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

Order ID : Q1761

Project ID : Stockton

Client : G Environmental

Lab Sample Number	Client Sample Number
Q1761-01	GST3

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: 4/15/2025

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 #: **Q1761**

	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: **PRATHA PARGHI** **Date:** **04/15/2025**

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LAB CHRONICLE

OrderID:	Q1761	**OrderDate:**	4/9/2025 2:47:00 PM
Client:	G Environmental	**Project:**	Stockton
Contact:	Gary Landis	**Location:**	L31,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1761-01	**GST3**	**SOIL**			**04/08/25**			**04/09/25**
			SVOC-PAH	8270E		04/10/25	04/11/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1761

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :								
				0.000				
			Total Svoc :			**0.00**		
			Total Concentration:			**0.00**		



QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: Q1761

Client: G Environmental

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB167544BL	PB167544BL	2-Fluorophenol	150	135	90		30 (18)	130 (112)
		Phenol-d6	150	132	88		30 (15)	130 (107)
		Nitrobenzene-d5	100	93.1	93		30 (18)	130 (107)
		2-Fluorobiphenyl	100	94.6	95		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	154	103		30 (10)	130 (116)
		Terphenyl-d14	100	121	121		30 (10)	130 (105)
PB167544BS	PB167544BS	2-Fluorophenol	150	133	88		30 (18)	130 (112)
		Phenol-d6	150	129	86		30 (15)	130 (107)
		Nitrobenzene-d5	100	88.9	89		30 (18)	130 (107)
		2-Fluorobiphenyl	100	90.9	91		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	142	95		30 (10)	130 (116)
		Terphenyl-d14	100	112	112		30 (10)	130 (105)
Q1761-01	GST3	2-Fluorophenol	150	121	80		30 (18)	130 (112)
		Phenol-d6	150	120	80		30 (15)	130 (107)
		Nitrobenzene-d5	100	83.3	83		30 (18)	130 (107)
		2-Fluorobiphenyl	100	83.9	84		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	133	89		30 (10)	130 (116)
		Terphenyl-d14	100	95.5	96		30 (10)	130 (105)
Q1761-01MS	GST3MS	2-Fluorophenol	150	112	75		30 (18)	130 (112)
		Phenol-d6	150	114	76		30 (15)	130 (107)
		Nitrobenzene-d5	100	72.6	73		30 (18)	130 (107)
		2-Fluorobiphenyl	100	72.7	73		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	122	82		30 (10)	130 (116)
		Terphenyl-d14	100	90.1	90		30 (10)	130 (105)
Q1761-01MSD	GST3MSD	2-Fluorophenol	150	112	75		30 (18)	130 (112)
		Phenol-d6	150	113	75		30 (15)	130 (107)
		Nitrobenzene-d5	100	74.0	74		30 (18)	130 (107)
		2-Fluorobiphenyl	100	73.9	74		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	119	79		30 (10)	130 (116)
		Terphenyl-d14	100	89.0	89		30 (10)	130 (105)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1761

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: Q1761-01MS		**Client Sample ID: GST3MS**						**DataFile: BM049897.D**			
Naphthalene	2100	0	2000	ug/Kg	95				70 (72)	130 (110)	
Acenaphthylene	2100	0	2300	ug/Kg	110				70 (79)	130 (118)	
Acenaphthene	2100	0	2100	ug/Kg	100				70 (70)	130 (121)	
Fluorene	2100	0	2100	ug/Kg	100				70 (68)	130 (116)	
Phenanthrene	2100	0	2200	ug/Kg	105				70 (52)	130 (128)	
Anthracene	2100	0	2300	ug/Kg	110				70 (62)	130 (124)	
Fluoranthene	2100	0	2100	ug/Kg	100				70 (44)	130 (125)	
Pyrene	2100	0	2400	ug/Kg	114				70 (26)	130 (142)	
Benzo(a)anthracene	2100	0	2300	ug/Kg	110				70 (71)	130 (114)	
Chrysene	2100	0	2100	ug/Kg	100				70 (57)	130 (121)	
Benzo(b)fluoranthene	2100	0	2100	ug/Kg	100				70 (67)	130 (121)	
Benzo(k)fluoranthene	2100	0	2200	ug/Kg	105				70 (57)	130 (134)	
Benzo(a)pyrene	2100	0	2300	ug/Kg	110				70 (70)	130 (142)	
Indeno(1,2,3-cd)pyrene	2100	0	2200	ug/Kg	105				70 (40)	130 (129)	
Dibenz(a,h)anthracene	2100	0	2200	ug/Kg	105				70 (43)	130 (123)	
Benzo(g,h,i)perylene	2100	0	2100	ug/Kg	100				70 (24)	130 (125)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1761

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: Q1761-01MSD		**Client Sample ID:** GST3MSD						**DataFile:** BM049898.D			
Naphthalene	2100	0	2000	ug/Kg	95	0			70 (72)	130 (110)	30 (20)
Acenaphthylene	2100	0	2300	ug/Kg	110	0			70 (79)	130 (118)	30 (20)
Acenaphthene	2100	0	2100	ug/Kg	100	0			70 (70)	130 (121)	30 (20)
Fluorene	2100	0	2100	ug/Kg	100	0			70 (68)	130 (116)	30 (20)
Phenanthrene	2100	0	2200	ug/Kg	105	0			70 (52)	130 (128)	30 (20)
Anthracene	2100	0	2200	ug/Kg	105	5			70 (62)	130 (124)	30 (20)
Fluoranthene	2100	0	2000	ug/Kg	95	5			70 (44)	130 (125)	30 (20)
Pyrene	2100	0	2400	ug/Kg	114	0			70 (26)	130 (142)	30 (20)
Benzo(a)anthracene	2100	0	2300	ug/Kg	110	0			70 (71)	130 (114)	30 (20)
Chrysene	2100	0	2200	ug/Kg	105	5			70 (57)	130 (121)	30 (20)
Benzo(b)fluoranthene	2100	0	2200	ug/Kg	105	5			70 (67)	130 (121)	30 (20)
Benzo(k)fluoranthene	2100	0	2200	ug/Kg	105	0			70 (57)	130 (134)	30 (20)
Benzo(a)pyrene	2100	0	2300	ug/Kg	110	0			70 (70)	130 (142)	30 (20)
Indeno(1,2,3-cd)pyrene	2100	0	2300	ug/Kg	110	5			70 (40)	130 (129)	30 (20)
Dibenz(a,h)anthracene	2100	0	2200	ug/Kg	105	0			70 (43)	130 (123)	30 (20)
Benzo(g,h,i)perylene	2100	0	2200	ug/Kg	105	5			70 (24)	130 (125)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1761

Client: G Environmental

Analytical Method: 8270E **DataFile:** BM049895.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167544BS	Naphthalene	1700	1500	ug/Kg	88				70 (62)	130 (100)	
	Acenaphthylene	1700	1700	ug/Kg	100				70 (63)	130 (101)	
	Acenaphthene	1700	1600	ug/Kg	94				70 (57)	130 (104)	
	Fluorene	1700	1600	ug/Kg	94				70 (61)	130 (101)	
	Phenanthrene	1700	1700	ug/Kg	100				70 (59)	130 (103)	
	Anthracene	1700	1700	ug/Kg	100				70 (61)	130 (105)	
	Fluoranthene	1700	1500	ug/Kg	88				70 (57)	130 (107)	
	Pyrene	1700	1800	ug/Kg	106				70 (59)	130 (103)	
	Benzo(a)anthracene	1700	1700	ug/Kg	100				70 (60)	130 (102)	
	Chrysene	1700	1600	ug/Kg	94				70 (59)	130 (101)	
	Benzo(b)fluoranthene	1700	1600	ug/Kg	94				70 (62)	130 (109)	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				70 (62)	130 (109)	
	Benzo(a)pyrene	1700	1800	ug/Kg	106				70 (63)	130 (103)	
	Indeno(1,2,3-cd)pyrene	1700	1700	ug/Kg	100				70 (63)	130 (101)	
	Dibenz(a,h)anthracene	1700	1700	ug/Kg	100				70 (61)	130 (112)	
	Benzo(g,h,i)perylene	1700	1600	ug/Kg	94				70 (70)	130 (108)	

( ) = LABORATORY INHOUSE LIMIT

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167544BL

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1761 SAS No.: Q1761 SDG NO.: Q1761

Lab File ID: BM049894.D Lab Sample ID: PB167544BL

Instrument ID: BNA_M Date Extracted: 04/10/2025

Matrix: (soil/water) SOIL Date Analyzed: 04/11/2025

Level: (low/med) LOW Time Analyzed: 10:17

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167544BS	PB167544BS	BM049895.D	04/11/2025
GST3	Q1761-01	BM049896.D	04/11/2025
GST3MS	Q1761-01MS	BM049897.D	04/11/2025
GST3MSD	Q1761-01MSD	BM049898.D	04/11/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM SAS No.: Q1761 SDG NO.: Q1761

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

Instrument ID: BNA_M DFTPP Injection Time: 12:55

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	22.1
68	Less than 2.0% of mass 69	0.3 (1.2) 1
69	Mass 69 relative abundance	26.5
70	Less than 2.0% of mass 69	0.1 (0.3) 1
127	10.0 - 80.0% of mass 198	34.9
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7
275	10.0 - 60.0% of mass 198	26.5
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	12.4
442	Greater than 50% of mass 198	81.2
443	15.0 - 24.0% of mass 442	15.3 (18.8) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BM049848.D	04/08/2025	13:35
SSTDICC005	SSTDICC005	BM049849.D	04/08/2025	14:14
SSTDICC010	SSTDICC010	BM049850.D	04/08/2025	14:53
SSTDICC020	SSTDICC020	BM049851.D	04/08/2025	15:32
SSTDICCC040	SSTDICCC040	BM049852.D	04/08/2025	16:12
SSTDICC050	SSTDICC050	BM049853.D	04/08/2025	17:30
SSTDICC060	SSTDICC060	BM049854.D	04/08/2025	19:28
SSTDICC080	SSTDICC080	BM049855.D	04/08/2025	20:07

Raw Data: **BM049892.D**

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM SAS No.: Q1761 SDG NO.: Q1761

Lab File ID: BM049892.D DFTPP Injection Date: 04/11/2025

Instrument ID: BNA_M DFTPP Injection Time: 08:58

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	18.1
68	Less than 2.0% of mass 69	0.3 (1.4) 1
69	Mass 69 relative abundance	22.3
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	30.3
197	Less than 2.0% of mass 198	0.3
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	27.4
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	12.3
442	Greater than 50% of mass 198	80.9
443	15.0 - 24.0% of mass 442	16 (19.8) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BM049893.D	04/11/2025	09:37
PB167544BL	PB167544BL	BM049894.D	04/11/2025	10:17
PB167544BS	PB167544BS	BM049895.D	04/11/2025	10:56
GST3	Q1761-01	BM049896.D	04/11/2025	11:41
GST3MS	Q1761-01MS	BM049897.D	04/11/2025	12:20
GST3MSD	Q1761-01MSD	BM049898.D	04/11/2025	12:59

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1761 SAS No.: Q1761 SDG NO.: Q1761

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/11/2025

Lab File ID: BM049893.D Time Analyzed: 09:37

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	441251	7.775	1506250	10.58	949286	14.42
	UPPER LIMIT	882502	8.275	3012500	11.075	1898570	14.922
	LOWER LIMIT	220626	7.275	753125	10.075	474643	13.922
	EPA SAMPLE NO.						
01	PB167544BL	486554	7.78	1686210	10.57	1083670	14.42
02	PB167544BS	408732	7.78	1404610	10.57	877536	14.42
03	GST3	361301	7.78	1222540	10.57	753026	14.42
04	GST3MS	398038	7.78	1400230	10.57	921596	14.42
05	GST3MSD	400986	7.78	1382300	10.57	886995	14.42

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1761 SAS No.: Q1761 SDG NO.: Q1761

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/11/2025

Lab File ID: BM049893.D Time Analyzed: 09:37

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	1809670	17.163	1670660	21.403	1828450	24.403
	UPPER LIMIT	3619340	17.663	3341320	21.903	3656900	24.903
	LOWER LIMIT	904835	16.663	835330	20.903	914225	23.903
	EPA SAMPLE NO.						
01	PB167544BL	2084350	17.16	1600250	21.40	1555140	24.40
02	PB167544BS	1626500	17.16	1335580	21.40	1358360	24.40
03	GST3	1392090	17.16	1231620	21.40	1380930	24.39
04	GST3MS	1779580	17.16	1521020	21.40	1498760	24.39
05	GST3MSD	1654150	17.16	1374180	21.40	1418230	24.40

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

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

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



SAMPLE DATA

Raw Data: **BM049896.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	G Environmental			Date Collected:	04/08/25
Project:	Stockton			Date Received:	04/09/25
Client Sample ID:	GST3			SDG No.:	Q1761
Lab Sample ID:	Q1761-01			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	78.6
Sample Wt/Vol:	30.05	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-PAH
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
BM049896.D	1	04/10/25 08:55	04/11/25 11:41	PB167544

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	28.8	U	28.8	220	ug/Kg
208-96-8	Acenaphthylene	36.7	U	36.7	220	ug/Kg
83-32-9	Acenaphthene	27.1	U	27.1	220	ug/Kg
86-73-7	Fluorene	32.1	U	32.1	220	ug/Kg
85-01-8	Phenanthrene	26.5	U	26.5	220	ug/Kg
120-12-7	Anthracene	42.3	U	42.3	220	ug/Kg
206-44-0	Fluoranthene	38.1	U	38.1	220	ug/Kg
129-00-0	Pyrene	45.7	U	45.7	220	ug/Kg
56-55-3	Benzo(a)anthracene	29.2	U	29.2	220	ug/Kg
218-01-9	Chrysene	25.3	U	25.3	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	24.1	U	24.1	220	ug/Kg
207-08-9	Benzo(k)fluoranthene	28.5	U	28.5	220	ug/Kg
50-32-8	Benzo(a)pyrene	37.5	U	37.5	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	37.0	U	37.0	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	34.8	U	34.8	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	32.6	U	32.6	220	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	121		30 (18) - 130 (112)	80%	SPK: 150
13127-88-3	Phenol-d6	120		30 (15) - 130 (107)	80%	SPK: 150
4165-60-0	Nitrobenzene-d5	83.3		30 (18) - 130 (107)	83%	SPK: 100
321-60-8	2-Fluorobiphenyl	83.9		30 (20) - 130 (109)	84%	SPK: 100
118-79-6	2,4,6-Tribromophenol	133		30 (10) - 130 (116)	89%	SPK: 150
1718-51-0	Terphenyl-d14	95.5		30 (10) - 130 (105)	96%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	361000	7.775			
1146-65-2	Naphthalene-d8	1220000	10.569			
15067-26-2	Acenaphthene-d10	753000	14.416			
1517-22-2	Phenanthrene-d10	1390000	17.163			
1719-03-5	Chrysene-d12	1230000	21.398			

Raw Data: **BM049896.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:	04/08/25
Project:	Stockton			Date Received:	04/09/25
Client Sample ID:	GST3			SDG No.:	Q1761
Lab Sample ID:	Q1761-01			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	78.6
Sample Wt/Vol:	30.05	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-PAH
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
BM049896.D	1	04/10/25 08:55	04/11/25 11:41	PB167544

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1520-96-3	Perylene-d12	1380000	24.391			

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041125\
Data File : BM049896.D
Acq On : 11 Apr 2025 11:41
Operator : RC/JU
Sample : Q1761-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GST3

Quant Time: Apr 11 12:44:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

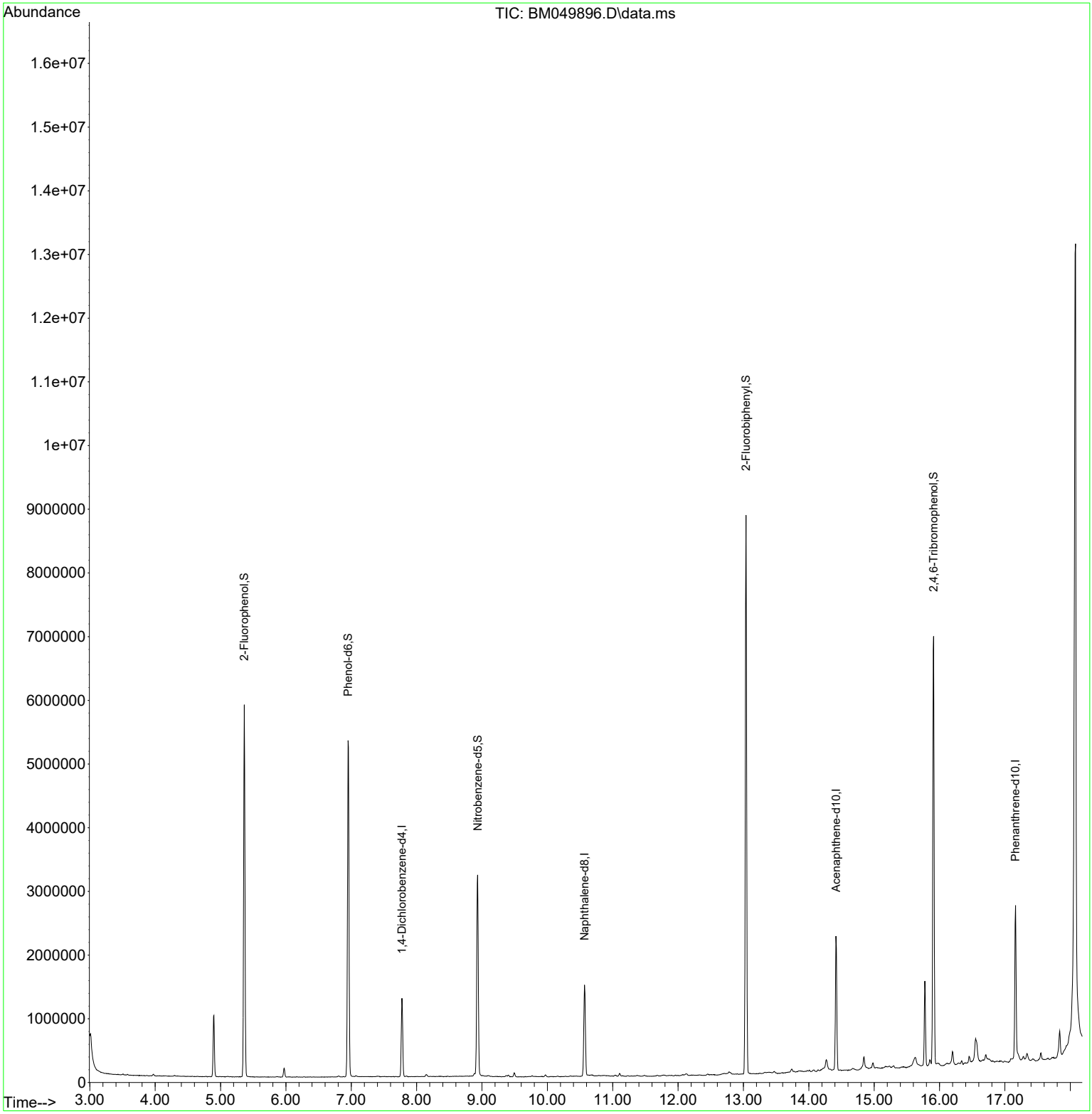
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	361301	20.000	ng	0.00
21) Naphthalene-d8	10.569	136	1222544	20.000	ng	0.00
39) Acenaphthene-d10	14.416	164	753026	20.000	ng	0.00
64) Phenanthrene-d10	17.163	188	1392087	20.000	ng	0.00
76) Chrysene-d12	21.398	240	1231616	20.000	ng	0.00
86) Perylene-d12	24.391	264	1380929	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	2564472	120.527	ng	0.00
7) Phenol-d6	6.951	99	3187163	120.395	ng	0.00
23) Nitrobenzene-d5	8.934	82	1827974	83.262	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	1455551	132.890	ng	0.00
45) 2-Fluorobiphenyl	13.039	172	4657836	83.876	ng	0.00
79) Terphenyl-d14	19.786	244	6278461	95.534	ng	0.00
Target Compounds						Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041125\
Data File : BM049896.D
Acq On : 11 Apr 2025 11:41
Operator : RC/JU
Sample : Q1761-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GST3

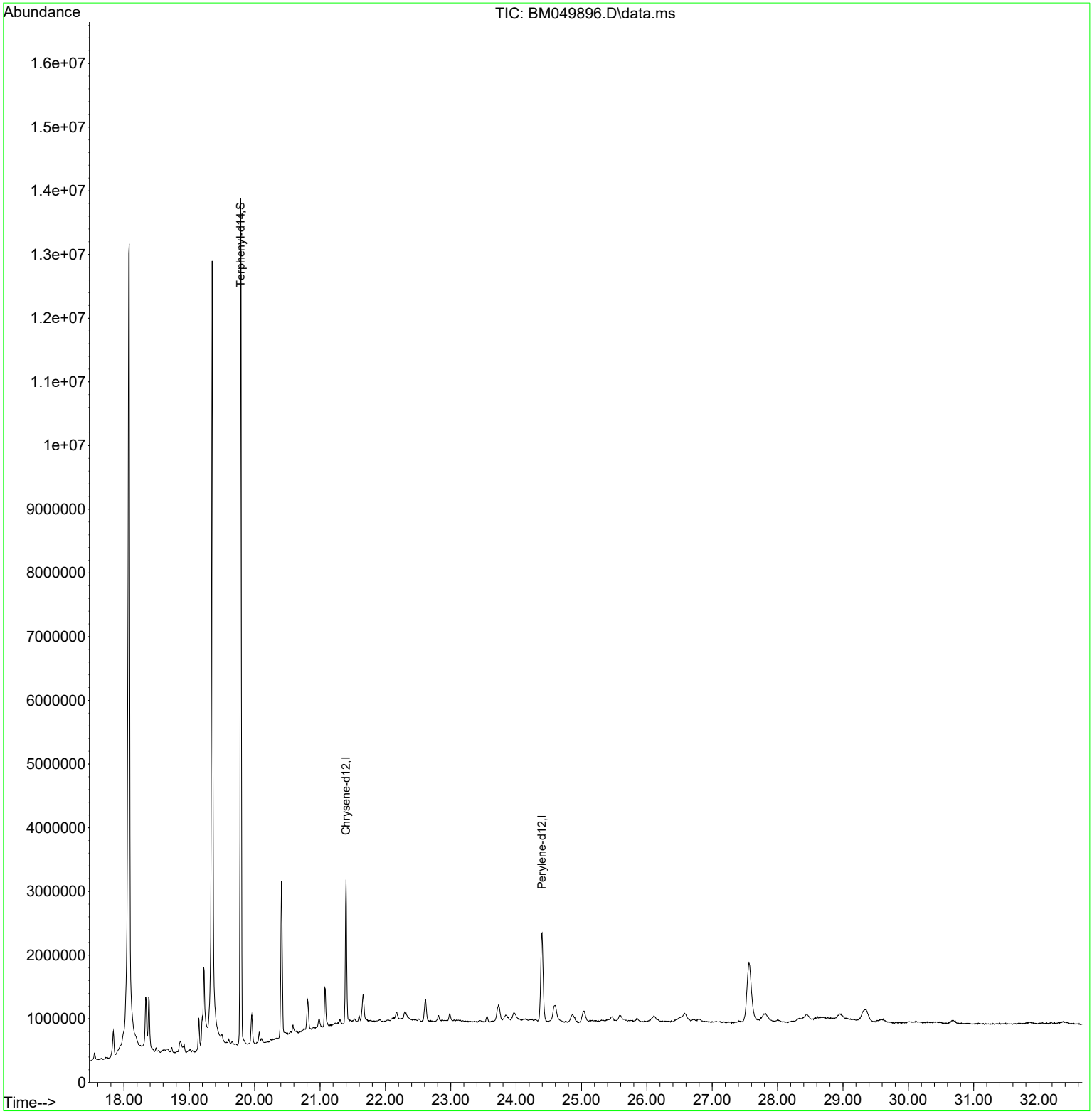
Quant Time: Apr 11 12:44:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

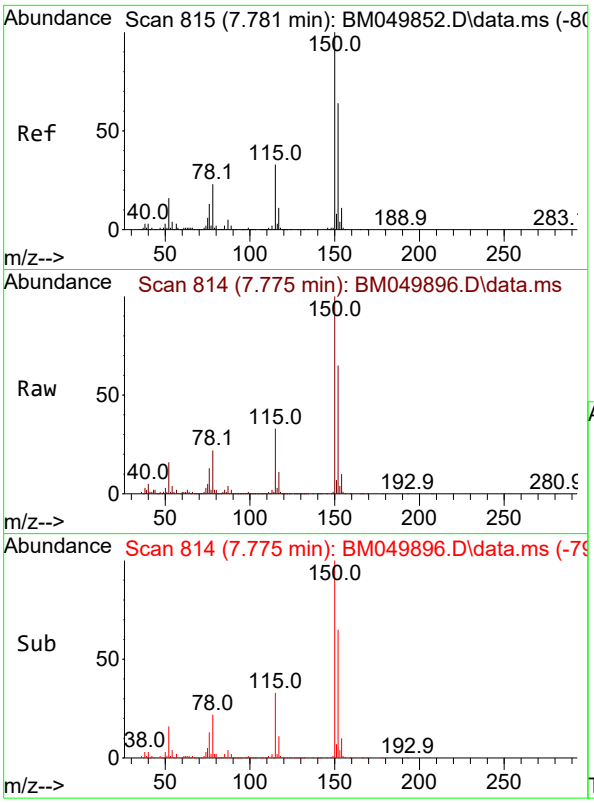


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Data File : BM049896.D
Acq On : 11 Apr 2025 11:41
Operator : RC/JU
Sample : Q1761-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GST3

Quant Time: Apr 11 12:44:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration



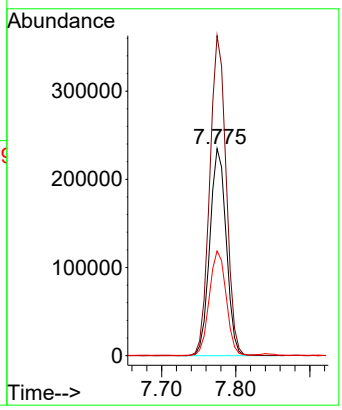


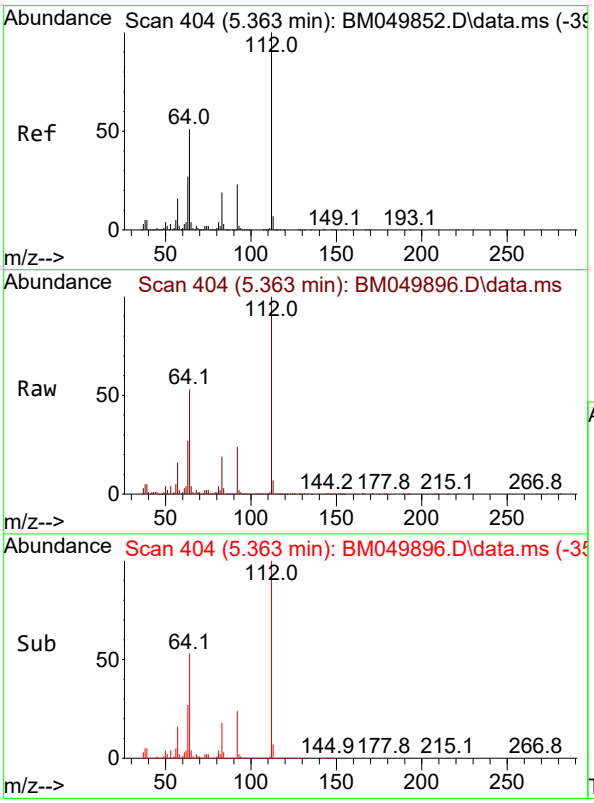
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.775 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM049896.D
Acq: 11 Apr 2025 11:41

Instrument :
BNA_M
ClientSampleId :
GST3

Tgt Ion:152 Resp: 361301

Ion	Ratio	Lower	Upper
152	100		
150	154.6	124.3	186.5
115	50.6	41.1	61.7

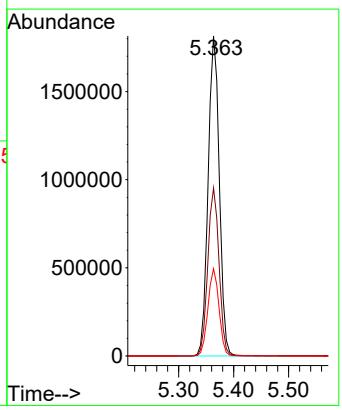


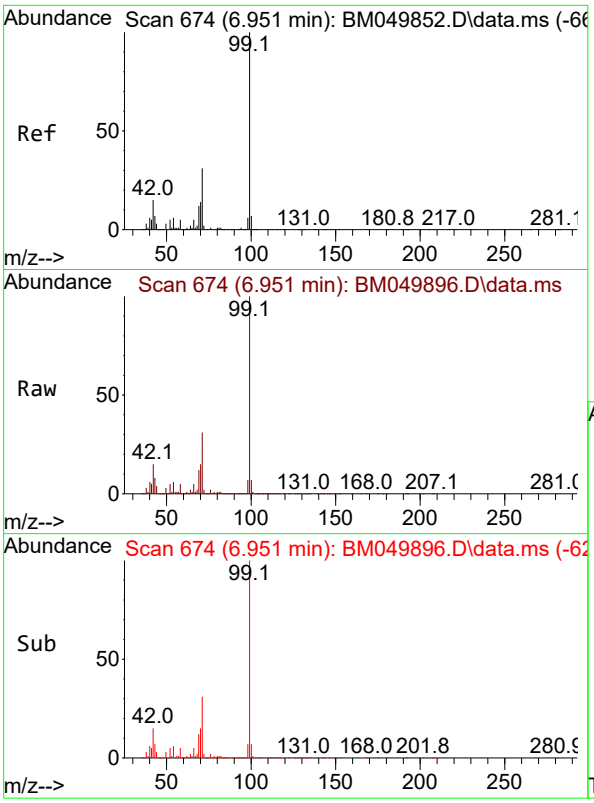


#5
2-Fluorophenol
Concen: 120.527 ng
RT: 5.363 min Scan# 404
Delta R.T. 0.000 min
Lab File: BM049896.D
Acq: 11 Apr 2025 11:41

Tgt Ion:112 Resp: 2564472

Ion	Ratio	Lower	Upper
112	100		
64	52.5	41.0	61.6
63	27.3	21.5	32.3



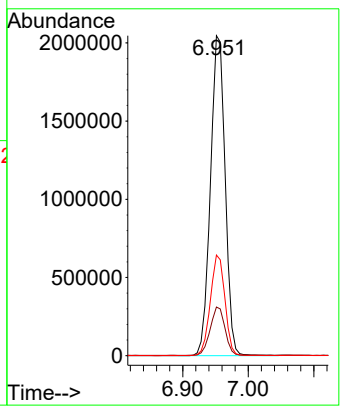


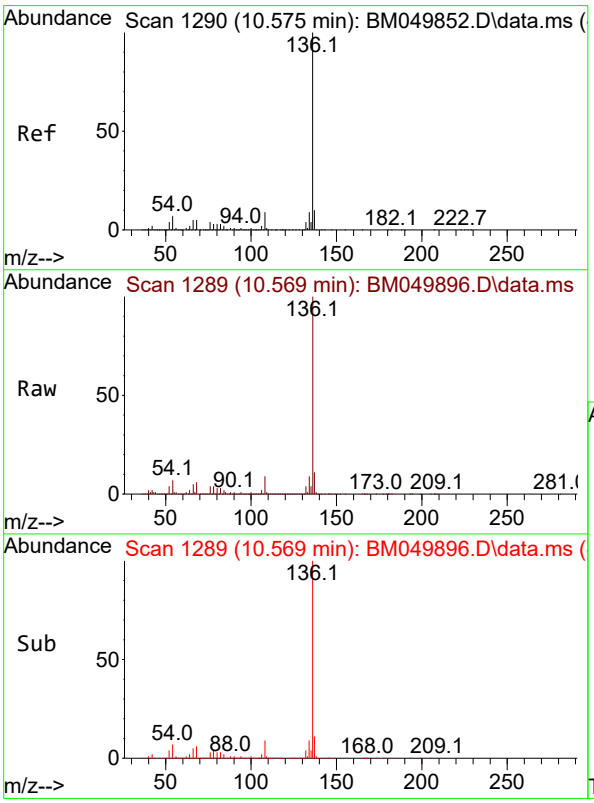
#7
Phenol-d6
Concen: 120.395 ng
RT: 6.951 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM049896.D
Acq: 11 Apr 2025 11:41

Instrument :
BNA_M
ClientSampleId :
GST3

Tgt Ion: 99 Resp: 3187163

Ion	Ratio	Lower	Upper
99	100		
42	15.2	12.1	18.1
71	31.4	24.9	37.3

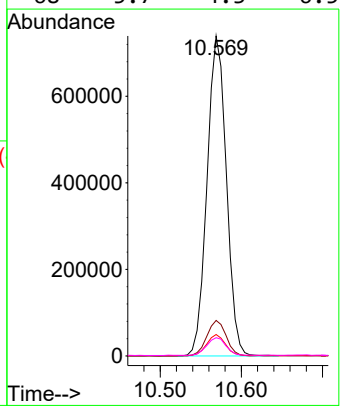


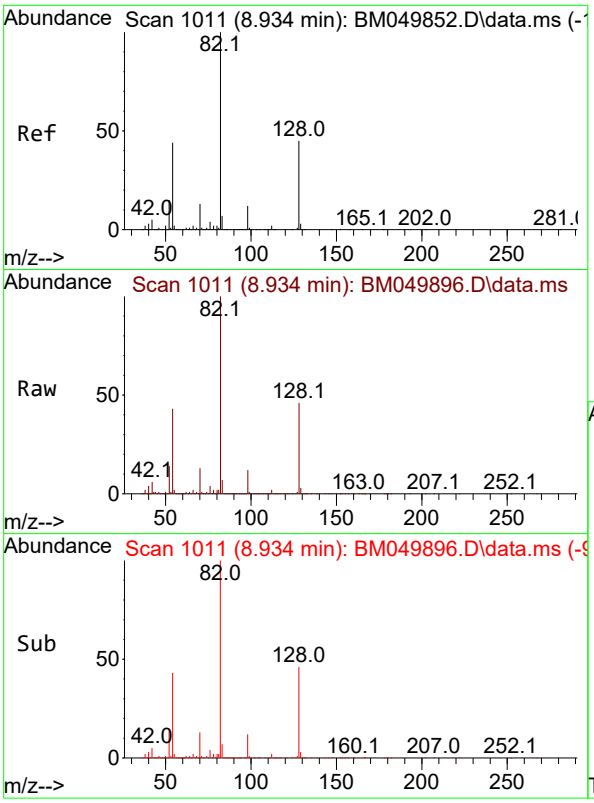


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.569 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BM049896.D
Acq: 11 Apr 2025 11:41

Tgt Ion:136 Resp: 1222544

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.4	12.6
54	6.7	5.3	7.9
68	5.7	4.3	6.5



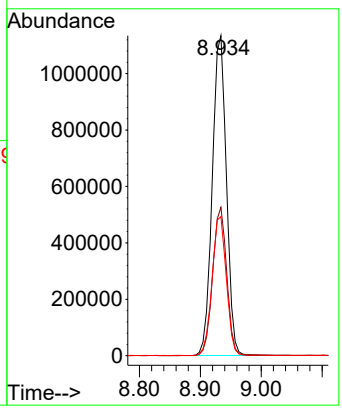


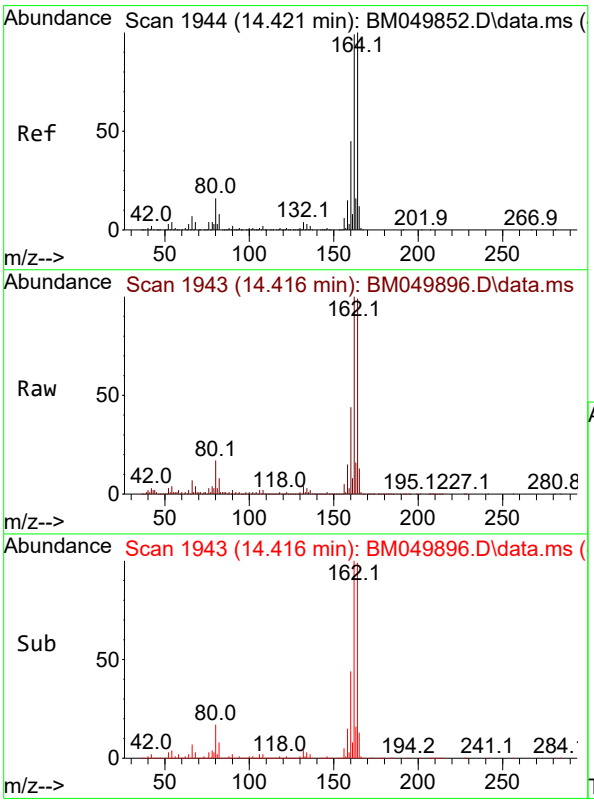
#23
Nitrobenzene-d5
Concen: 83.262 ng
RT: 8.934 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM049896.D
Acq: 11 Apr 2025 11:41

Instrument :
BNA_M
ClientSampleId :
GST3

Tgt Ion: 82 Resp: 1827974

Ion	Ratio	Lower	Upper
82	100		
128	46.4	36.2	54.2
54	43.5	35.0	52.6

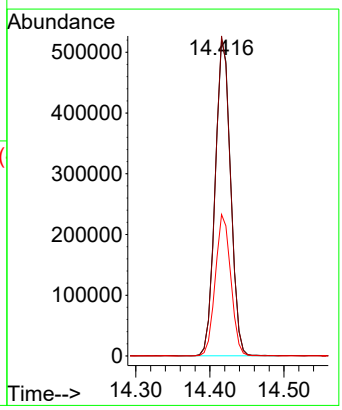


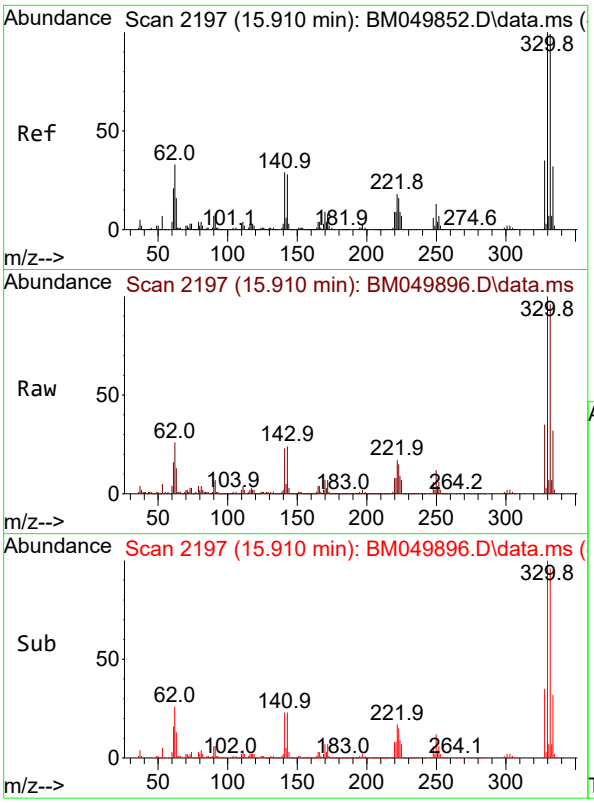


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.416 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BM049896.D
Acq: 11 Apr 2025 11:41

Tgt Ion:164 Resp: 753026

Ion	Ratio	Lower	Upper
164	100		
162	101.1	79.4	119.0
160	44.7	36.2	54.2



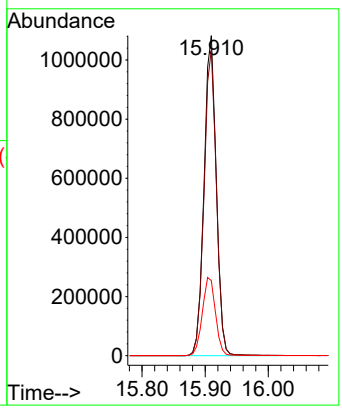


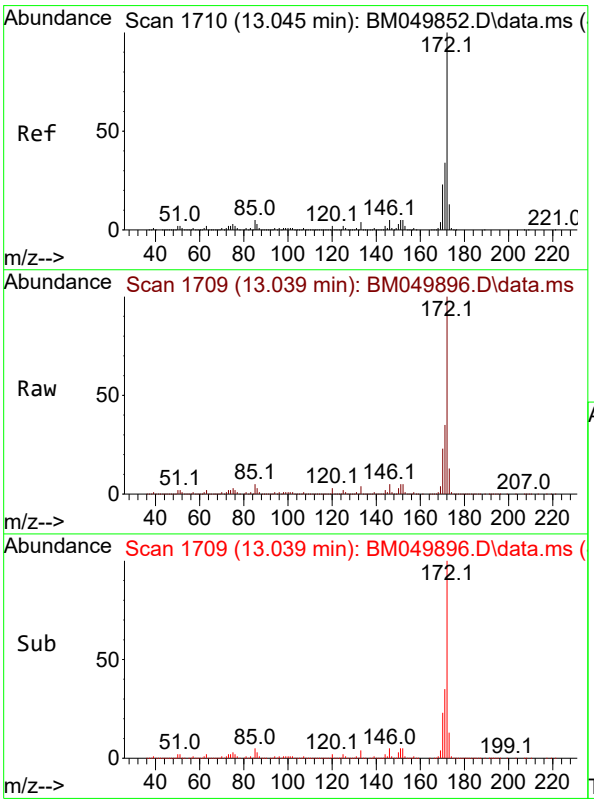
#42
2,4,6-Tribromophenol
Concen: 132.890 ng
RT: 15.910 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049896.D
Acq: 11 Apr 2025 11:41

Instrument :
BNA_M
ClientSampleId :
GST3

Tgt Ion:330 Resp: 1455551

Ion	Ratio	Lower	Upper
330	100		
332	96.2	78.0	117.0
141	26.1	23.5	35.3

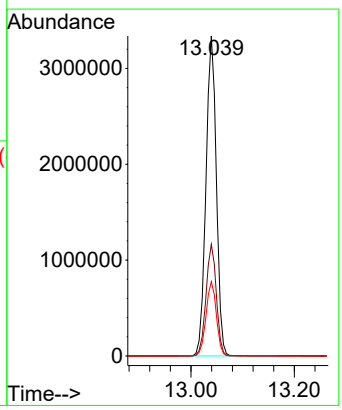


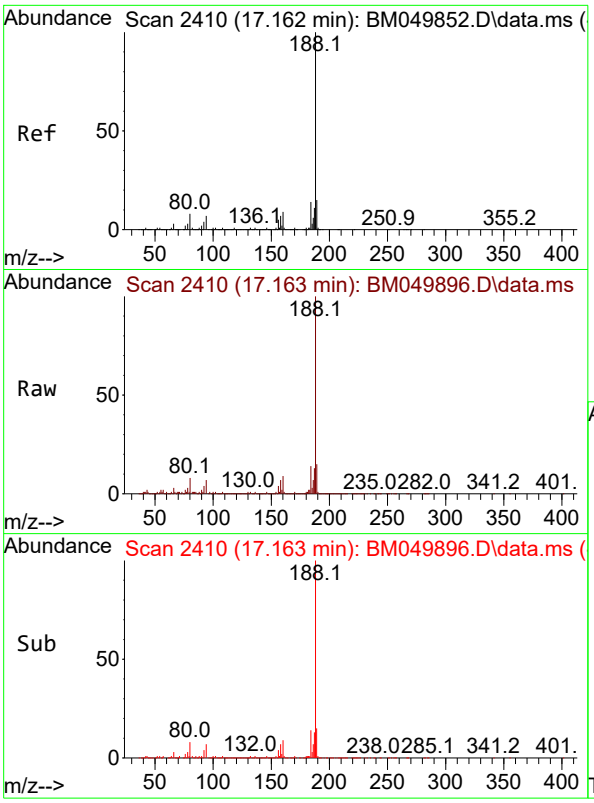


#45
2-Fluorobiphenyl
Concen: 83.876 ng
RT: 13.039 min Scan# 1709
Delta R.T. -0.006 min
Lab File: BM049896.D
Acq: 11 Apr 2025 11:41

Tgt Ion:172 Resp: 4657836

Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.4	41.2
170	23.3	18.6	28.0



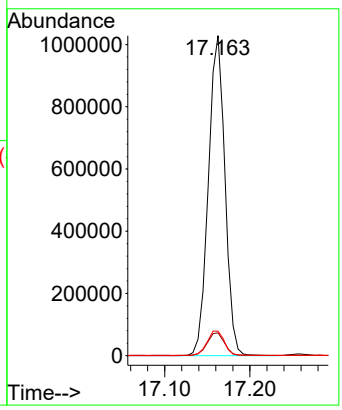


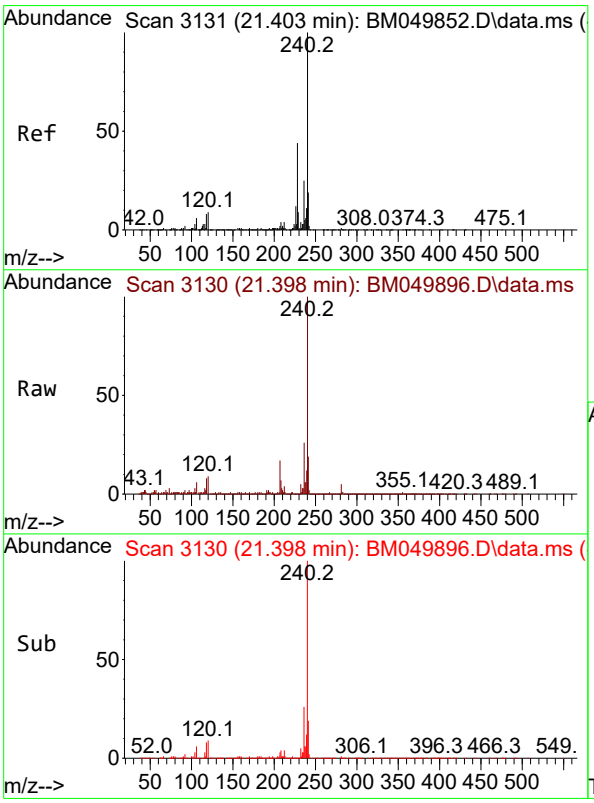
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.163 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM049896.D
Acq: 11 Apr 2025 11:41

Instrument :
BNA_M
ClientSampleId :
GST3

Tgt Ion:188 Resp: 1392087

Ion	Ratio	Lower	Upper
188	100		
94	7.1	5.8	8.6
80	7.7	6.4	9.6

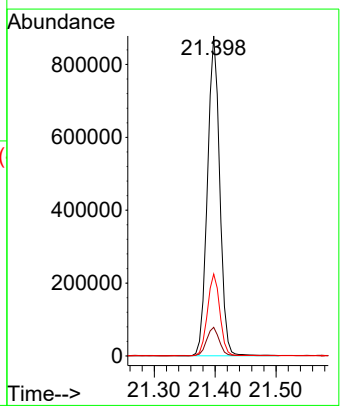


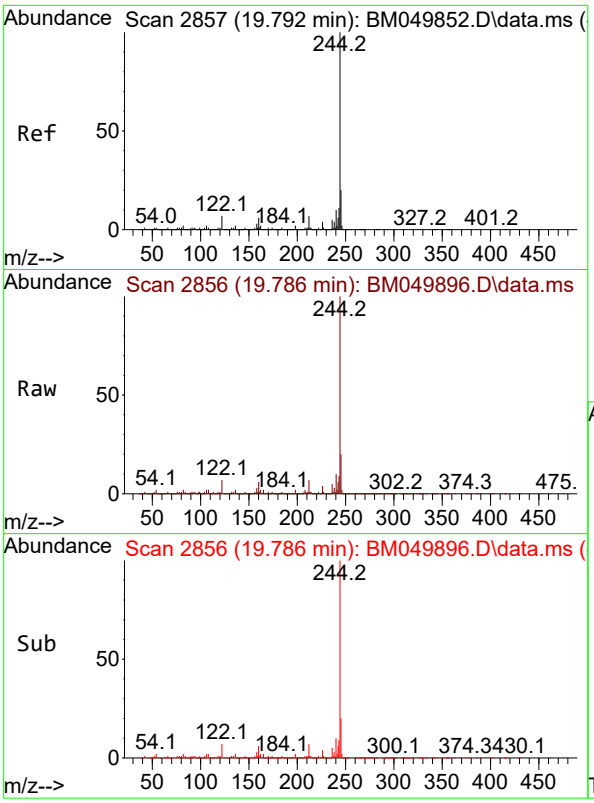


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.398 min Scan# 3130
Delta R.T. -0.006 min
Lab File: BM049896.D
Acq: 11 Apr 2025 11:41

Tgt Ion:240 Resp: 1231616

Ion	Ratio	Lower	Upper
240	100		
120	9.0	6.9	10.3
236	25.6	20.4	30.6



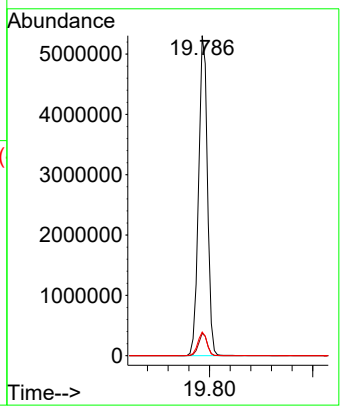


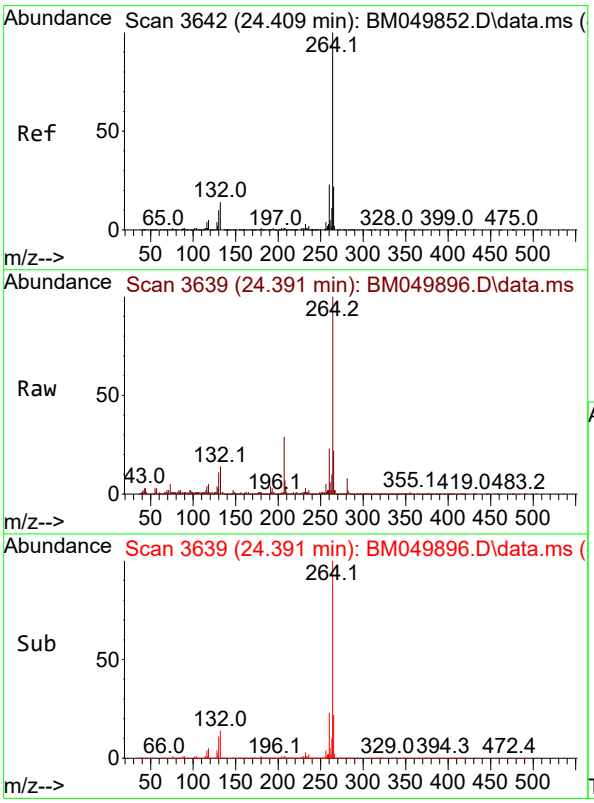
#79
Terphenyl-d14
Concen: 95.534 ng
RT: 19.786 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM049896.D
Acq: 11 Apr 2025 11:41

Instrument :
BNA_M
ClientSampleId :
GST3

Tgt Ion:244 Resp: 6278461

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.5	8.3
122	7.4	5.4	8.0

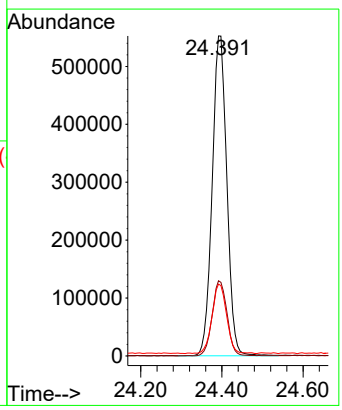




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.391 min Scan# 3639
Delta R.T. -0.018 min
Lab File: BM049896.D
Acq: 11 Apr 2025 11:41

Tgt Ion:264 Resp: 1380929

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	28.0
265	22.4	17.8	26.8



CALIBRATION SUMMARY

Raw Data

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1761 SAS No.: Q1761 SDG No.: Q1761

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

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

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

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.145	1.144	1.213	1.191	1.165	1.178	2.4
Phenol-d6		1.391	1.392	1.523	1.491	1.433	1.465	4.2
Nitrobenzene-d5		0.335	0.344	0.366	0.368	0.361	0.359	4.0
Naphthalene		1.004	0.990	1.045	1.042	1.019	1.028	2.3
2-Fluorobiphenyl		1.425	1.414	1.499	1.515	1.486	1.475	2.7
Acenaphthylene		1.627	1.613	1.718	1.742	1.711	1.702	3.5
Acenaphthene		1.027	1.023	1.089	1.113	1.089	1.083	3.8
Fluorene		1.354	1.335	1.450	1.481	1.456	1.439	4.7
2,4,6-Tribromophenol		0.258	0.255	0.280	0.294	0.298	0.291	9.9
Phenanthrene		1.031	1.030	1.095	1.133	1.104	1.096	4.4
Anthracene		0.997	1.004	1.074	1.125	1.099	1.081	5.4
Fluoranthene		1.187	1.206	1.310	1.387	1.395	1.348	8.8
Pyrene		1.310	1.280	1.395	1.408	1.393	1.378	4.3
Terphenyl-d14		0.988	1.004	1.139	1.187	1.142	1.067	7.9
Benzo(a)anthracene		1.237	1.226	1.335	1.362	1.345	1.329	5.4
Chrysene		1.179	1.173	1.261	1.292	1.277	1.264	5.2
Benzo(b)fluoranthene		1.141	1.157	1.223	1.308	1.313	1.277	8.4
Benzo(k)fluoranthene		1.132	1.122	1.209	1.242	1.263	1.238	7.5
Benzo(a)pyrene		1.011	1.026	1.096	1.130	1.154	1.122	7.5
Indeno(1,2,3-cd)pyrene		1.375	1.368	1.480	1.507	1.523	1.491	6.2
Dibenzo(a,h)anthracene		1.128	1.128	1.205	1.244	1.258	1.228	6.4
Benzo(g,h,i)perylene		1.178	1.179	1.255	1.265	1.269	1.255	4.7

All other compounds must meet a minimum RRF of 0.010.

Response Factor Report BNA_M

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

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

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

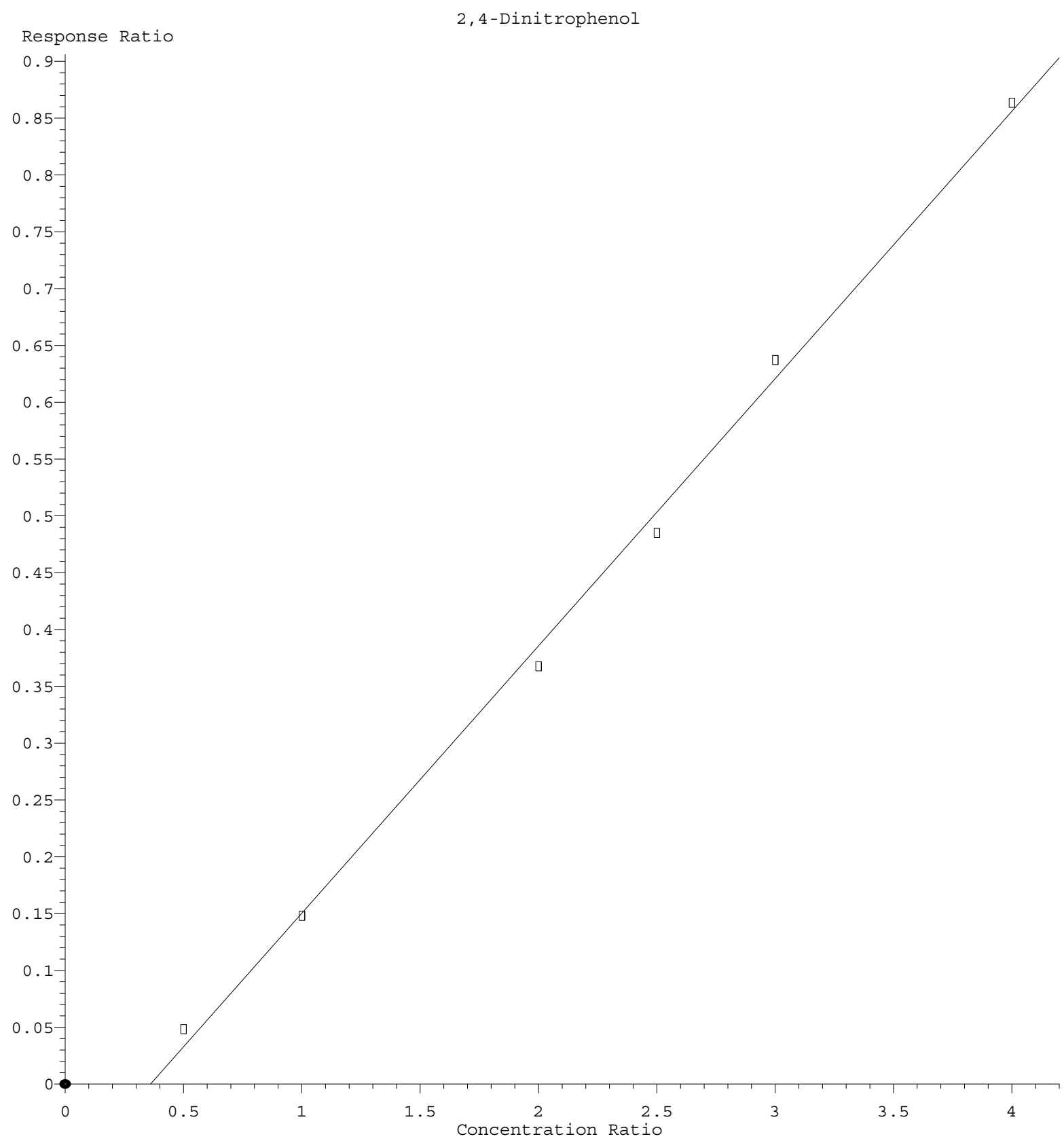
Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM040825.M

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

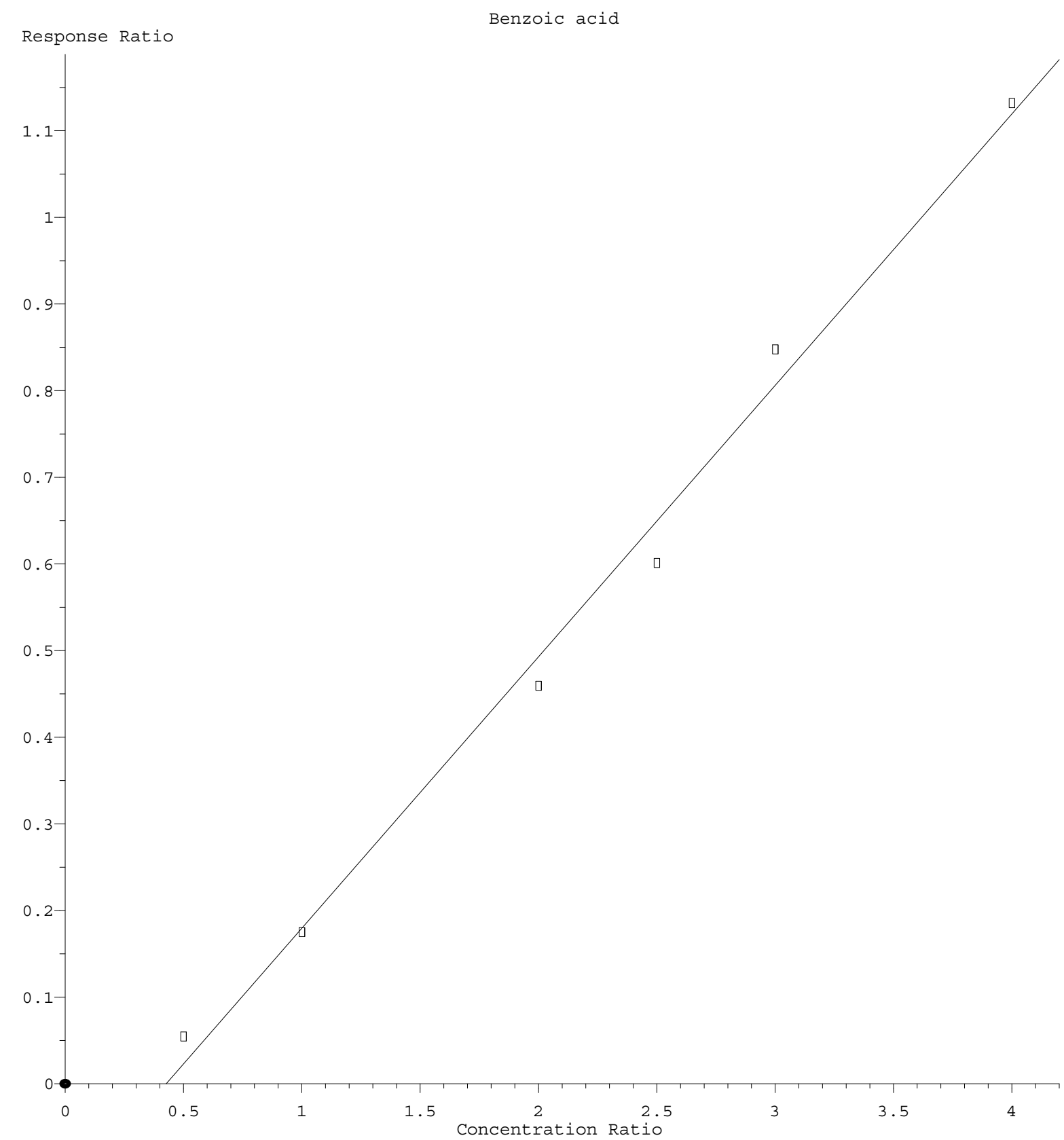
Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM040825.M

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

(#) = Out of Range



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



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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.781	152	320498	20.000	ng	0.00
21) Naphthalene-d8	10.574	136	1104487	20.000	ng	0.00
39) Acenaphthene-d10	14.421	164	681841	20.000	ng	0.00
64) Phenanthrene-d10	17.162	188	1325316	20.000	ng	0.00
76) Chrysene-d12	21.403	240	1306777	20.000	ng	0.00
86) Perylene-d12	24.409	264	1436109	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	8.580	70	30460	2.342	ng	98

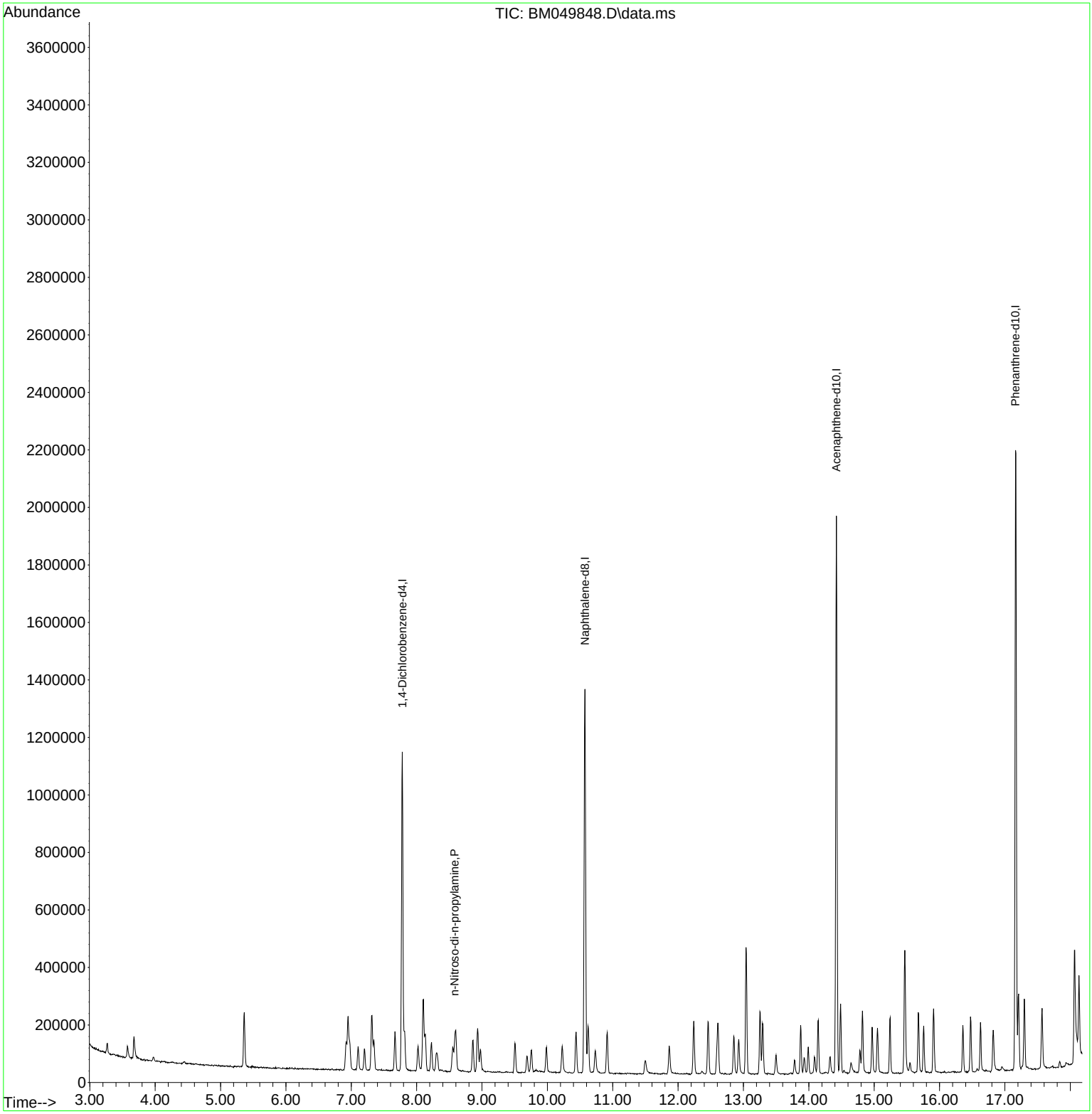
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

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

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

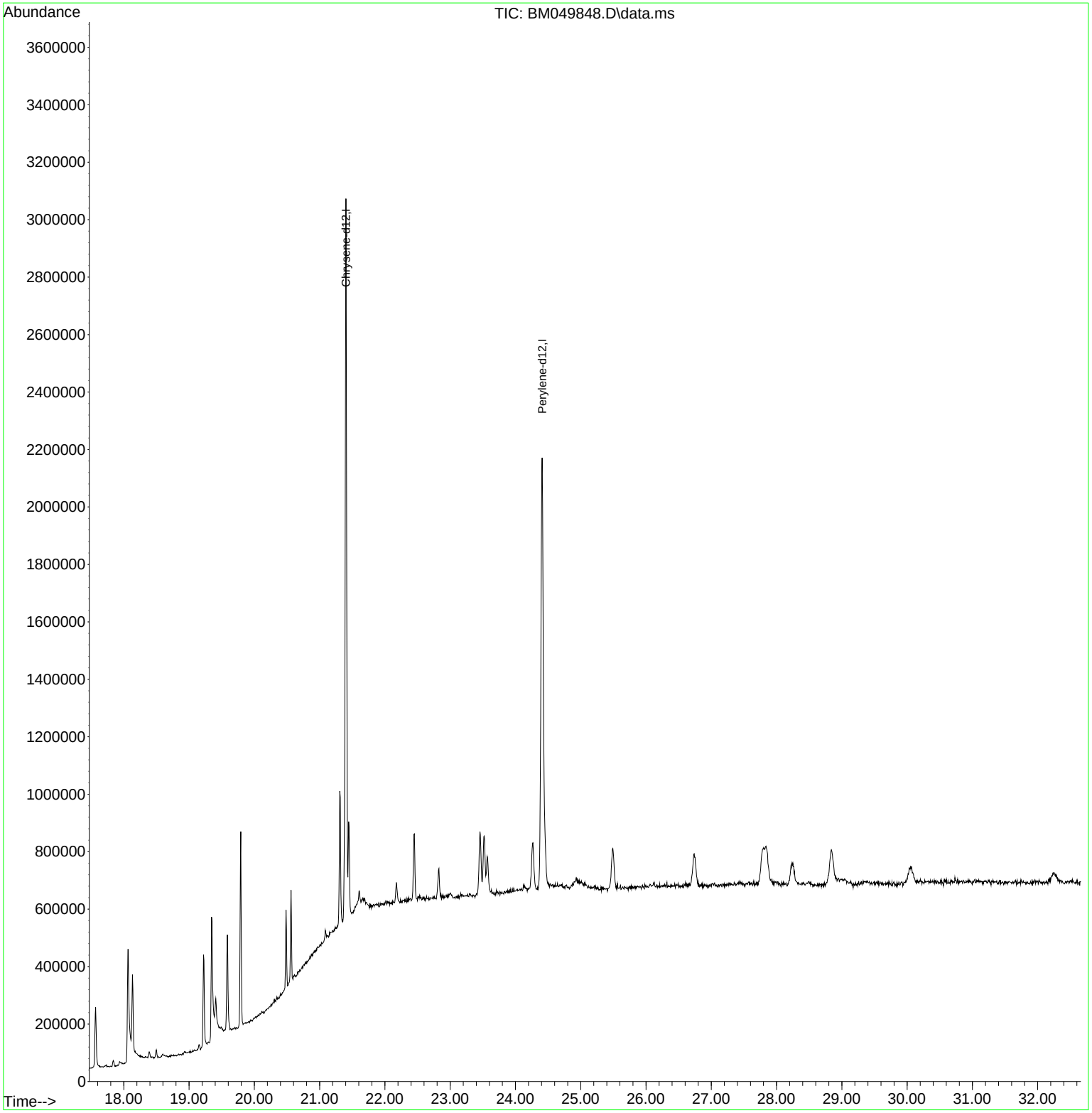
Quant Time: Apr 09 02:59:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

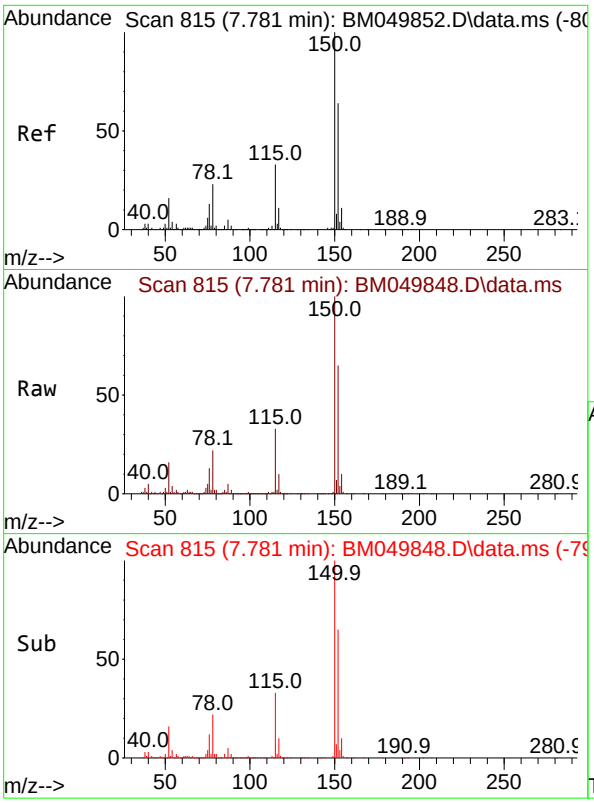


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049848.D
Acq On : 08 Apr 2025 13:35
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

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



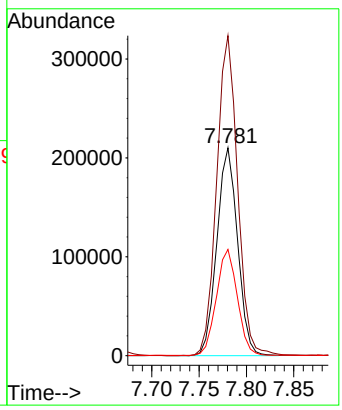


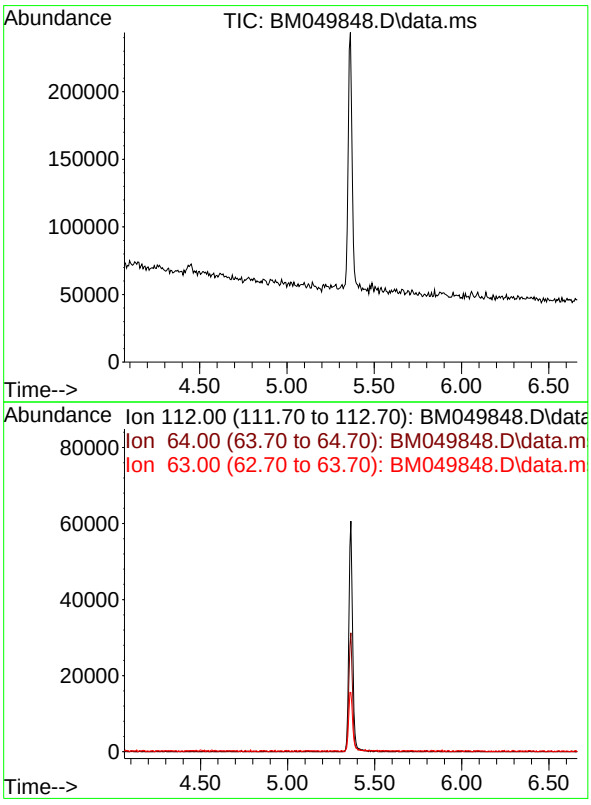
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.781 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM049848.D
Acq: 08 Apr 2025 13:35

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 320498

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



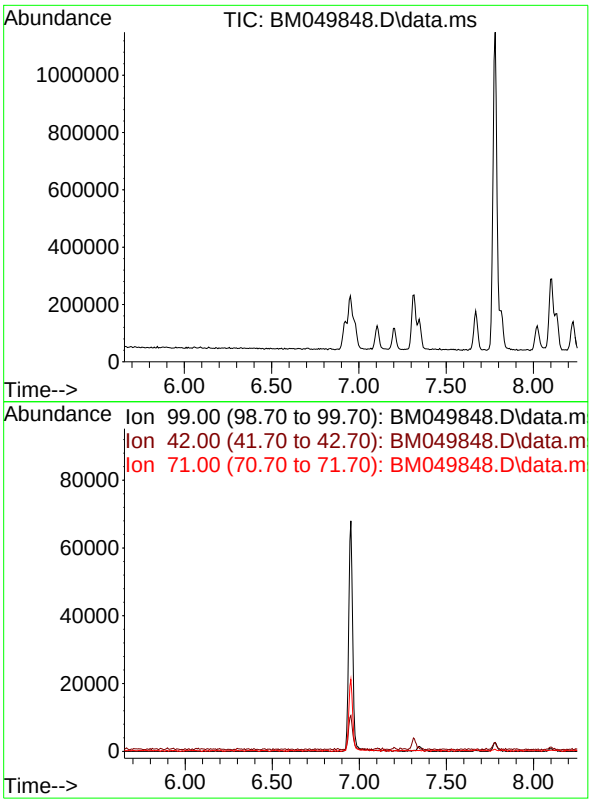


#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.36 min

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

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	51.3
63	26.9



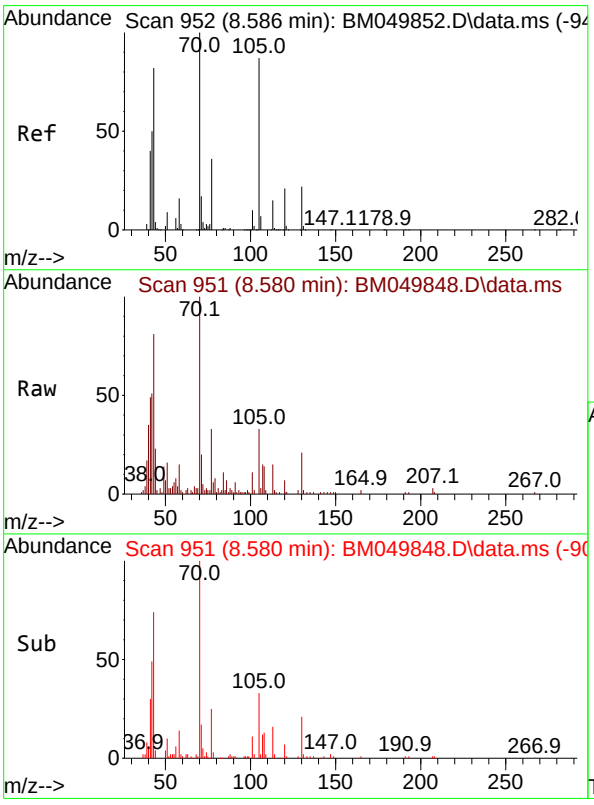
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.95 min

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

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

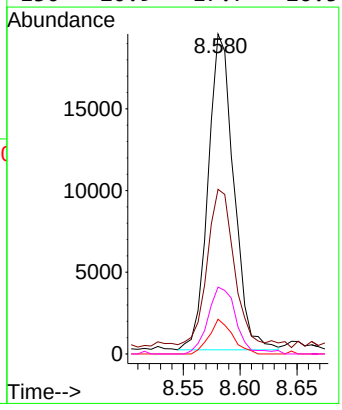
Sig	Exp Ratio
99	100
42	15.1
71	31.1

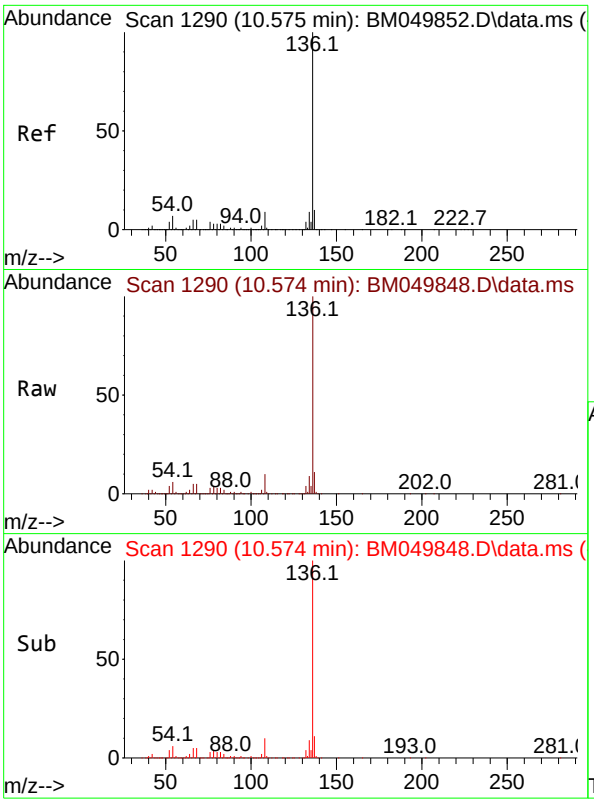


#19
n-Nitroso-di-n-propylamine
Concen: 2.342 ng
RT: 8.580 min Scan# 951
Delta R.T. -0.006 min
Lab File: BM049848.D
Acq: 08 Apr 2025 13:35

Tgt Ion: 70 Resp: 30460

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



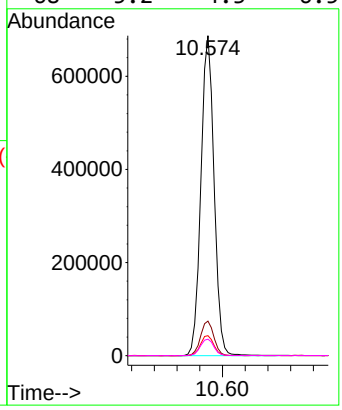


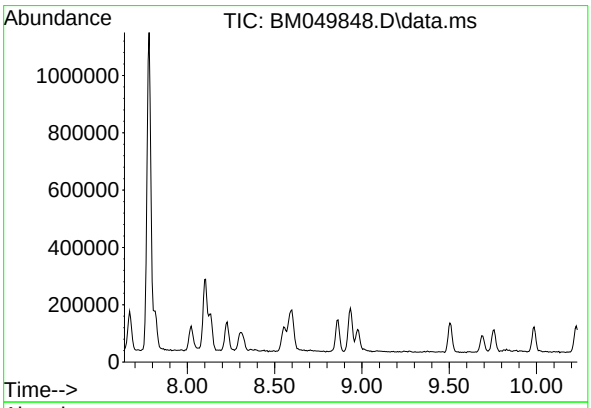
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049848.D
Acq: 08 Apr 2025 13:35

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 1104487

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



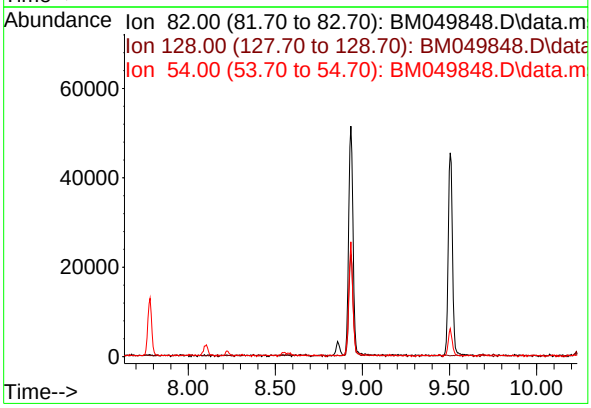


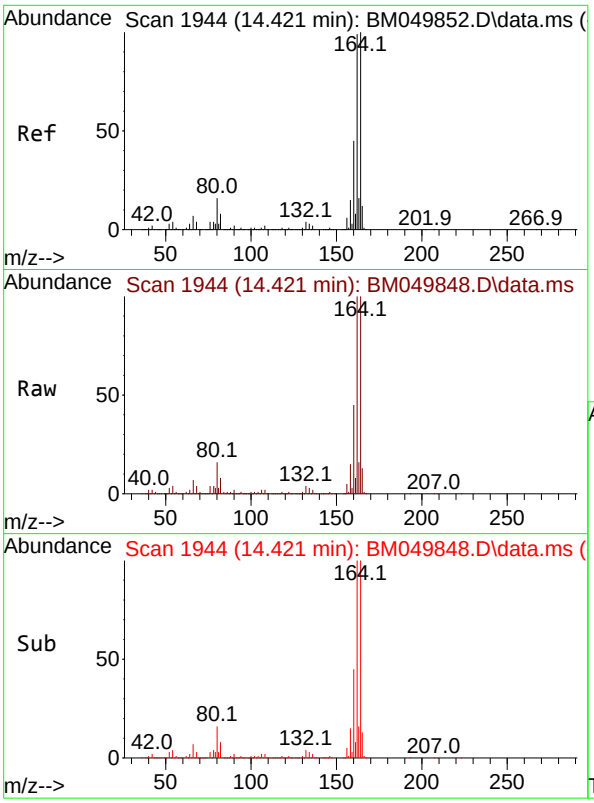
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 8.93 min

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

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	45.2
54	43.8



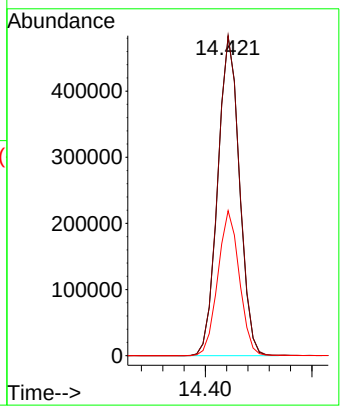


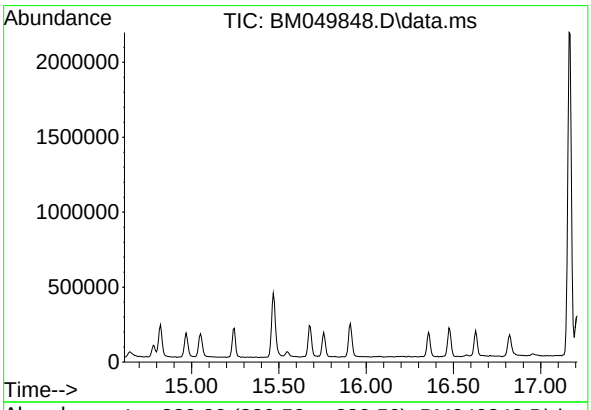
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.421 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049848.D
Acq: 08 Apr 2025 13:35

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 681841

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



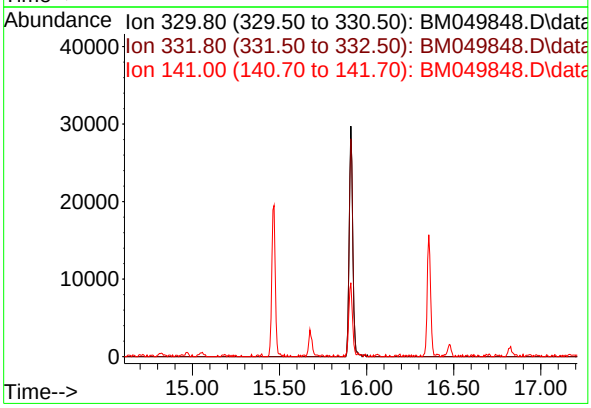


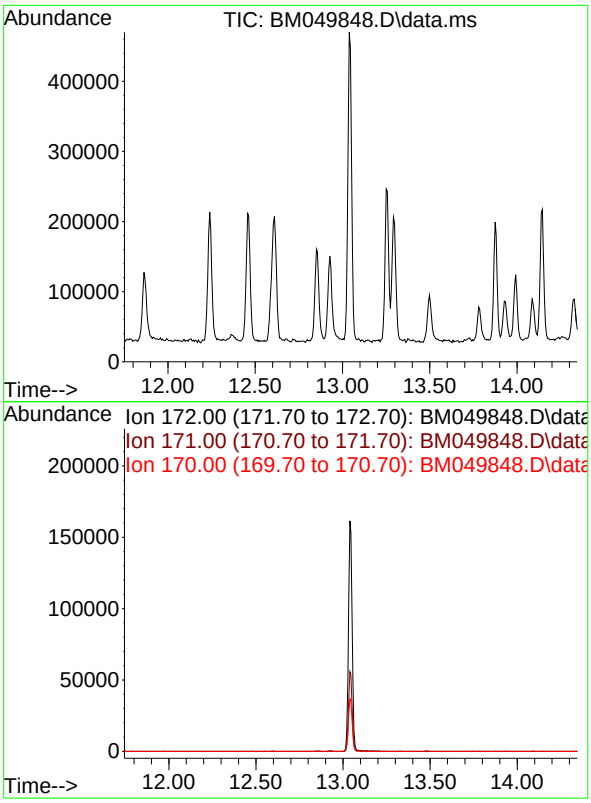
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.91 min

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

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	97.5
141	29.4





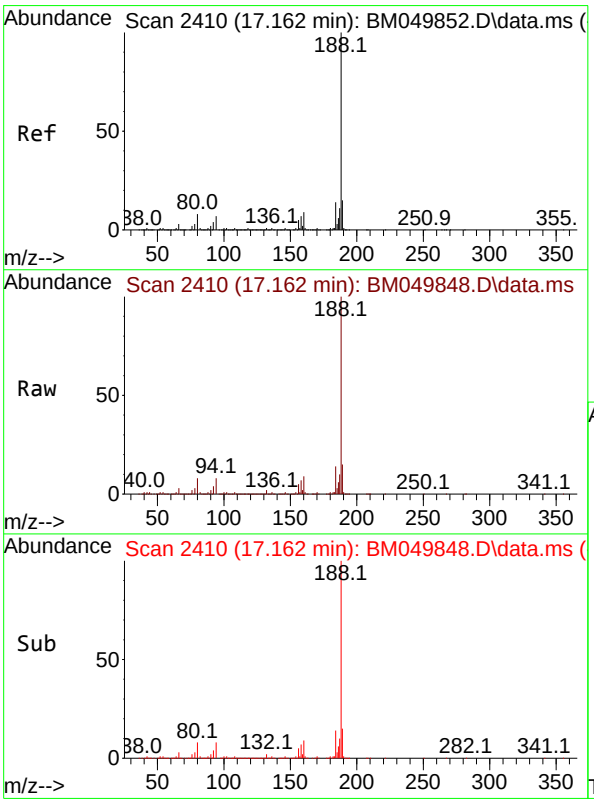
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 13.05 min

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

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

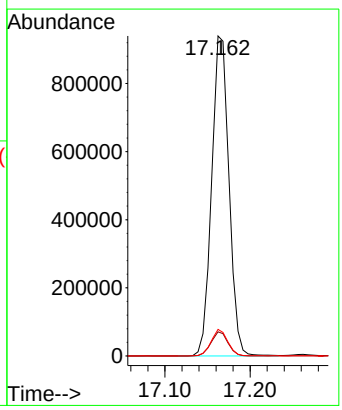
Sig	Exp Ratio
172	100
171	34.3
170	23.3

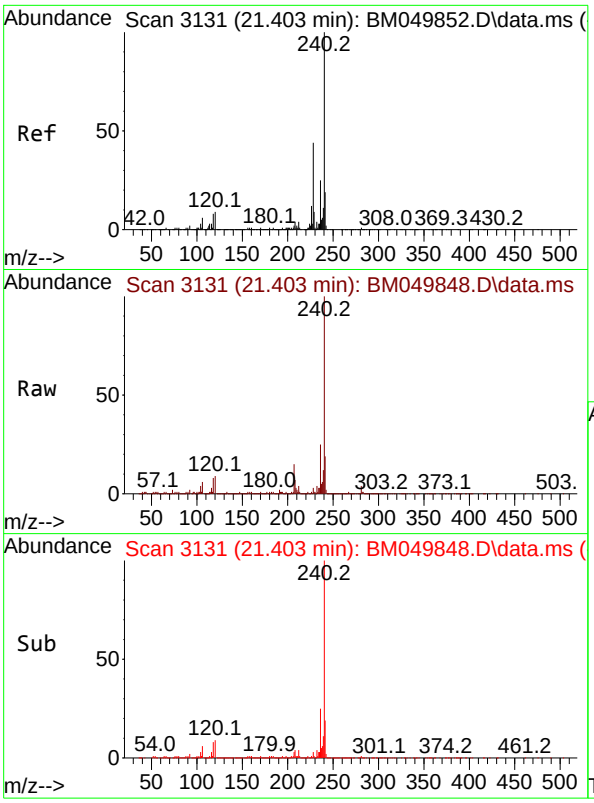


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.162 min Scan# 2410
Delta R.T. -0.000 min
Lab File: BM049848.D
Acq: 08 Apr 2025 13:35

Tgt Ion:188 Resp: 1325316

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



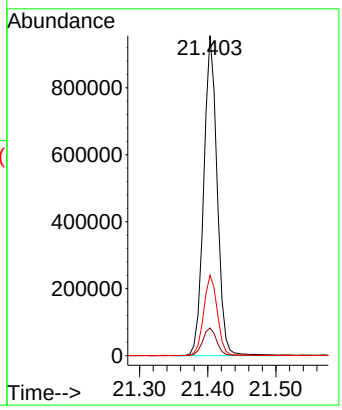


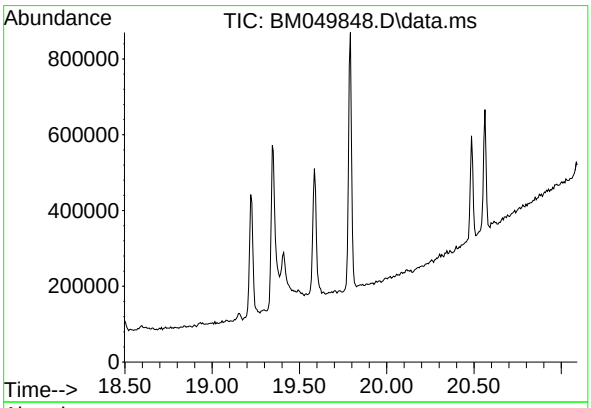
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049848.D
Acq: 08 Apr 2025 13:35

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 1306777

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



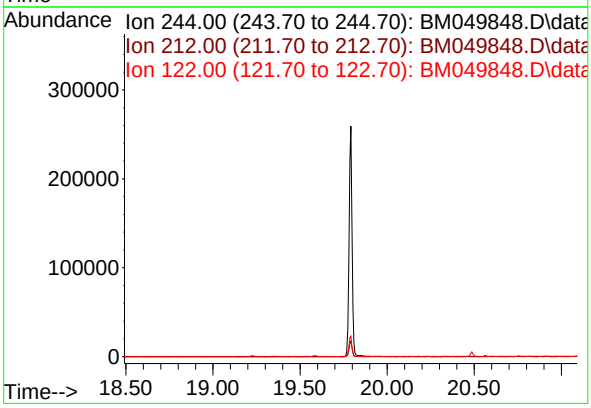


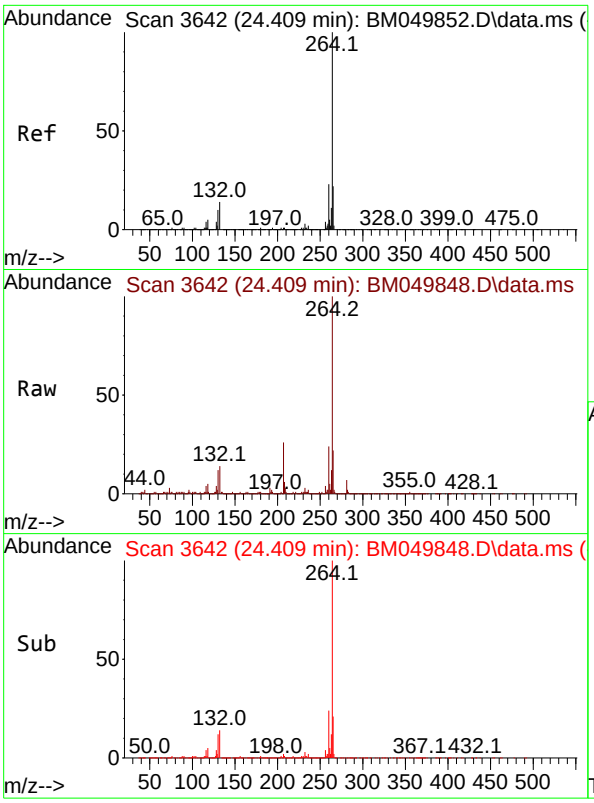
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.79 min

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

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	6.9
122	6.7



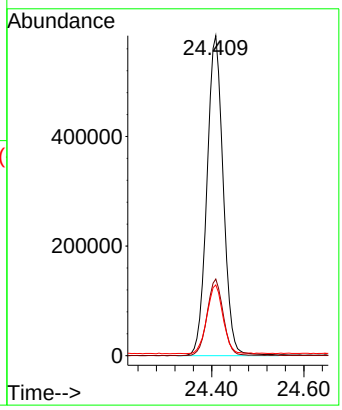


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.409 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049848.D
Acq: 08 Apr 2025 13:35

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 1436109

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



ICAL Form

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

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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

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

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

ICAL Form

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

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

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

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

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

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

ICAL Form

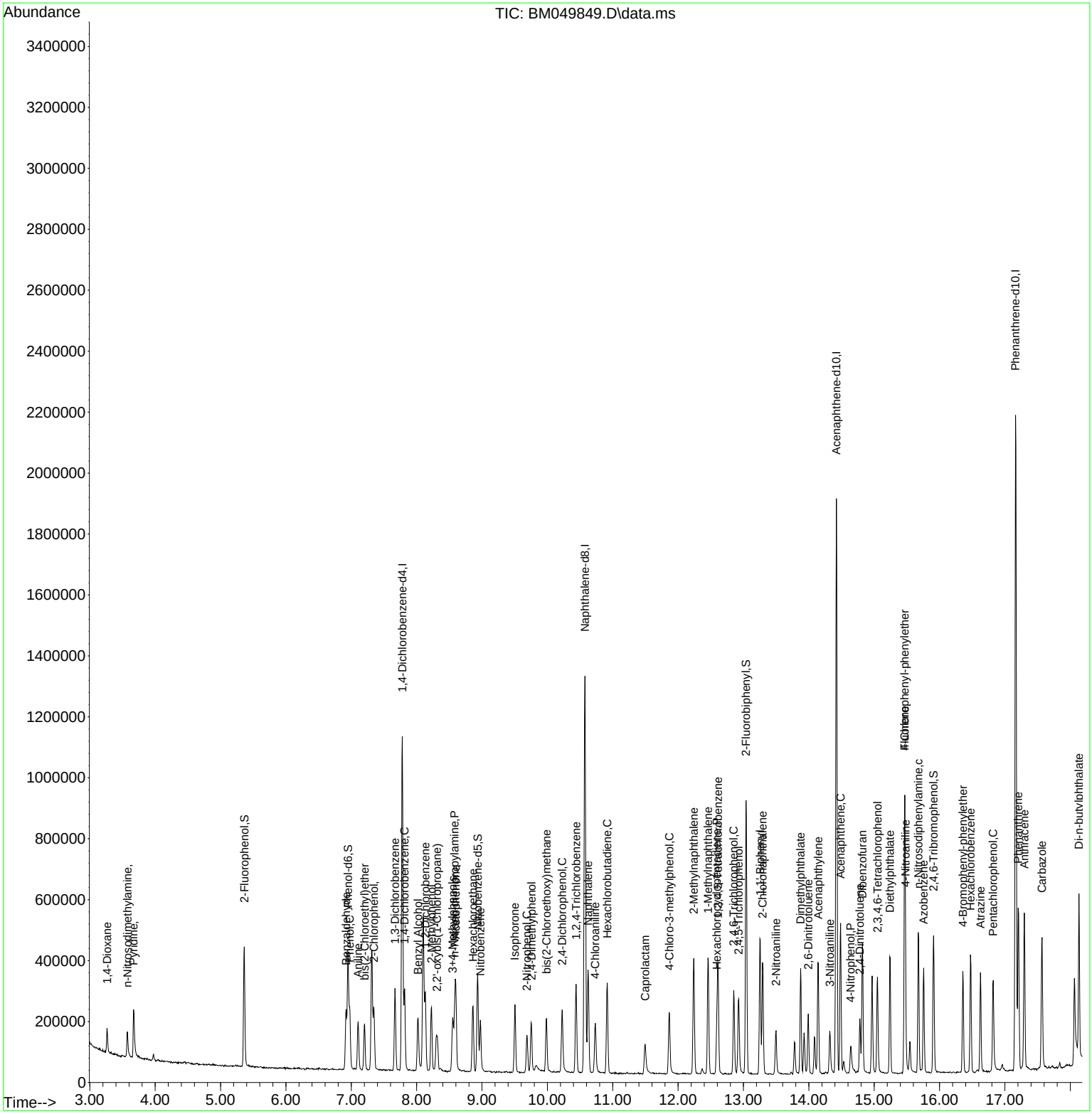
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049849.D
Acq On : 08 Apr 2025 14:14
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

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

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

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



ICAL Form

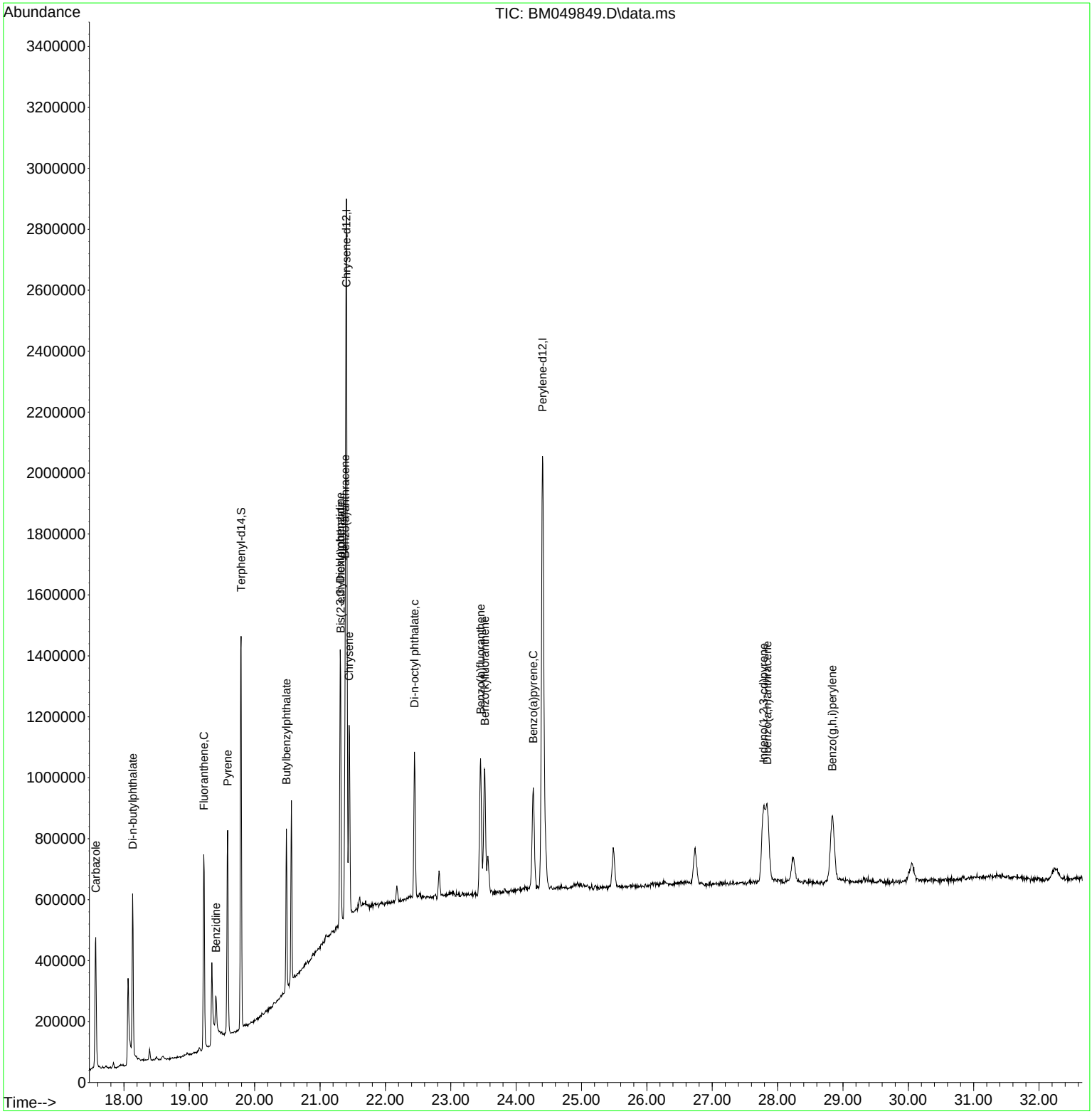
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049849.D
Acq On : 08 Apr 2025 14:14
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

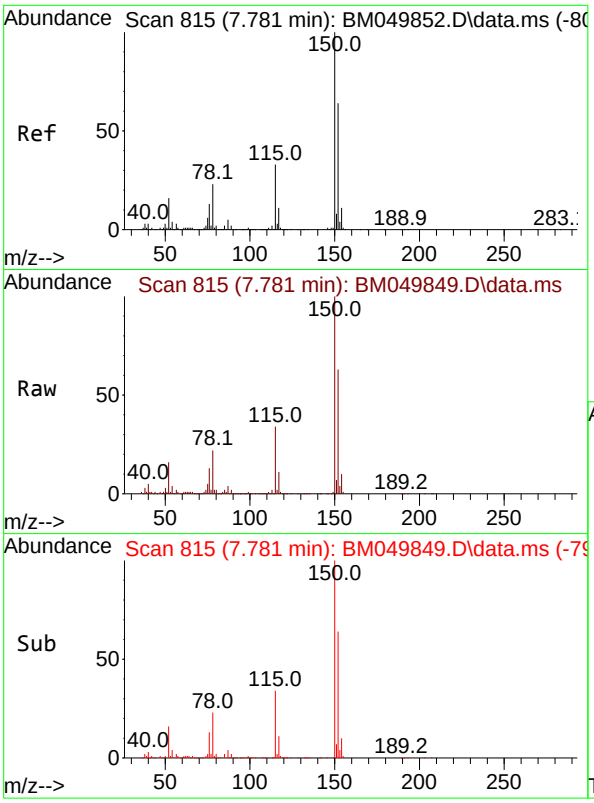
Quant Time: Apr 09 02:59:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

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

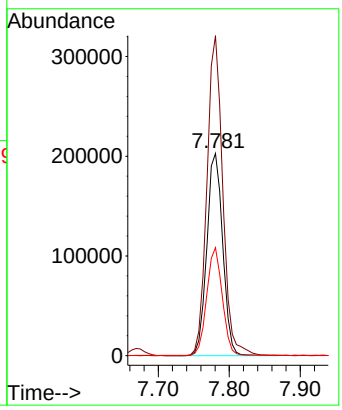




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.781 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:152 Resp: 31549

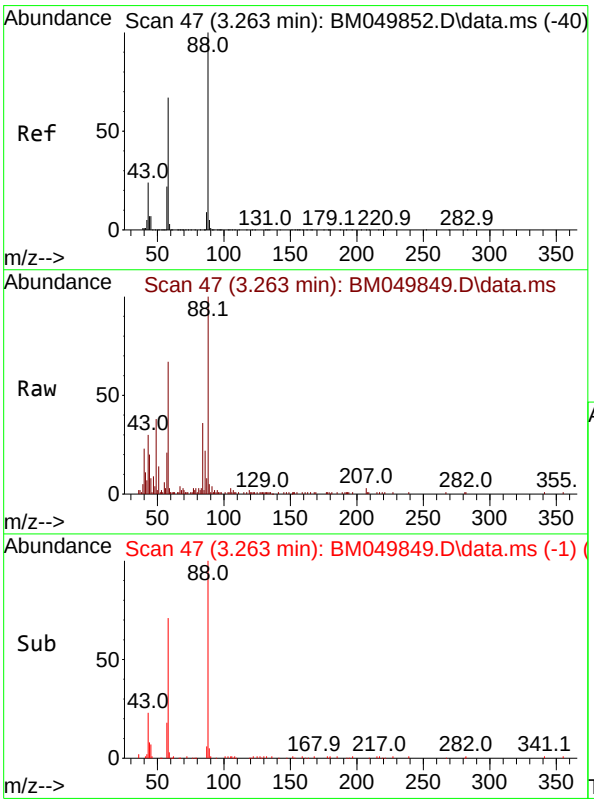
Ion	Ratio	Lower	Upper
152	100		
150	158.2	124.3	186.5
115	53.4	41.1	61.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

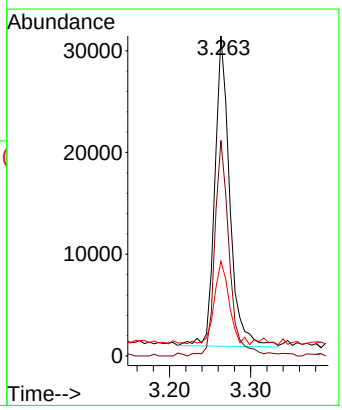
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

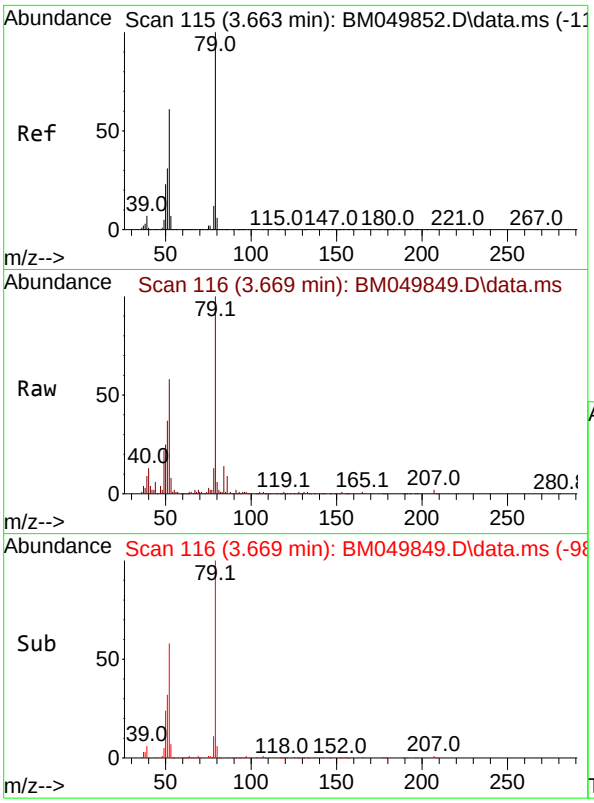


#2
1,4-Dioxane
Concen: 5.123 ng
RT: 3.263 min Scan# 47
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 88 Resp: 39196

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

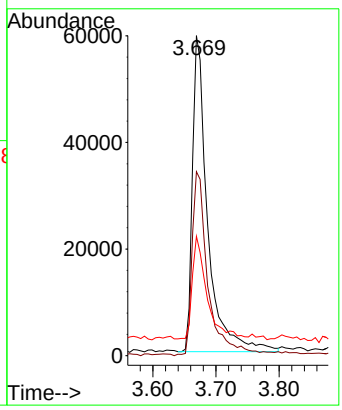




#3
Pyridine
Concen: 4.953 ng
RT: 3.669 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 79 Resp: 9953

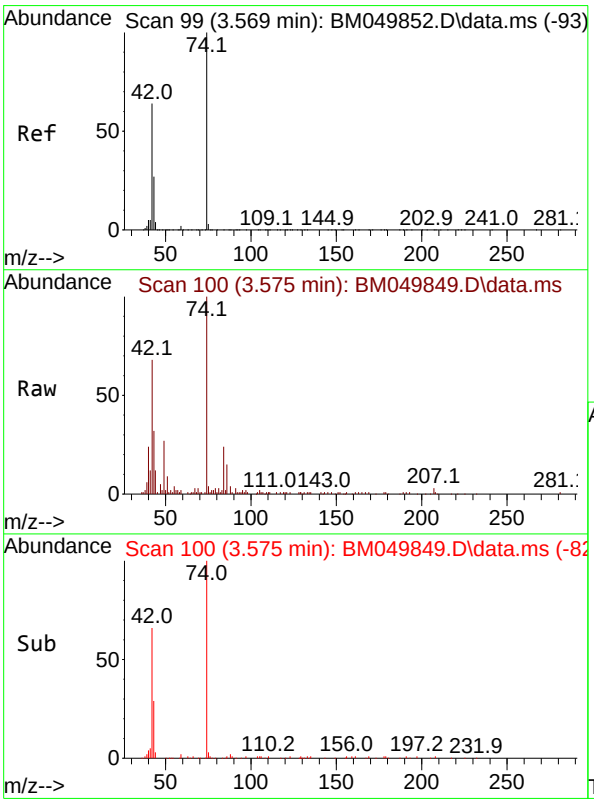
Ion	Ratio	Lower	Upper
79	100		
52	57.5	48.9	73.3
51	37.3	25.0	37.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

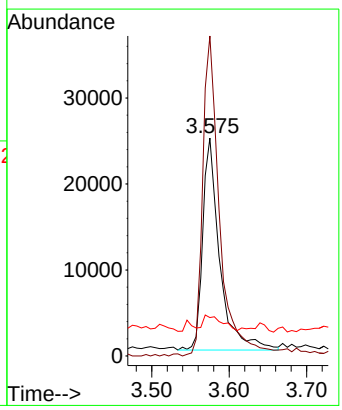
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

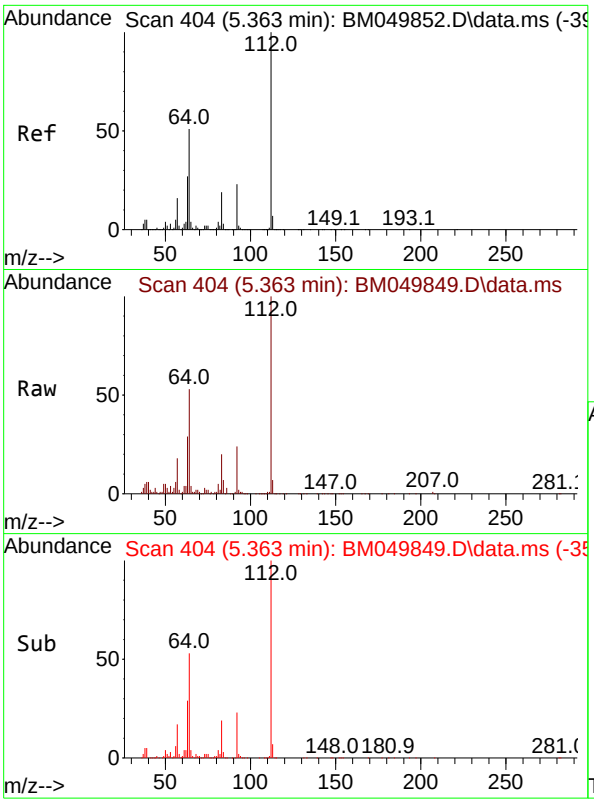


#4
n-Nitrosodimethylamine
Concen: 4.926 ng
RT: 3.575 min Scan# 100
Delta R.T. 0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 42 Resp: 37684

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

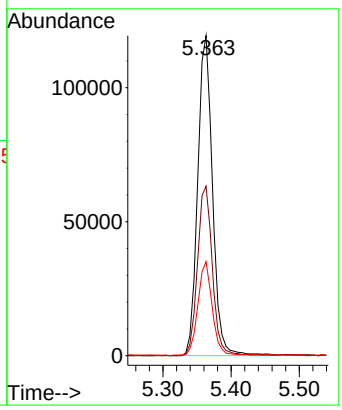




#5
2-Fluorophenol
Concen: 9.723 ng
RT: 5.363 min Scan# 4
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:112 Resp: 18065

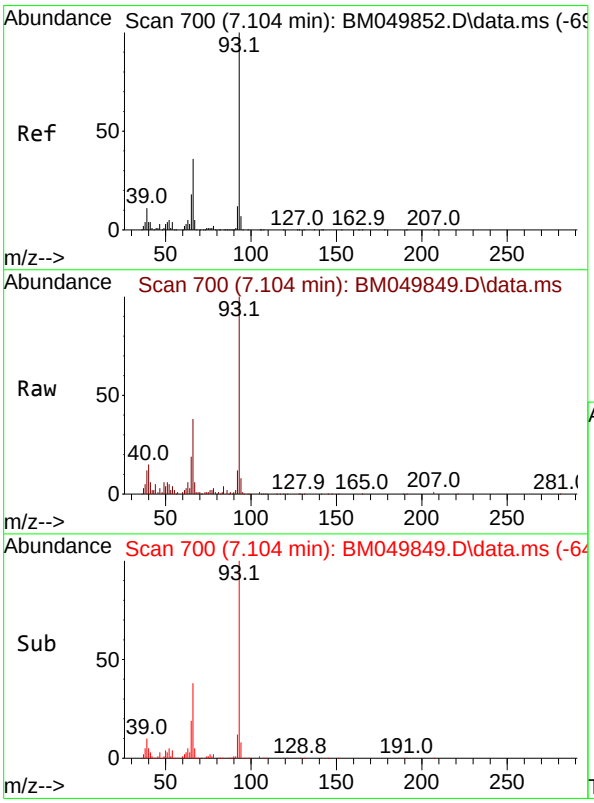
Ion	Ratio	Lower	Upper
112	100		
64	52.9	41.0	61.6
63	29.4	21.5	32.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

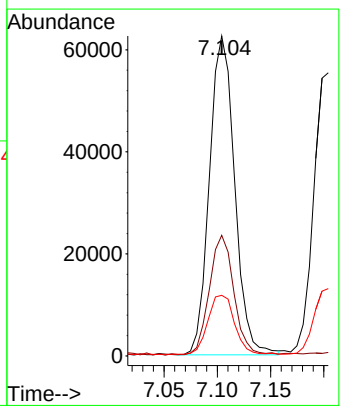
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

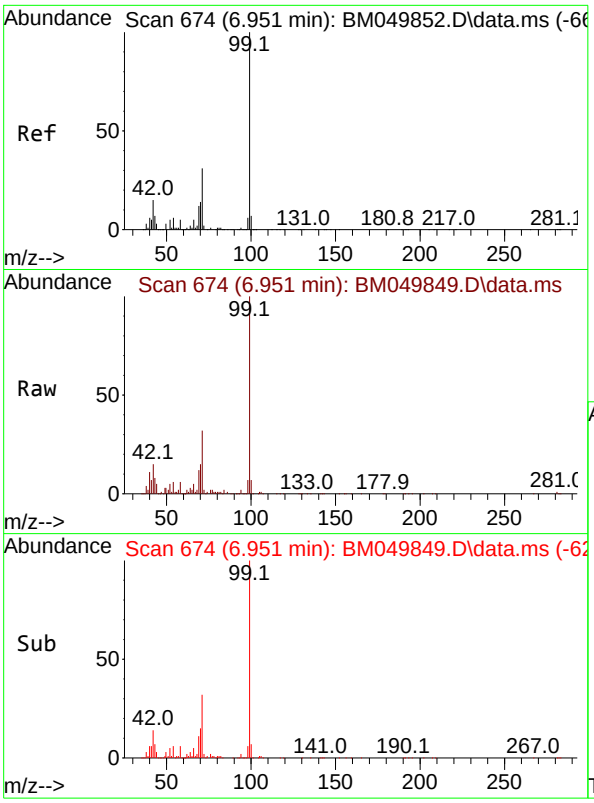


#6
Aniline
Concen: 5.193 ng
RT: 7.104 min Scan# 700
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 93 Resp: 102863

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

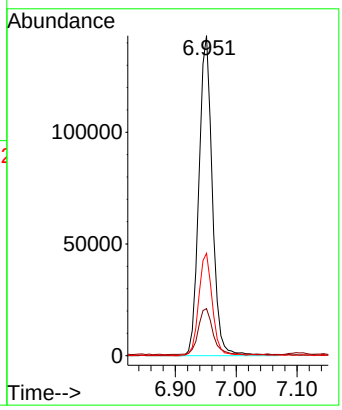




#7
Phenol-d6
Concen: 9.493 ng
RT: 6.951 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 99 Resp: 21944

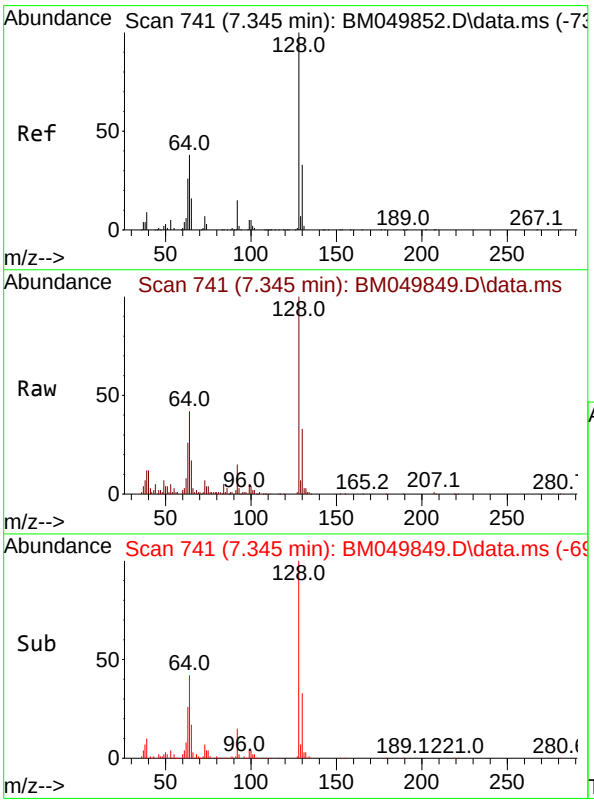
Ion	Ratio	Lower	Upper
99	100		
42	14.7	12.1	18.1
71	32.0	24.9	37.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

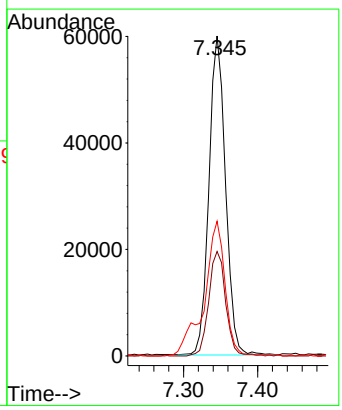
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

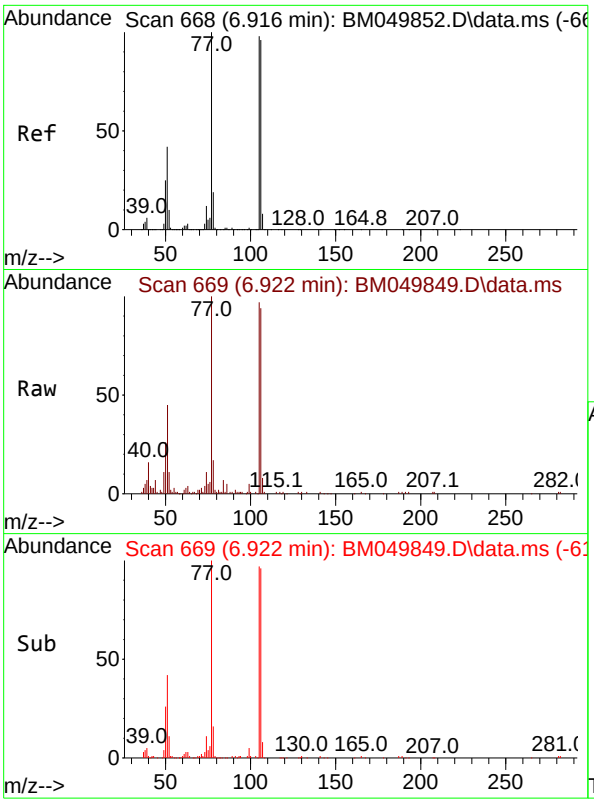


#8
2-Chlorophenol
Concen: 4.887 ng
RT: 7.345 min Scan# 741
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:128 Resp: 93043

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

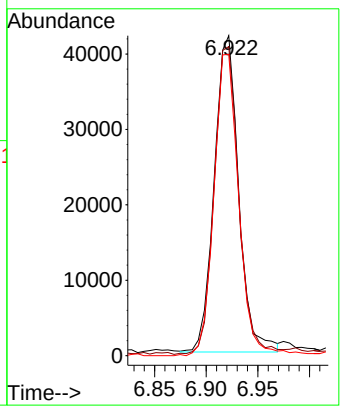




#9
Benzaldehyde
Concen: 5.813 ng m
RT: 6.922 min Scan# 6(
Delta R.T. 0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 77 Resp: 6889(

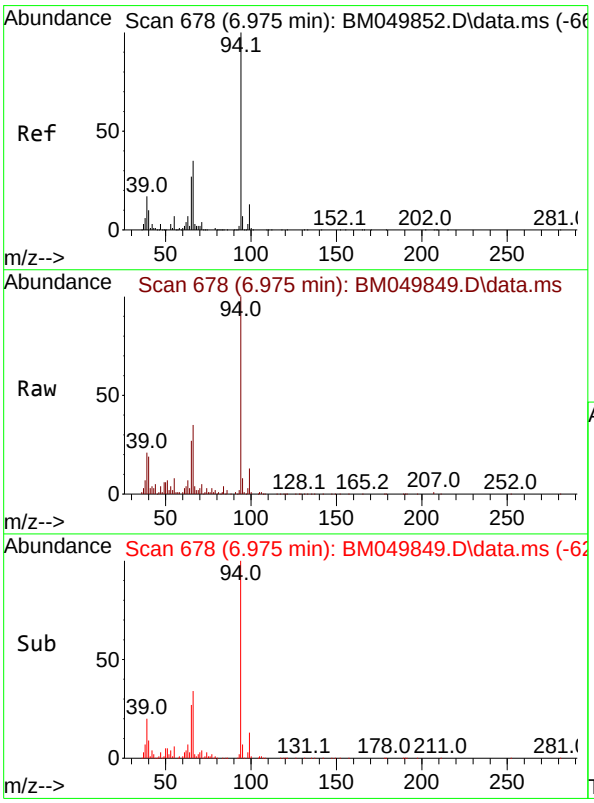
Ion	Ratio	Lower	Upper
77	100		
105	96.6	78.3	118.3
106	94.2	76.0	116.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

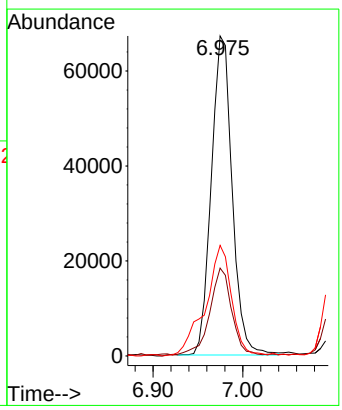
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

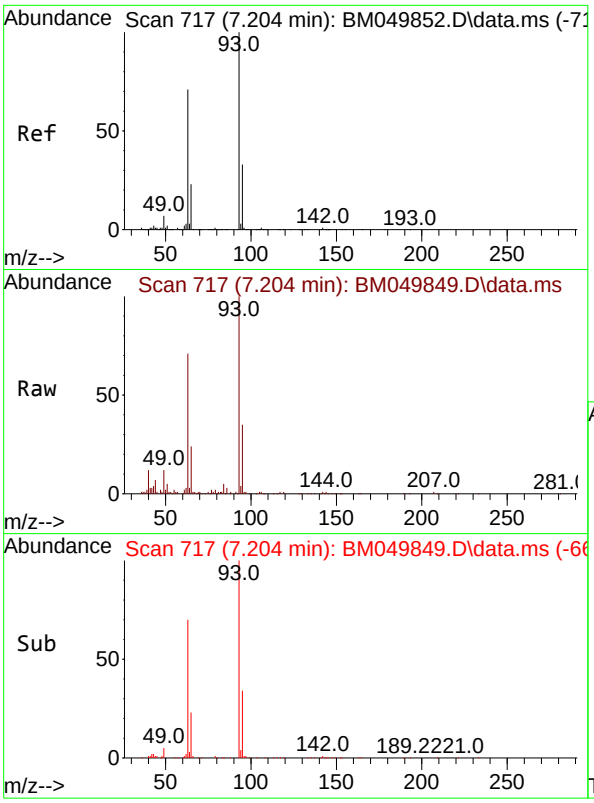


#10
Phenol
Concen: 4.811 ng
RT: 6.975 min Scan# 678
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 94 Resp: 108517

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

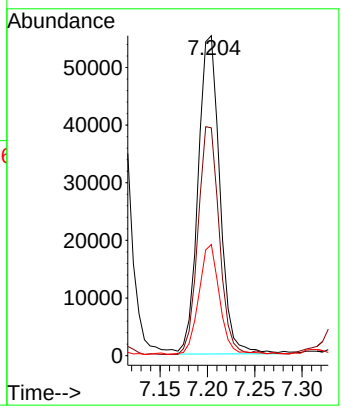




#11
bis(2-Chloroethyl)ether
Concen: 4.964 ng
RT: 7.204 min Scan# 71
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 93 Resp: 8781

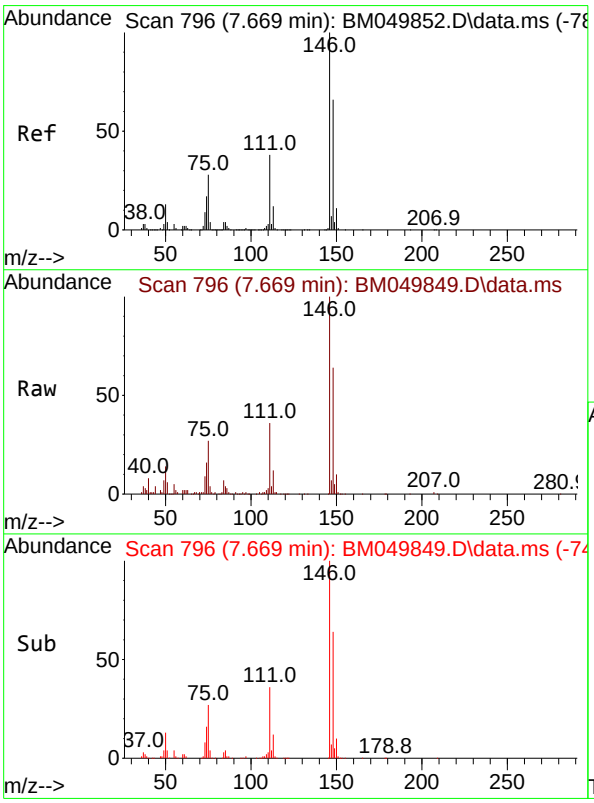
Ion	Ratio	Lower	Upper
93	100		
63	71.2	50.9	90.9
95	34.8	12.6	52.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

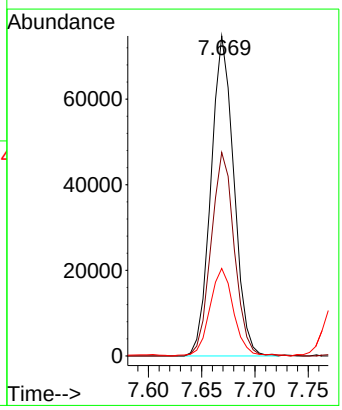
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

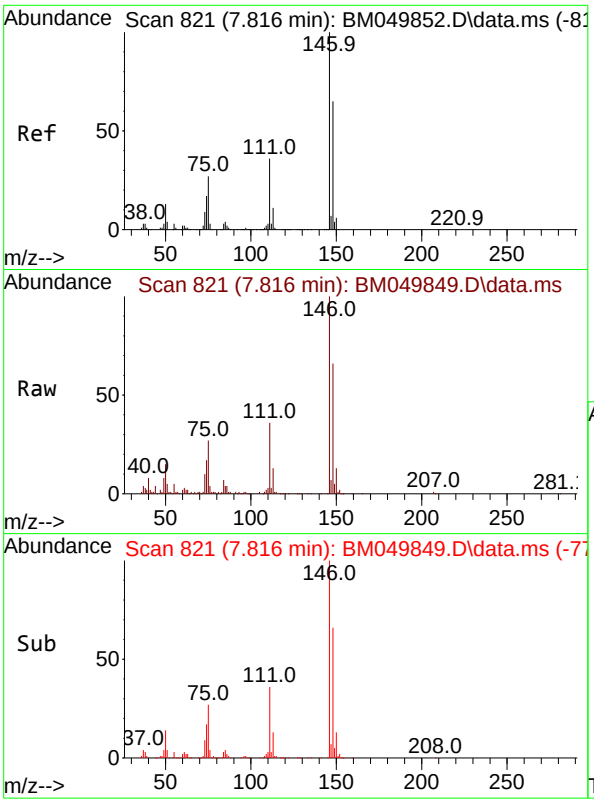


#12
1,3-Dichlorobenzene
Concen: 4.965 ng
RT: 7.669 min Scan# 796
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:146 Resp: 111770

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





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

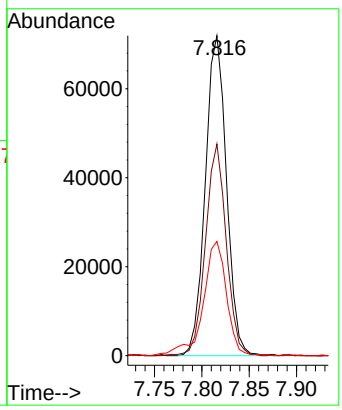
Tgt Ion:146 Resp: 11183

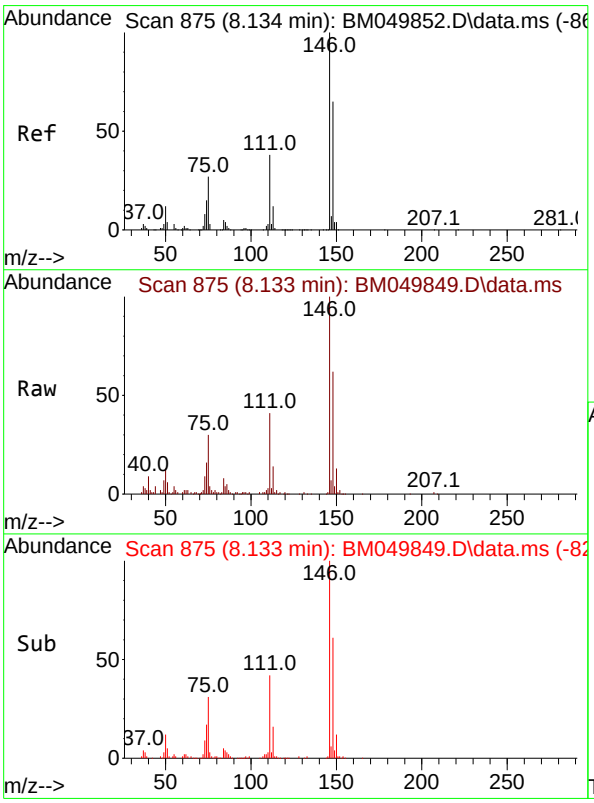
Ion	Ratio	Lower	Upper
146	100		
148	66.1	52.4	78.6
111	35.7	28.5	42.7

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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

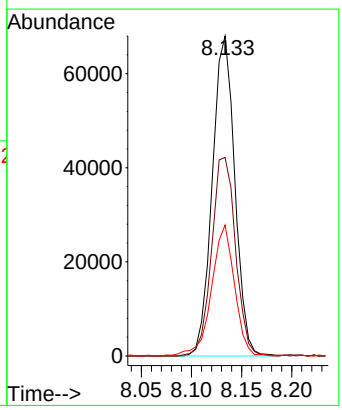


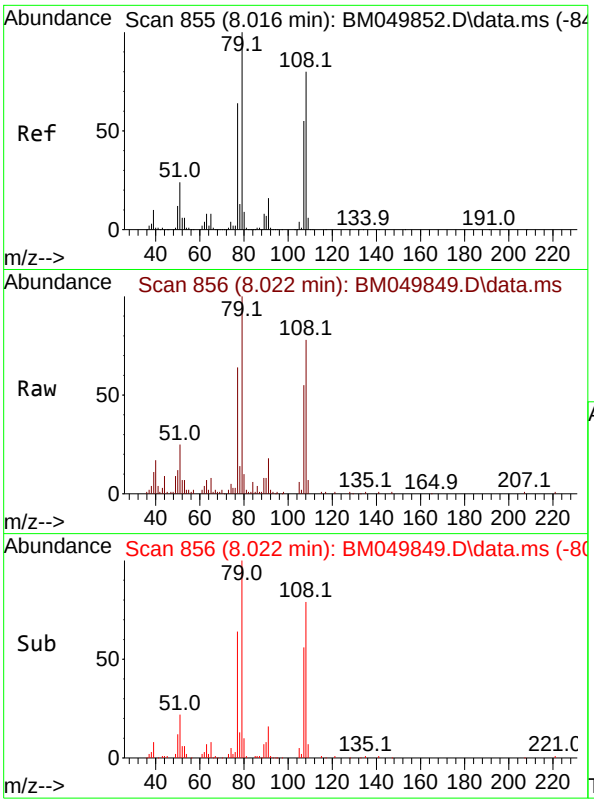


#14
1,2-Dichlorobenzene
Concen: 4.983 ng
RT: 8.133 min Scan# 875
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:146 Resp: 106307

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





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

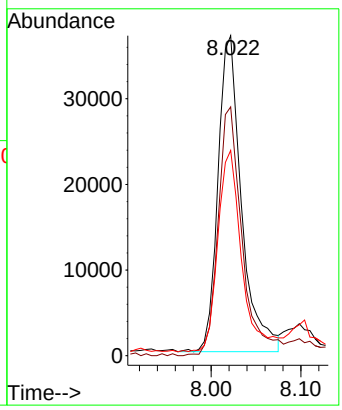
Tgt Ion: 79 Resp: 6719

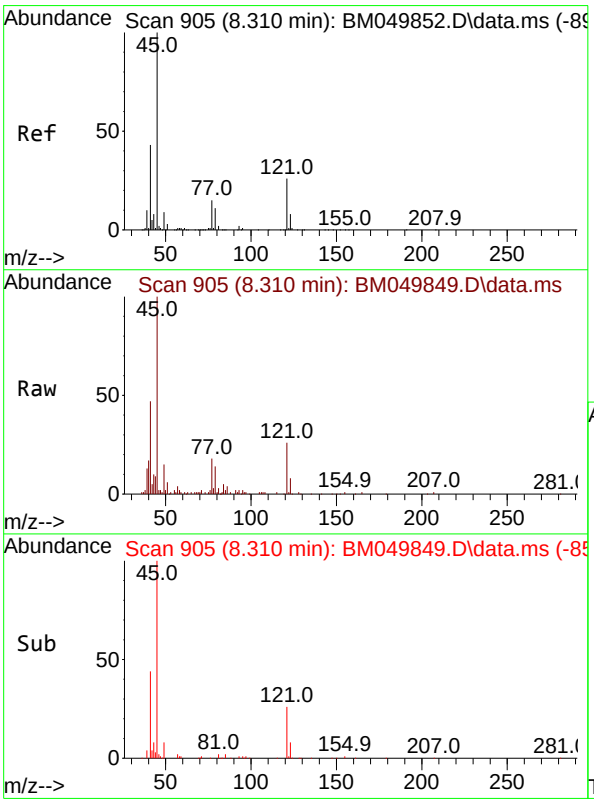
Ion	Ratio	Lower	Upper
79	100		
108	77.8	63.6	95.4
77	64.1	51.3	76.9

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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

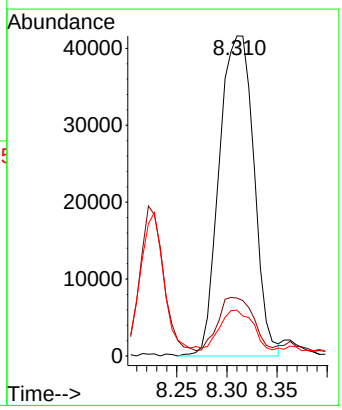


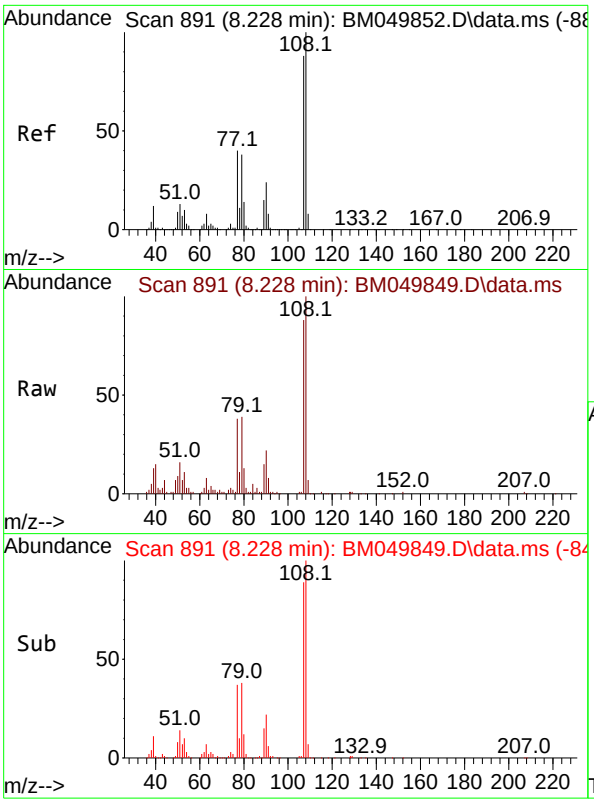


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.073 ng
RT: 8.310 min Scan# 905
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 45 Resp: 100016

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

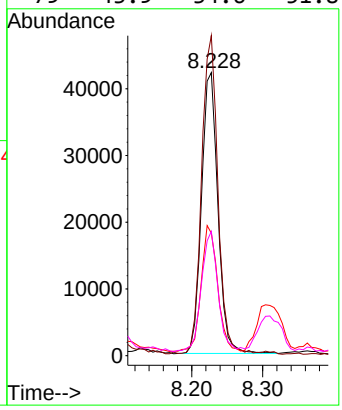




#17
2-Methylphenol
Concen: 4.867 ng
RT: 8.228 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:107 Resp: 6766

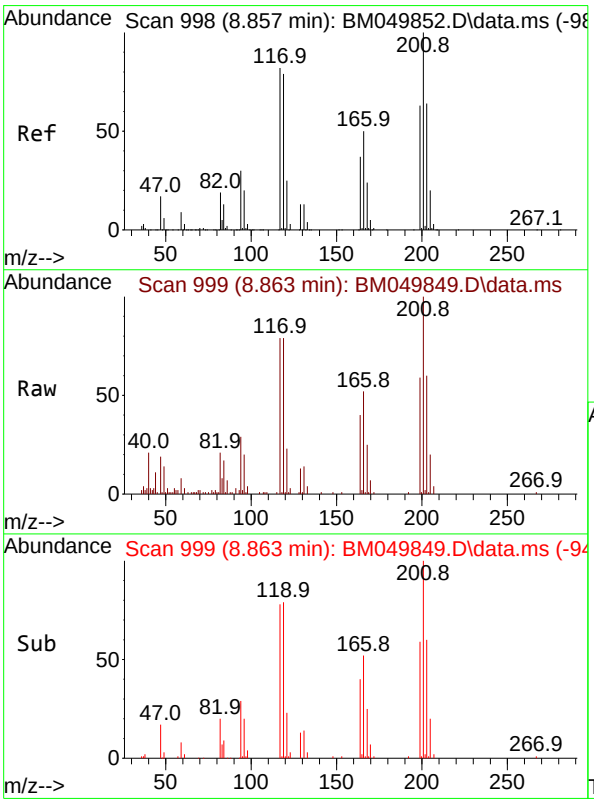
Ion	Ratio	Lower	Upper
107	100		
108	113.0	91.0	136.6
77	43.3	36.5	54.7
79	43.9	34.6	51.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

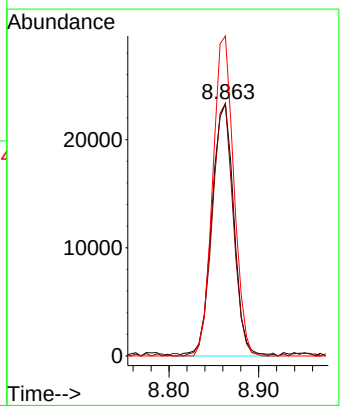
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

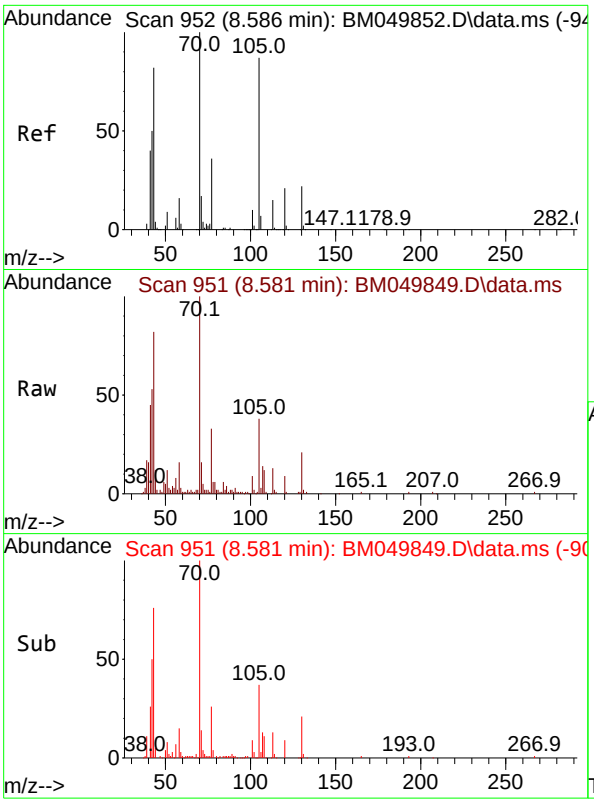


#18
Hexachloroethane
Concen: 5.051 ng
RT: 8.863 min Scan# 999
Delta R.T. 0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:117 Resp: 39805

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

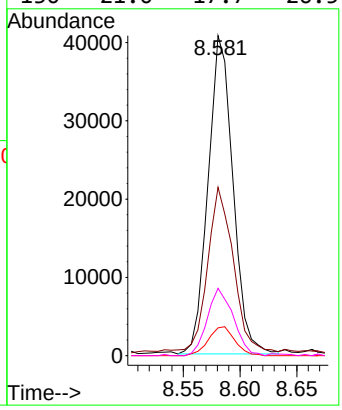




#19
n-Nitroso-di-n-propylamine
Concen: 4.840 ng
RT: 8.581 min Scan# 9
Delta R.T. -0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 70 Resp: 6196

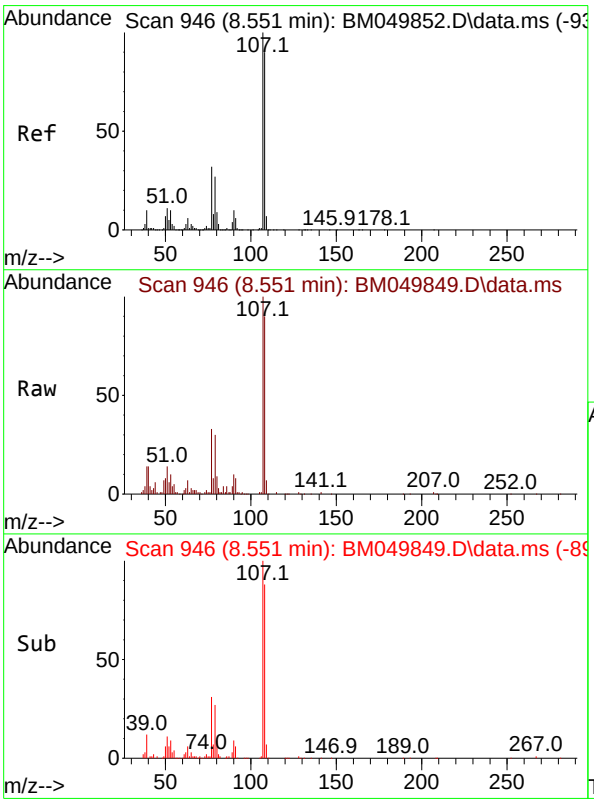
Ion	Ratio	Lower	Upper
70	100		
42	52.6	40.2	60.2
101	8.7	7.9	11.9
130	21.0	17.7	26.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

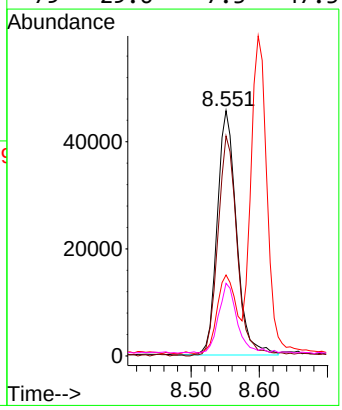
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

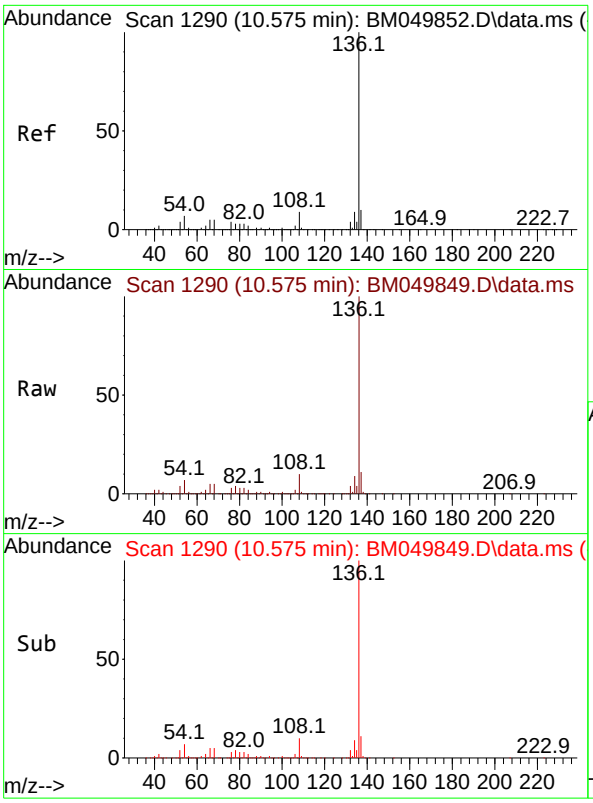


#20
3+4-Methylphenols
Concen: 4.744 ng
RT: 8.551 min Scan# 946
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:107 Resp: 89903

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

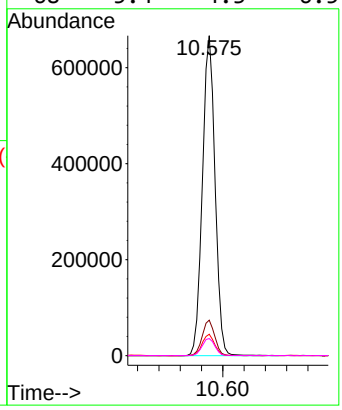




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.575 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:136 Resp: 109599

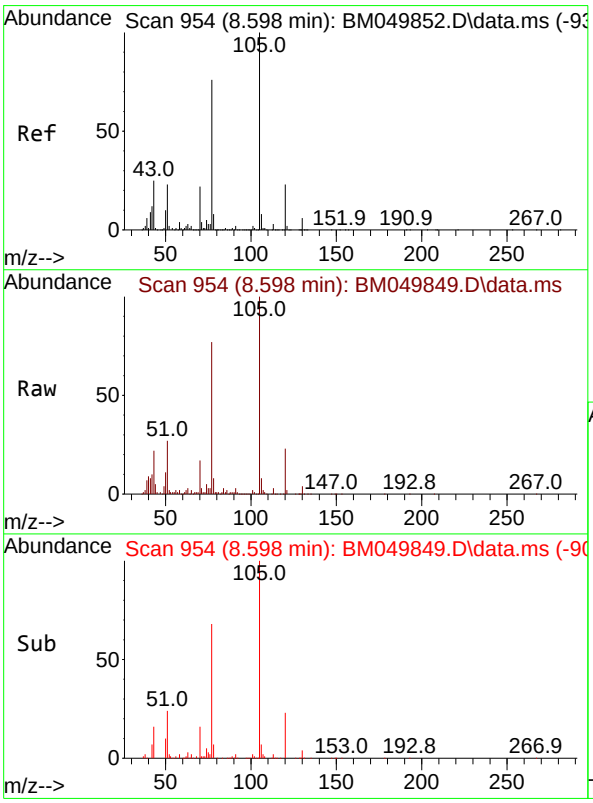
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.4	12.6
54	6.7	5.3	7.9
68	5.4	4.3	6.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

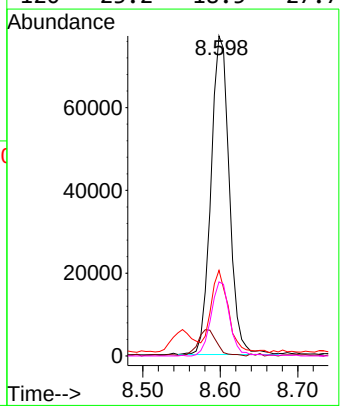
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

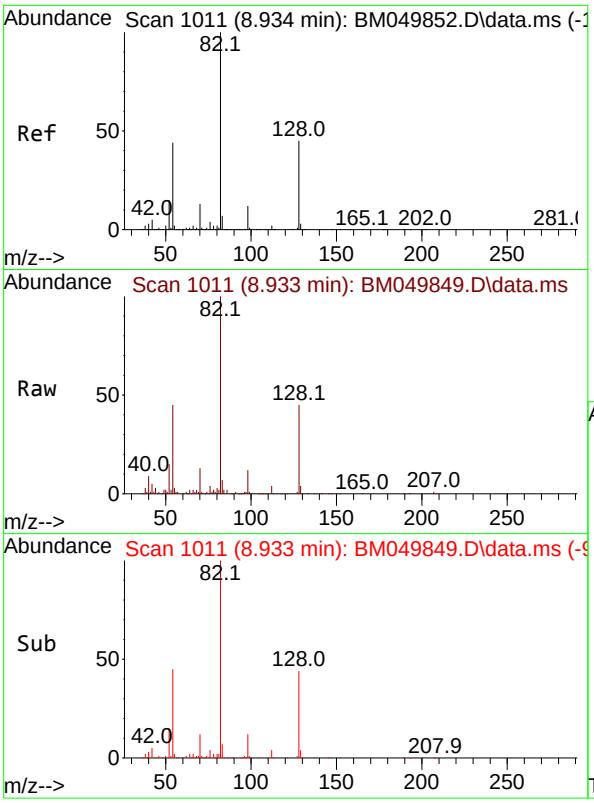


#22
Acetophenone
Concen: 4.760 ng
RT: 8.598 min Scan# 954
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:105 Resp: 126780

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

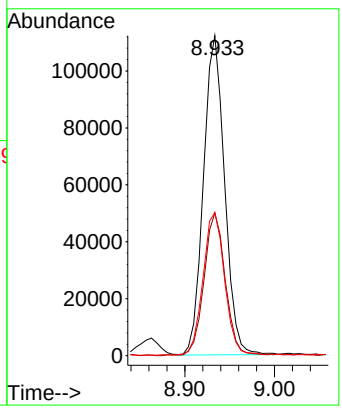




#23
Nitrobenzene-d5
Concen: 9.324 ng
RT: 8.933 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 82 Resp: 18350

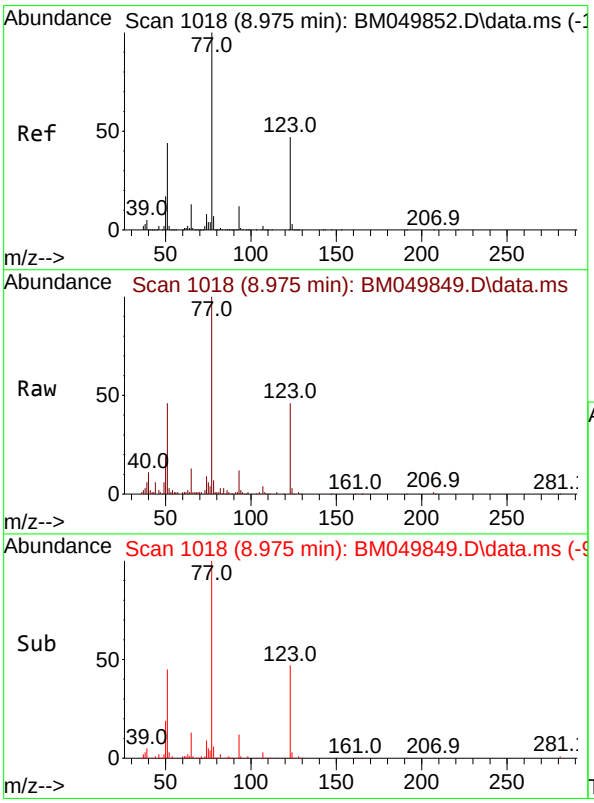
Ion	Ratio	Lower	Upper
82	100		
128	44.6	36.2	54.2
54	44.8	35.0	52.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

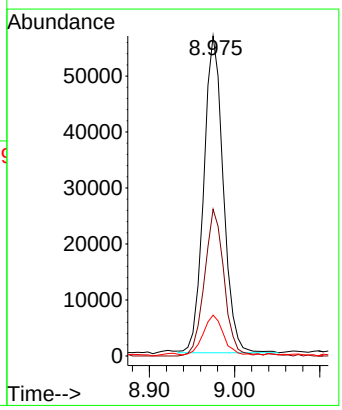
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

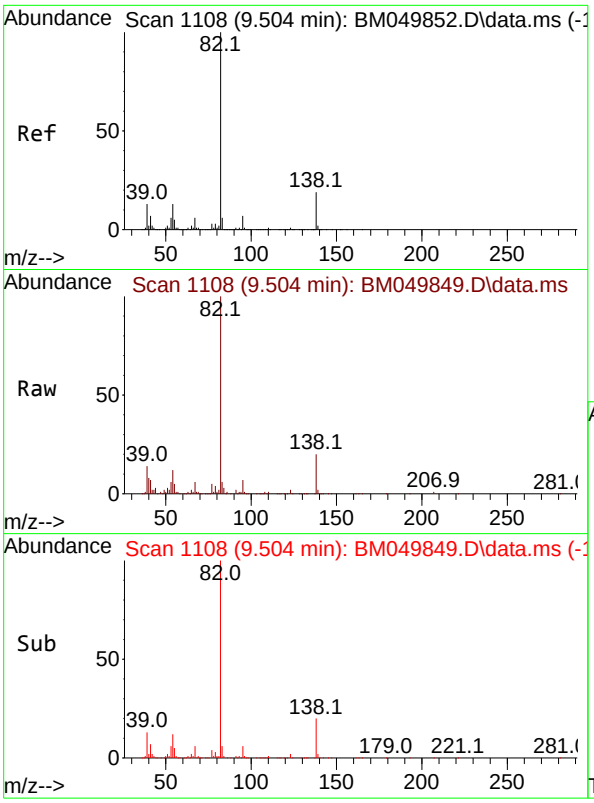


#24
Nitrobenzene
Concen: 4.754 ng
RT: 8.975 min Scan# 1018
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 77 Resp: 90100

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

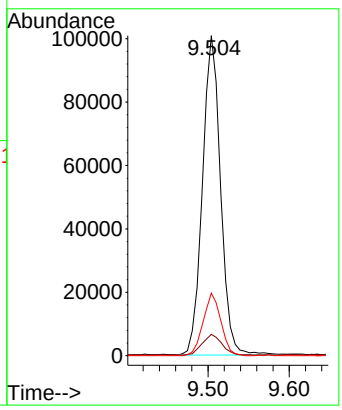




#25
Isophorone
Concen: 4.732 ng
RT: 9.504 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 82 Resp: 15601

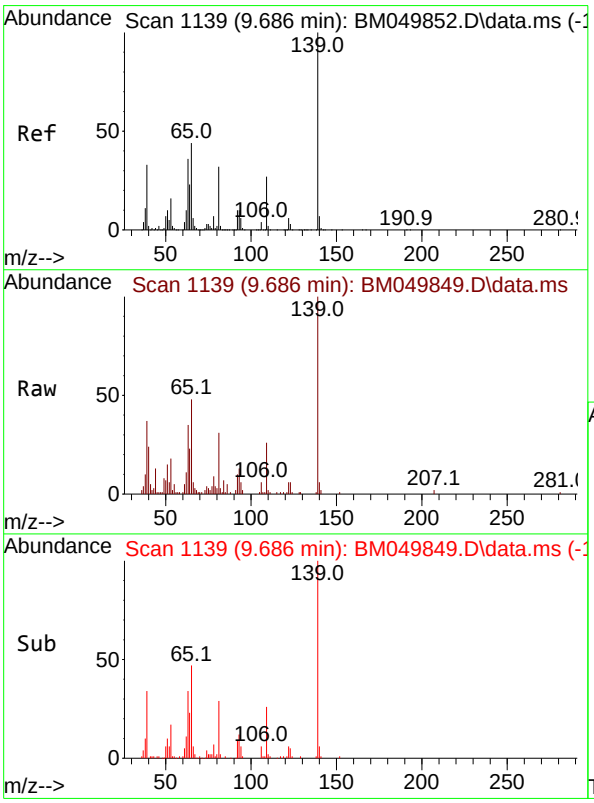
Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.4	8.2
138	19.5	15.0	22.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

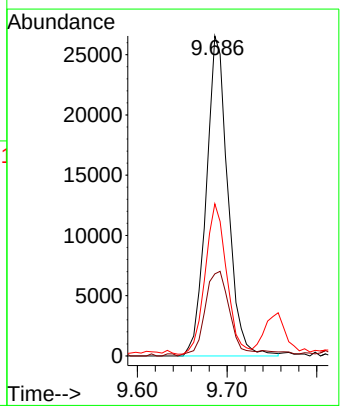
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

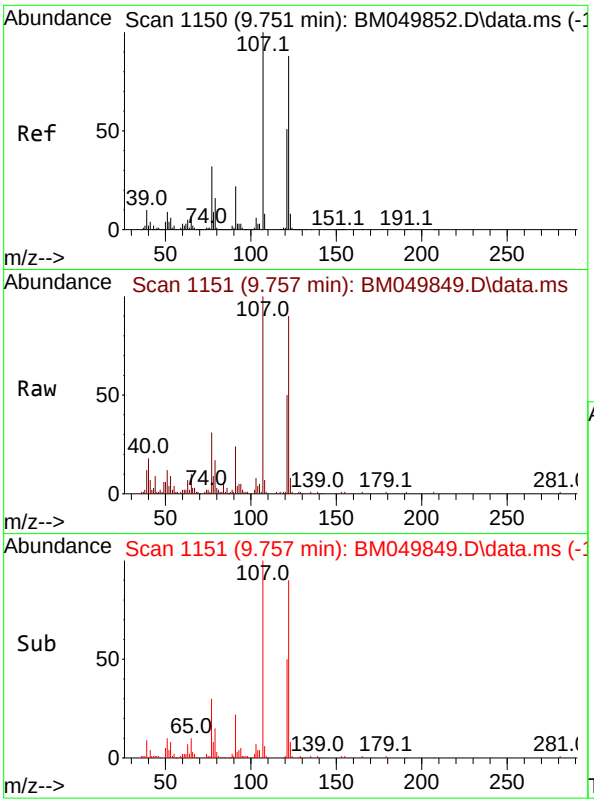


#26
2-Nitrophenol
Concen: 4.417 ng
RT: 9.686 min Scan# 1139
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:139 Resp: 44371

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

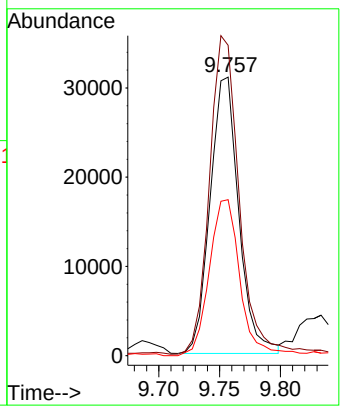




#27
2,4-Dimethylphenol
Concen: 4.457 ng
RT: 9.757 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:122 Resp: 5073

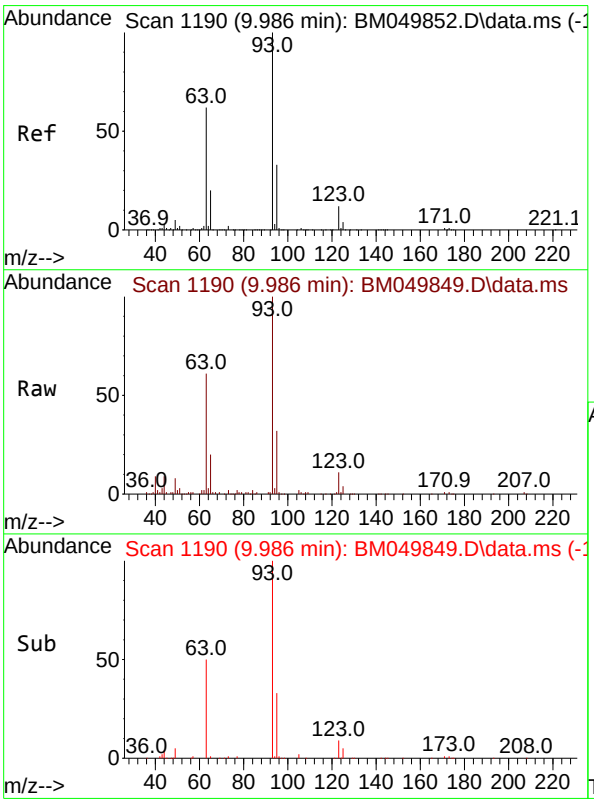
Ion	Ratio	Lower	Upper
122	100		
107	111.4	90.3	135.5
121	56.0	46.1	69.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

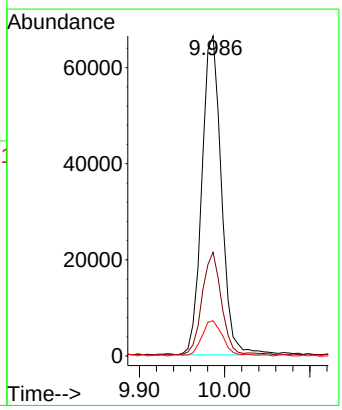
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

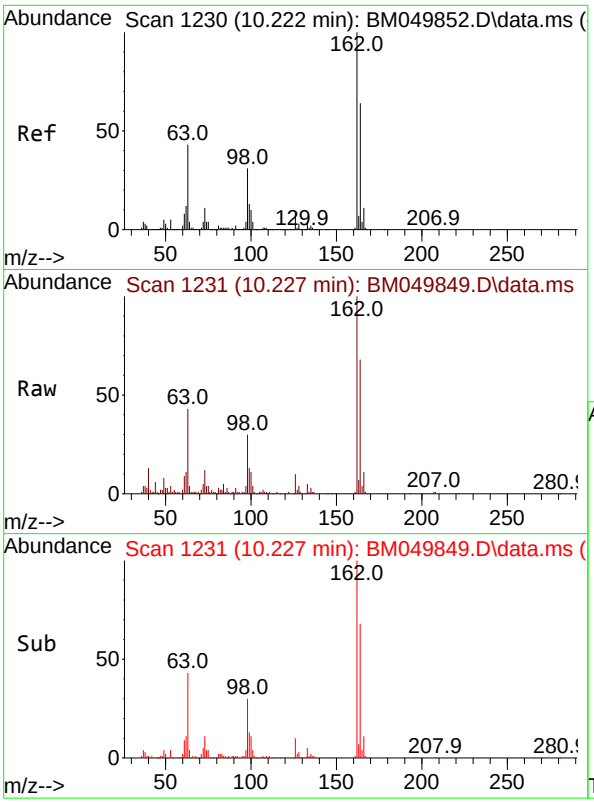


#28
bis(2-Chloroethoxy)methane
Concen: 4.795 ng
RT: 9.986 min Scan# 1190
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 93 Resp: 105841

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

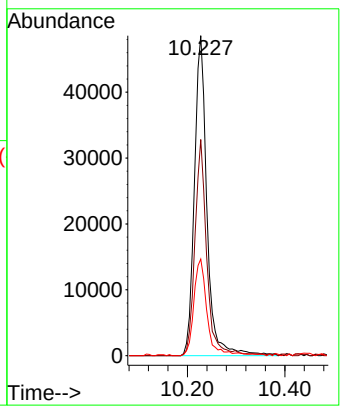




#29
2,4-Dichlorophenol
Concen: 4.621 ng
RT: 10.227 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:162 Resp: 8744

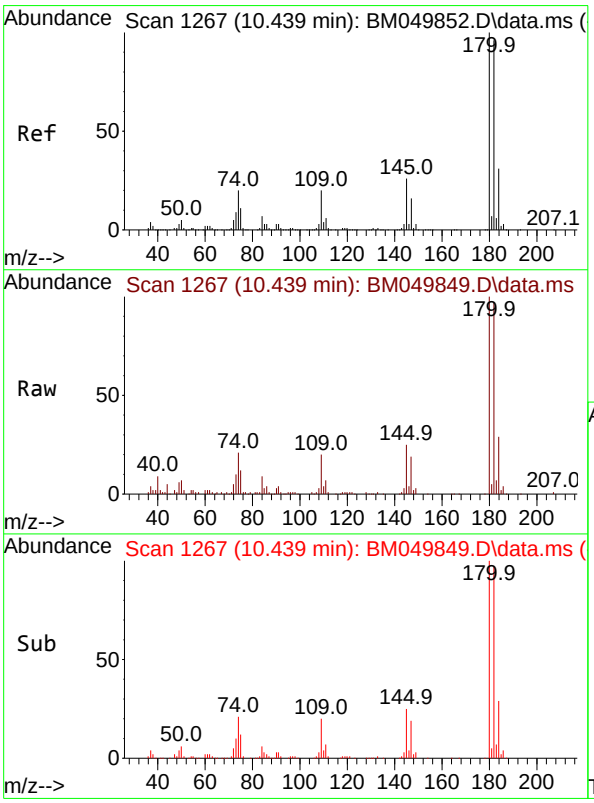
Ion	Ratio	Lower	Upper
162	100		
164	67.5	44.3	84.3
98	30.2	10.9	50.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

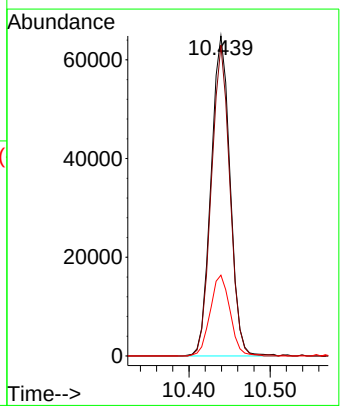
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

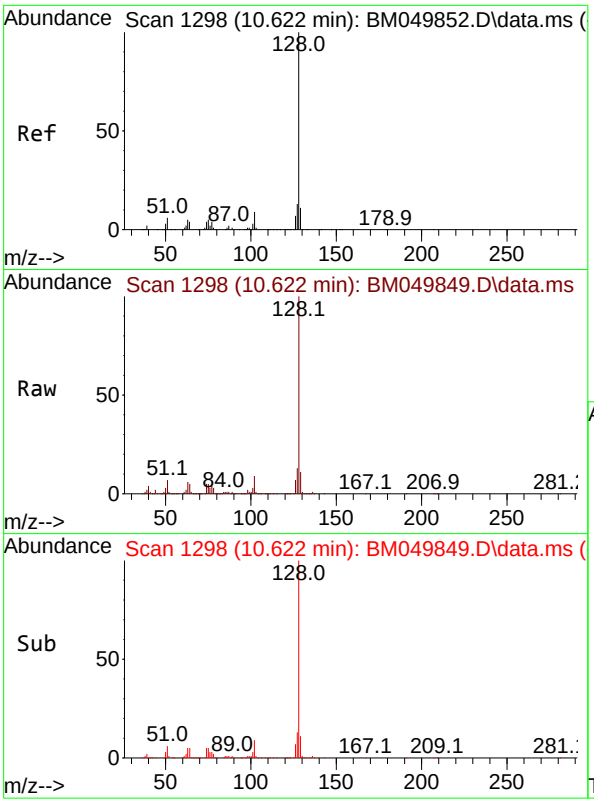


#30
1,2,4-Trichlorobenzene
Concen: 4.830 ng
RT: 10.439 min Scan# 1267
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:180 Resp: 105742

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

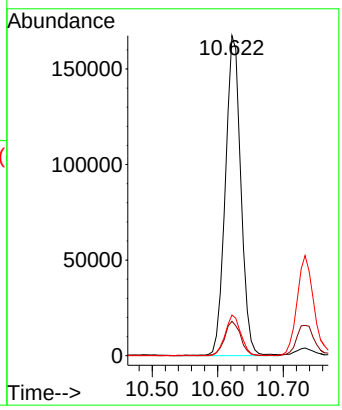




#31
Naphthalene
Concen: 4.883 ng
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:128 Resp: 27496

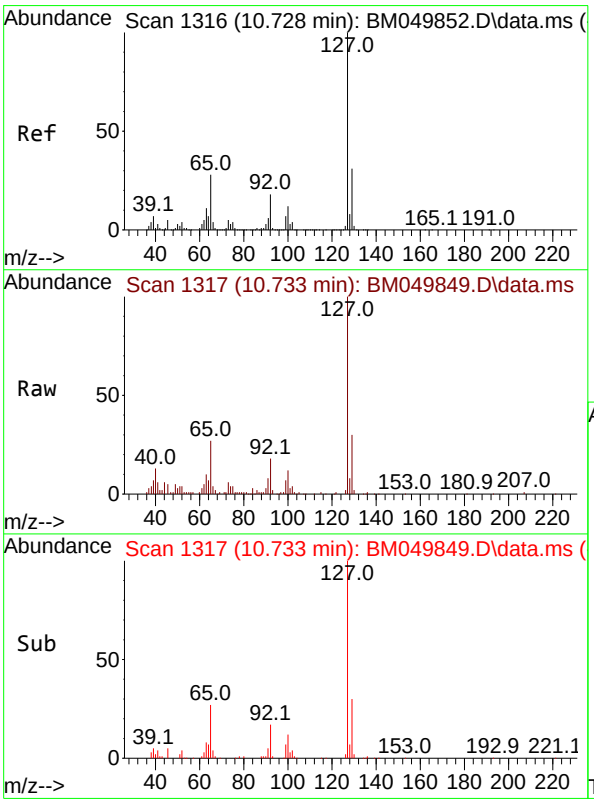
Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	12.7	10.6	15.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

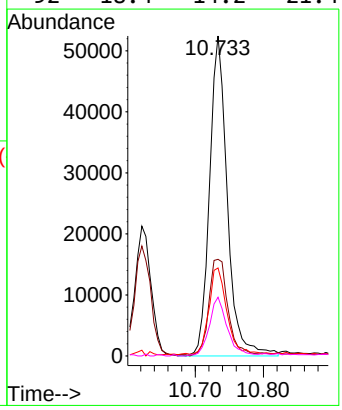
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

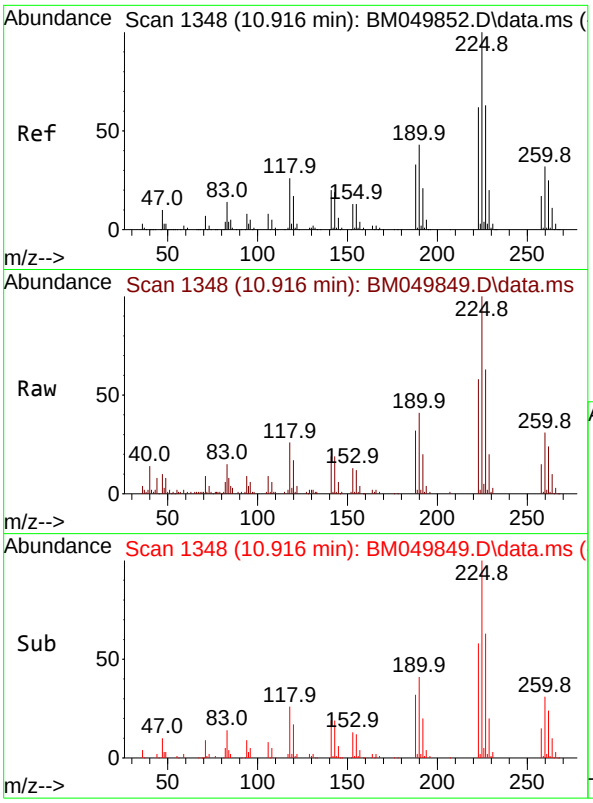


#33
4-Chloroaniline
Concen: 4.793 ng
RT: 10.733 min Scan# 1317
Delta R.T. 0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:127 Resp: 95317

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

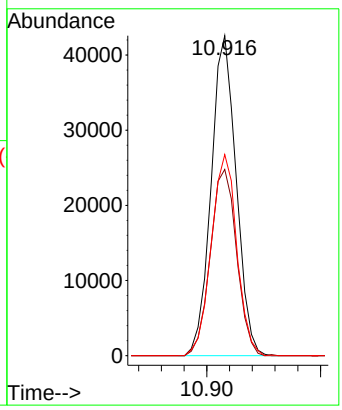




#34
Hexachlorobutadiene
Concen: 4.815 ng
RT: 10.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:225 Resp: 6519

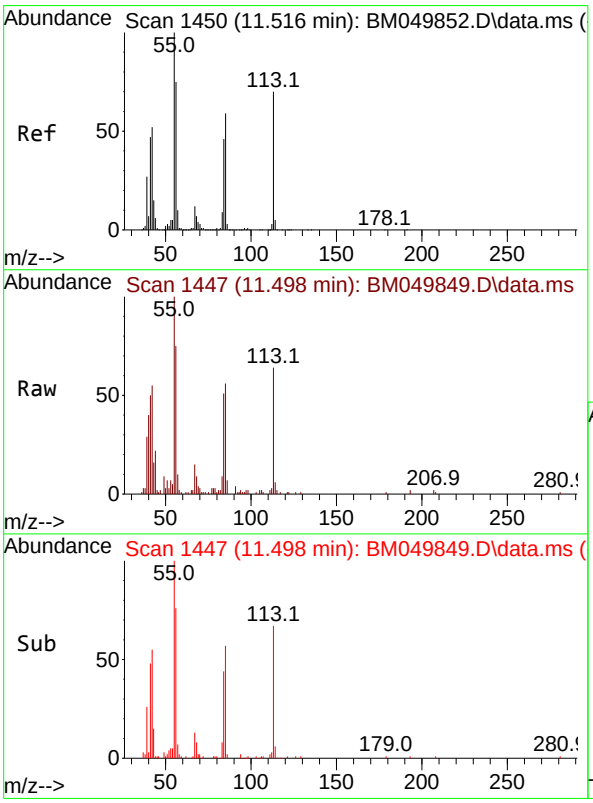
Ion	Ratio	Lower	Upper
225	100		
223	58.2	49.4	74.2
227	62.8	50.1	75.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

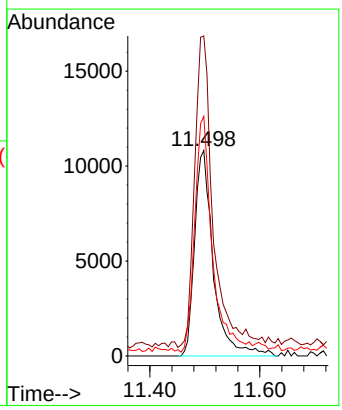
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

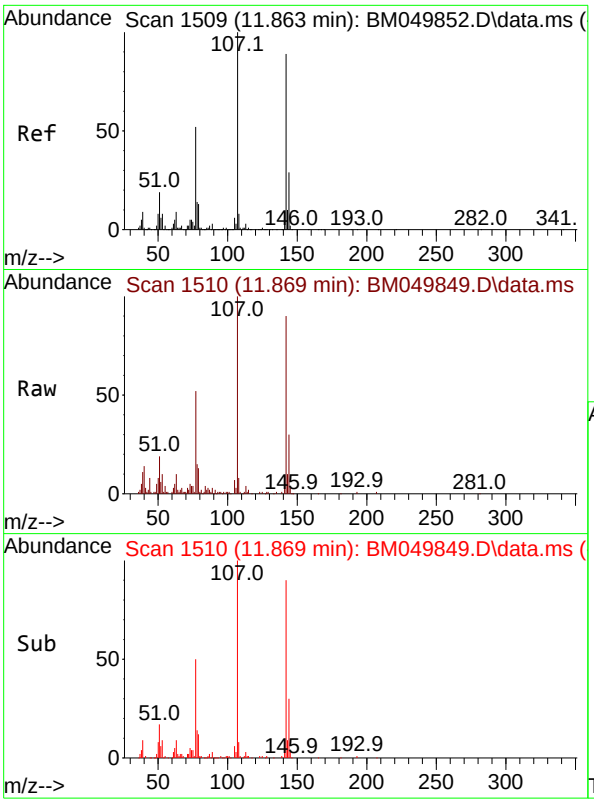


#35
Caprolactam
Concen: 4.718 ng
RT: 11.498 min Scan# 1447
Delta R.T. -0.018 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:113 Resp: 25608

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

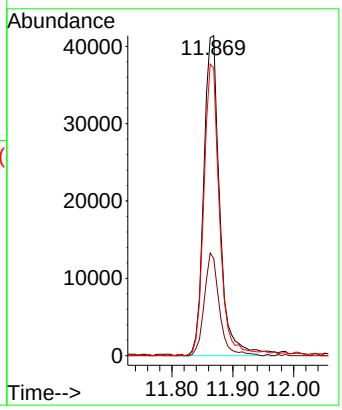




#36
4-Chloro-3-methylphenol
Concen: 4.583 ng
RT: 11.869 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:107 Resp: 7597

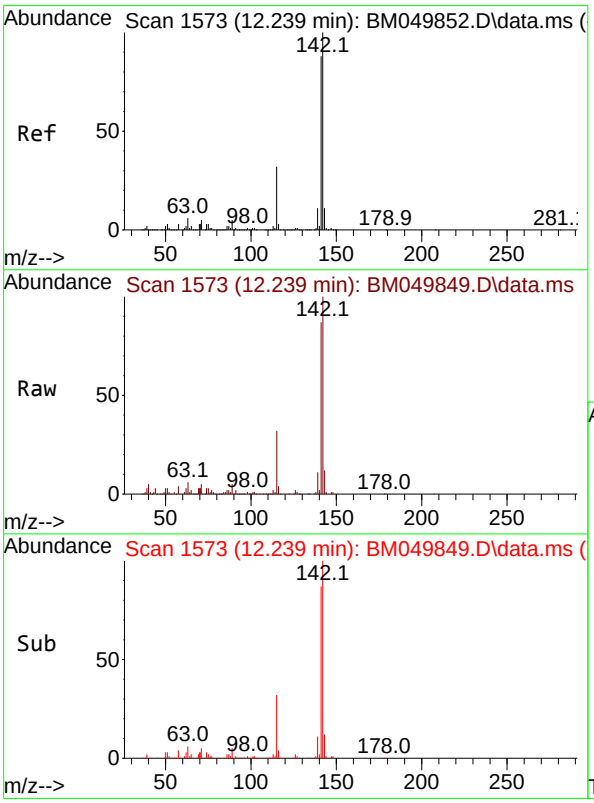
Ion	Ratio	Lower	Upper
107	100		
144	30.4	23.6	35.4
142	89.9	71.4	107.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

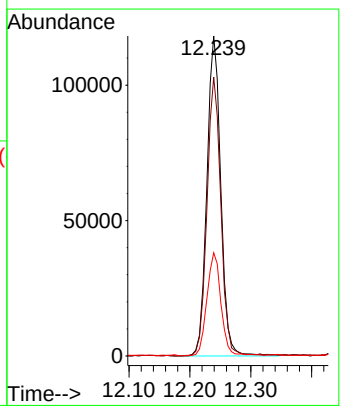
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

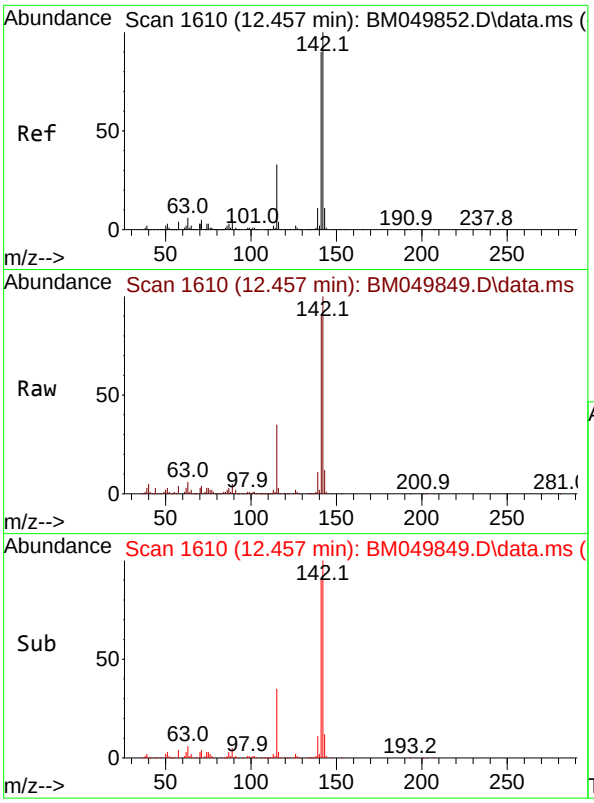


#37
2-Methylnaphthalene
Concen: 4.718 ng
RT: 12.239 min Scan# 1573
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:142 Resp: 187208

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

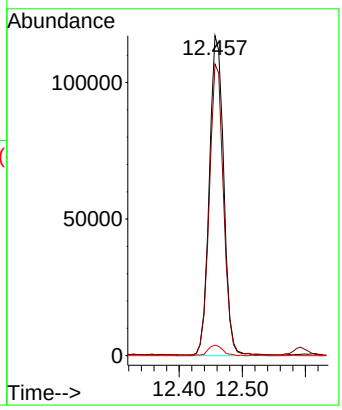




#38
1-Methylnaphthalene
Concen: 4.820 ng
RT: 12.457 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:142 Resp: 18633

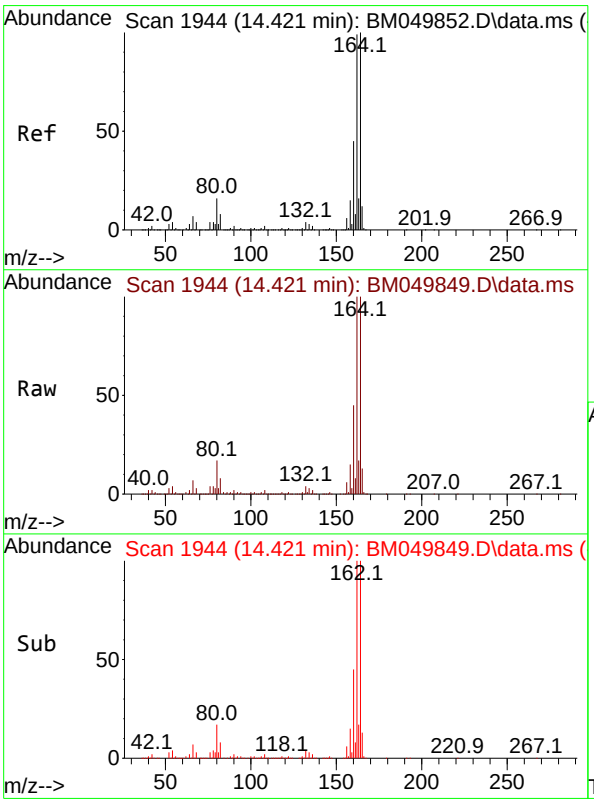
Ion	Ratio	Lower	Upper
142	100		
141	91.1	72.2	108.2
116	3.3	2.9	4.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

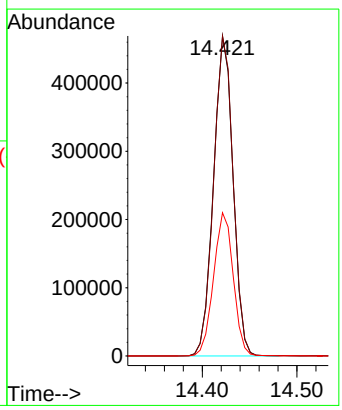
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

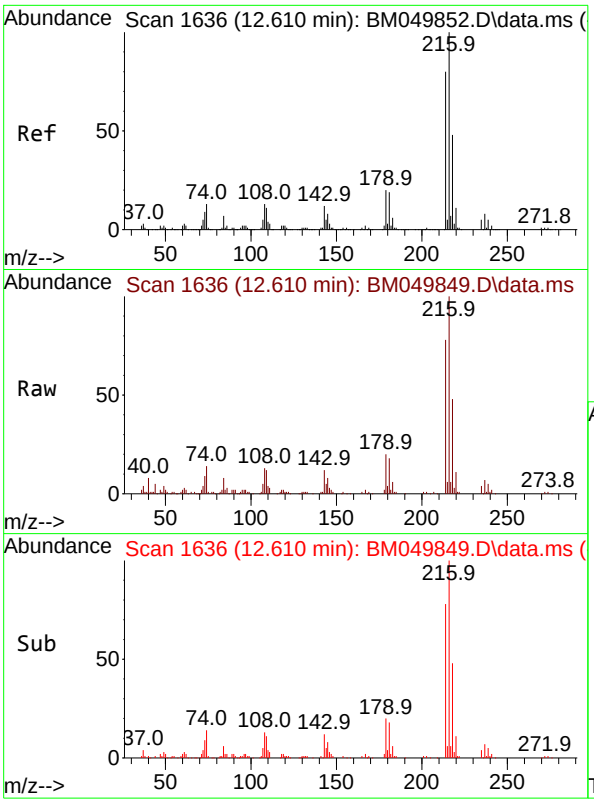


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.421 min Scan# 1944
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:164 Resp: 671126

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

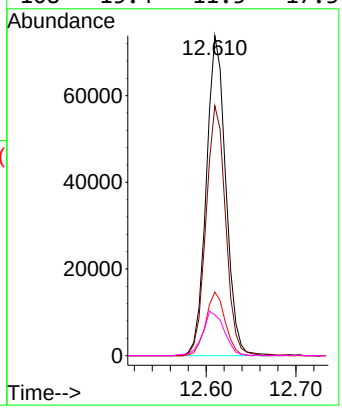




#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.745 ng
RT: 12.610 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:216 Resp: 11141

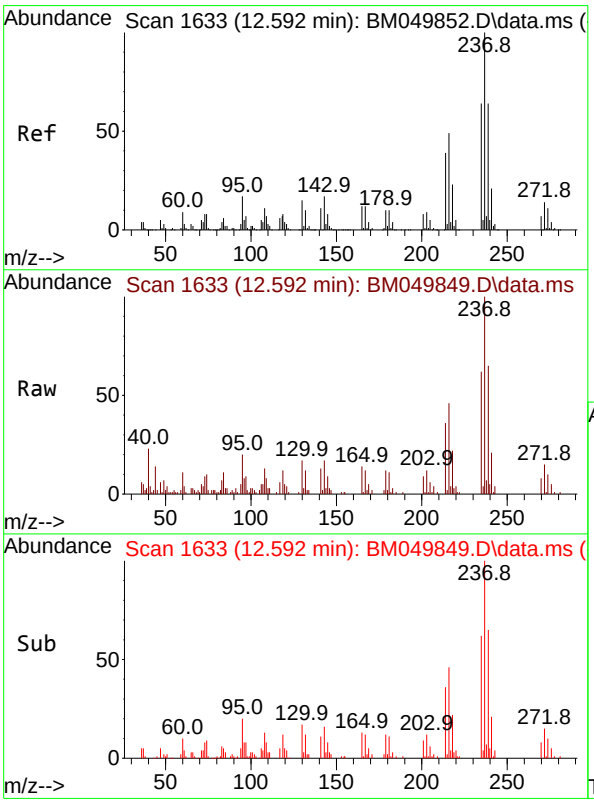
Ion	Ratio	Lower	Upper
216	100		
214	78.1	63.2	94.8
179	19.8	15.8	23.6
108	15.4	11.5	17.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

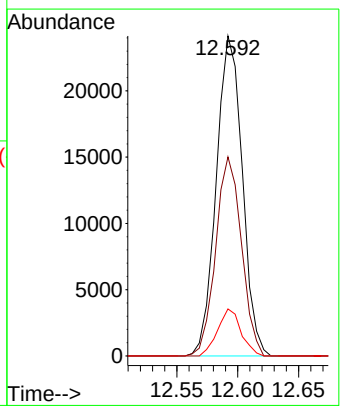
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

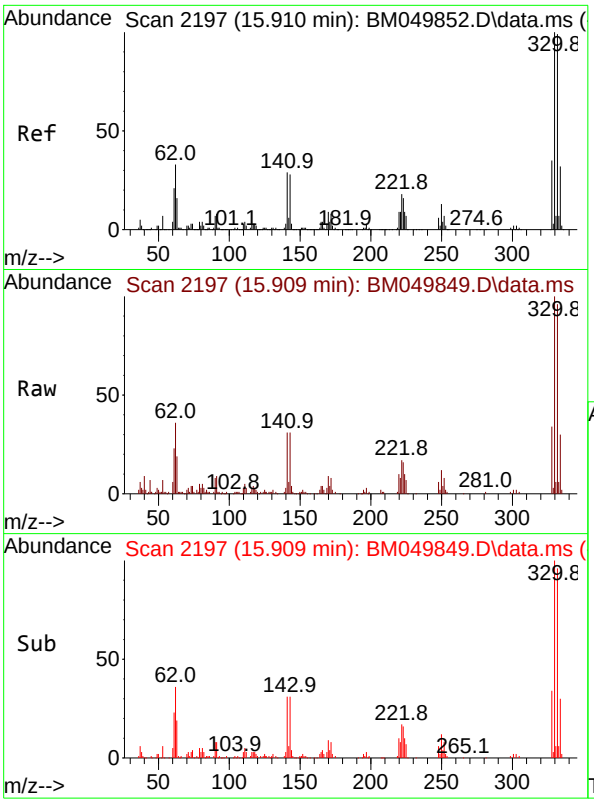


#41
Hexachlorocyclopentadiene
Concen: 4.368 ng
RT: 12.592 min Scan# 1633
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:237 Resp: 35937

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

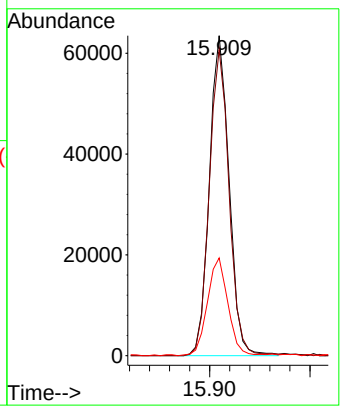




#42
2,4,6-Tribromophenol
Concen: 8.869 ng
RT: 15.909 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:330 Resp: 8657

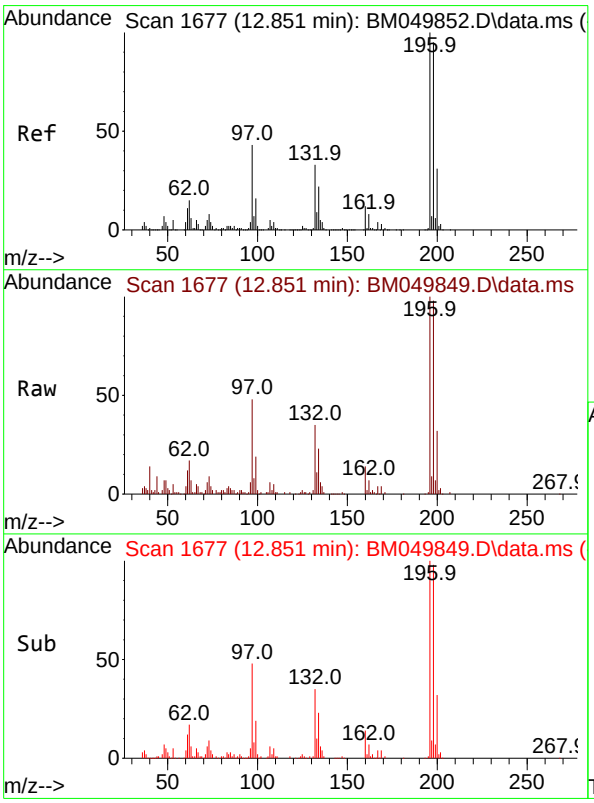
Ion	Ratio	Lower	Upper
330	100		
332	96.5	78.0	117.0
141	31.9	23.5	35.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

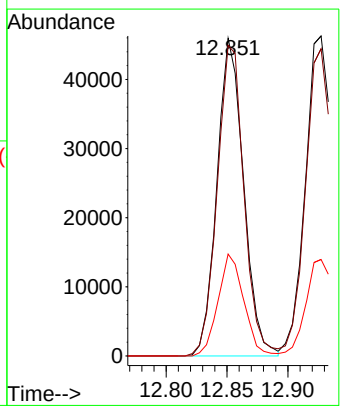
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

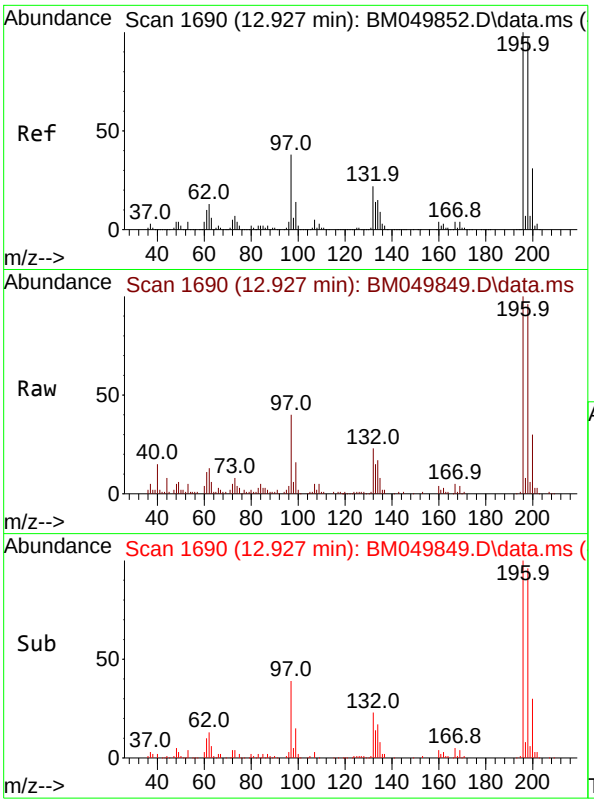


#43
2,4,6-Trichlorophenol
Concen: 4.681 ng
RT: 12.851 min Scan# 1677
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:196 Resp: 69935

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

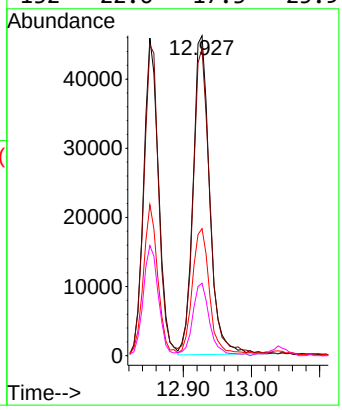




#44
2,4,5-Trichlorophenol
Concen: 4.805 ng
RT: 12.927 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:196 Resp: 7801

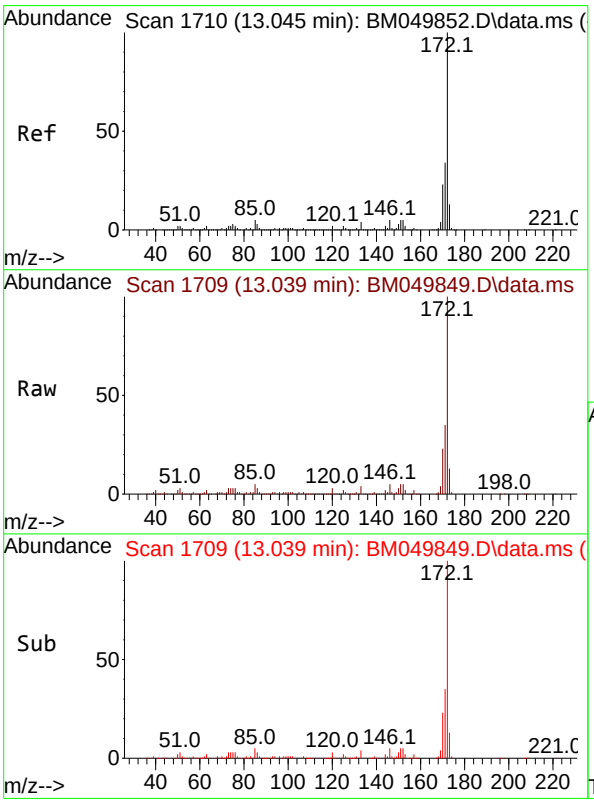
Ion	Ratio	Lower	Upper
196	100		
198	96.0	77.7	116.5
97	39.7	30.3	45.5
132	22.6	17.3	25.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

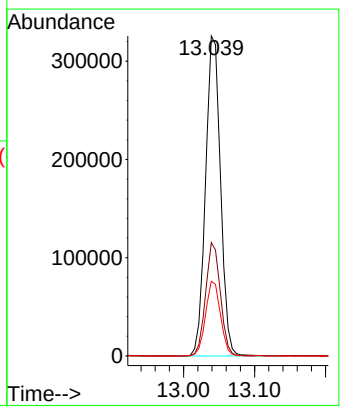
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

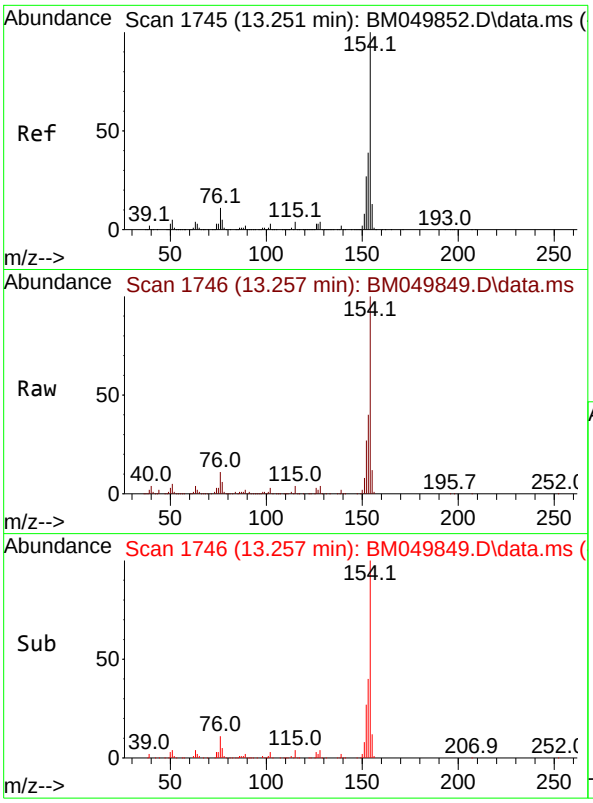


#45
2-Fluorobiphenyl
Concen: 9.661 ng
RT: 13.039 min Scan# 1709
Delta R.T. -0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:172 Resp: 478149

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

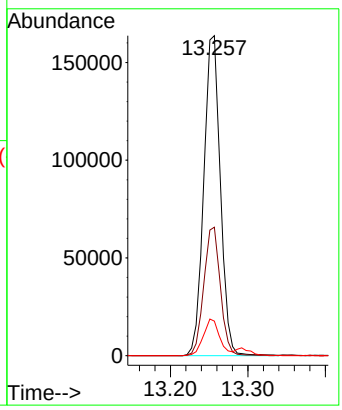




#46
1,1'-Biphenyl
Concen: 4.880 ng
RT: 13.257 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:154 Resp: 24344

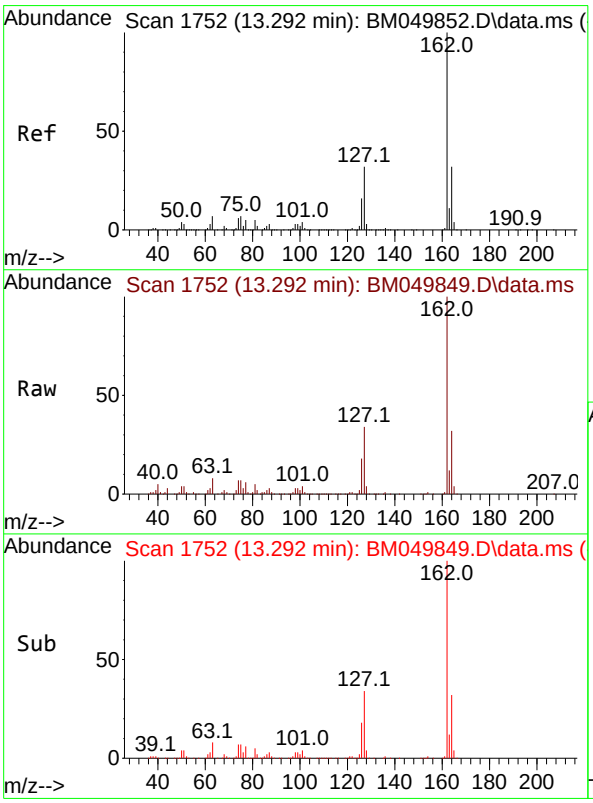
Ion	Ratio	Lower	Upper
154	100		
153	40.1	19.3	59.3
76	10.8	0.0	30.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

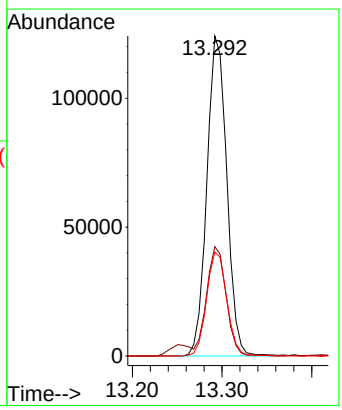
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

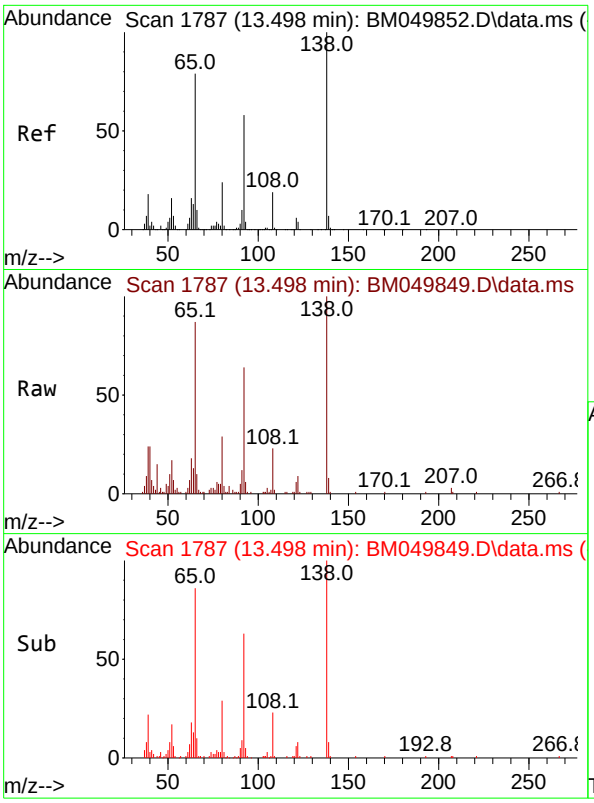


#47
2-Chloronaphthalene
Concen: 4.879 ng
RT: 13.292 min Scan# 1752
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:162 Resp: 191299

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

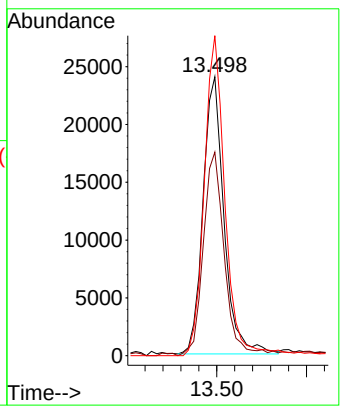




#48
2-Nitroaniline
Concen: 4.285 ng
RT: 13.498 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 65 Resp: 3887

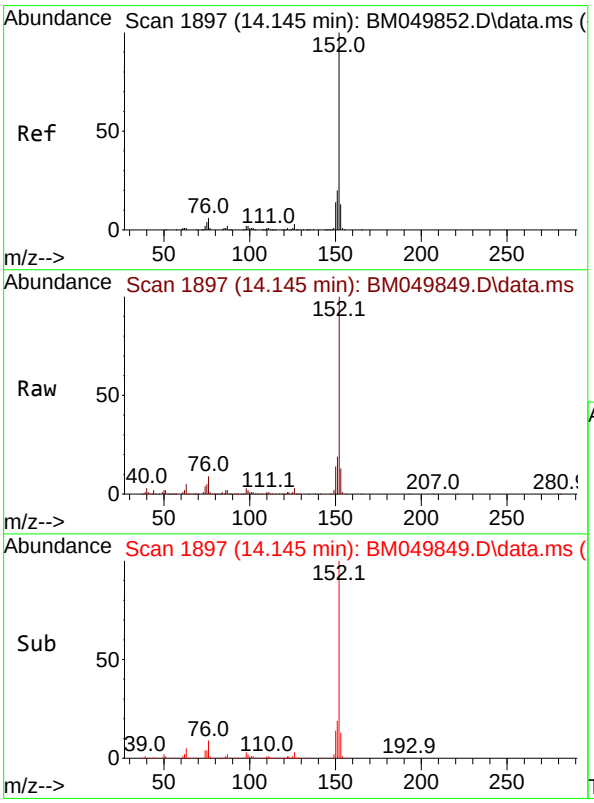
Ion	Ratio	Lower	Upper
65	100		
92	73.0	58.4	87.6
138	114.8	100.8	151.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

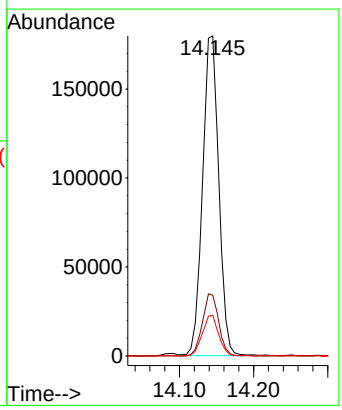
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

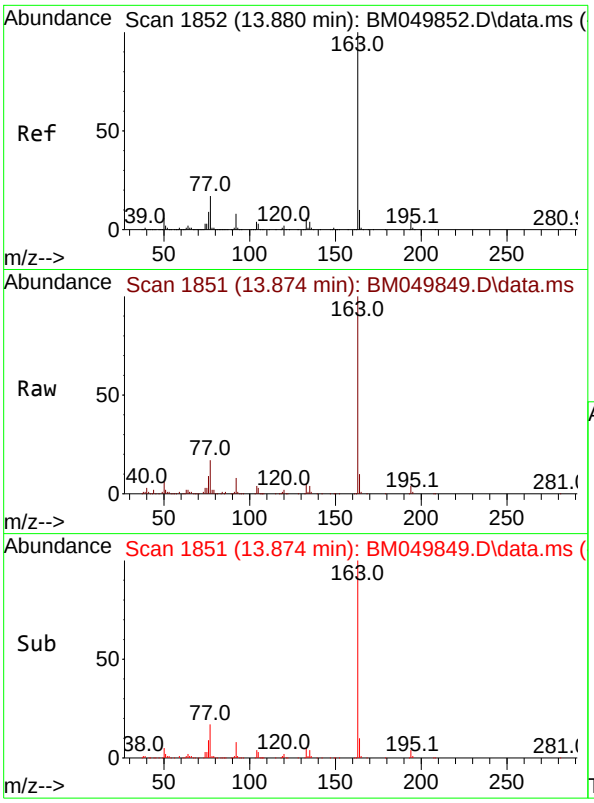


#49
Acenaphthylene
Concen: 4.779 ng
RT: 14.145 min Scan# 1897
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:152 Resp: 272990

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

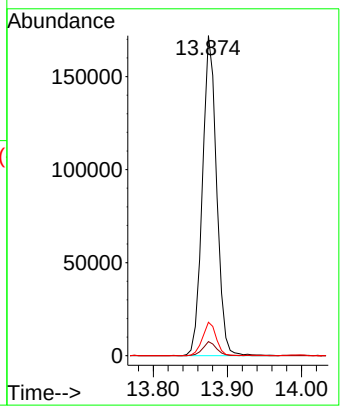




#50
Dimethylphthalate
Concen: 4.841 ng
RT: 13.874 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:163 Resp: 22920

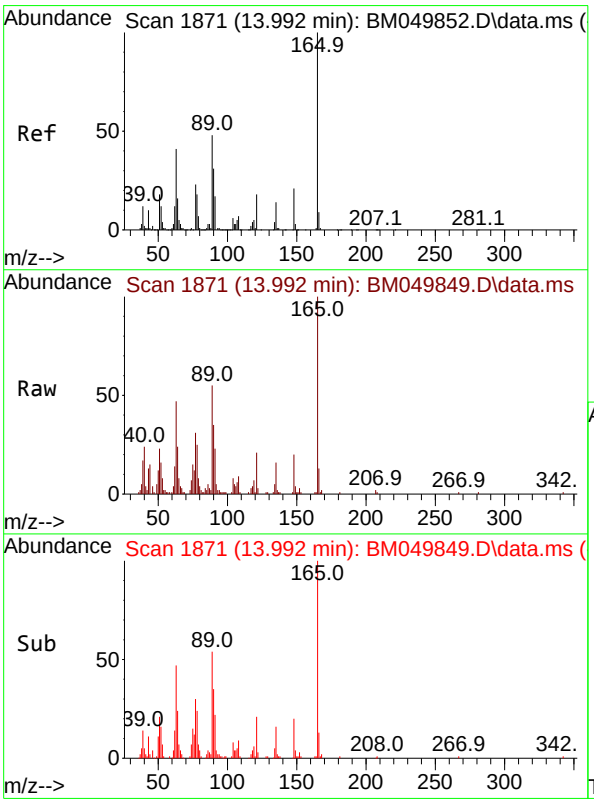
Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.5	5.3
164	10.5	7.9	11.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

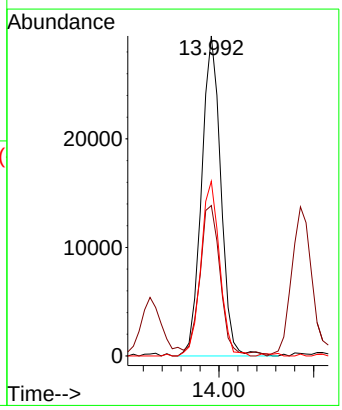
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

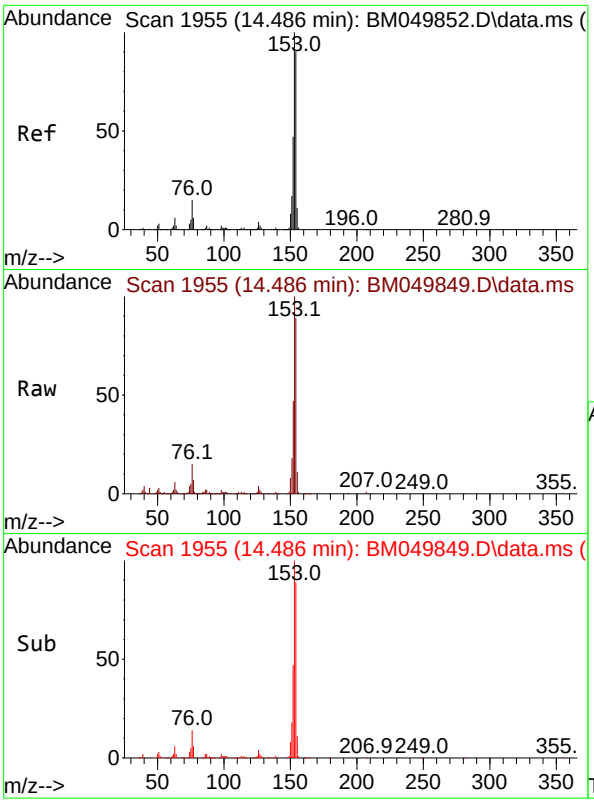


#51
2,6-Dinitrotoluene
Concen: 4.205 ng
RT: 13.992 min Scan# 1871
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:165 Resp: 41712

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

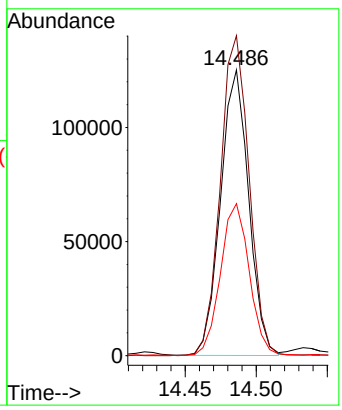




#52
Acenaphthene
Concen: 4.744 ng
RT: 14.486 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:154 Resp: 17236

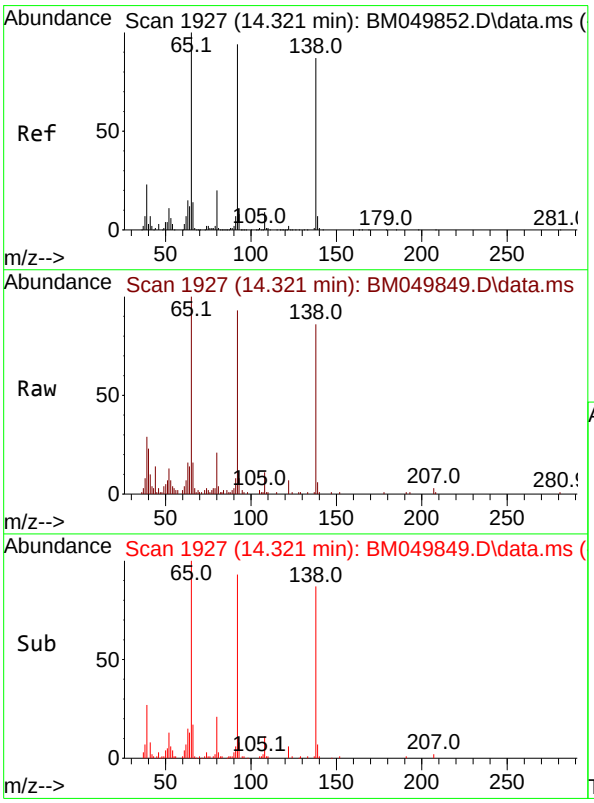
Ion	Ratio	Lower	Upper
154	100		
153	112.0	89.3	133.9
152	53.2	42.2	63.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

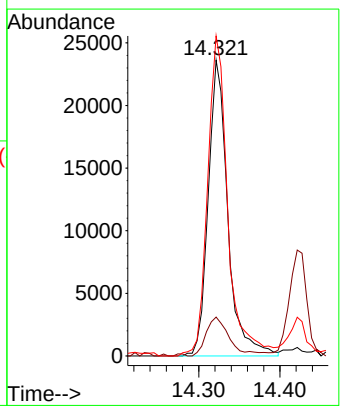
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

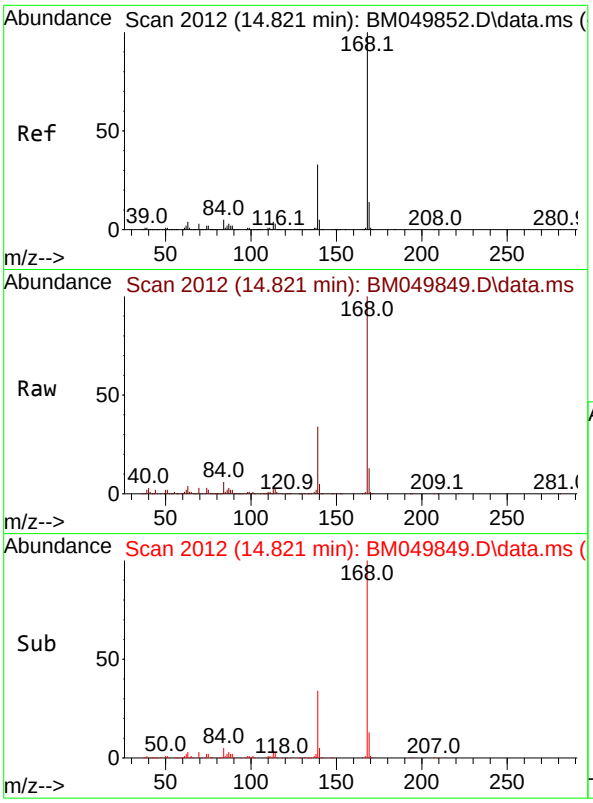


#53
3-Nitroaniline
Concen: 4.133 ng
RT: 14.321 min Scan# 1927
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:138 Resp: 39627

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





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

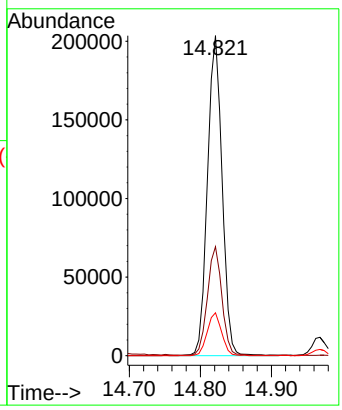
Tgt Ion:168 Resp: 29151

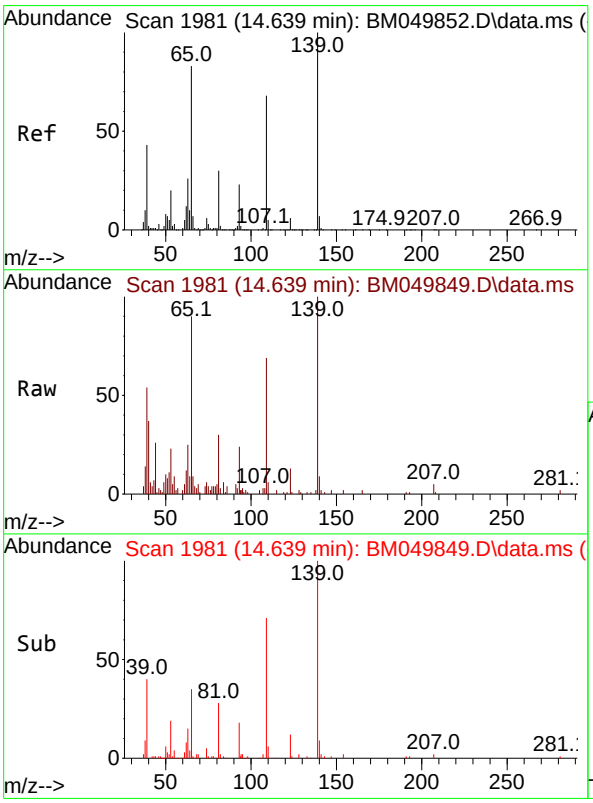
Ion	Ratio	Lower	Upper
168	100		
139	34.1	26.6	39.8
169	13.4	11.0	16.4

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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

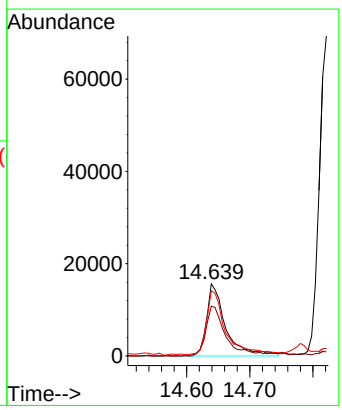


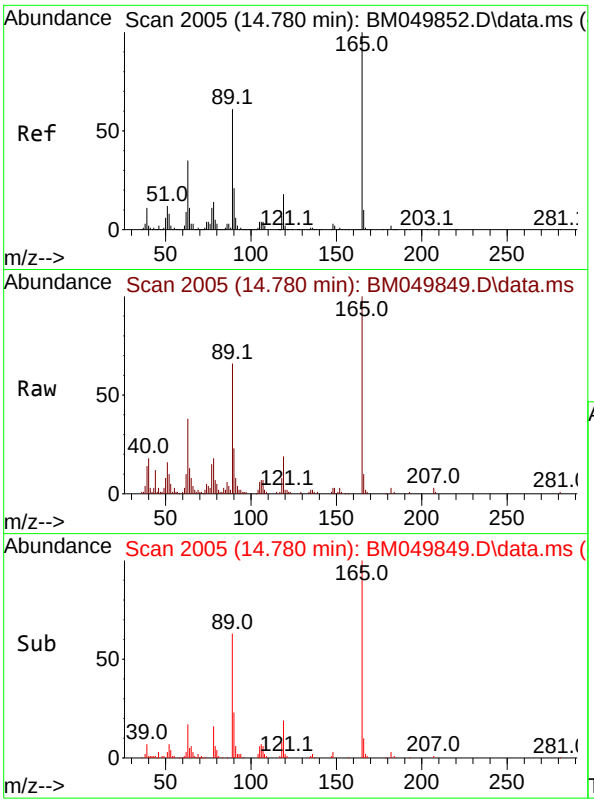


#56
4-Nitrophenol
Concen: 3.826 ng
RT: 14.639 min Scan# 1981
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:139 Resp: 32685

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

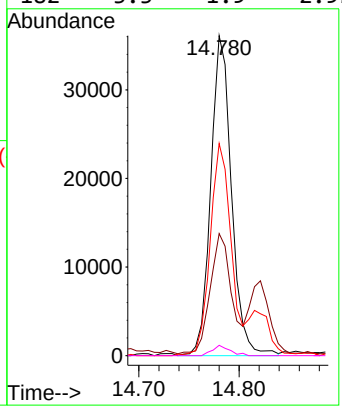




#57
2,4-Dinitrotoluene
Concen: 3.920 ng
RT: 14.780 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:165 Resp: 5188

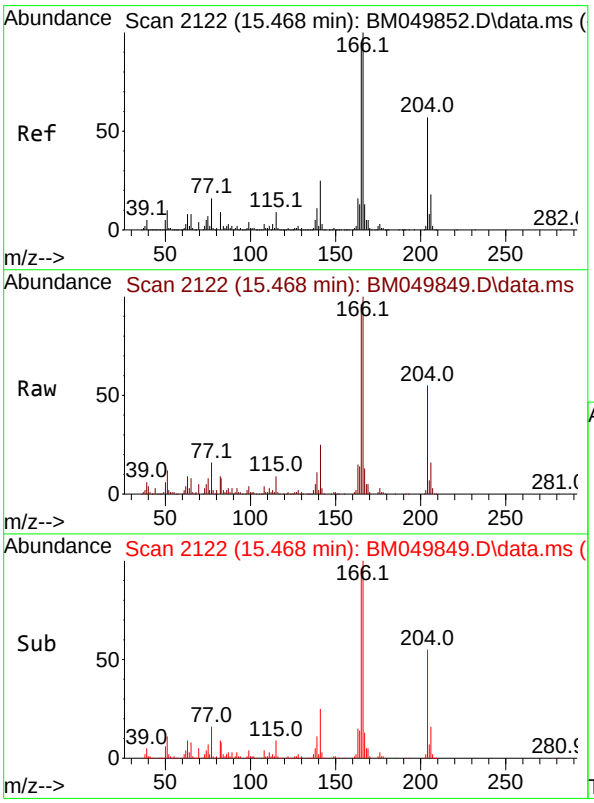
Ion	Ratio	Lower	Upper
165	100		
63	38.2	28.6	42.8
89	66.3	49.0	73.6
182	3.3	1.9	2.9#



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

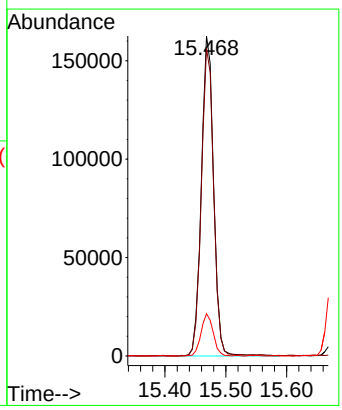
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

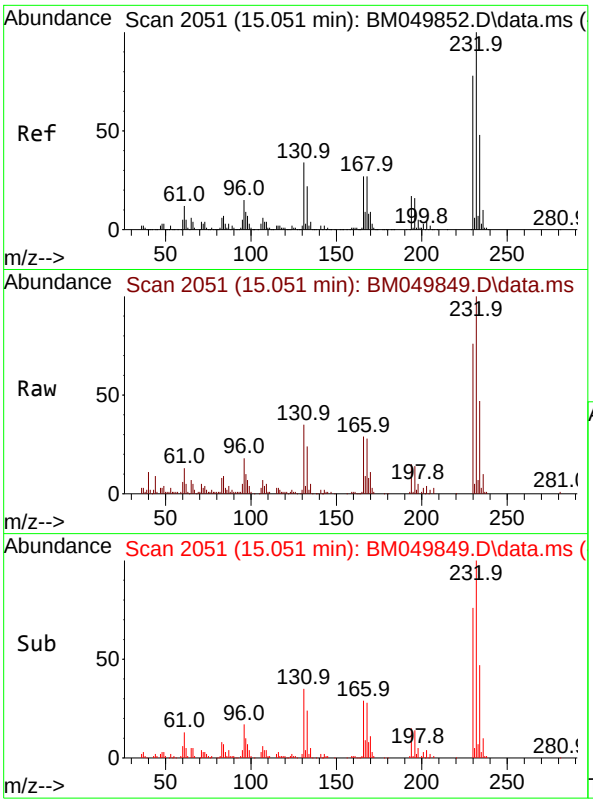


#58
Fluorene
Concen: 4.706 ng
RT: 15.468 min Scan# 2122
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:166 Resp: 227189

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

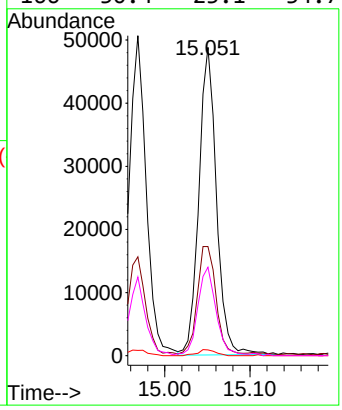




#59
2,3,4,6-Tetrachlorophenol
Concen: 4.924 ng
RT: 15.051 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:232 Resp: 7006

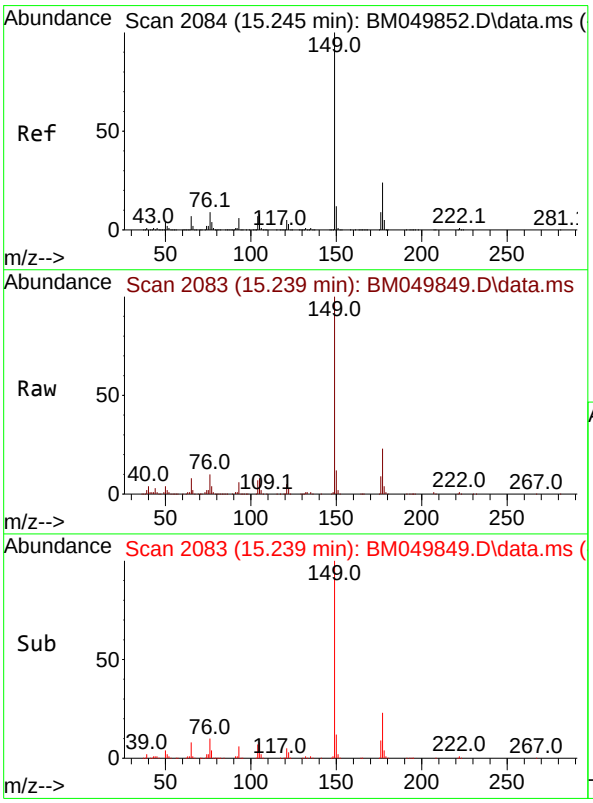
Ion	Ratio	Lower	Upper
232	100		
131	36.7	28.4	42.6
130	2.0	1.6	2.4
166	30.4	23.1	34.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

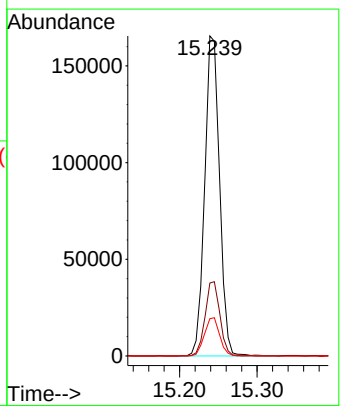
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

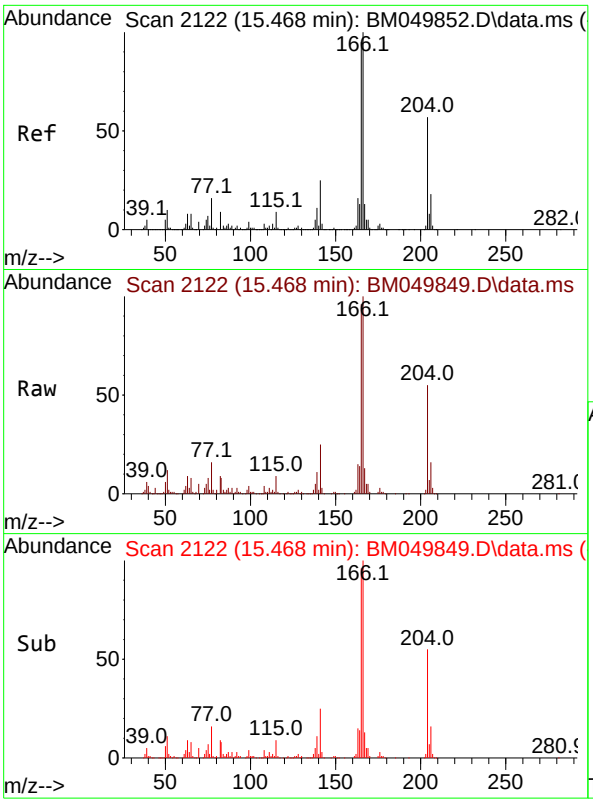


#60
Diethylphthalate
Concen: 4.846 ng
RT: 15.239 min Scan# 2083
Delta R.T. -0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:149 Resp: 220014

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

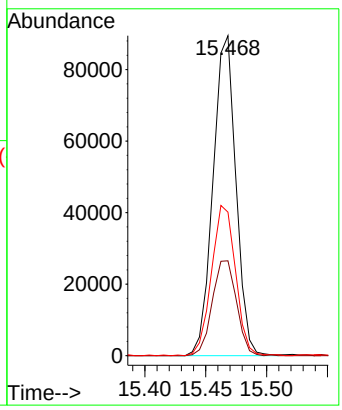




#61
4-Chlorophenyl-phenylether
Concen: 4.529 ng
RT: 15.468 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:204 Resp: 11723

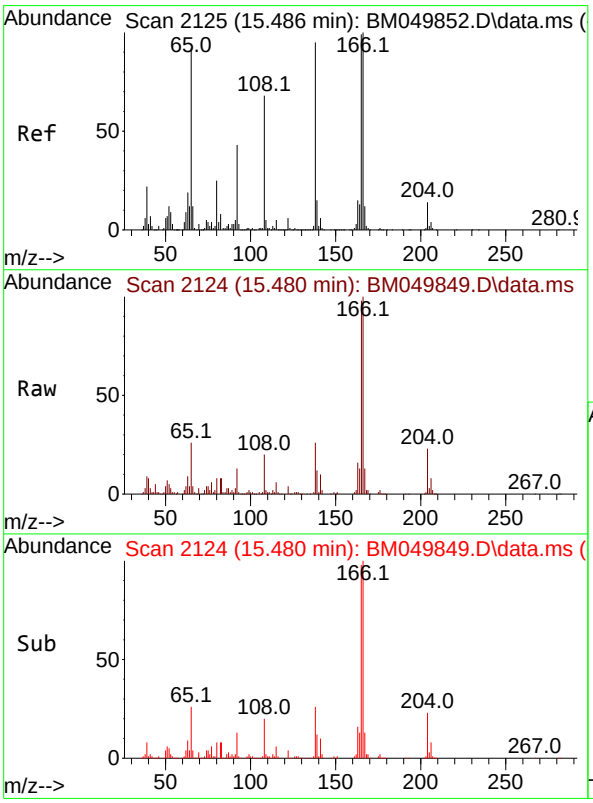
Ion	Ratio	Lower	Upper
204	100		
206	29.7	26.2	39.2
141	44.9	35.0	52.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

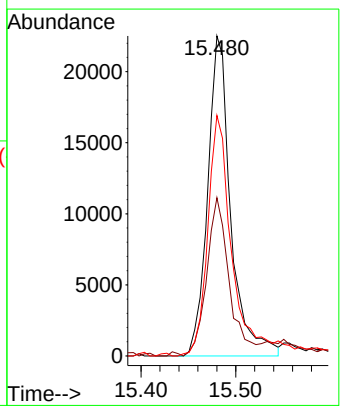
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

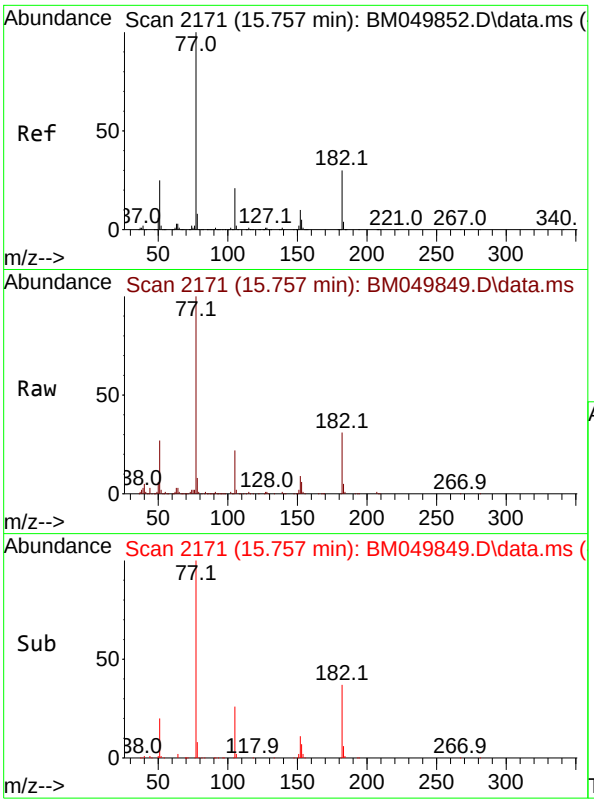


#62
4-Nitroaniline
Concen: 3.843 ng
RT: 15.480 min Scan# 2124
Delta R.T. -0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:138 Resp: 38105

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

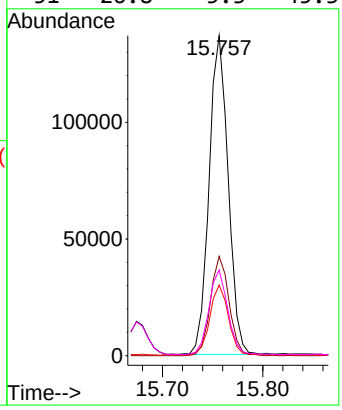




#63
Azobenzene
Concen: 4.650 ng
RT: 15.757 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 77 Resp: 18075

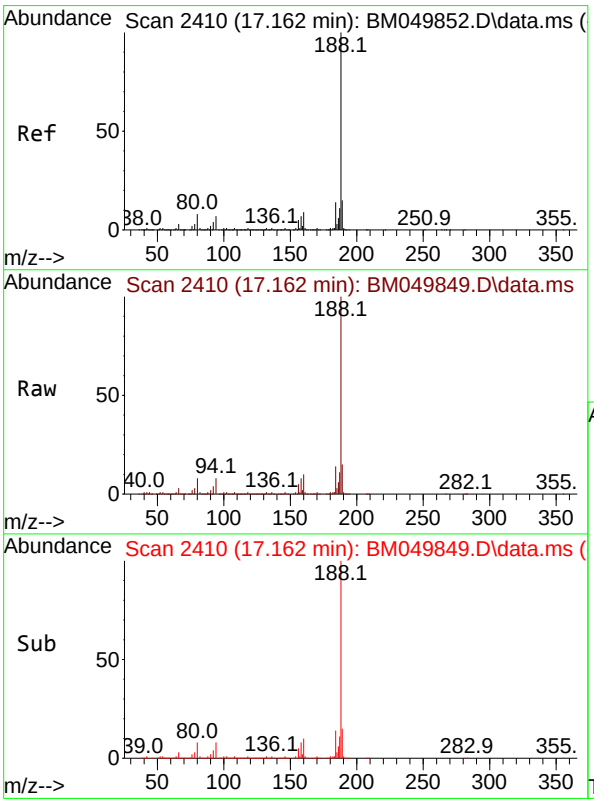
Ion	Ratio	Lower	Upper
77	100		
182	31.1	10.4	50.4
105	22.1	1.5	41.5
51	26.8	5.3	45.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

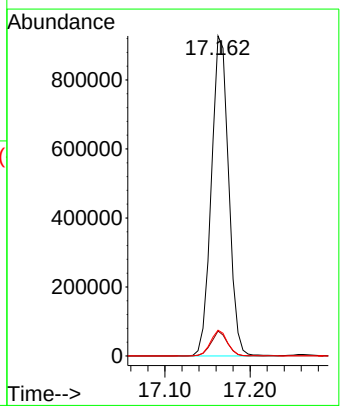
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

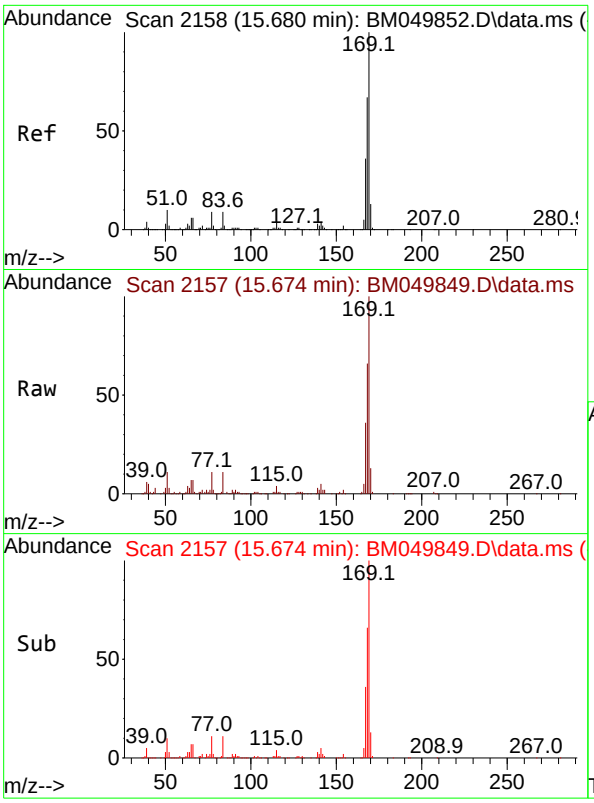


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.162 min Scan# 2410
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:188 Resp: 1305854

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

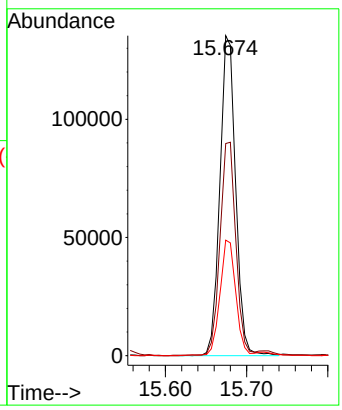




#66
n-Nitrosodiphenylamine
Concen: 4.686 ng
RT: 15.674 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:169 Resp: 18313

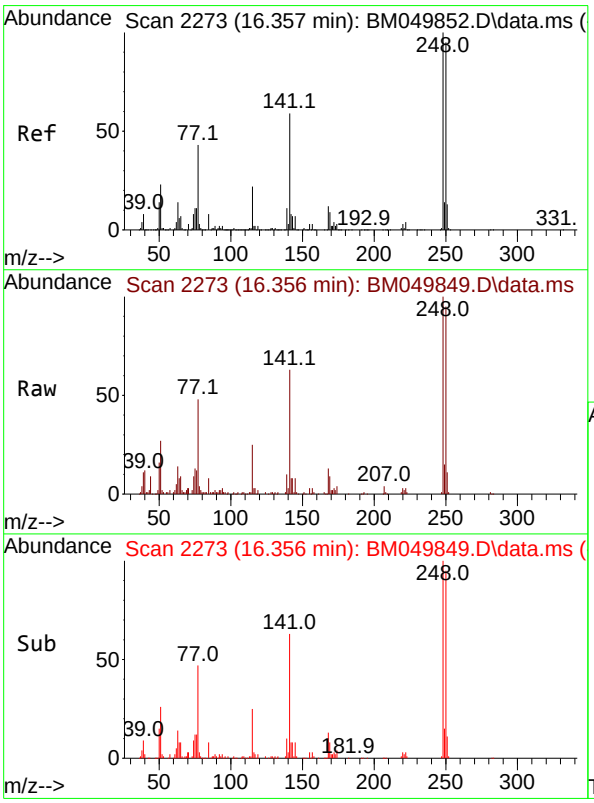
Ion	Ratio	Lower	Upper
169	100		
168	66.3	53.4	80.2
167	36.1	29.0	43.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

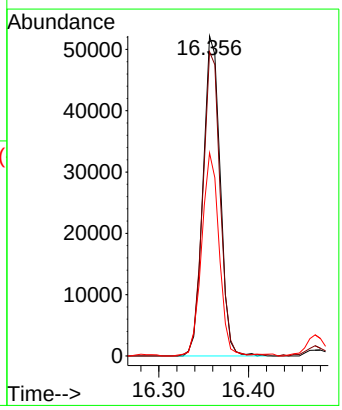
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

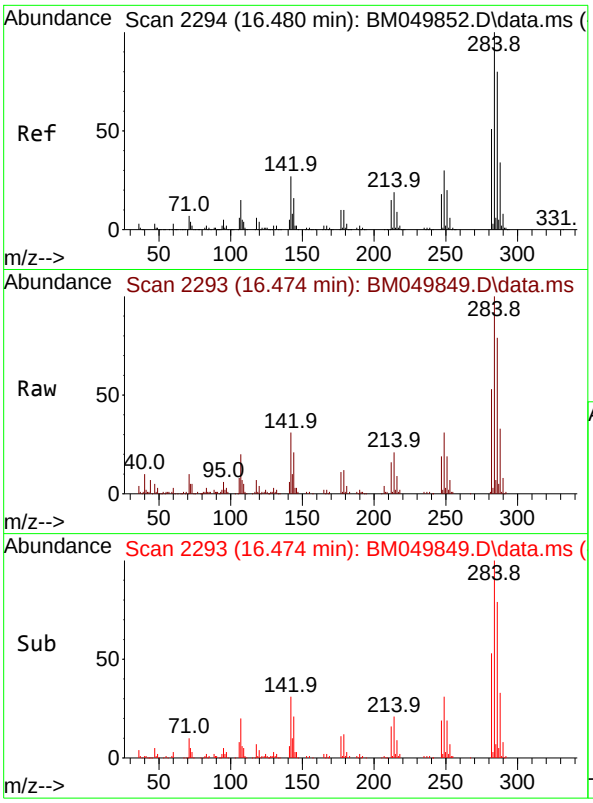


#67
4-Bromophenyl-phenylether
Concen: 4.564 ng
RT: 16.356 min Scan# 2273
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:248 Resp: 69182

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





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

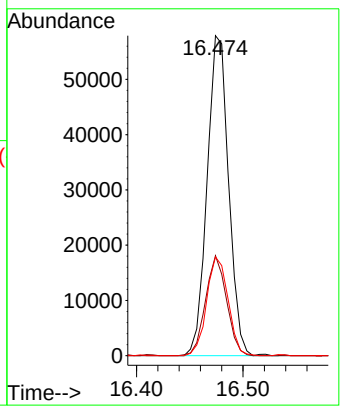
Instrument :
BNA_M
ClientSampleId :
SSTDICC005

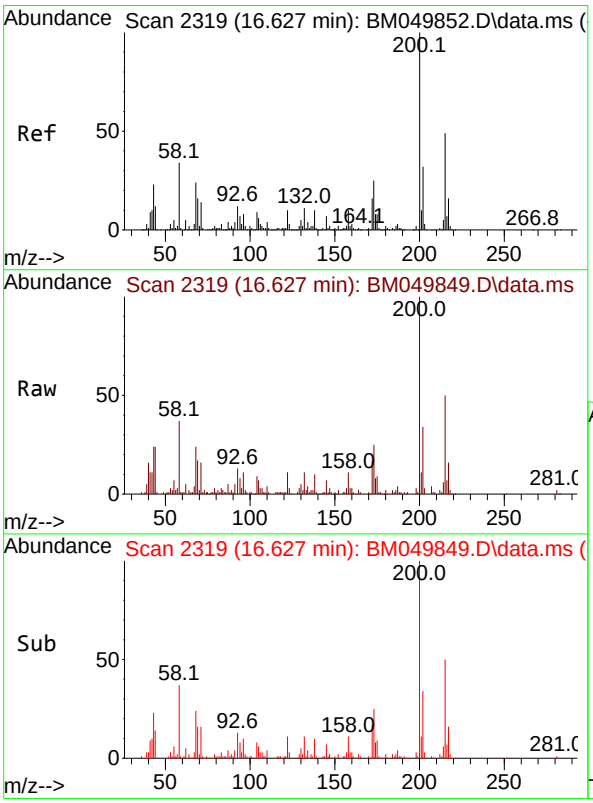
Tgt Ion:284 Resp: 8118

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

Manual Integrations
APPROVED

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

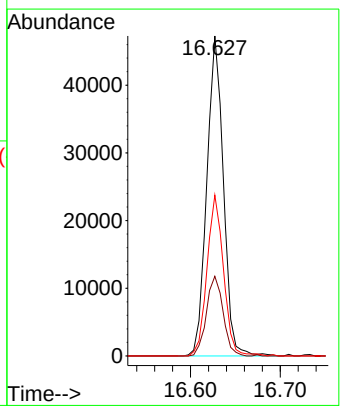


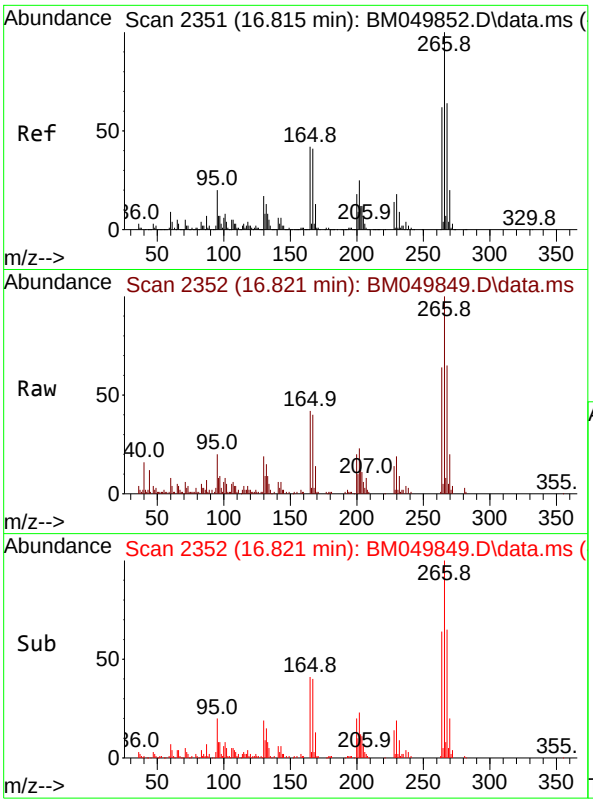


#69
Atrazine
Concen: 5.993 ng
RT: 16.627 min Scan# 2319
Delta R.T. 0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:200 Resp: 60729

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

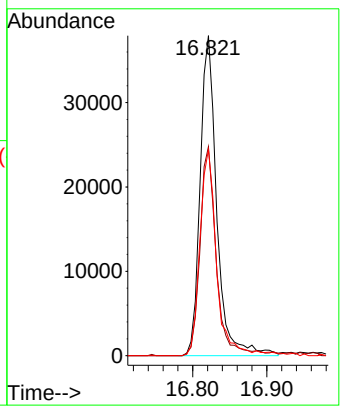




#70
Pentachlorophenol
Concen: 4.615 ng
RT: 16.821 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:266 Resp: 5908

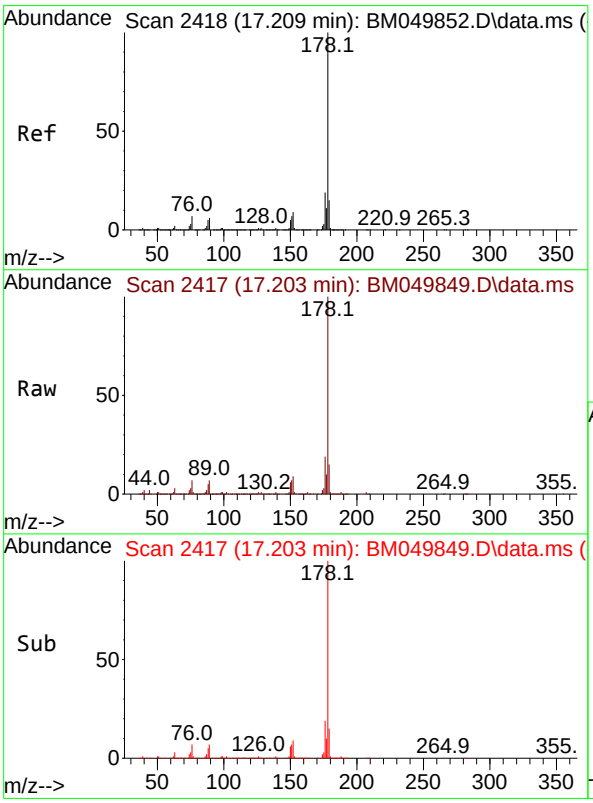
Ion	Ratio	Lower	Upper
266	100		
268	65.3	51.4	77.2
264	64.5	49.8	74.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

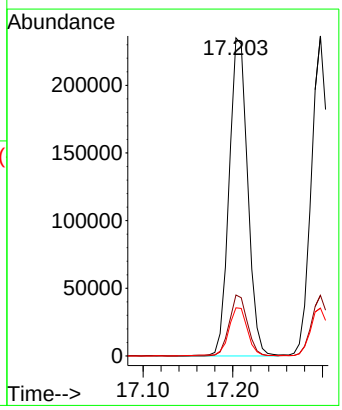
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

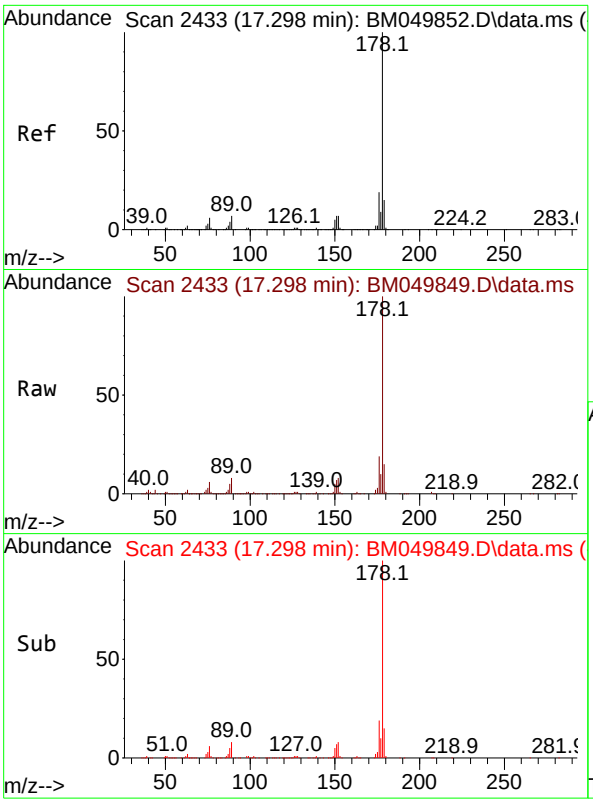


#71
Phenanthrene
Concen: 4.703 ng
RT: 17.203 min Scan# 2417
Delta R.T. -0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:178 Resp: 336674

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

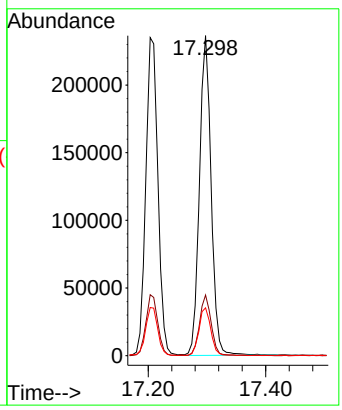




#72
Anthracene
Concen: 4.616 ng
RT: 17.298 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:178 Resp: 32563

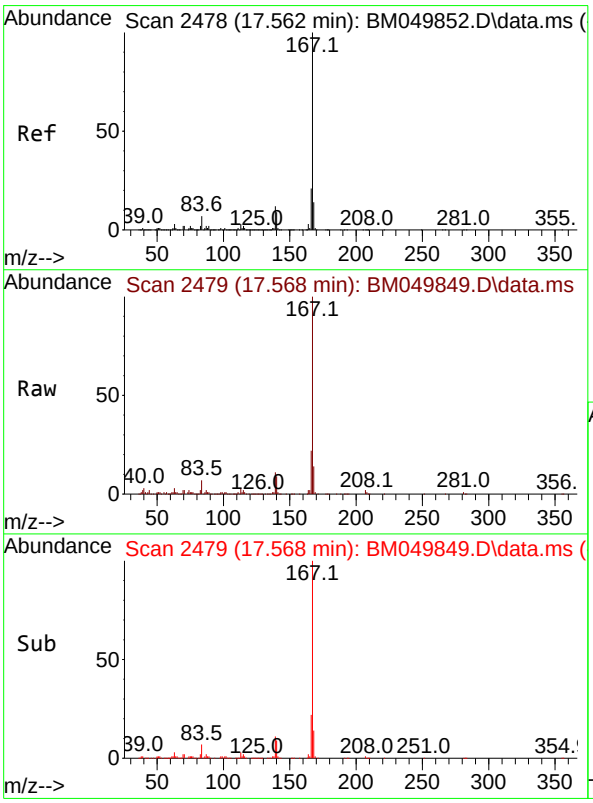
Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.1	22.7
179	14.9	12.4	18.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

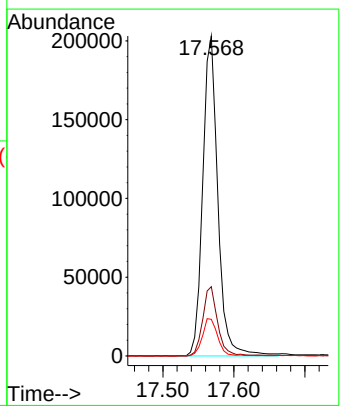
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

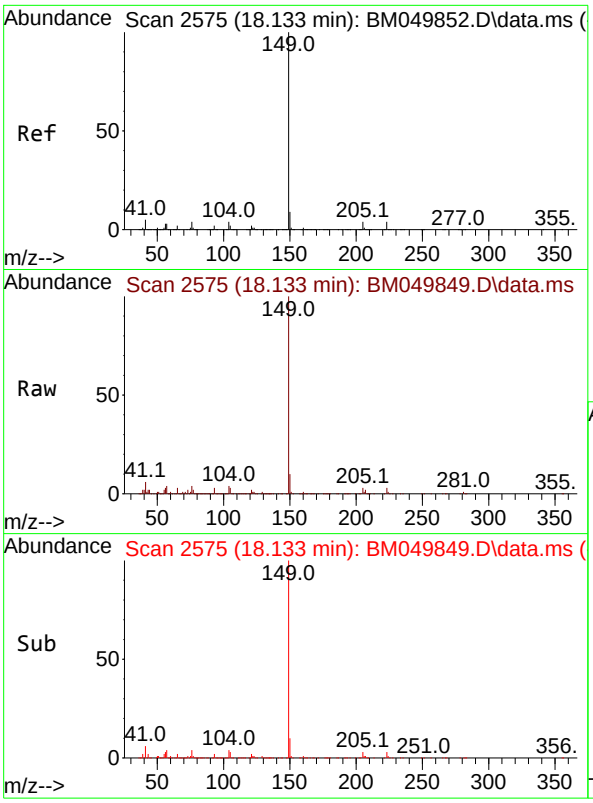


#73
Carbazole
Concen: 4.530 ng
RT: 17.568 min Scan# 2479
Delta R.T. 0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:167 Resp: 301001

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

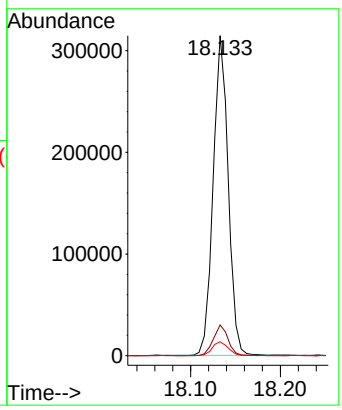




#74
Di-n-butylphthalate
Concen: 4.773 ng
RT: 18.133 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:149 Resp: 36535

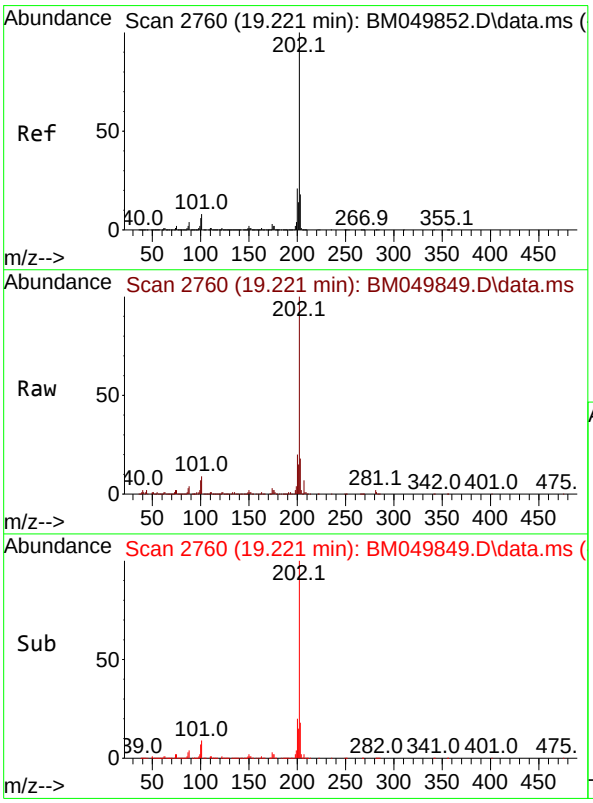
Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.5	11.3
104	4.3	3.5	5.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

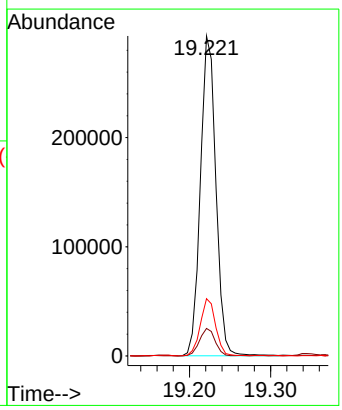
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

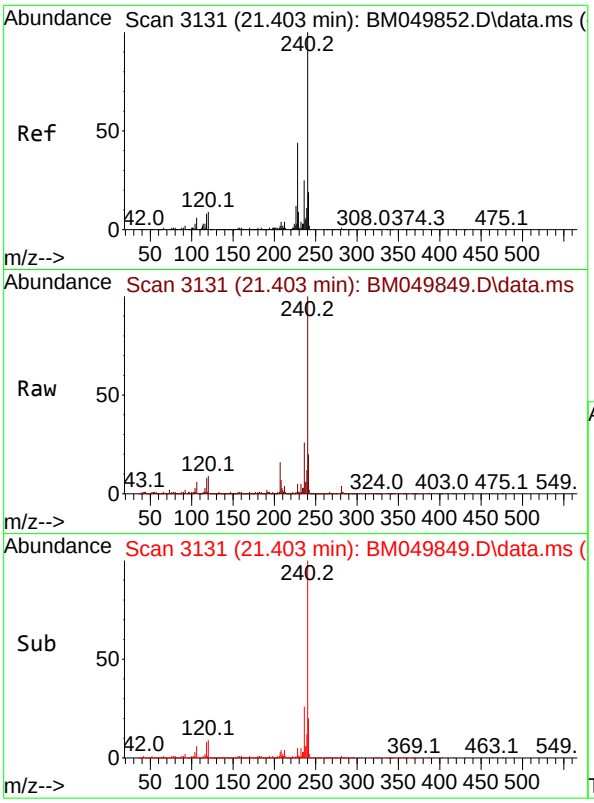


#75
Fluoranthene
Concen: 4.404 ng
RT: 19.221 min Scan# 2760
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:202 Resp: 387674

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

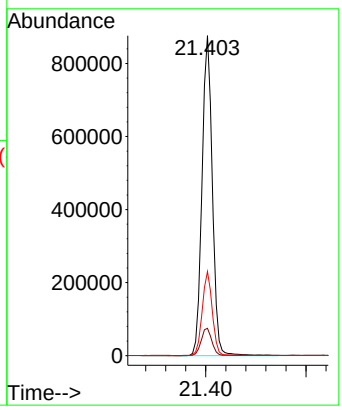




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:240 Resp: 125541

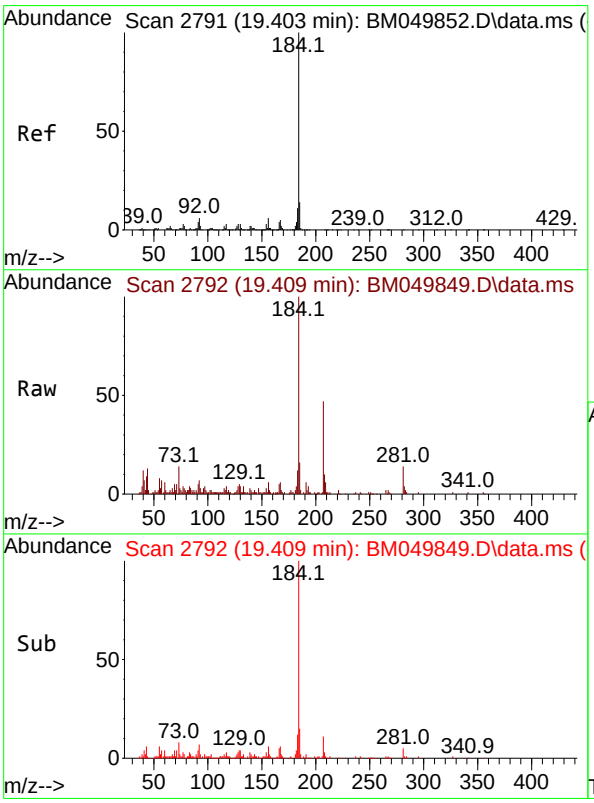
Ion	Ratio	Lower	Upper
240	100		
120	8.5	6.9	10.3
236	26.3	20.4	30.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

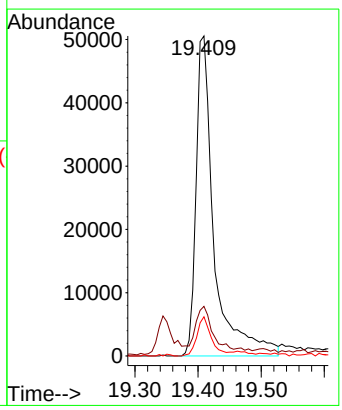
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

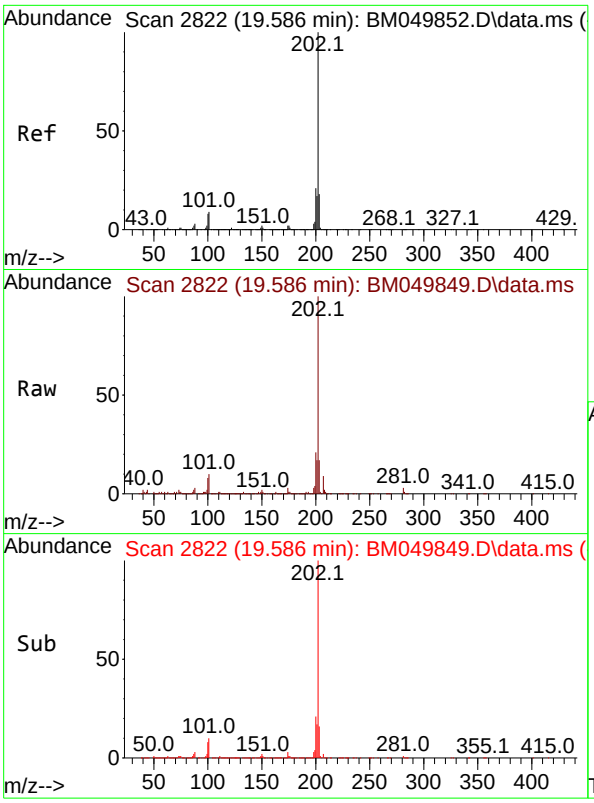


#77
Benzidine
Concen: 6.015 ng
RT: 19.409 min Scan# 2792
Delta R.T. 0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:184 Resp: 100183

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

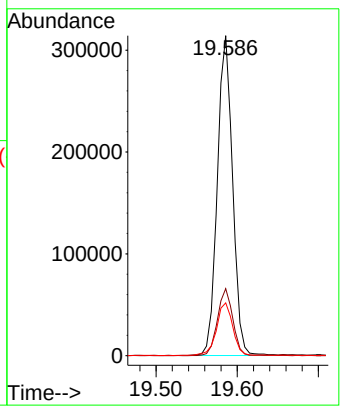




#78
Pyrene
Concen: 4.753 ng
RT: 19.586 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:202 Resp: 41123

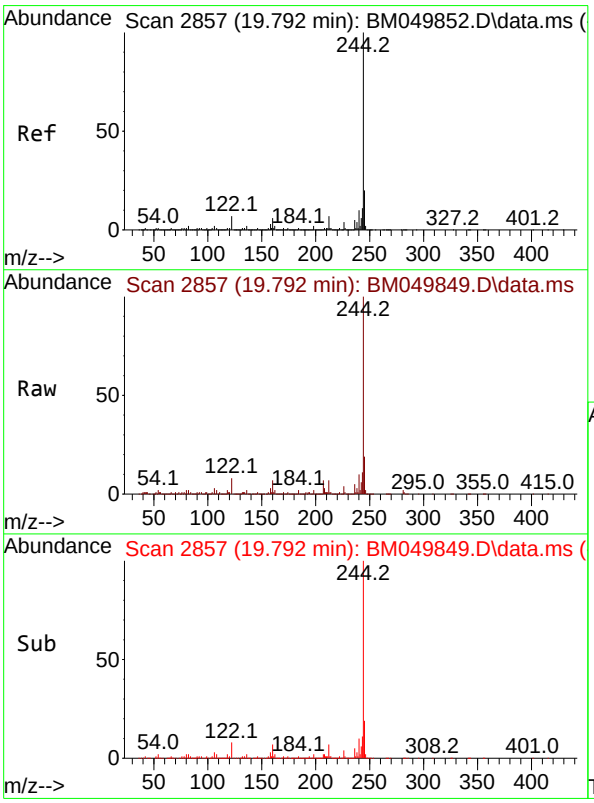
Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.5	24.7
203	16.5	14.0	21.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

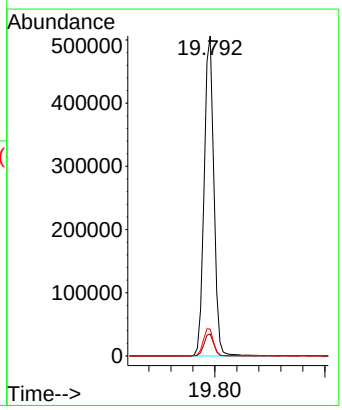
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

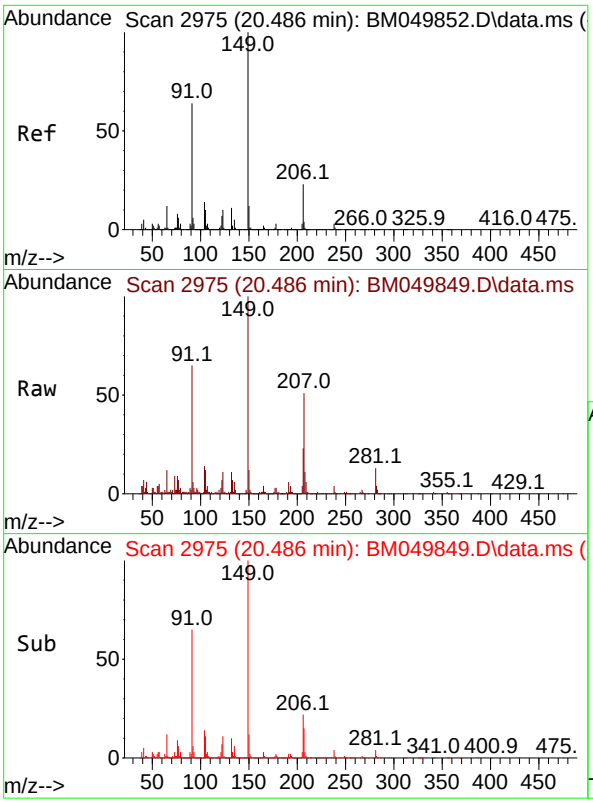


#79
Terphenyl-d14
Concen: 9.258 ng
RT: 19.792 min Scan# 2857
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:244 Resp: 620191

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

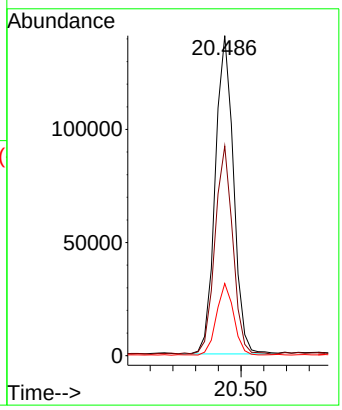




#80
Butylbenzylphthalate
Concen: 4.851 ng
RT: 20.486 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:149 Resp: 15769

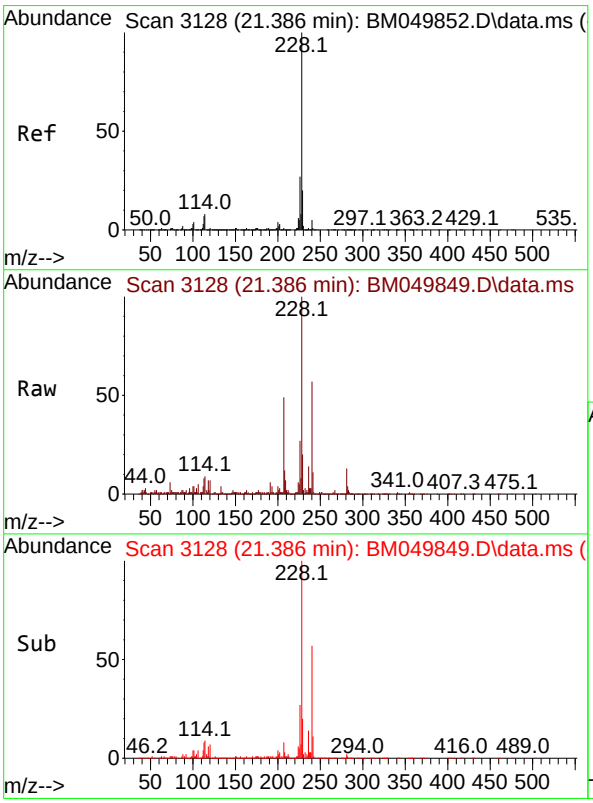
Ion	Ratio	Lower	Upper
149	100		
91	65.5	50.9	76.3
206	22.5	18.4	27.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

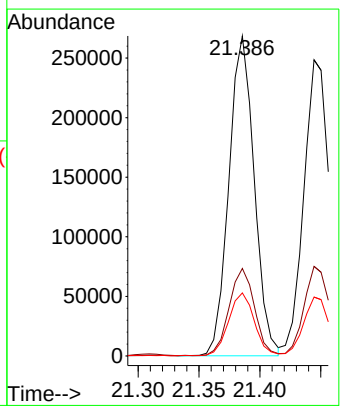
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

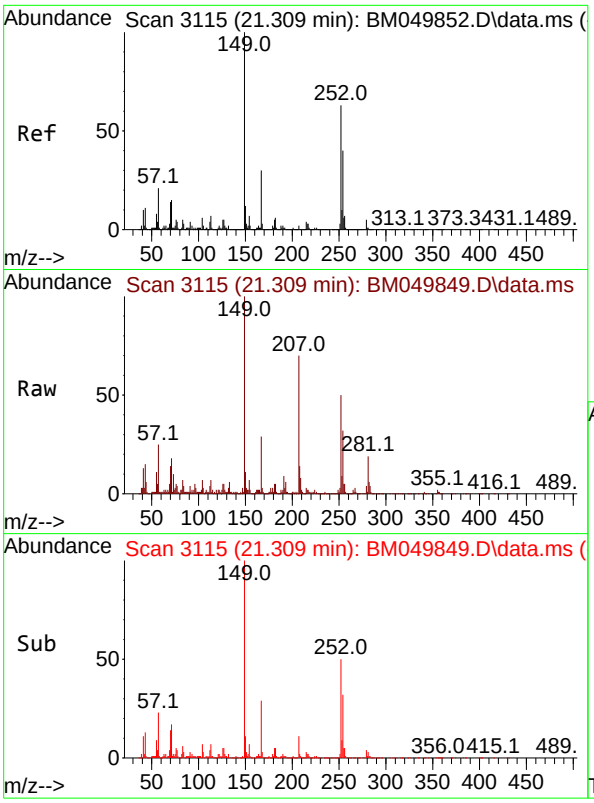


#81
Benzo(a)anthracene
Concen: 4.652 ng
RT: 21.386 min Scan# 3128
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:228 Resp: 388113

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





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

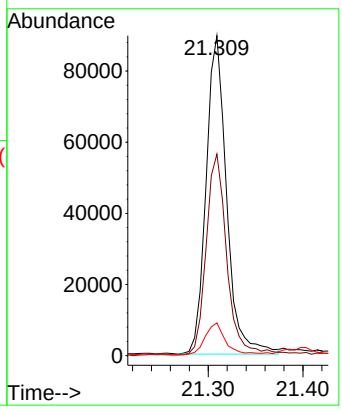
Tgt Ion:252 Resp: 13430

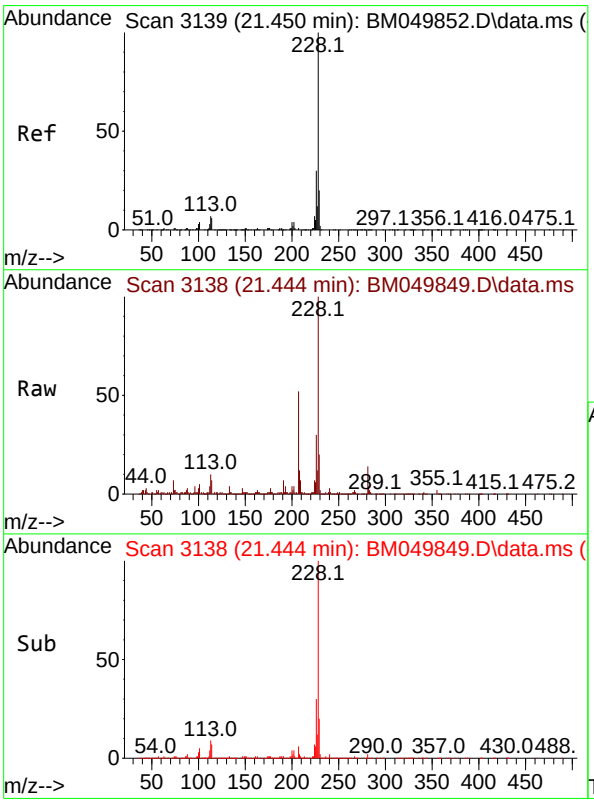
Ion	Ratio	Lower	Upper
252	100		
254	63.0	51.5	77.3
126	10.2	6.3	9.5

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

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

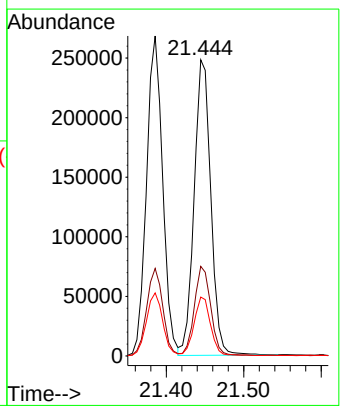


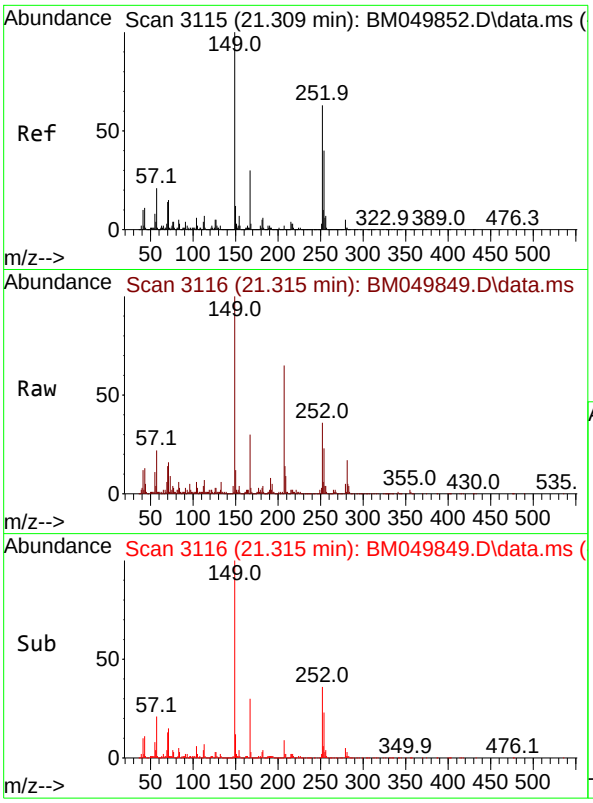


#83
Chrysene
Concen: 4.665 ng
RT: 21.444 min Scan# 3138
Delta R.T. -0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:228 Resp: 370038

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





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

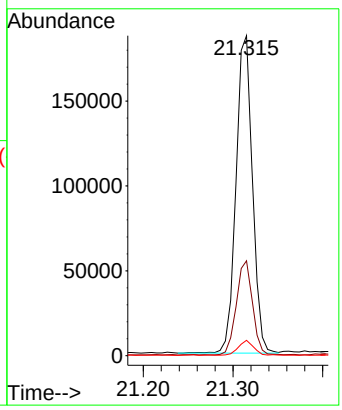
Tgt Ion:149 Resp: 23782

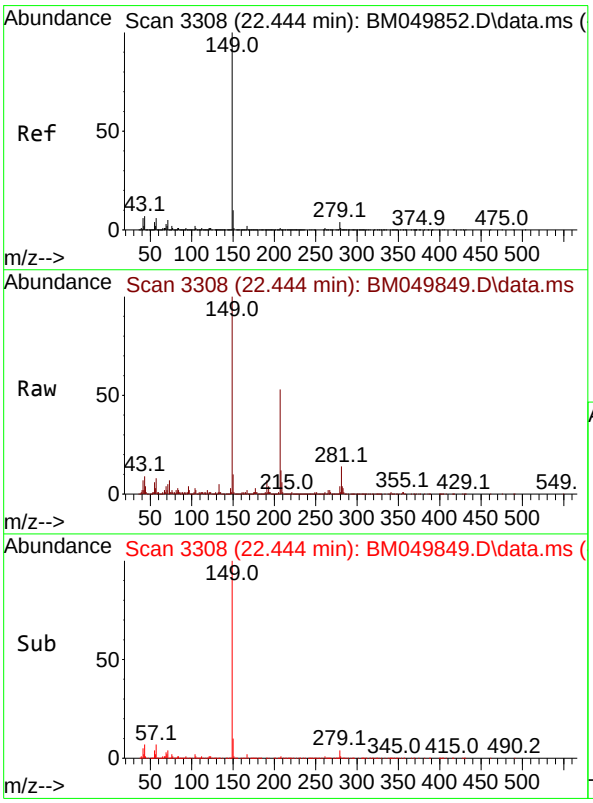
Ion	Ratio	Lower	Upper
149	100		
167	29.7	23.8	35.6
279	4.8	3.8	5.8

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

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

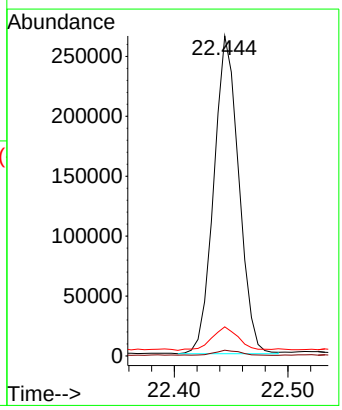


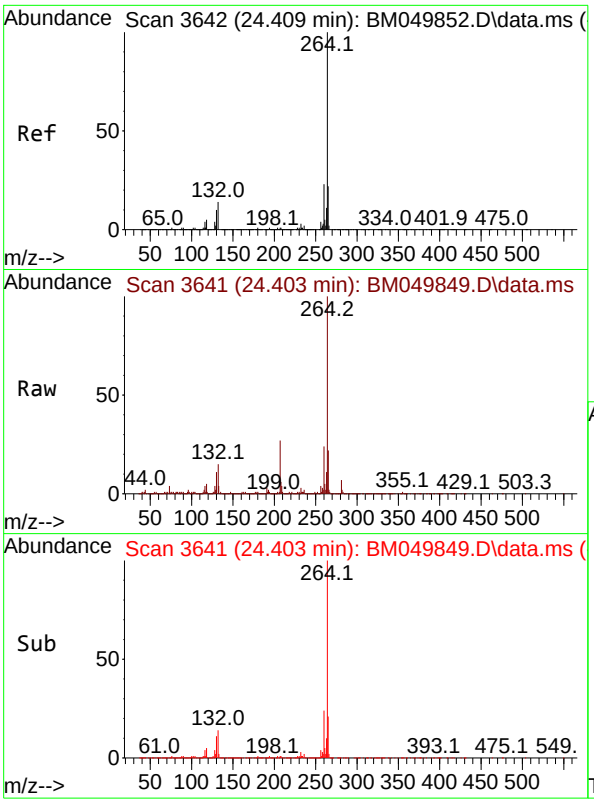


#85
Di-n-octyl phthalate
Concen: 4.889 ng
RT: 22.444 min Scan# 3308
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:149 Resp: 405083

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

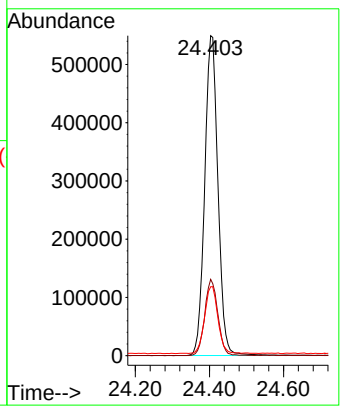




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.403 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:264 Resp: 136367

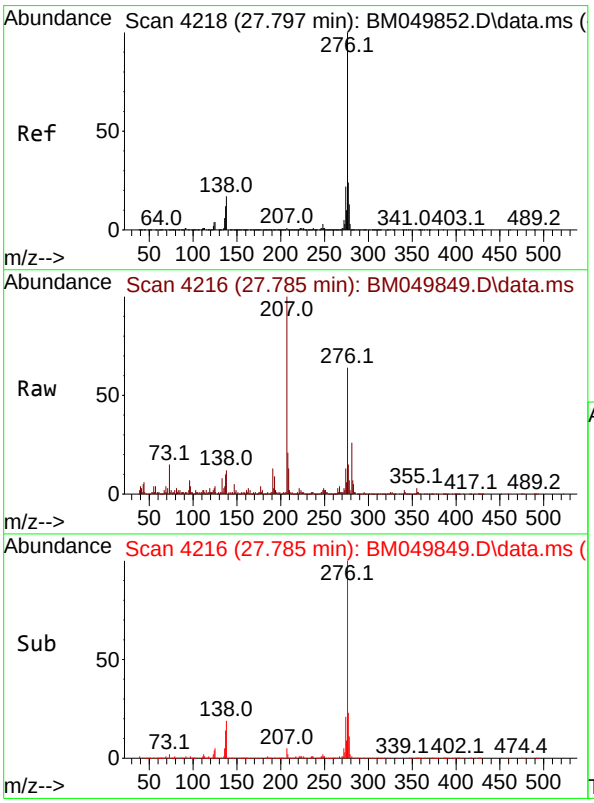
Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.6	28.0
265	21.6	17.8	26.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

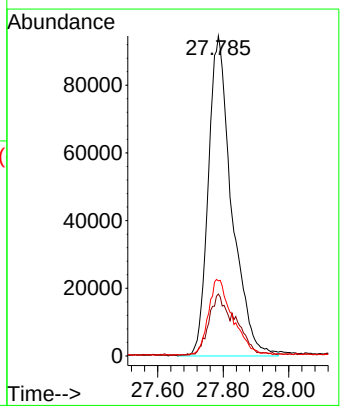
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

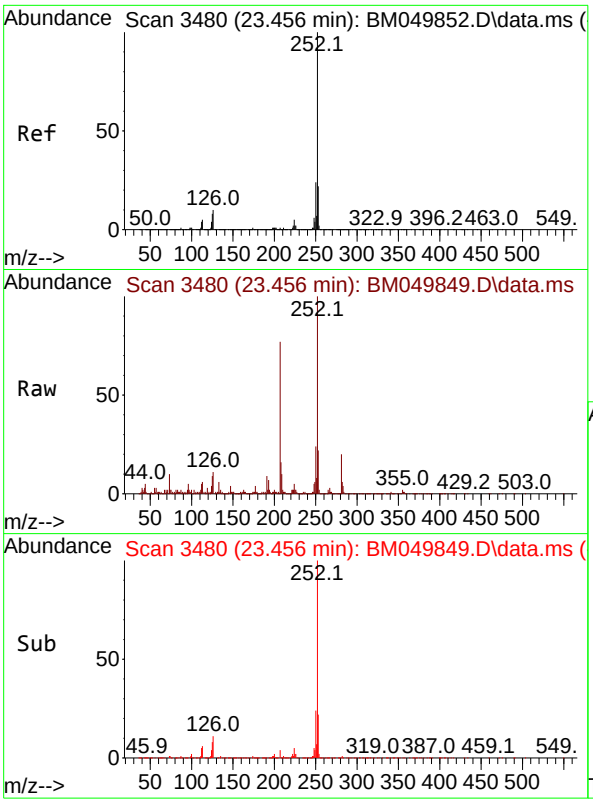


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.612 ng
RT: 27.785 min Scan# 4216
Delta R.T. -0.012 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:276 Resp: 468774

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

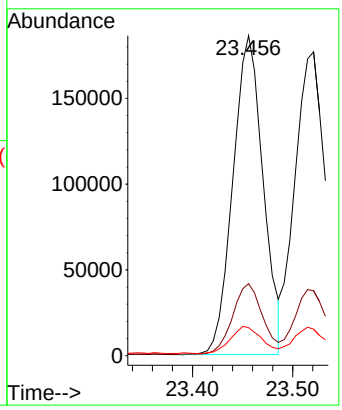




#88
Benzo(b)fluoranthene
Concen: 4.467 ng
RT: 23.456 min Scan# 34
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:252 Resp: 38902

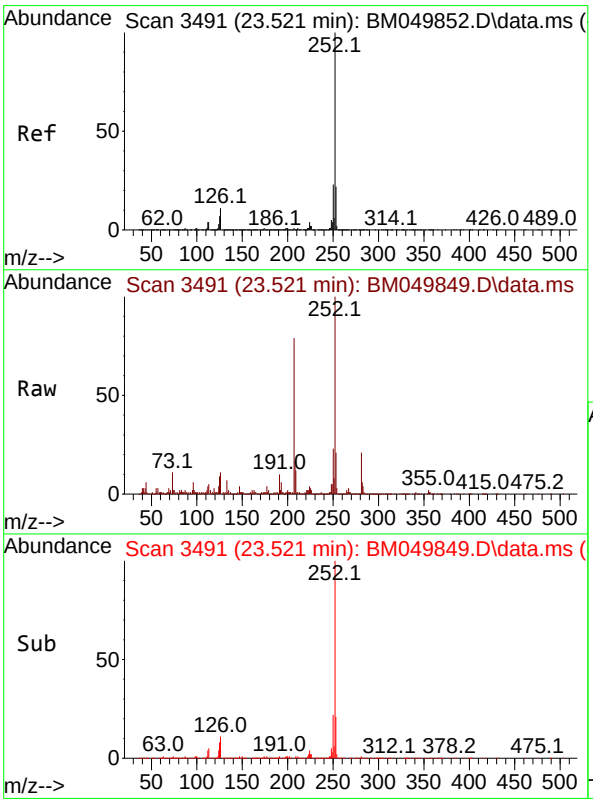
Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	8.7	6.2	9.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

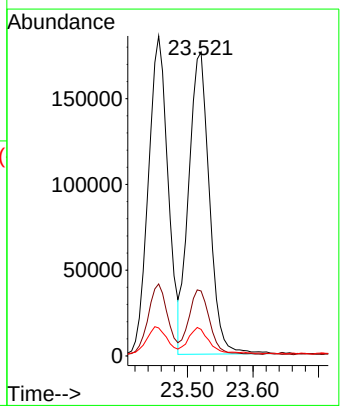
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

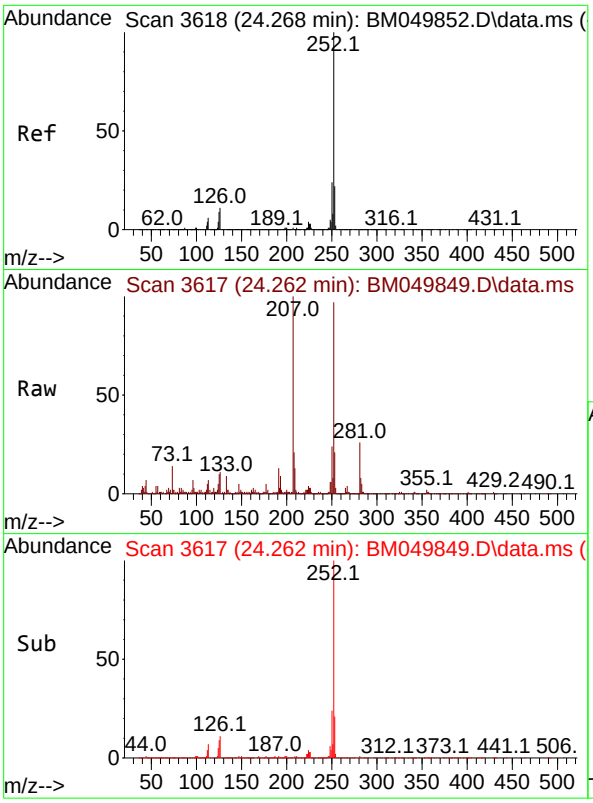


#89
Benzo(k)fluoranthene
Concen: 4.571 ng
RT: 23.521 min Scan# 3491
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:252 Resp: 385821

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

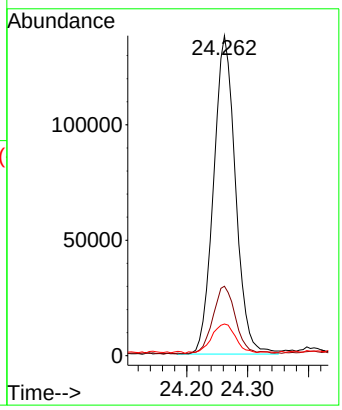




#90
Benzo(a)pyrene
Concen: 4.505 ng
RT: 24.262 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:252 Resp: 34480

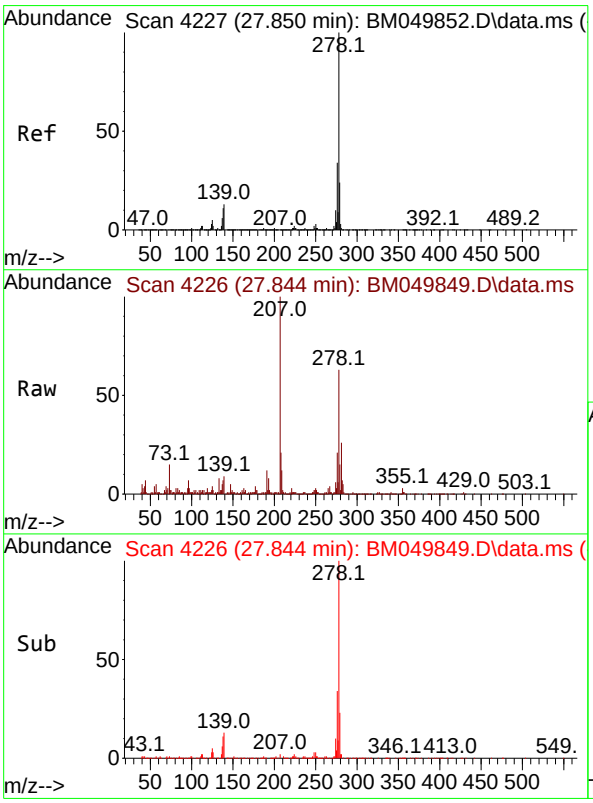
Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.8
125	9.9	7.0	10.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

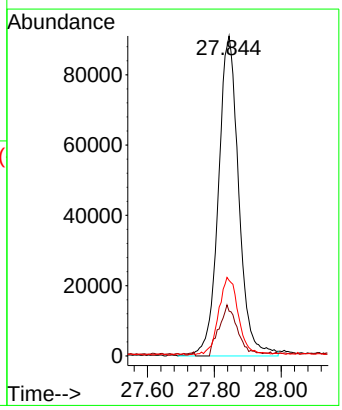
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

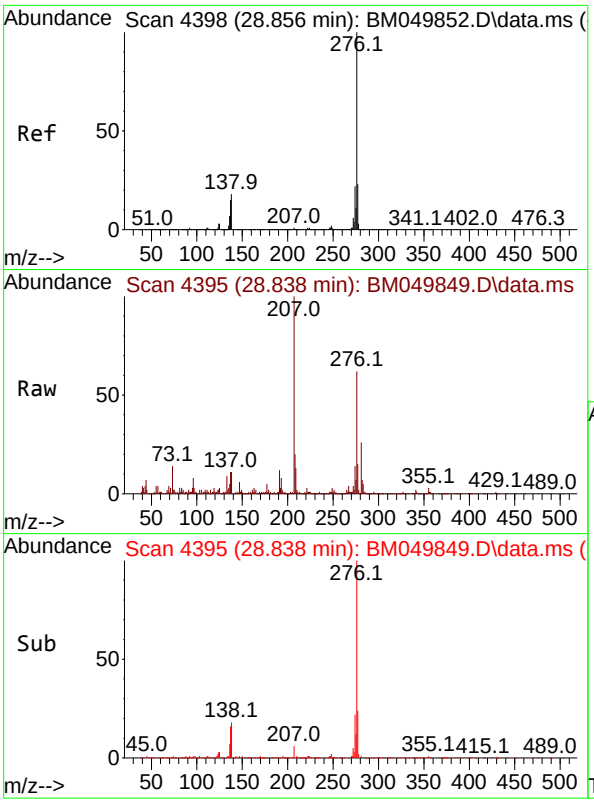


#91
Dibenzo(a,h)anthracene
Concen: 4.595 ng
RT: 27.844 min Scan# 4226
Delta R.T. -0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:278 Resp: 384717

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

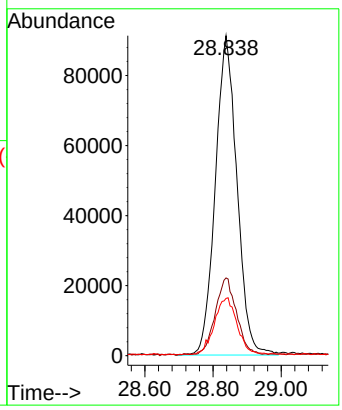




#92
Benzo(g,h,i)perylene
Concen: 4.693 ng
RT: 28.838 min Scan# 4
Delta R.T. -0.018 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:276 Resp: 40153

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



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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

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

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

ICAL Form

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

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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

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

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

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

ICAL Form

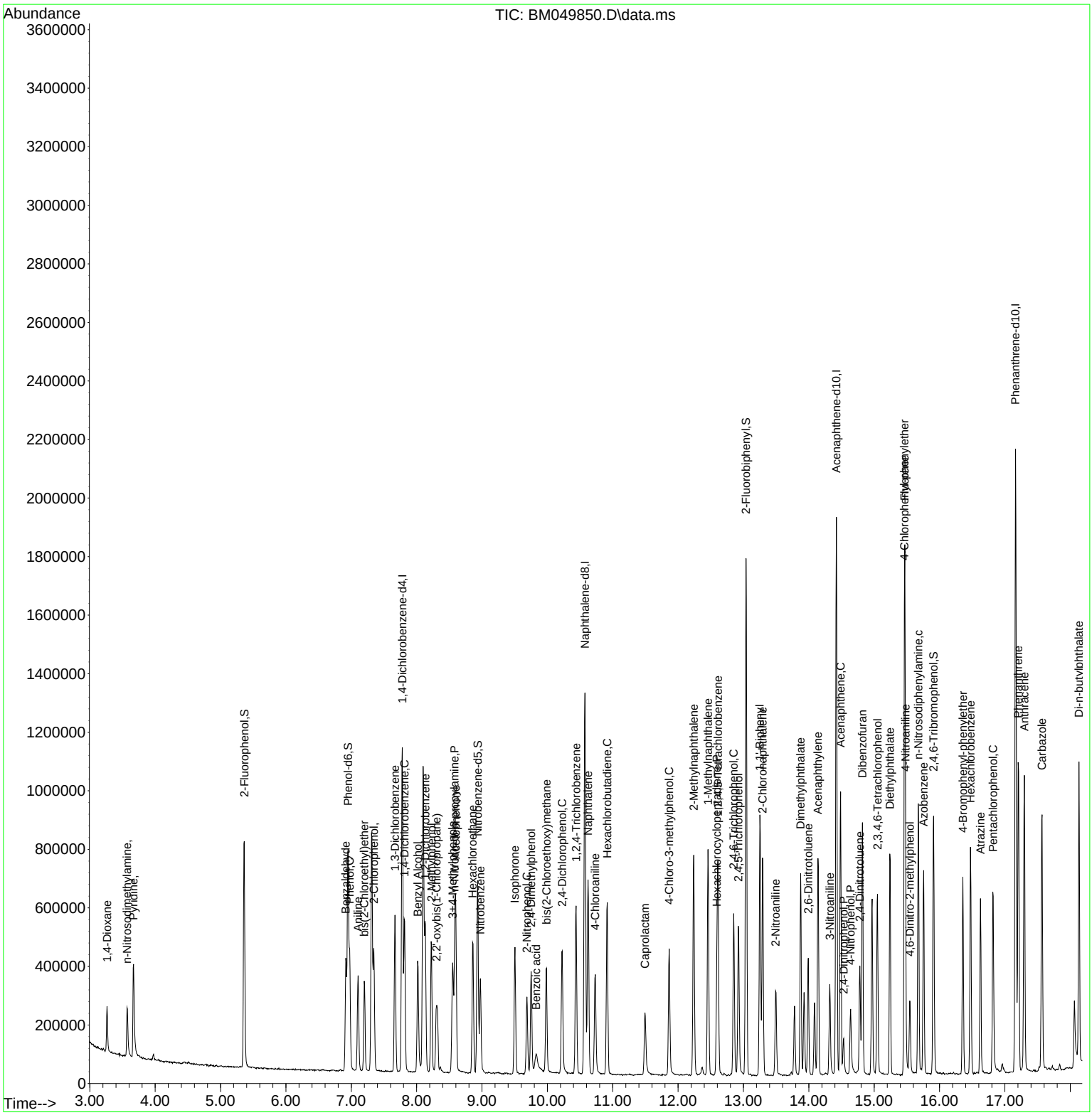
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Data File : BM049850.D
Acq On : 08 Apr 2025 14:53
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

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



ICAL Form

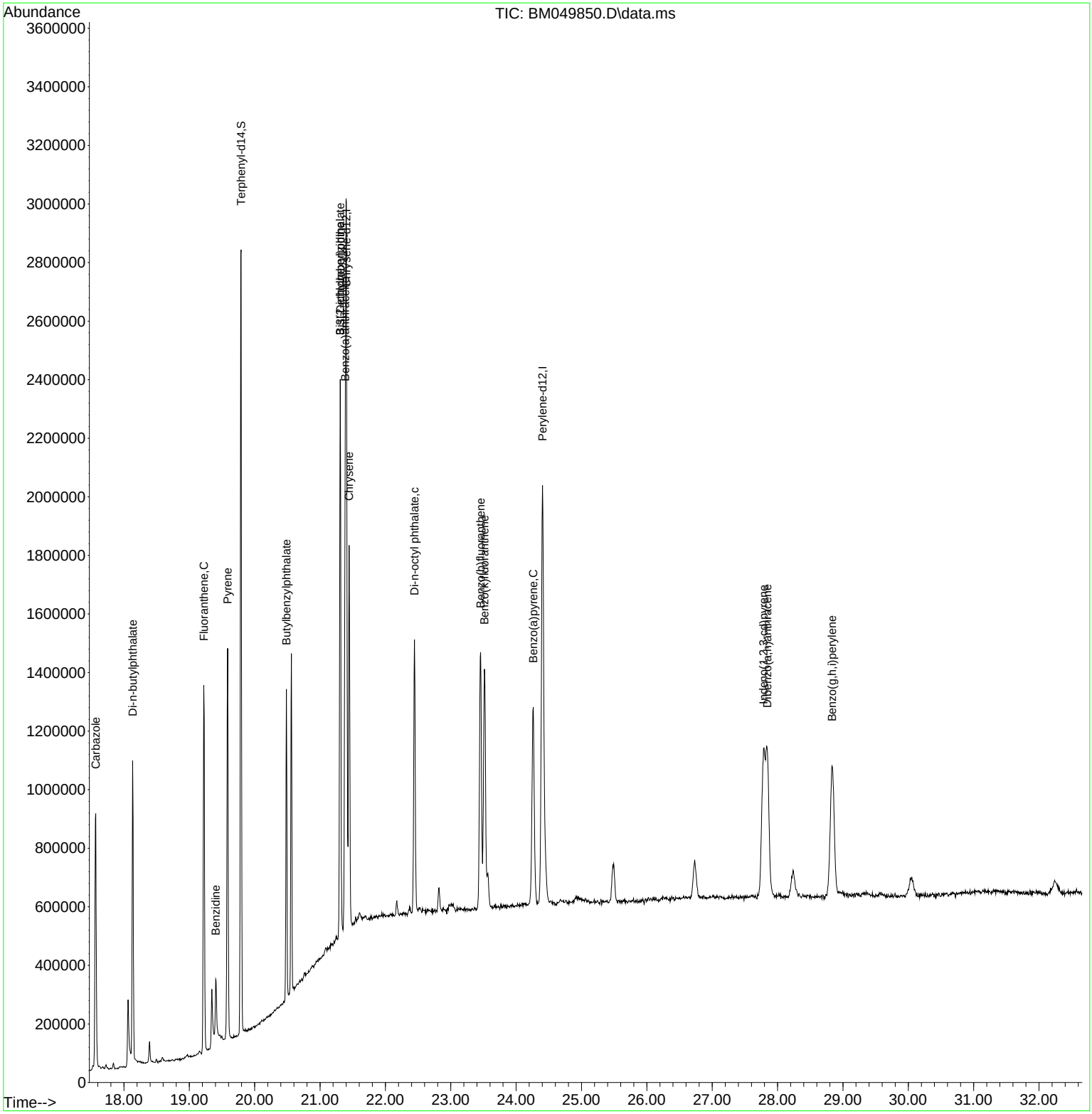
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Sample : SSTDICC010
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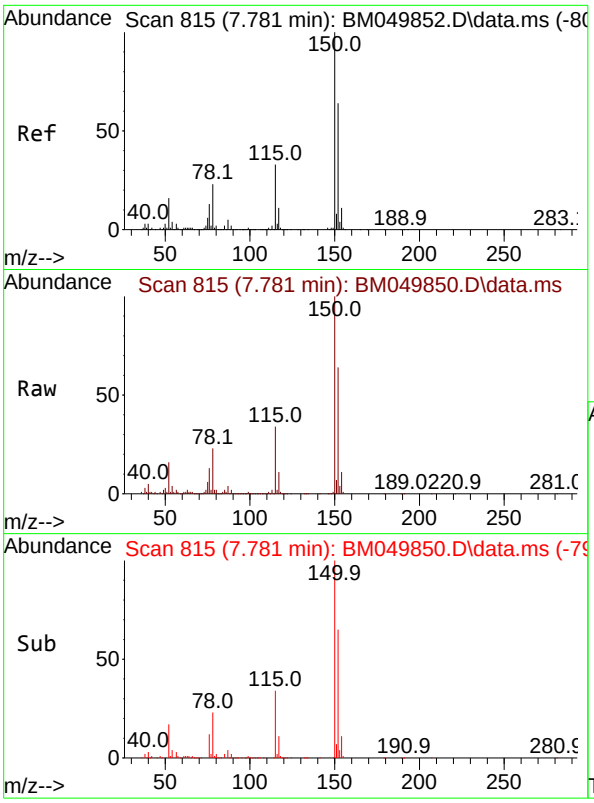
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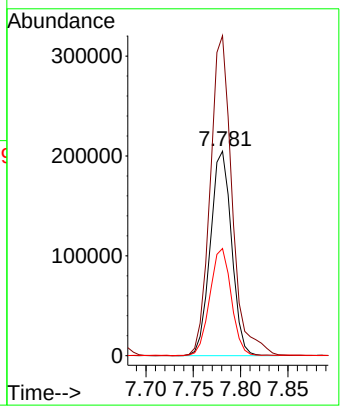




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.781 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:152 Resp: 31899

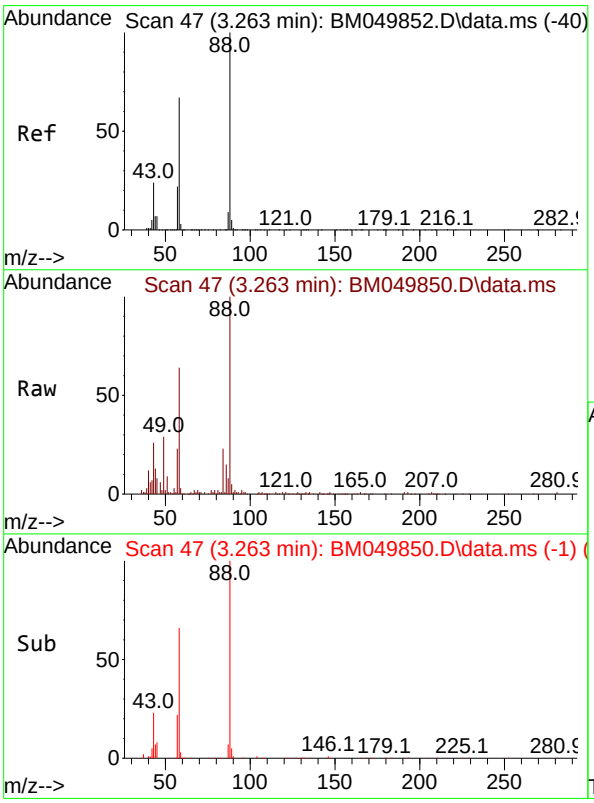
Ion	Ratio	Lower	Upper
152	100		
150	156.5	124.3	186.5
115	52.4	41.1	61.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

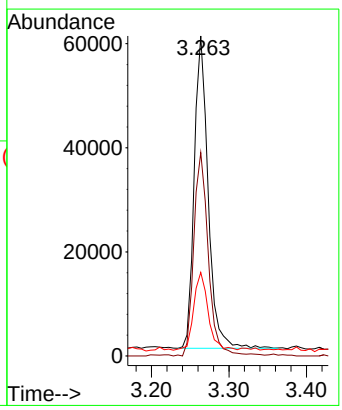
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

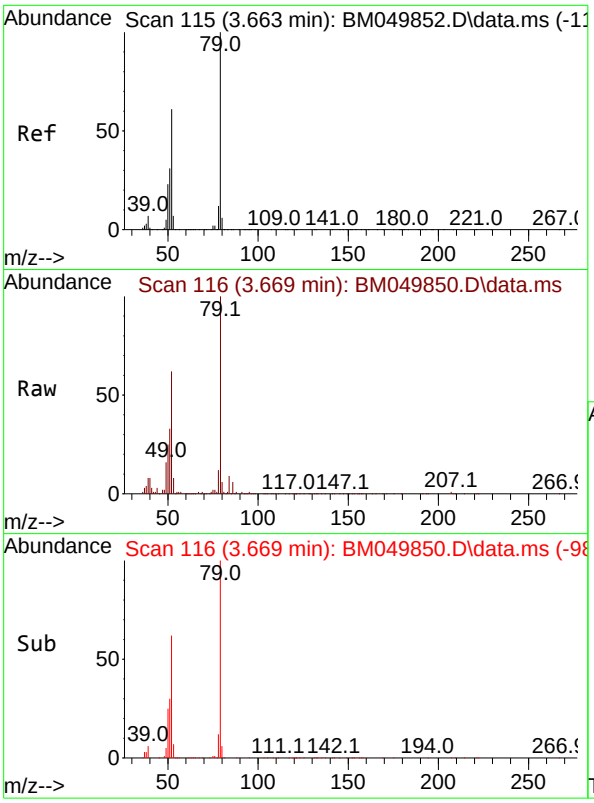


#2
1,4-Dioxane
Concen: 9.687 ng
RT: 3.263 min Scan# 47
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 88 Resp: 74941

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

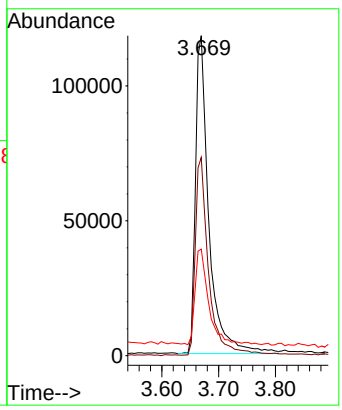




#3
Pyridine
Concen: 9.574 ng
RT: 3.669 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 79 Resp: 19453(

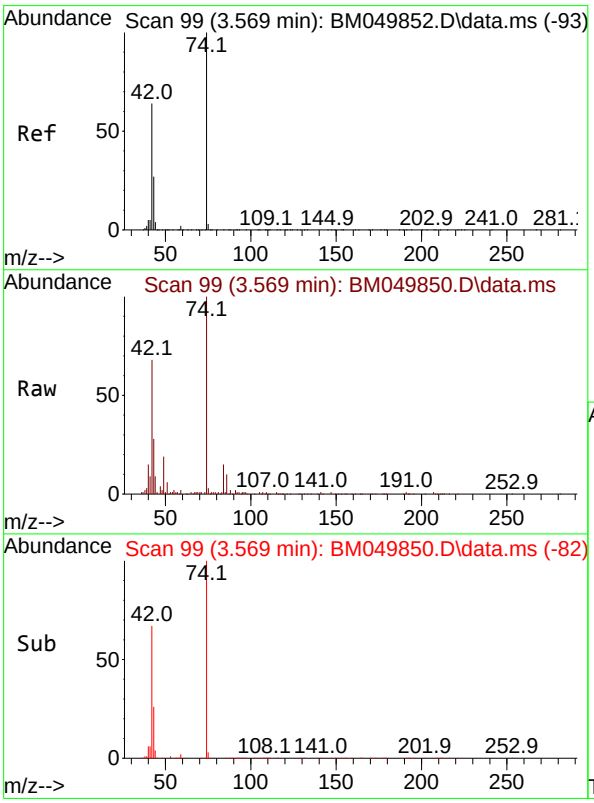
Ion	Ratio	Lower	Upper
79	100		
52	61.9	48.9	73.3
51	33.3	25.0	37.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

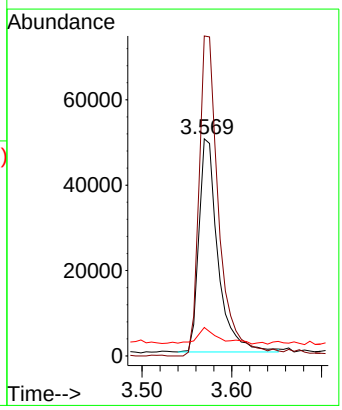
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

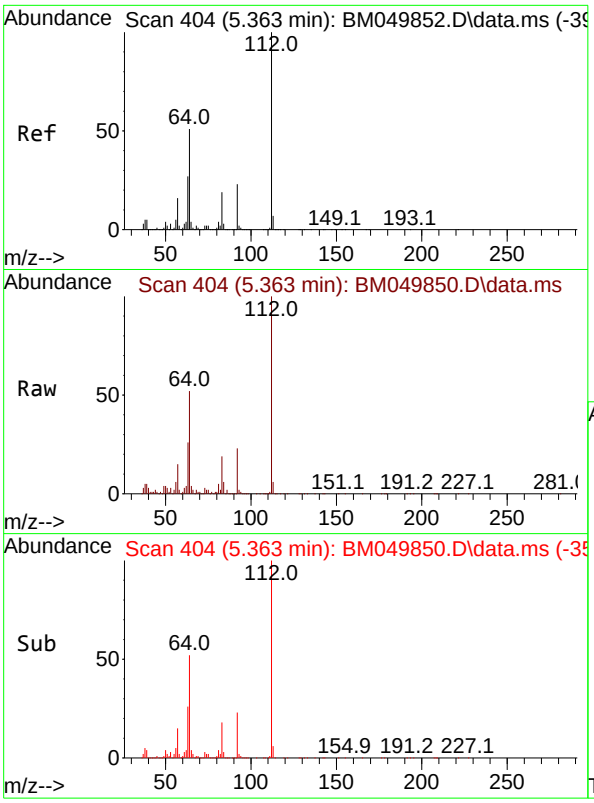


#4
n-Nitrosodimethylamine
Concen: 9.503 ng
RT: 3.569 min Scan# 99
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 42 Resp: 73514

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





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

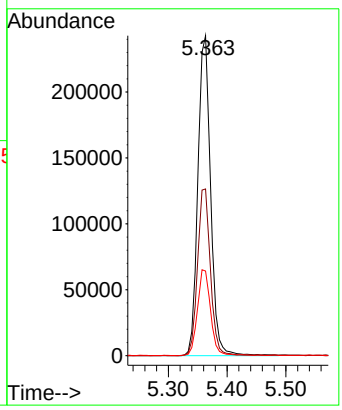
Tgt Ion:112 Resp: 36492

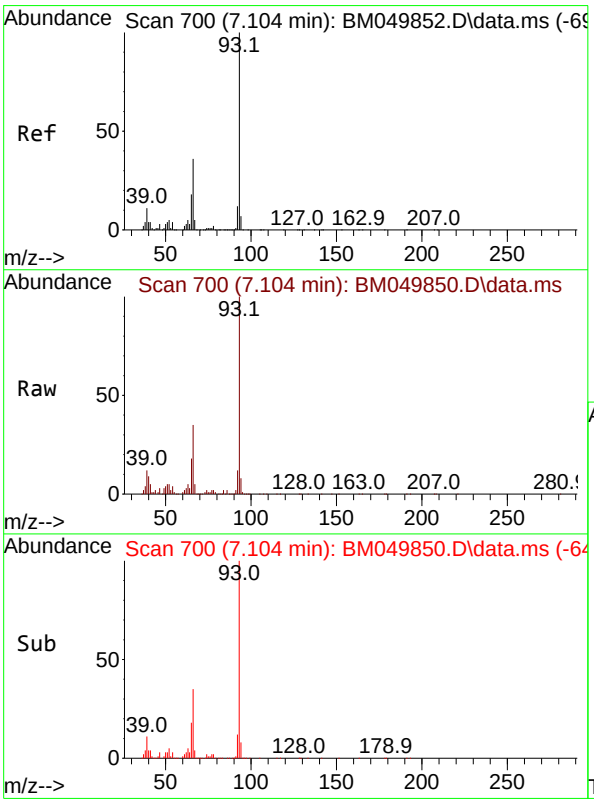
Ion	Ratio	Lower	Upper
112	100		
64	52.1	41.0	61.6
63	26.4	21.5	32.3

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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

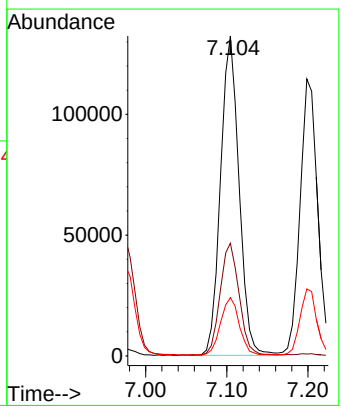


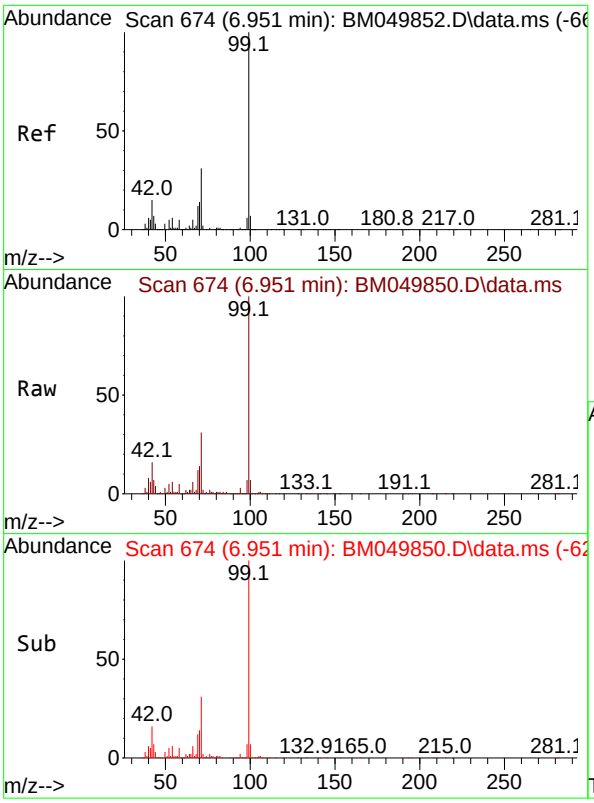


#6
Aniline
Concen: 10.473 ng
RT: 7.104 min Scan# 700
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 93 Resp: 209739

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

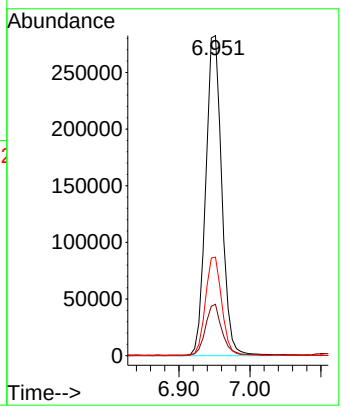




#7
Phenol-d6
Concen: 19.001 ng
RT: 6.951 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 99 Resp: 44409

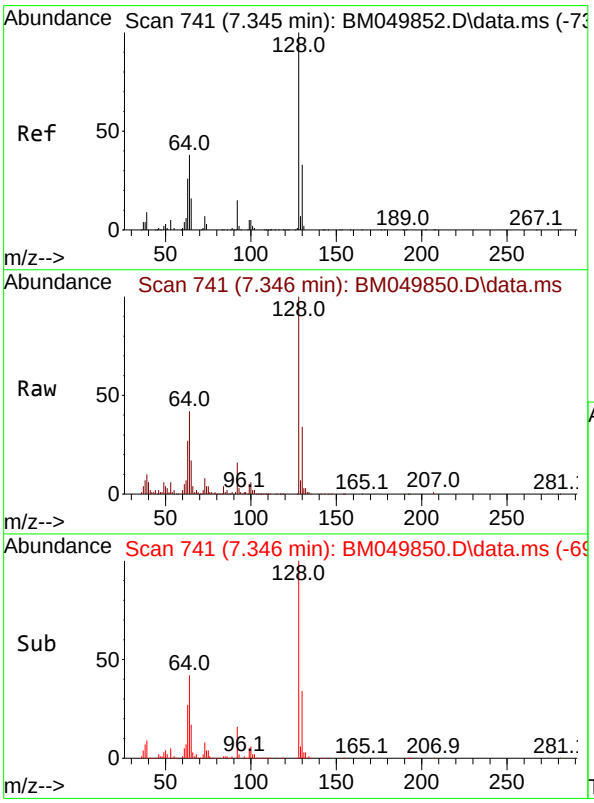
Ion	Ratio	Lower	Upper
99	100		
42	16.0	12.1	18.1
71	30.8	24.9	37.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

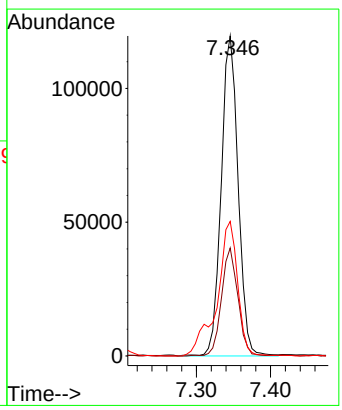
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

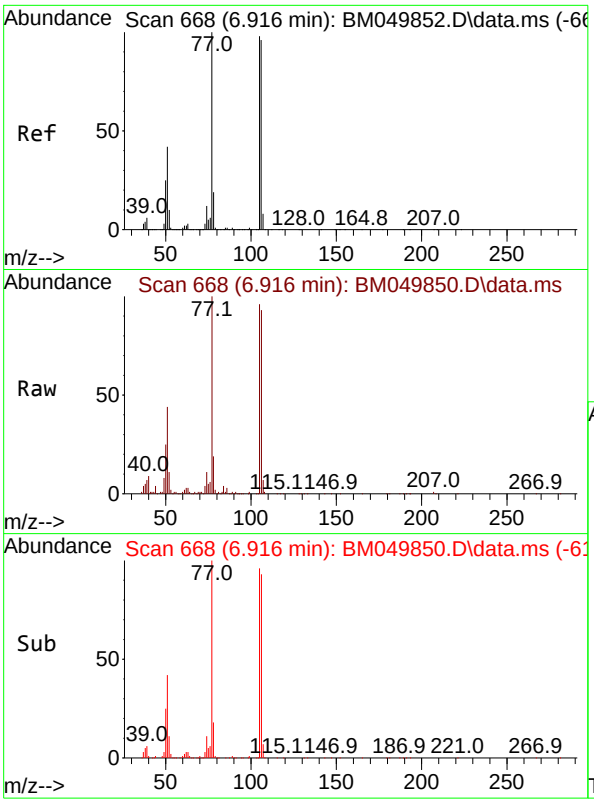


#8
2-Chlorophenol
Concen: 9.867 ng
RT: 7.346 min Scan# 741
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:128 Resp: 189954

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

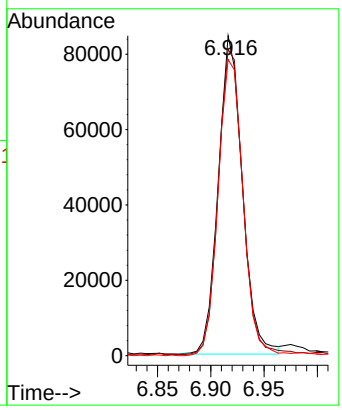




#9
Benzaldehyde
Concen: 11.041 ng
RT: 6.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 77 Resp: 13231

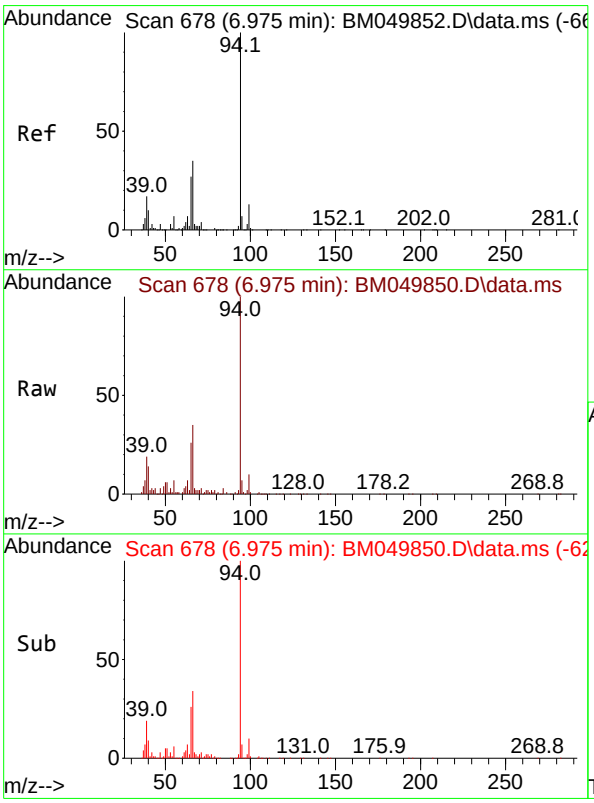
Ion	Ratio	Lower	Upper
77	100		
105	95.7	78.3	118.3
106	92.6	76.0	116.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

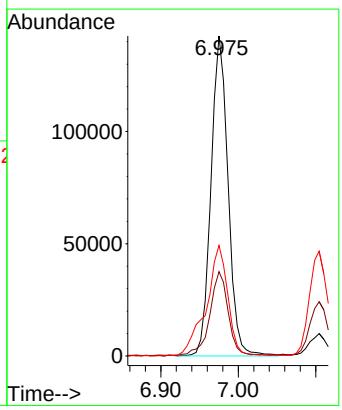
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

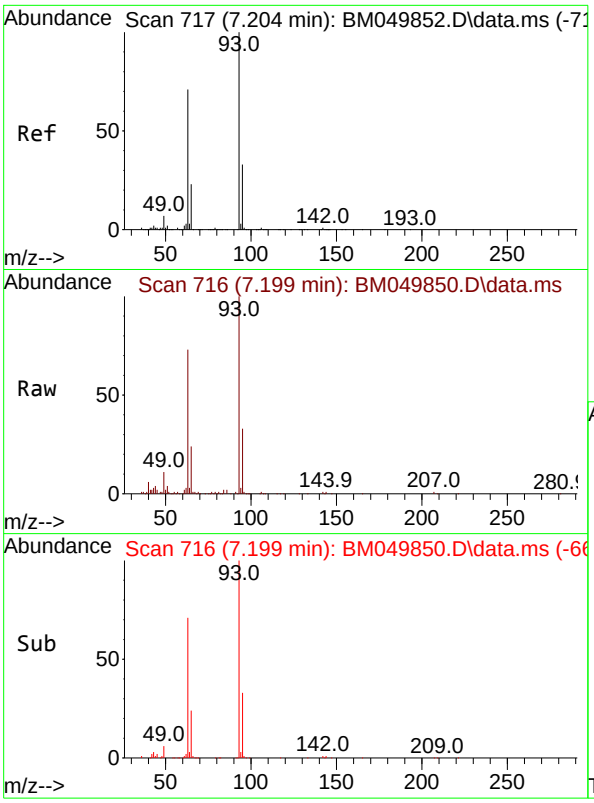


#10
Phenol
Concen: 9.579 ng
RT: 6.975 min Scan# 678
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 94 Resp: 218482

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

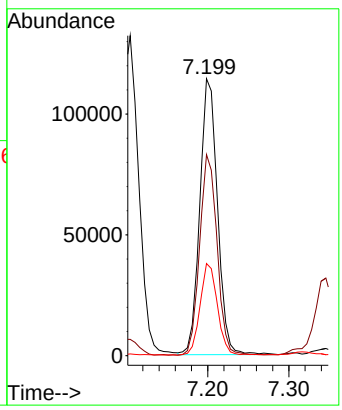




#11
bis(2-Chloroethyl)ether
Concen: 9.669 ng
RT: 7.199 min Scan# 7
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 93 Resp: 17295

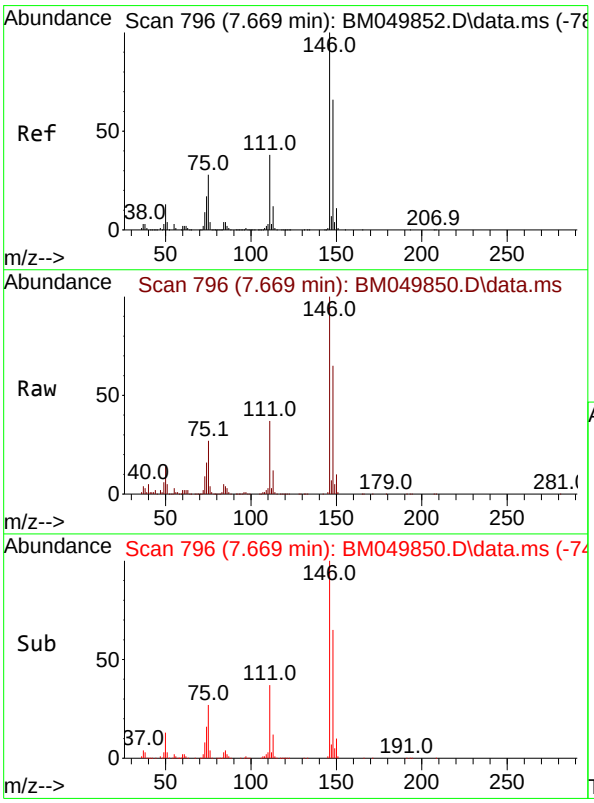
Ion	Ratio	Lower	Upper
93	100		
63	72.6	50.9	90.9
95	33.3	12.6	52.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

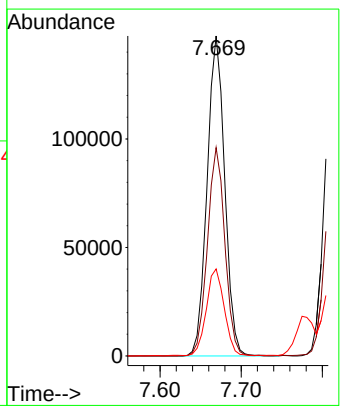
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

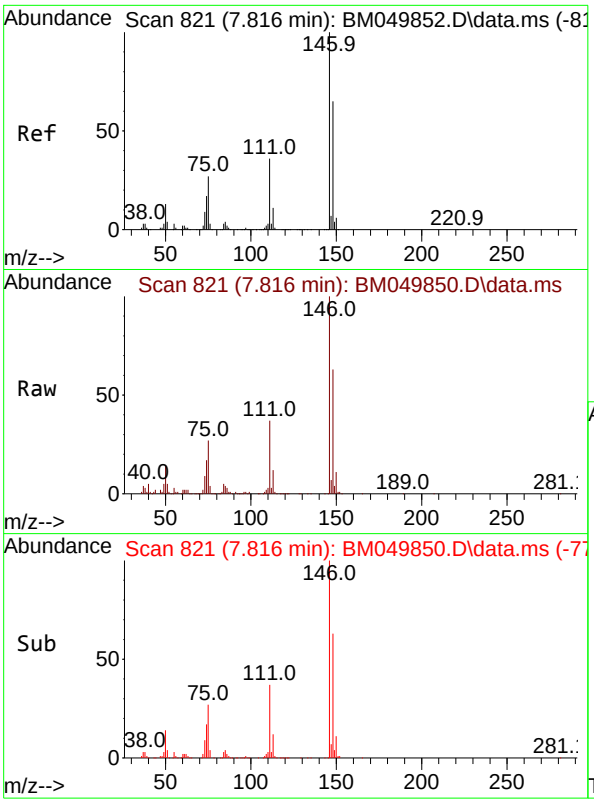


#12
1,3-Dichlorobenzene
Concen: 9.749 ng
RT: 7.669 min Scan# 796
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:146 Resp: 221893

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

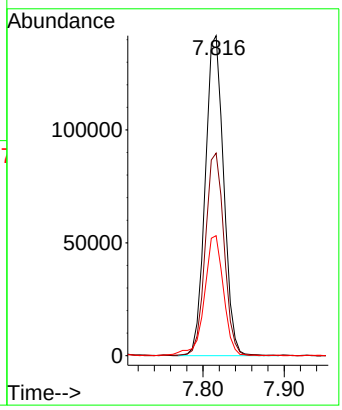




#13
1,4-Dichlorobenzene
Concen: 9.740 ng
RT: 7.816 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:146 Resp: 22306

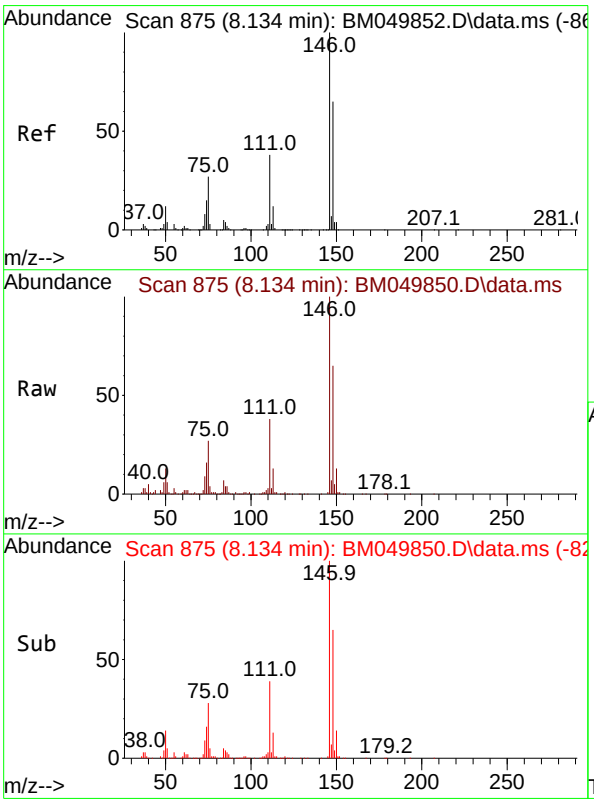
Ion	Ratio	Lower	Upper
146	100		
148	63.3	52.4	78.6
111	37.5	28.5	42.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

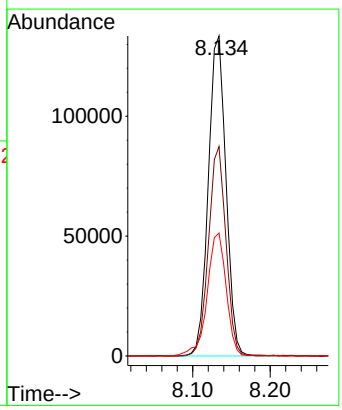
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

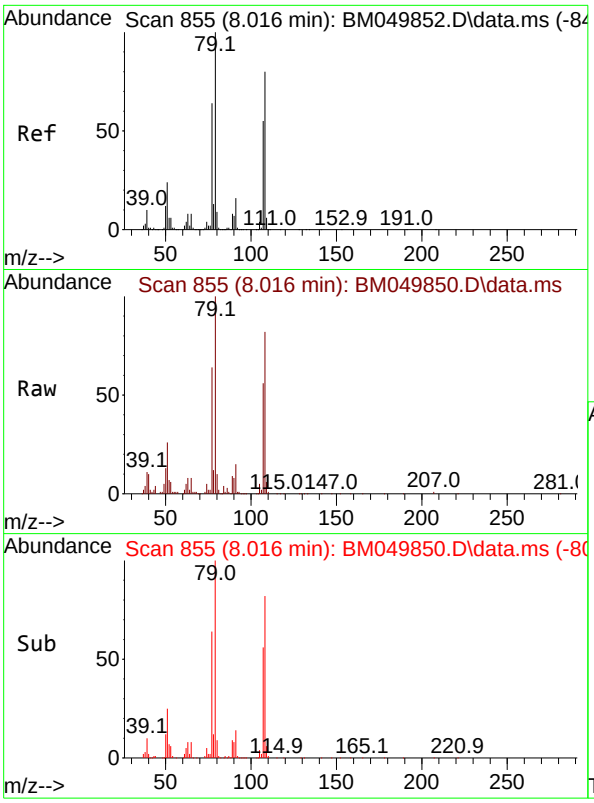


#14
1,2-Dichlorobenzene
Concen: 9.800 ng
RT: 8.134 min Scan# 875
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:146 Resp: 211403

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





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

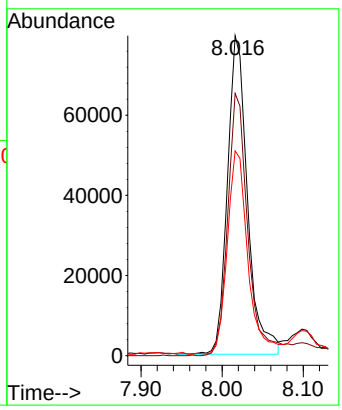
Tgt Ion: 79 Resp: 13665

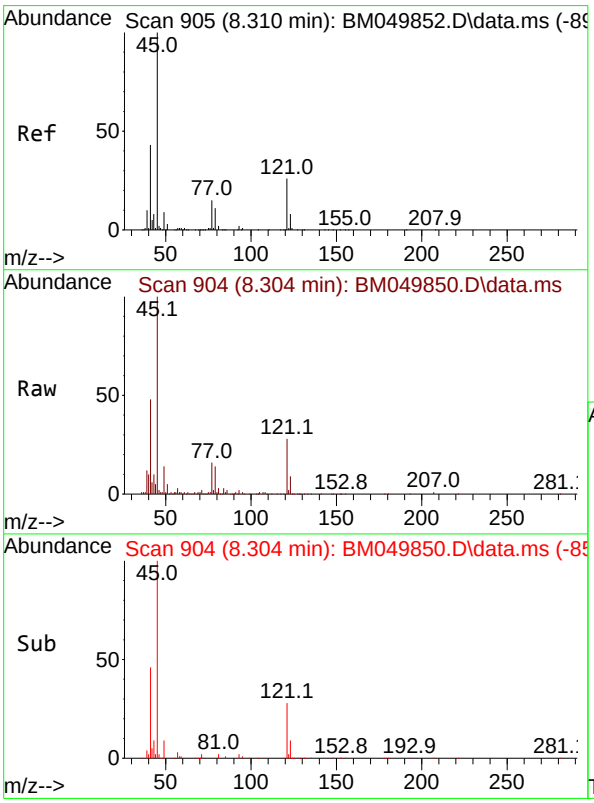
Ion	Ratio	Lower	Upper
79	100		
108	82.0	63.6	95.4
77	64.0	51.3	76.9

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

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

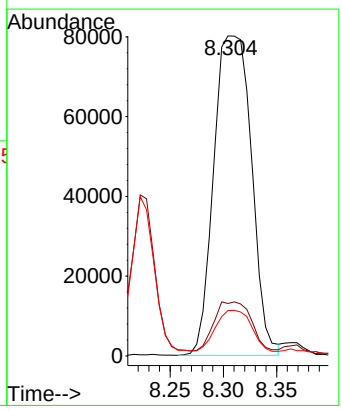


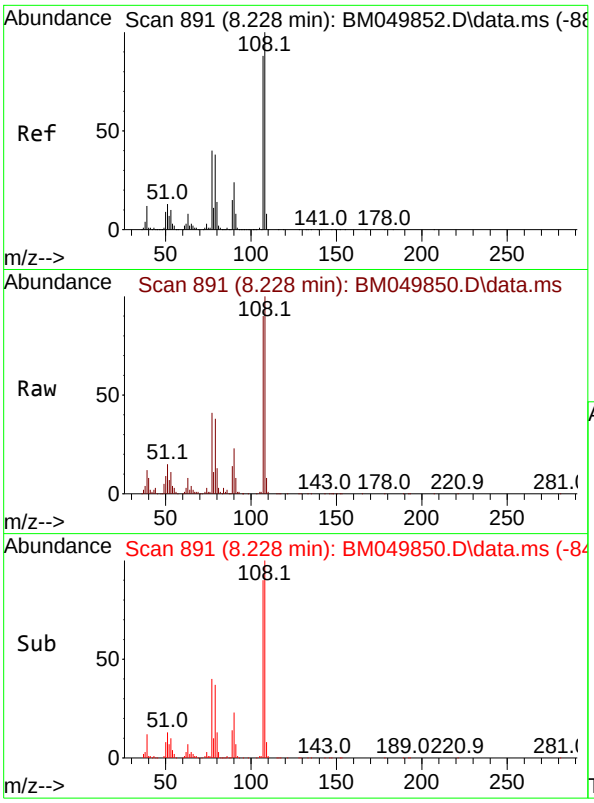


#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.884 ng
RT: 8.304 min Scan# 904
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 45 Resp: 197037

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

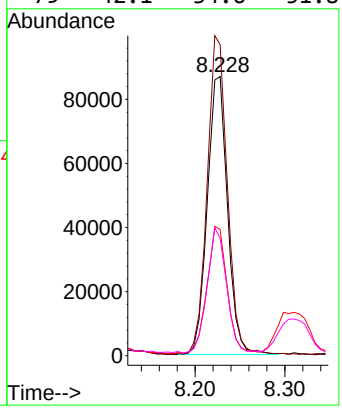




#17
2-Methylphenol
Concen: 9.709 ng
RT: 8.228 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:107 Resp: 13646

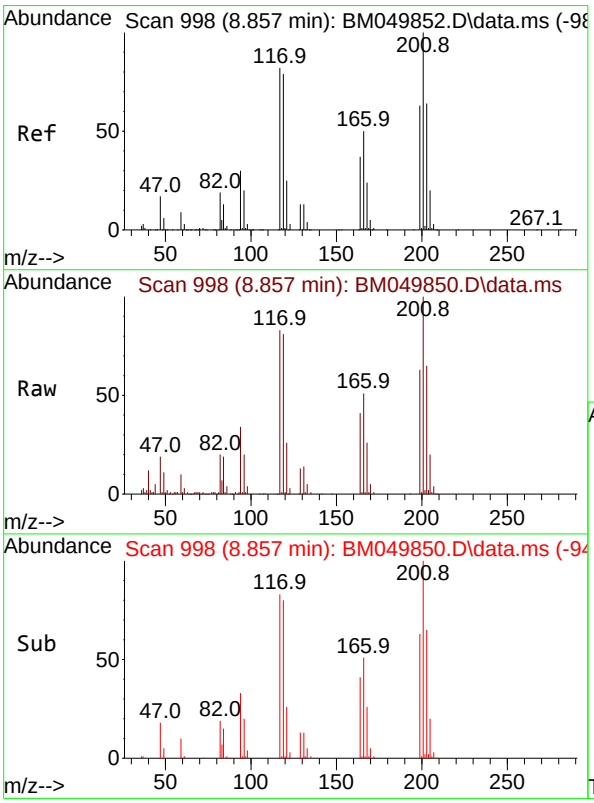
Ion	Ratio	Lower	Upper
107	100		
108	111.4	91.0	136.6
77	45.2	36.5	54.7
79	42.1	34.6	51.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

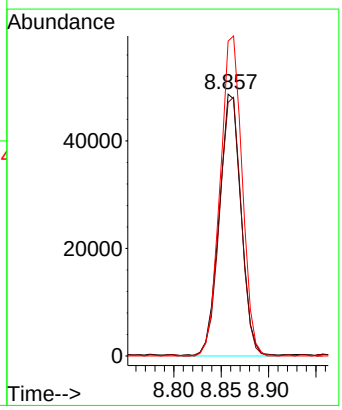
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

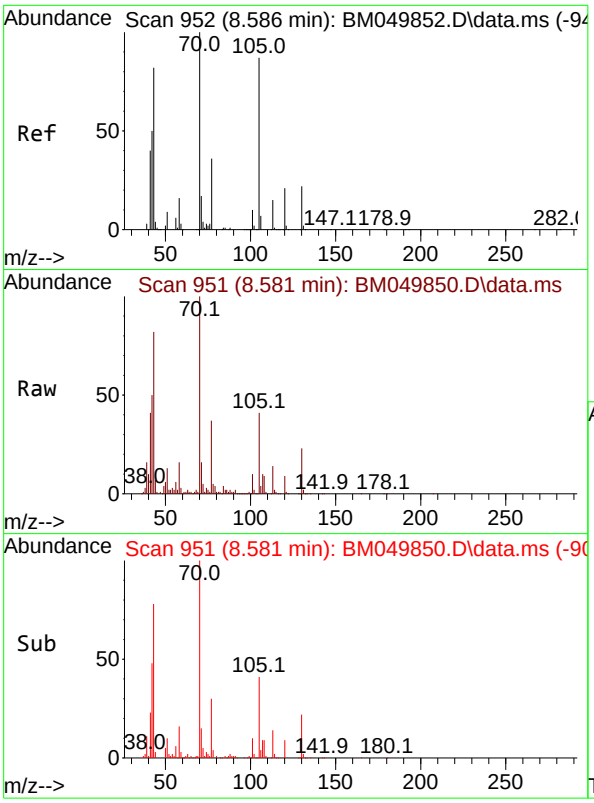


#18
Hexachloroethane
Concen: 9.888 ng
RT: 8.857 min Scan# 998
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:117 Resp: 78782

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

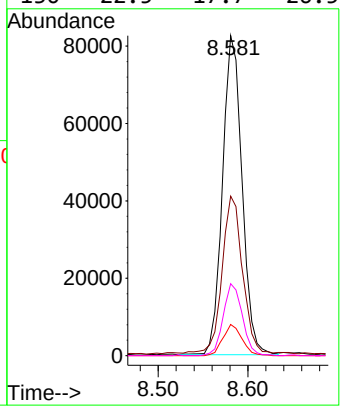




#19
n-Nitroso-di-n-propylamine
Concen: 9.644 ng
RT: 8.581 min Scan# 9
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 70 Resp: 12484

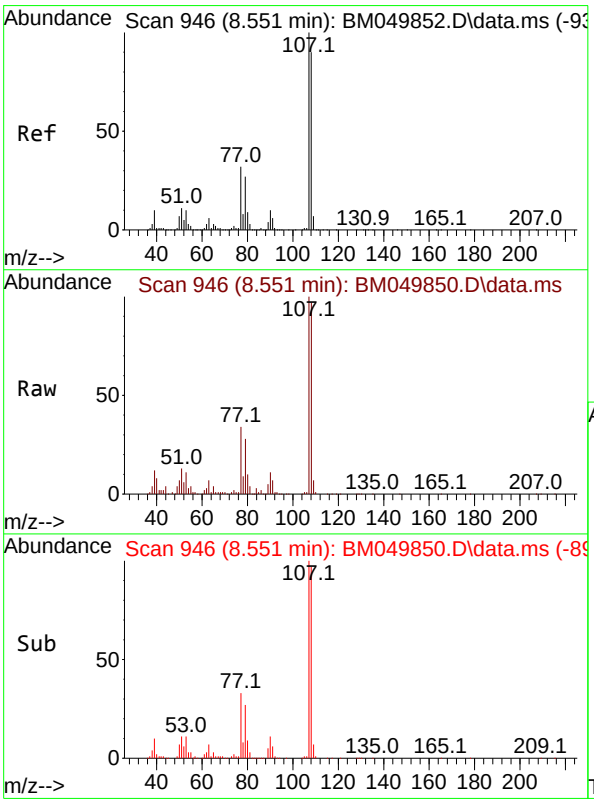
Ion	Ratio	Lower	Upper
70	100		
42	49.9	40.2	60.2
101	9.7	7.9	11.9
130	22.5	17.7	26.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

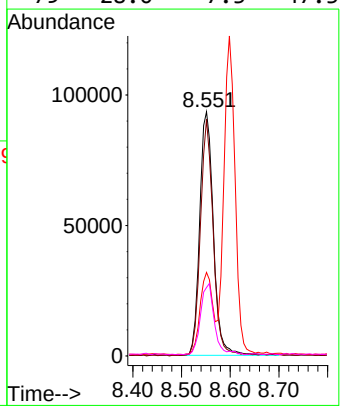
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

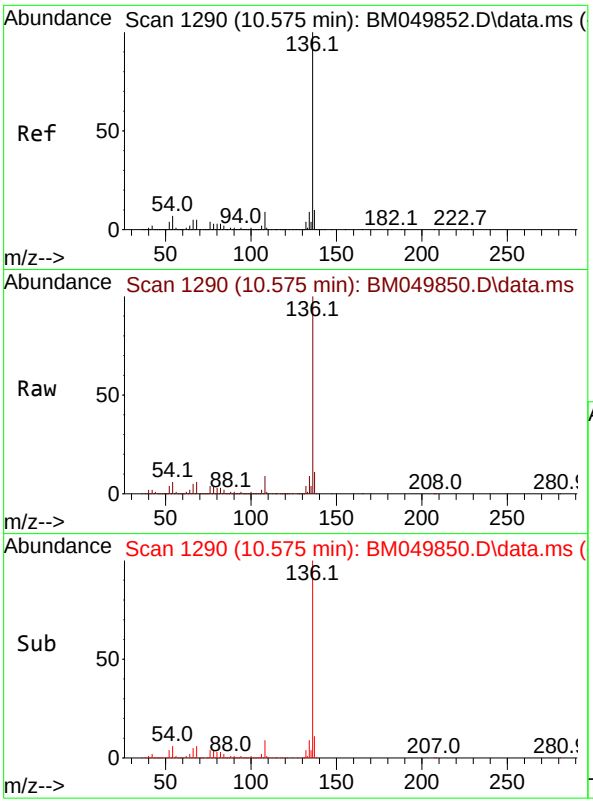


#20
3+4-Methylphenols
Concen: 9.506 ng
RT: 8.551 min Scan# 946
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:107 Resp: 182163

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

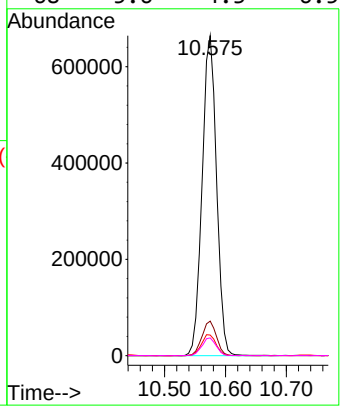




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.575 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:136 Resp: 109161

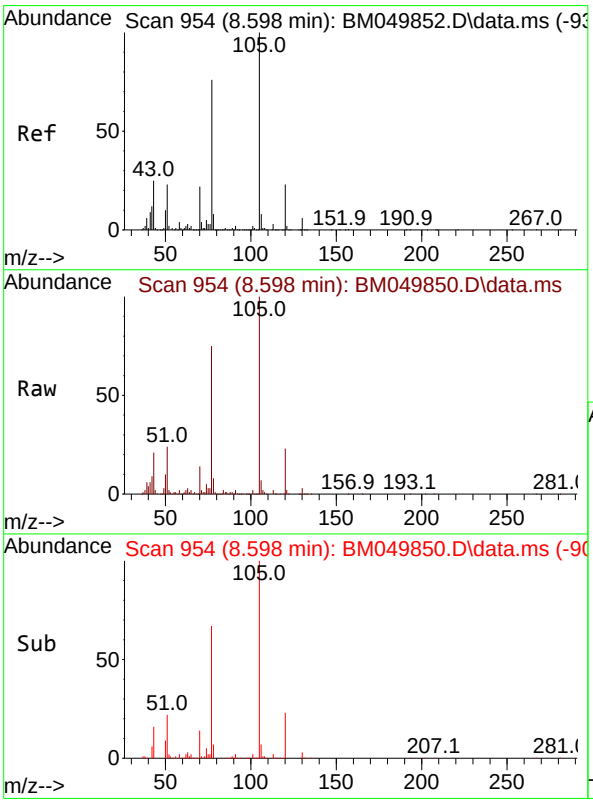
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.4	12.6
54	6.5	5.3	7.9
68	5.6	4.3	6.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

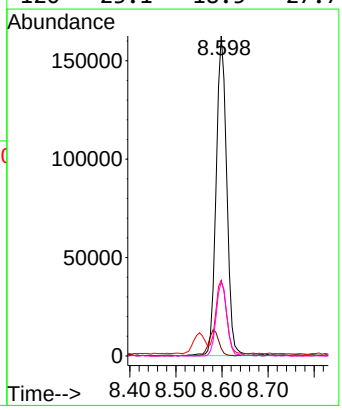
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

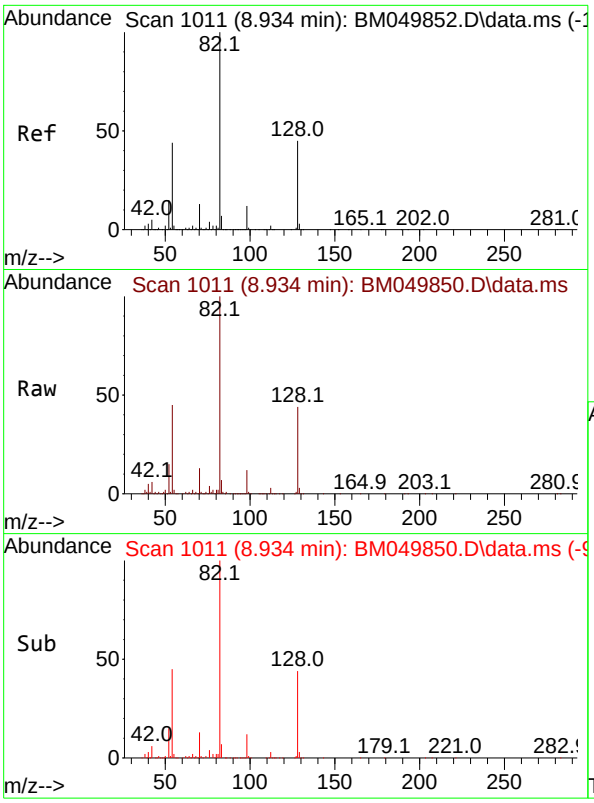


#22
Acetophenone
Concen: 9.821 ng
RT: 8.598 min Scan# 954
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:105 Resp: 260553

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





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

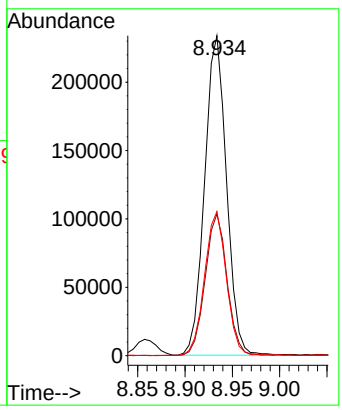
Tgt Ion: 82 Resp: 375019

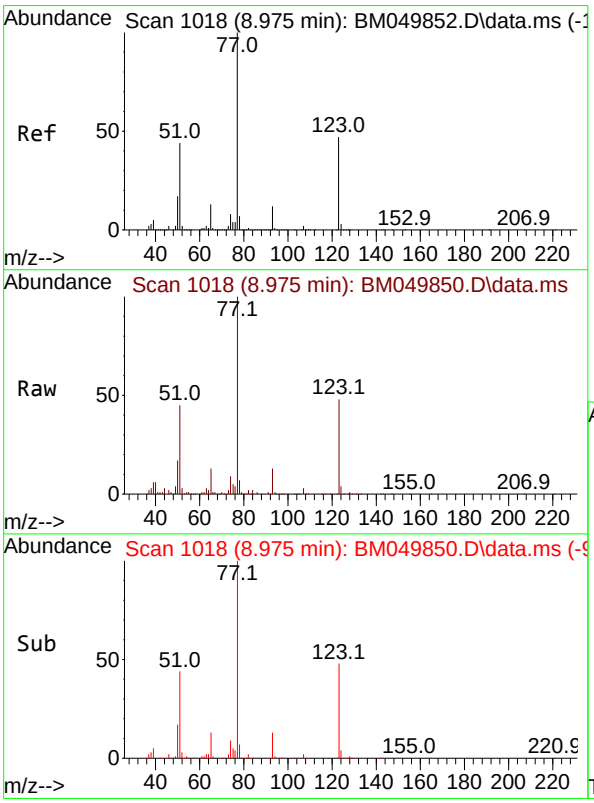
Ion	Ratio	Lower	Upper
82	100		
128	44.3	36.2	54.2
54	45.1	35.0	52.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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

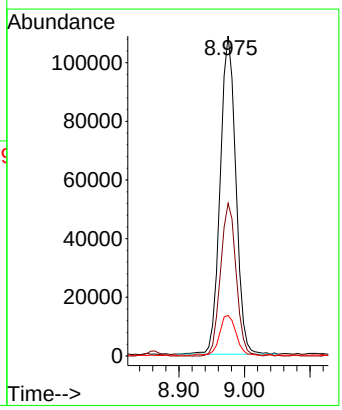


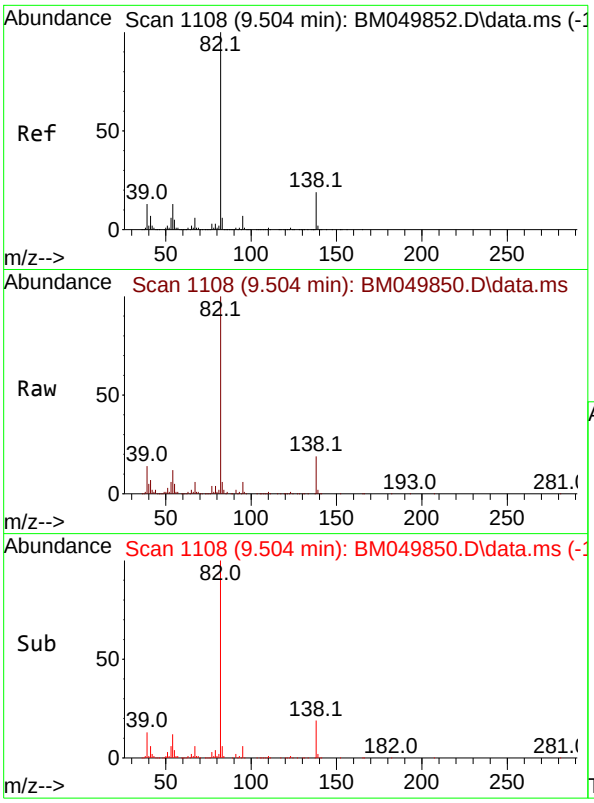


#24
Nitrobenzene
Concen: 9.513 ng
RT: 8.975 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 77 Resp: 179572

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





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

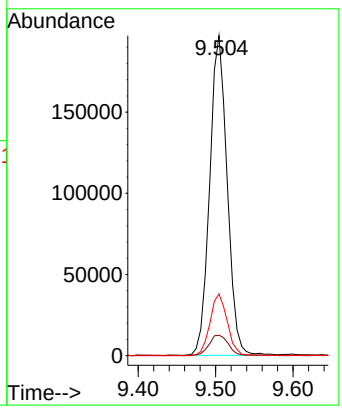
Tgt Ion: 82 Resp: 30976

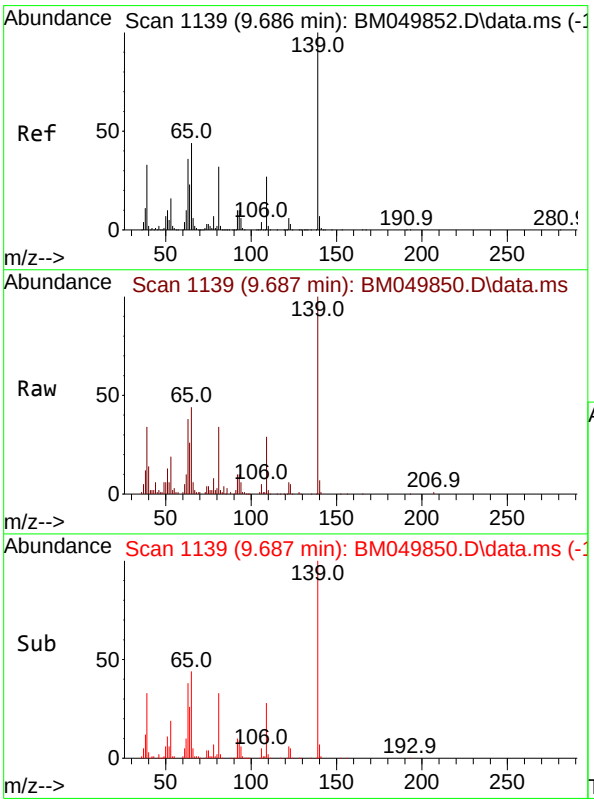
Ion	Ratio	Lower	Upper
82	100		
95	6.4	5.4	8.2
138	19.3	15.0	22.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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

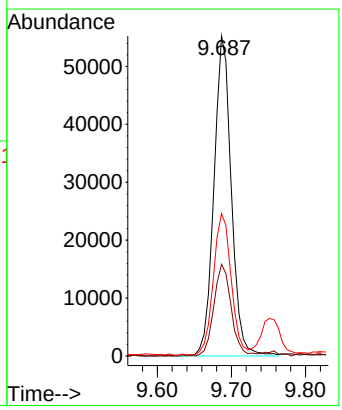


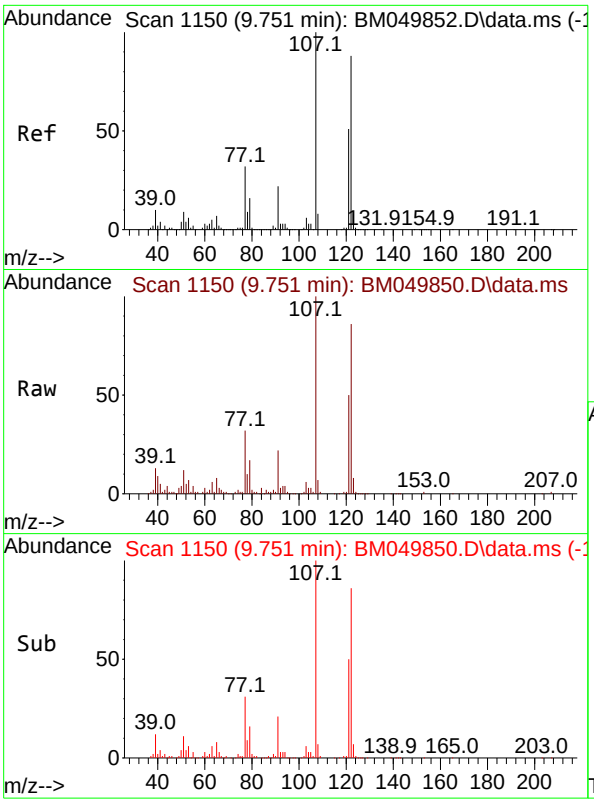


#26
2-Nitrophenol
Concen: 8.996 ng
RT: 9.687 min Scan# 1139
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:139 Resp: 90001

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

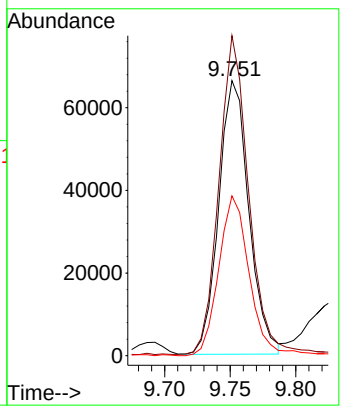




#27
2,4-Dimethylphenol
Concen: 9.341 ng
RT: 9.751 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:122 Resp: 10590

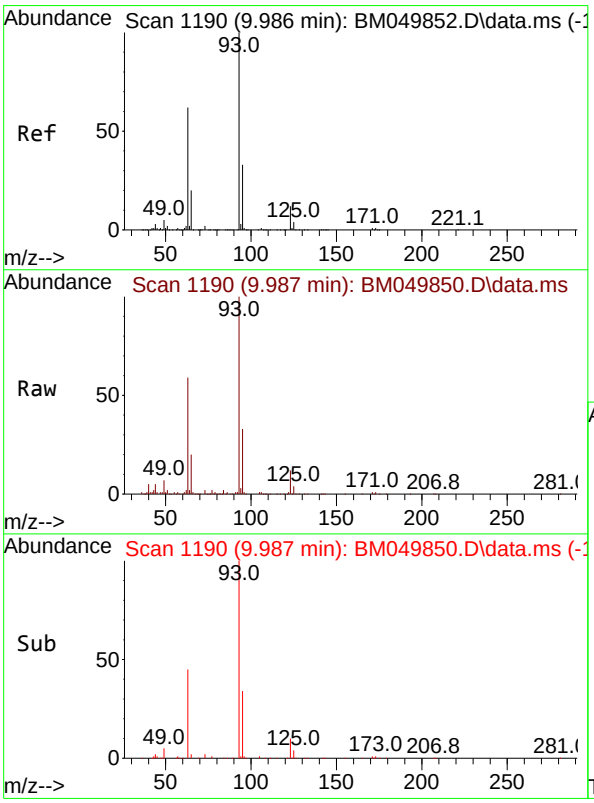
Ion	Ratio	Lower	Upper
122	100		
107	116.4	90.3	135.5
121	58.1	46.1	69.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

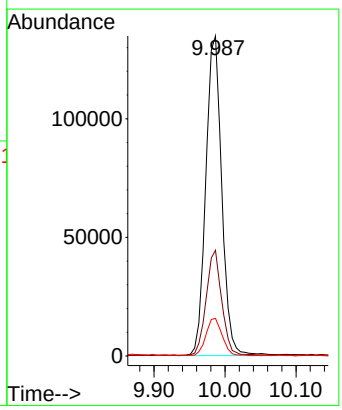
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

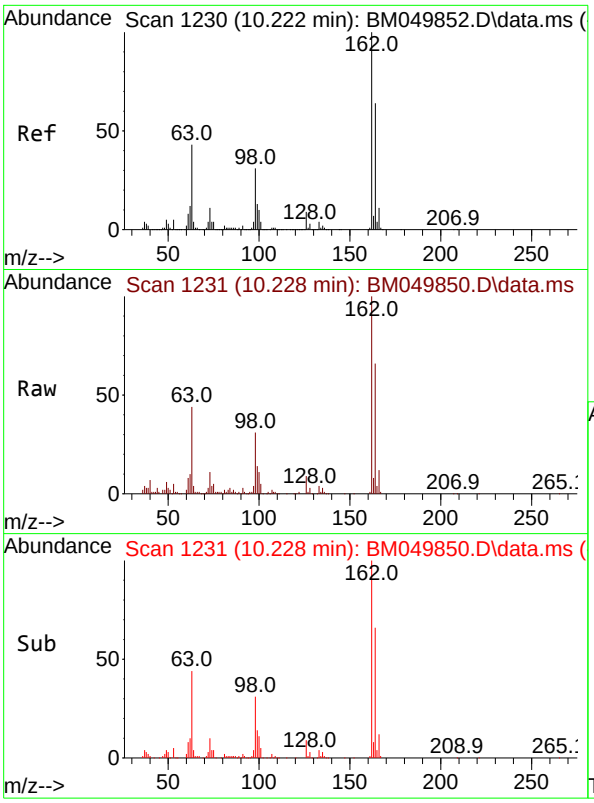


#28
bis(2-Chloroethoxy)methane
Concen: 9.587 ng
RT: 9.987 min Scan# 1190
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 93 Resp: 210772

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

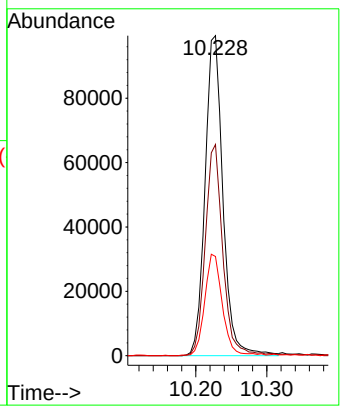




#29
2,4-Dichlorophenol
Concen: 9.254 ng
RT: 10.228 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:162 Resp: 17440

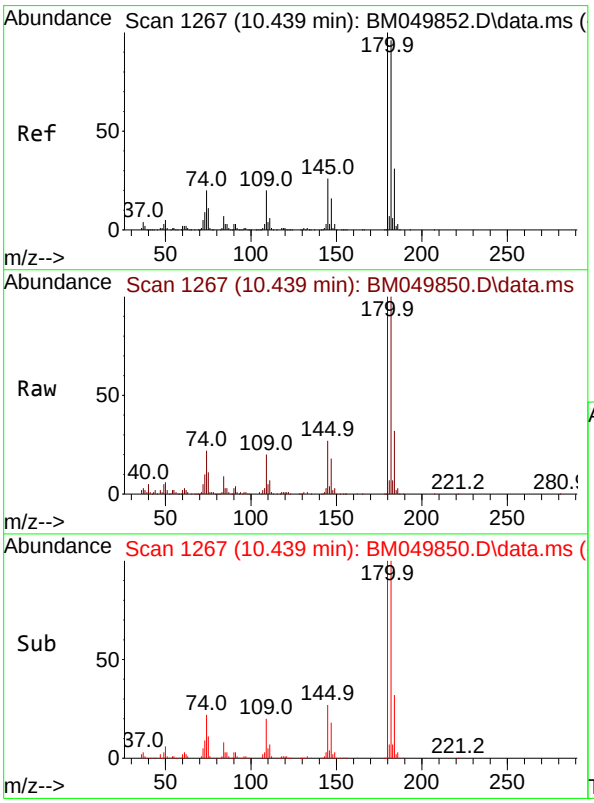
Ion	Ratio	Lower	Upper
162	100		
164	66.0	44.3	84.3
98	31.0	10.9	50.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

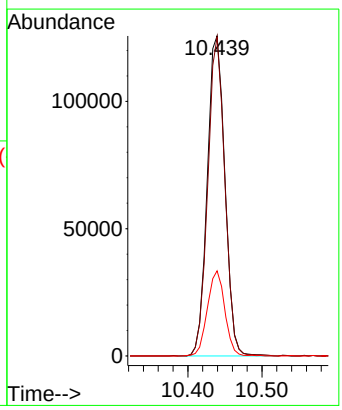
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

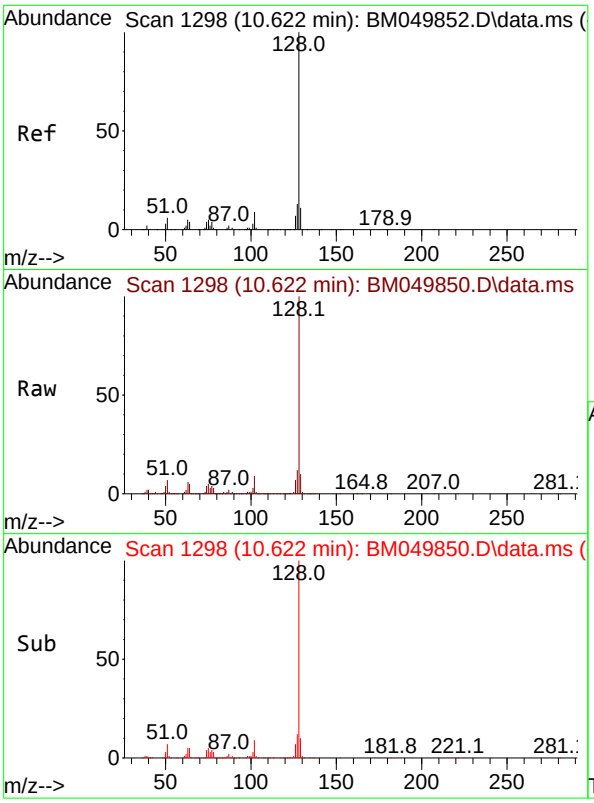


#30
1,2,4-Trichlorobenzene
Concen: 9.518 ng
RT: 10.439 min Scan# 1267
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:180 Resp: 207530

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

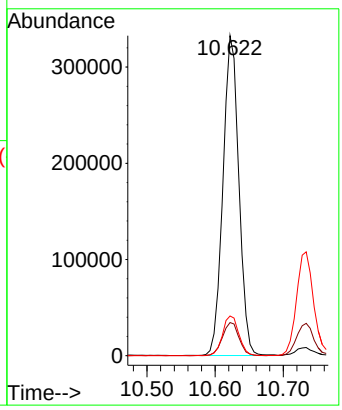




#31
Naphthalene
Concen: 9.630 ng
RT: 10.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:128 Resp: 54014

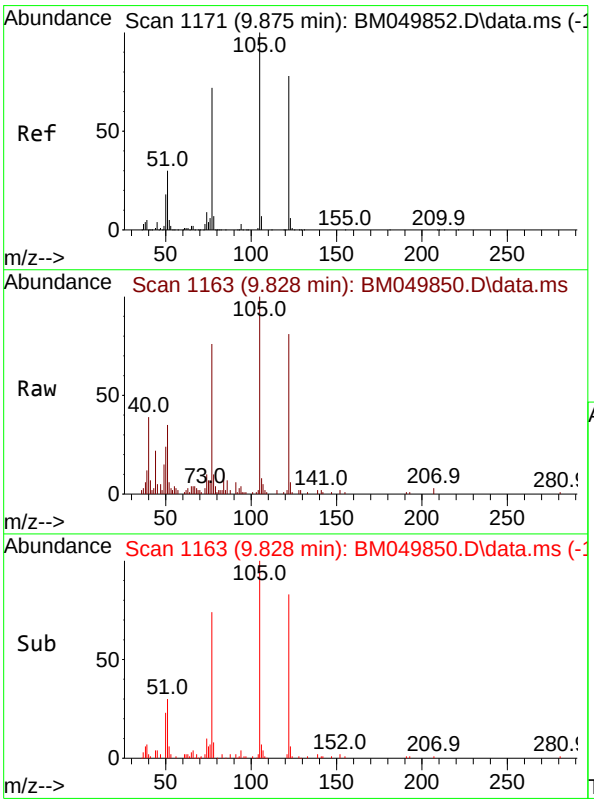
Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.8	13.2
127	12.4	10.6	15.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

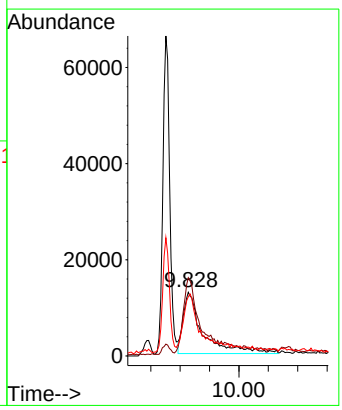
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

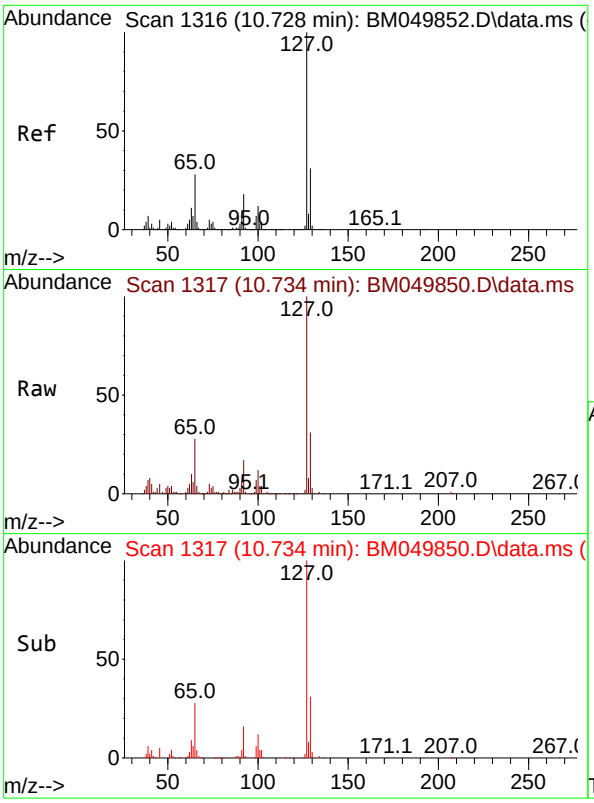


#32
Benzoic acid
Concen: 12.140 ng m
RT: 9.828 min Scan# 1163
Delta R.T. -0.047 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:122 Resp: 59585

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

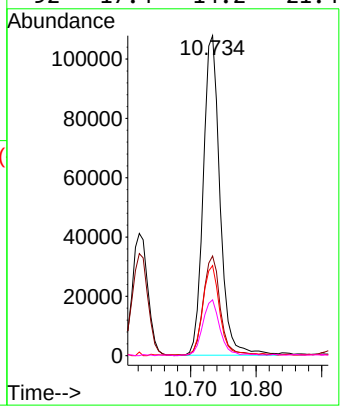




#33
4-Chloroaniline
Concen: 9.676 ng
RT: 10.734 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:127 Resp: 19165

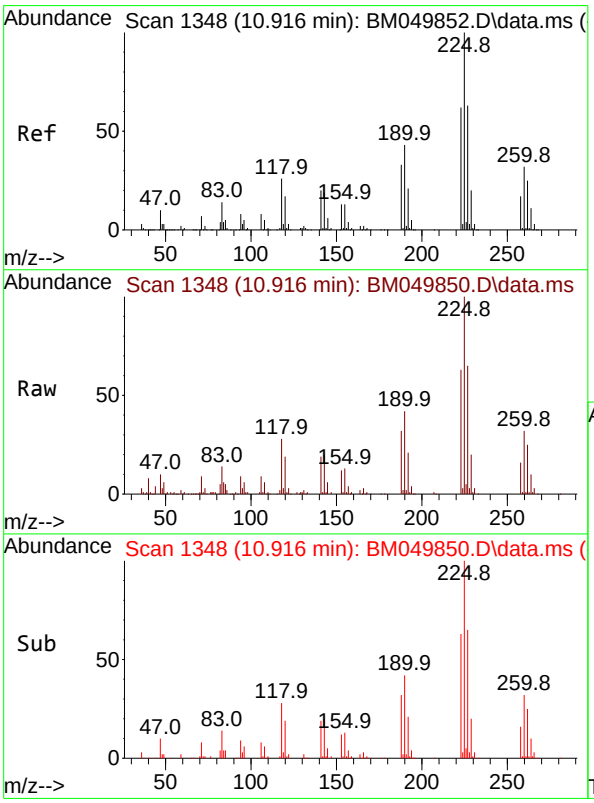
Ion	Ratio	Lower	Upper
127	100		
129	31.1	24.9	37.3
65	28.2	22.4	33.6
92	17.4	14.2	21.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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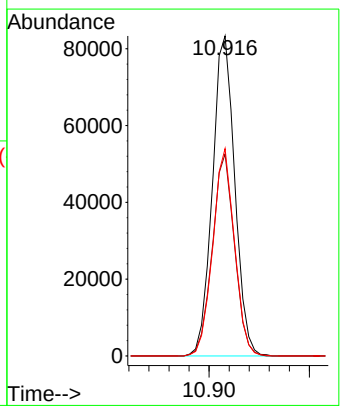
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

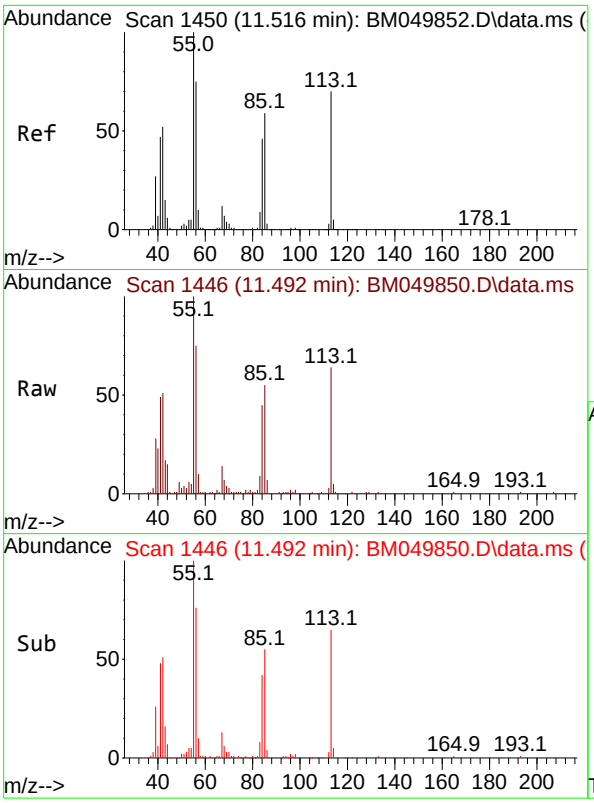


#34
Hexachlorobutadiene
Concen: 9.540 ng
RT: 10.916 min Scan# 1348
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:225 Resp: 128662

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





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

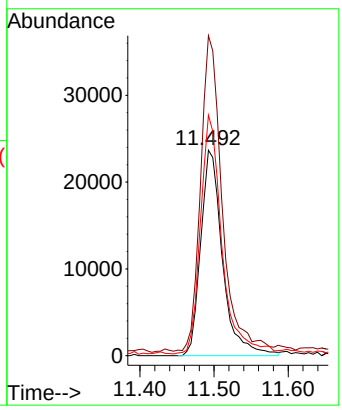
Tgt Ion:113 Resp: 4834

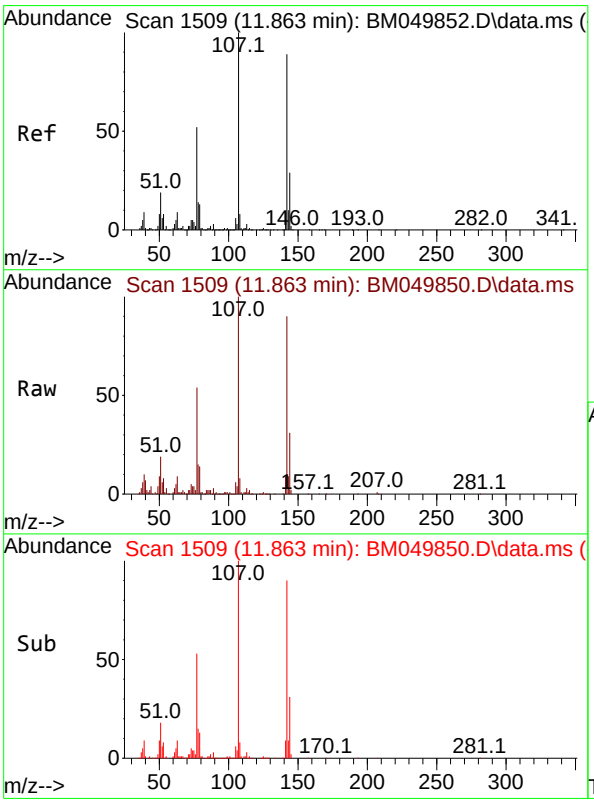
Ion	Ratio	Lower	Upper
113	100		
55	155.7	124.3	164.3
56	117.0	87.5	127.5

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

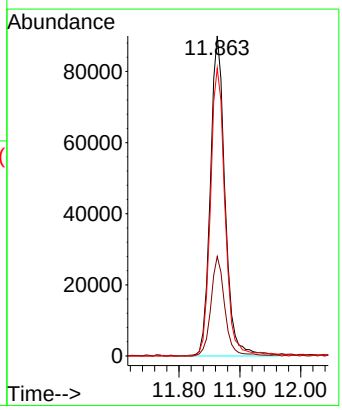


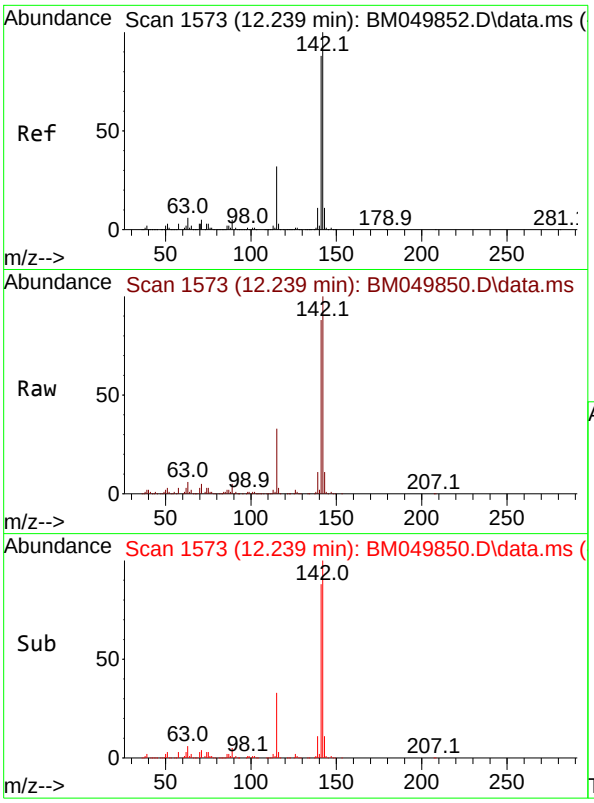


#36
4-Chloro-3-methylphenol
Concen: 9.138 ng
RT: 11.863 min Scan# 1509
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:107 Resp: 150861

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

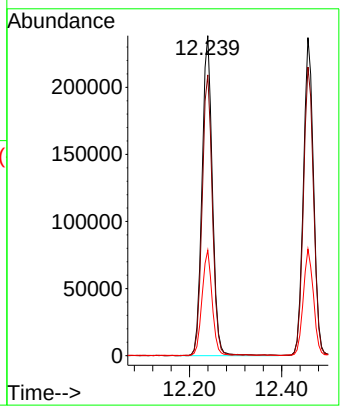




#37
2-Methylnaphthalene
Concen: 9.465 ng
RT: 12.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:142 Resp: 37407

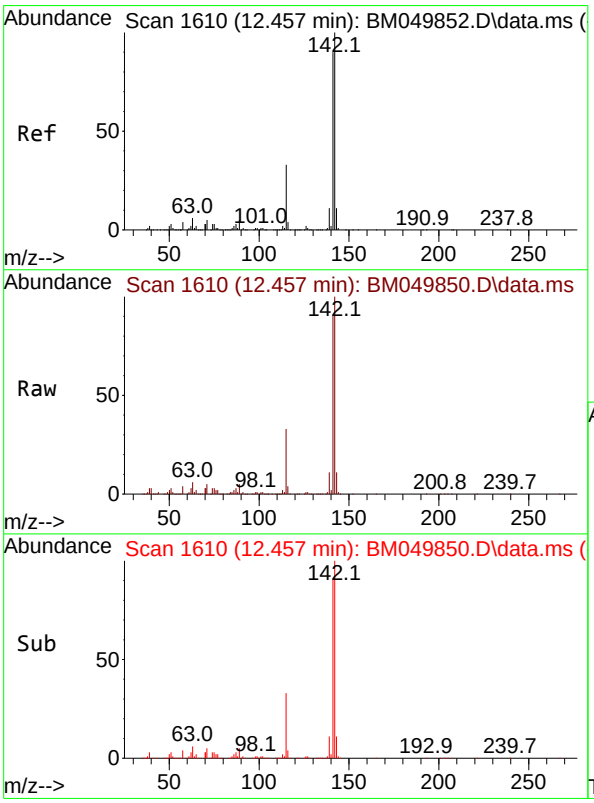
Ion	Ratio	Lower	Upper
142	100		
141	87.8	70.2	105.2
115	33.0	25.4	38.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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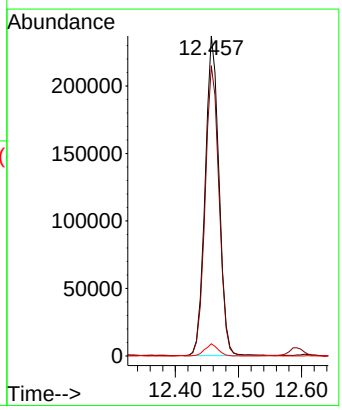
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

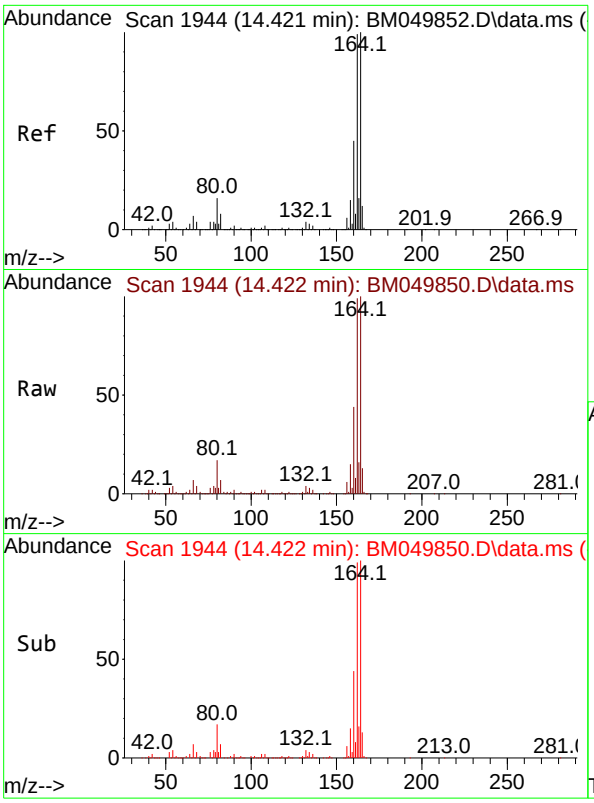


#38
1-Methylnaphthalene
Concen: 9.346 ng
RT: 12.457 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:142 Resp: 359844

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

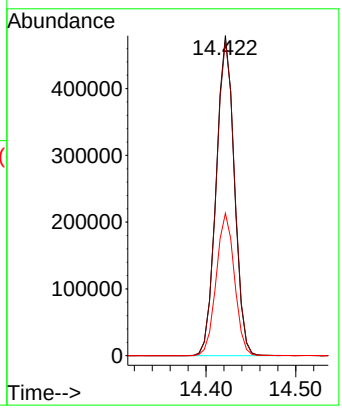




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.422 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:164 Resp: 67118

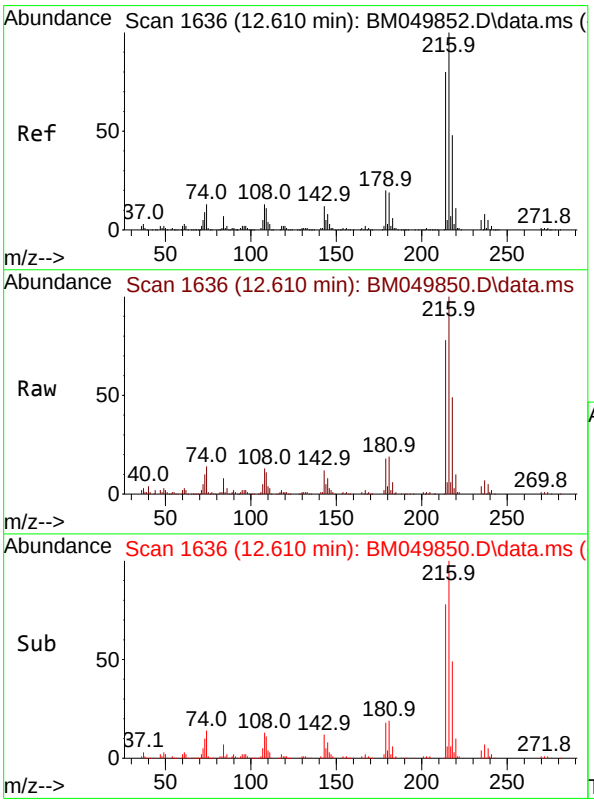
Ion	Ratio	Lower	Upper
164	100		
162	98.7	79.4	119.0
160	44.5	36.2	54.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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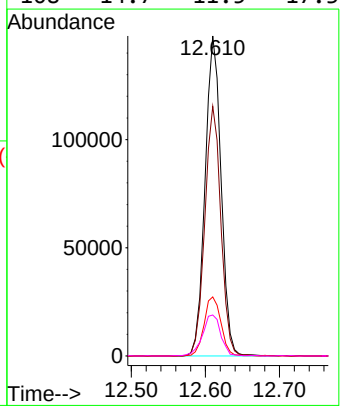
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

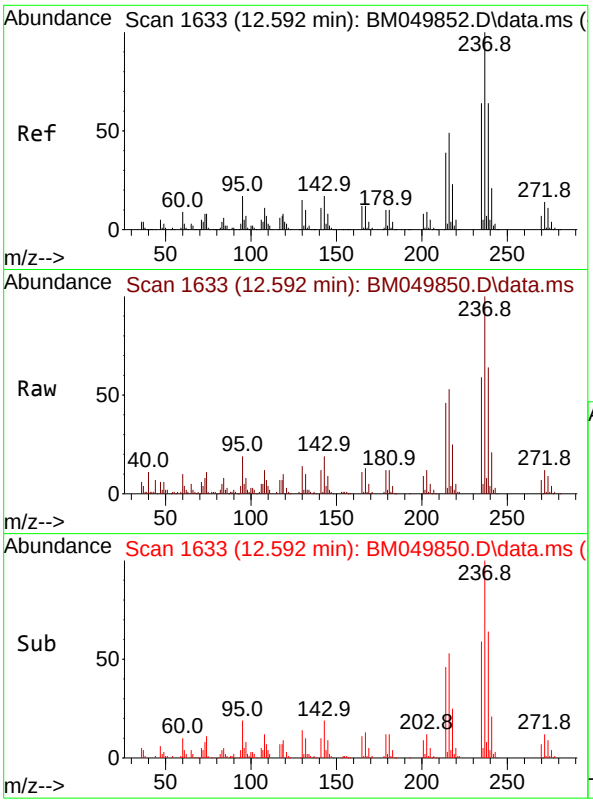


#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.458 ng
RT: 12.610 min Scan# 1636
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:216 Resp: 222088

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

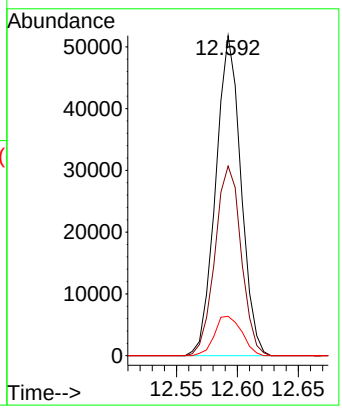




#41
Hexachlorocyclopentadiene
Concen: 9.083 ng
RT: 12.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:237 Resp: 7473

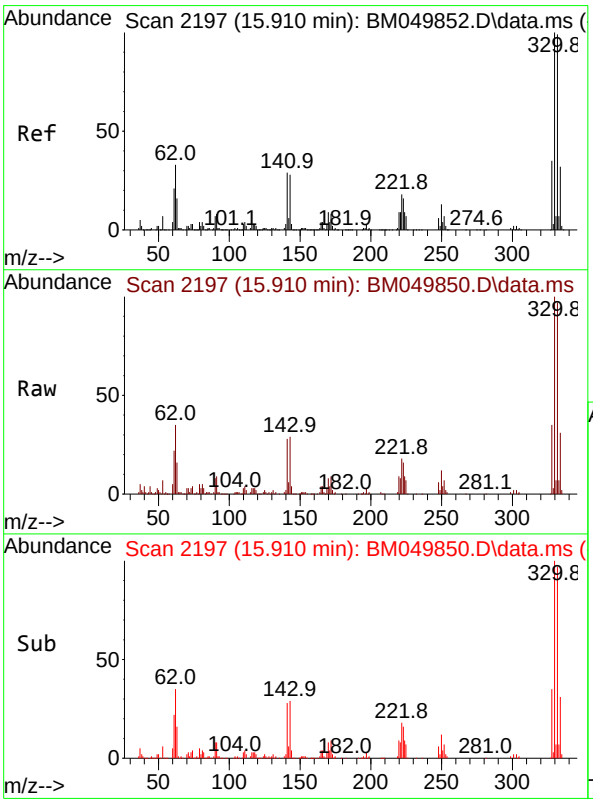
Ion	Ratio	Lower	Upper
237	100		
235	59.2	43.7	83.7
272	12.3	0.0	33.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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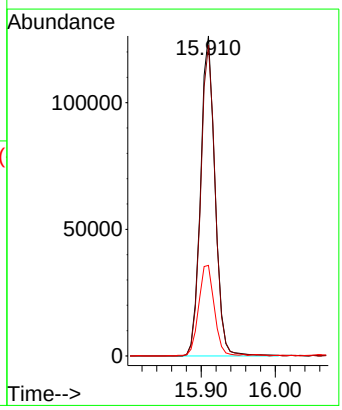
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

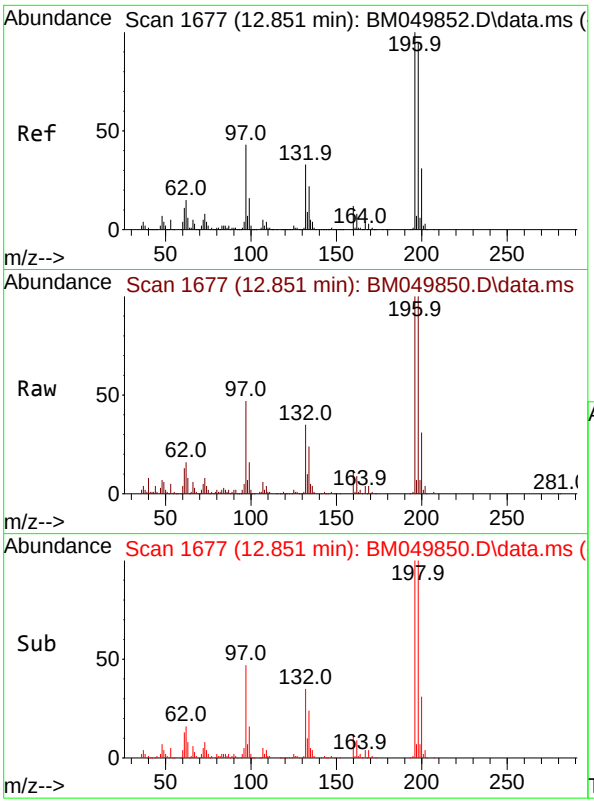


#42
2,4,6-Tribromophenol
Concen: 17.530 ng
RT: 15.910 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:330 Resp: 171135

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

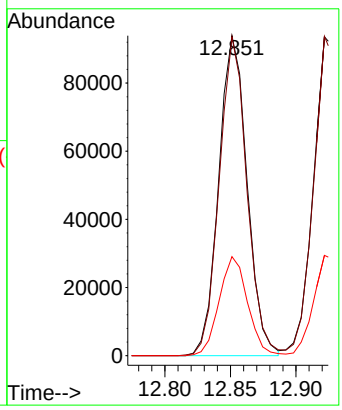




#43
2,4,6-Trichlorophenol
Concen: 9.442 ng
RT: 12.851 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:196 Resp: 14108

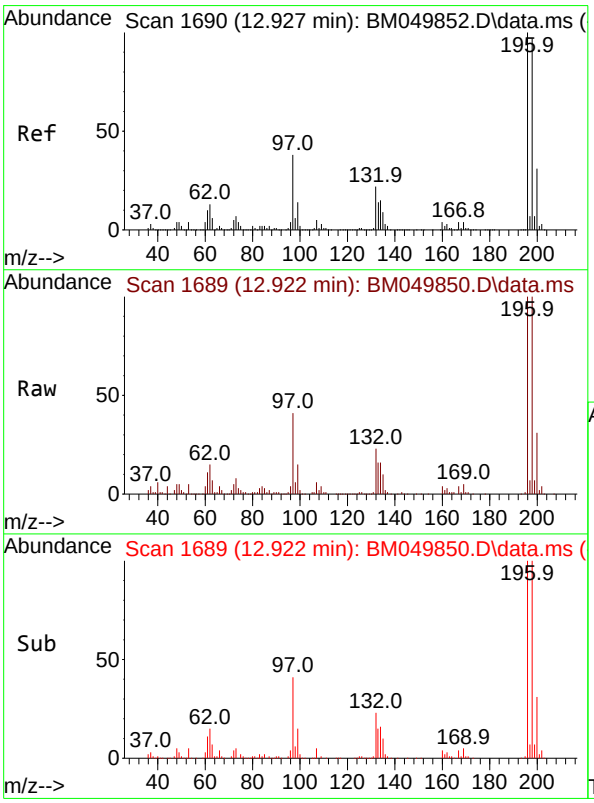
Ion	Ratio	Lower	Upper
196	100		
198	99.7	76.1	114.1
200	31.0	24.7	37.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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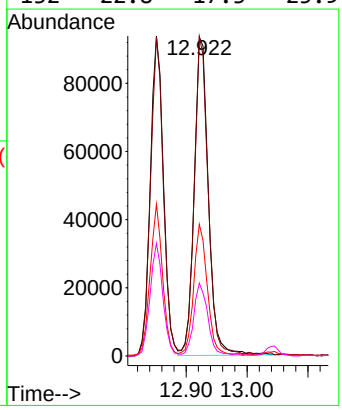
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

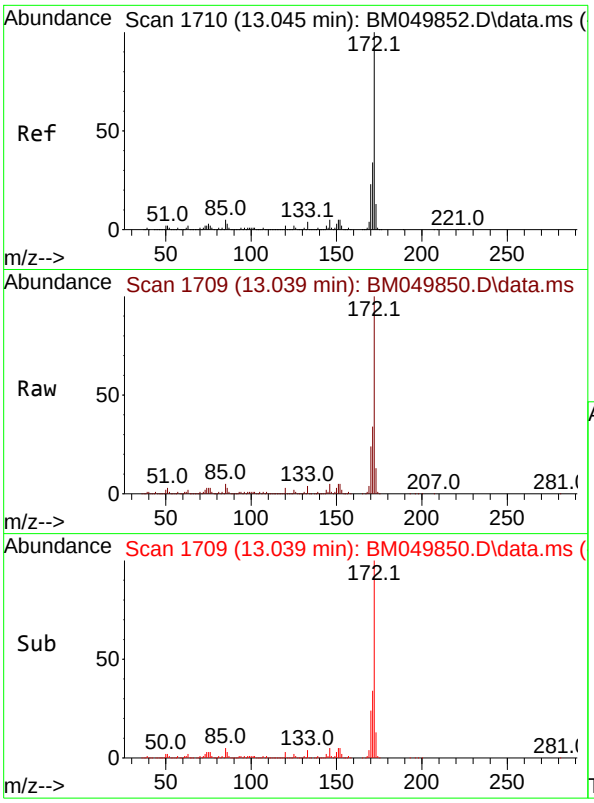


#44
2,4,5-Trichlorophenol
Concen: 9.342 ng
RT: 12.922 min Scan# 1689
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:196 Resp: 151683

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

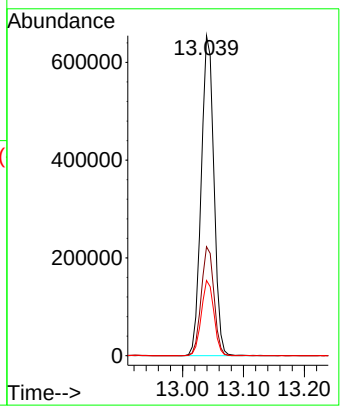




#45
2-Fluorobiphenyl
Concen: 19.175 ng
RT: 13.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:172 Resp: 94912

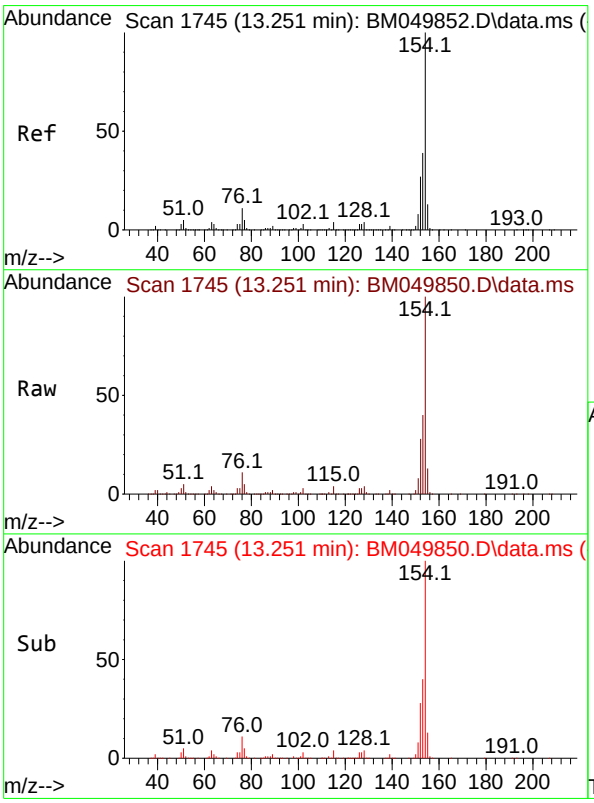
Ion	Ratio	Lower	Upper
172	100		
171	34.0	27.4	41.2
170	23.5	18.6	28.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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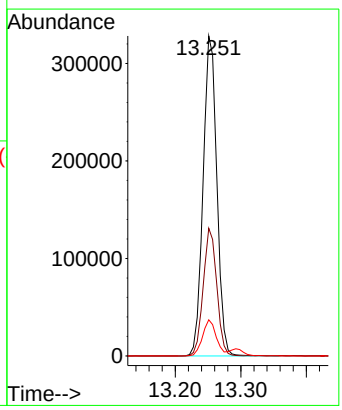
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

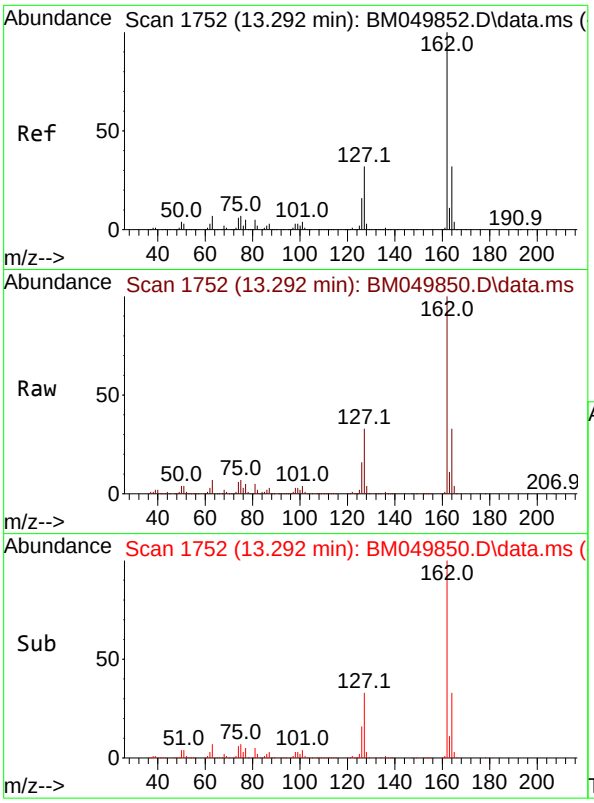


#46
1,1'-Biphenyl
Concen: 9.609 ng
RT: 13.251 min Scan# 1745
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:154 Resp: 479426

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

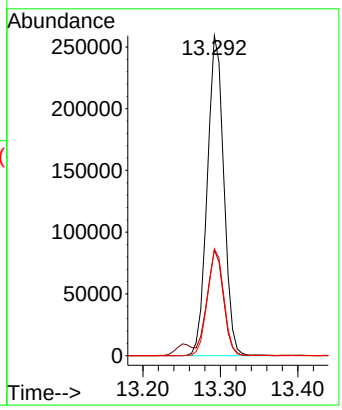




#47
2-Chloronaphthalene
Concen: 9.789 ng
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:162 Resp: 38388

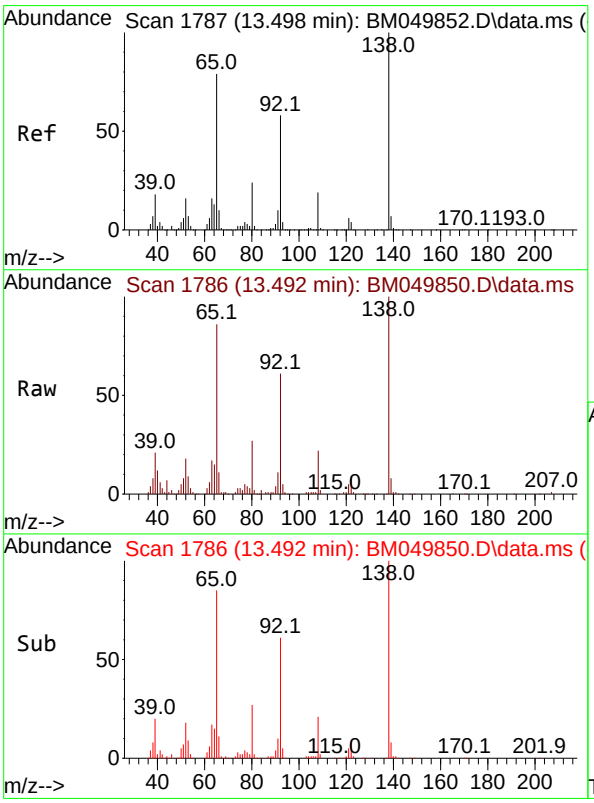
Ion	Ratio	Lower	Upper
162	100		
127	33.0	26.0	39.0
164	33.4	25.9	38.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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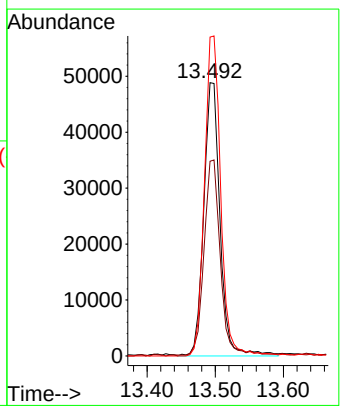
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

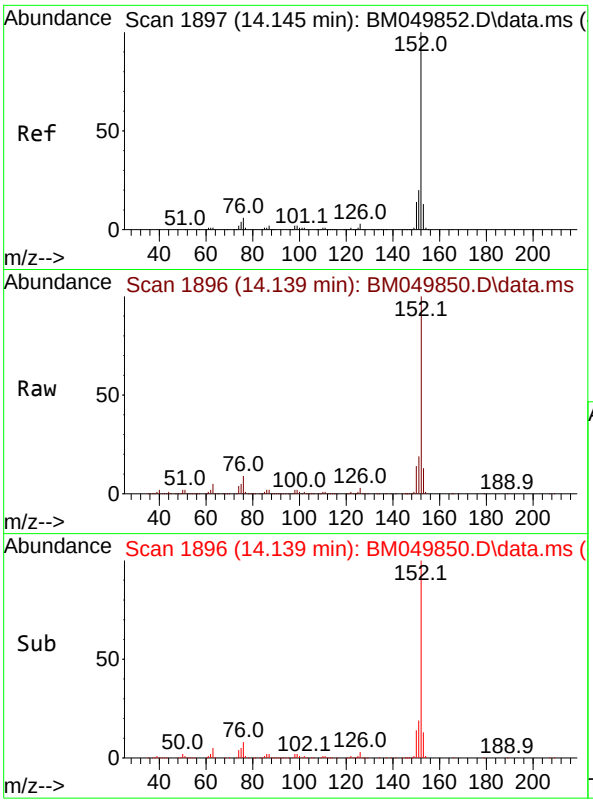


#48
2-Nitroaniline
Concen: 8.968 ng
RT: 13.492 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 65 Resp: 81359

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

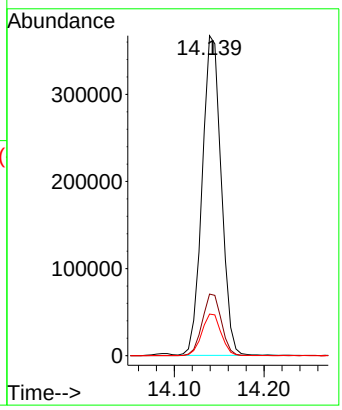




#49
Acenaphthylene
Concen: 9.479 ng
RT: 14.139 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:152 Resp: 54147

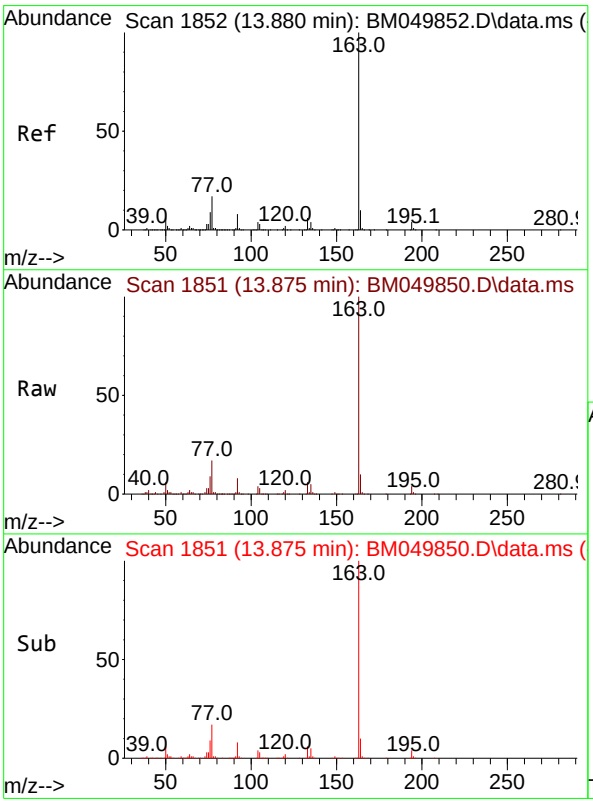
Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.7	23.5
153	13.0	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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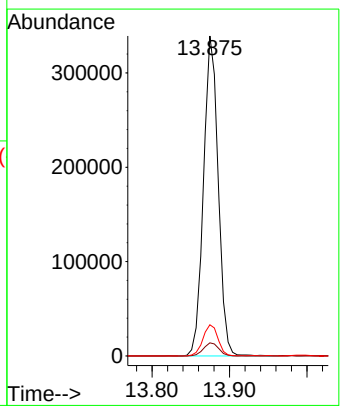
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

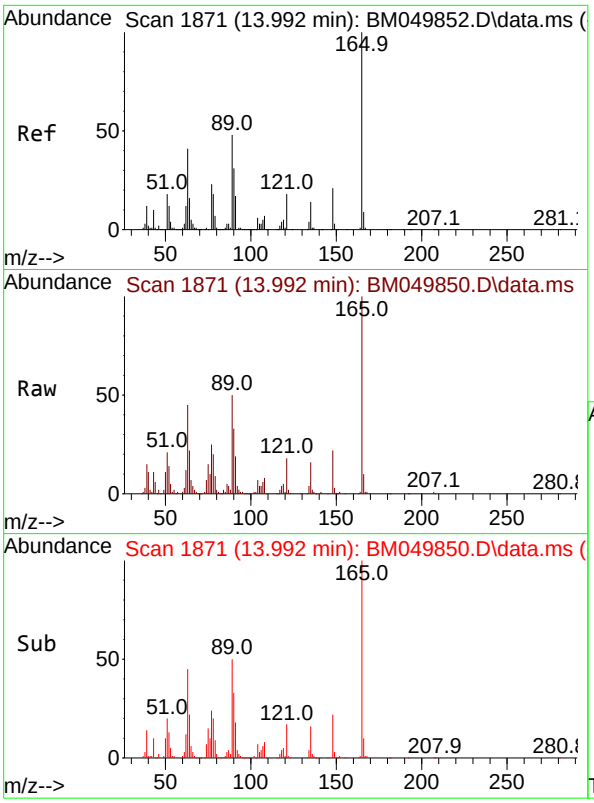


#50
Dimethylphthalate
Concen: 9.431 ng
RT: 13.875 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:163 Resp: 446549

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

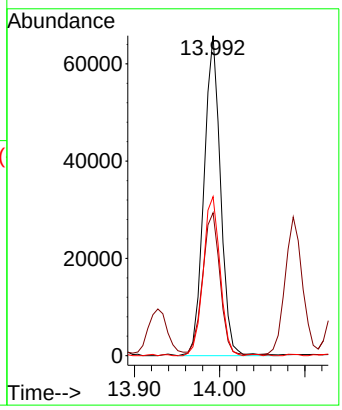




#51
2,6-Dinitrotoluene
Concen: 8.953 ng
RT: 13.992 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:165 Resp: 8881

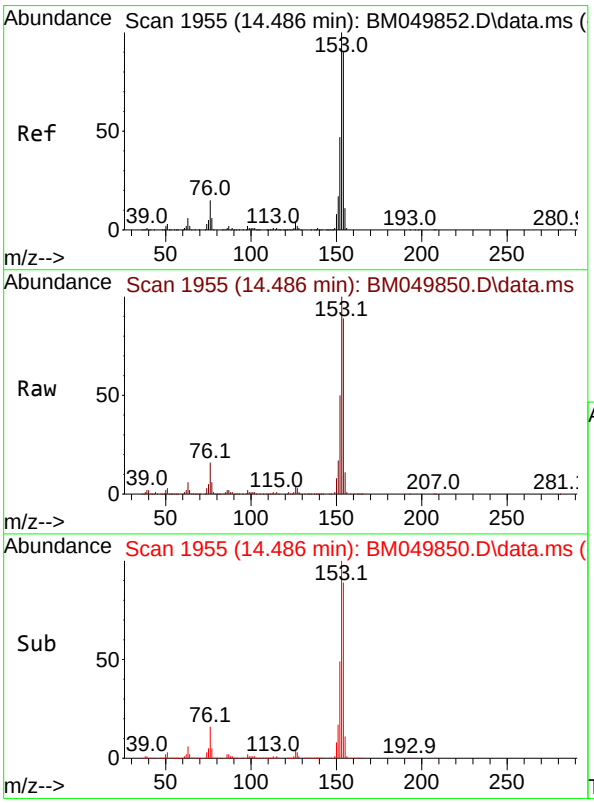
Ion	Ratio	Lower	Upper
165	100		
63	44.6	36.1	54.1
89	49.7	38.3	57.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

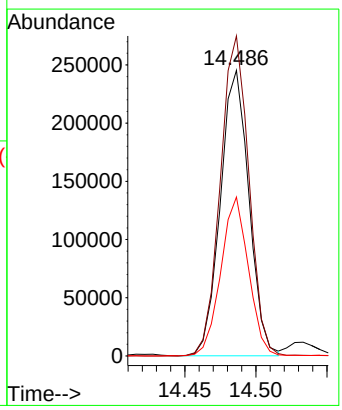
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

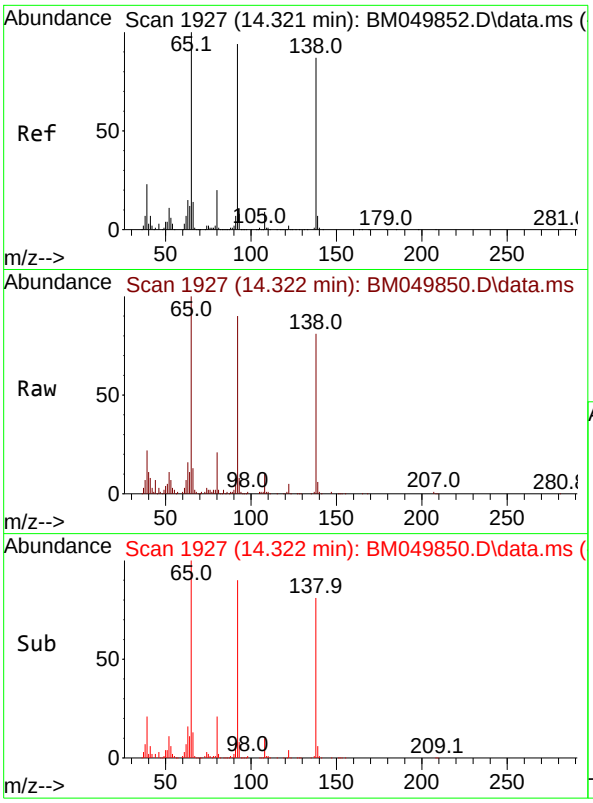


#52
Acenaphthene
Concen: 9.452 ng
RT: 14.486 min Scan# 1955
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:154 Resp: 343452

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





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

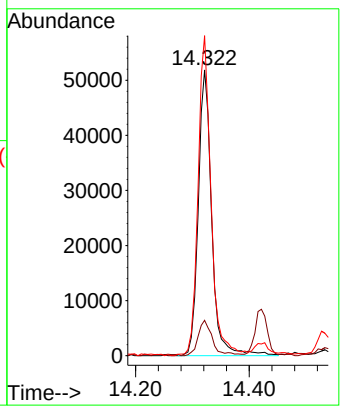
Tgt Ion:138 Resp: 8491

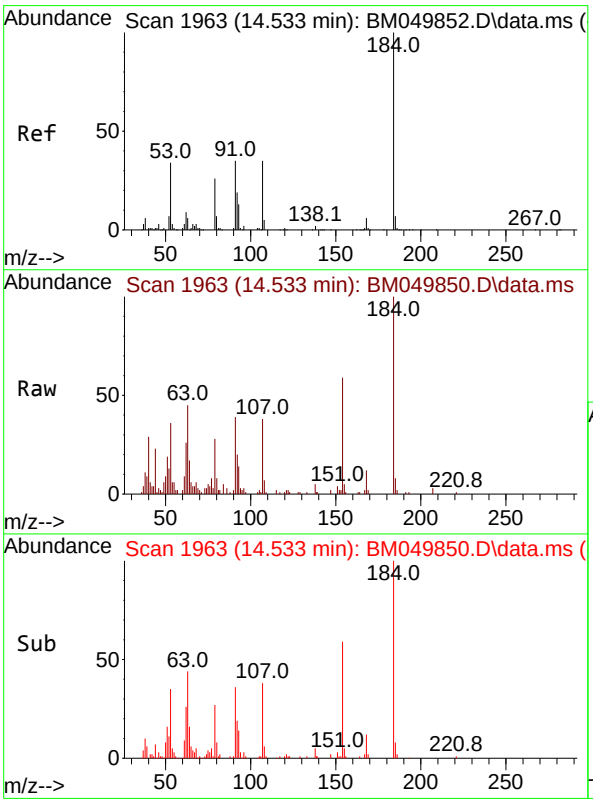
Ion	Ratio	Lower	Upper
138	100		
108	12.4	8.1	12.1
92	112.0	86.5	129.7

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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

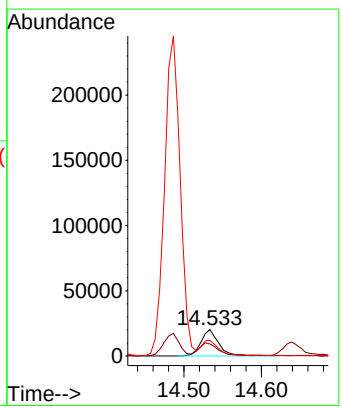


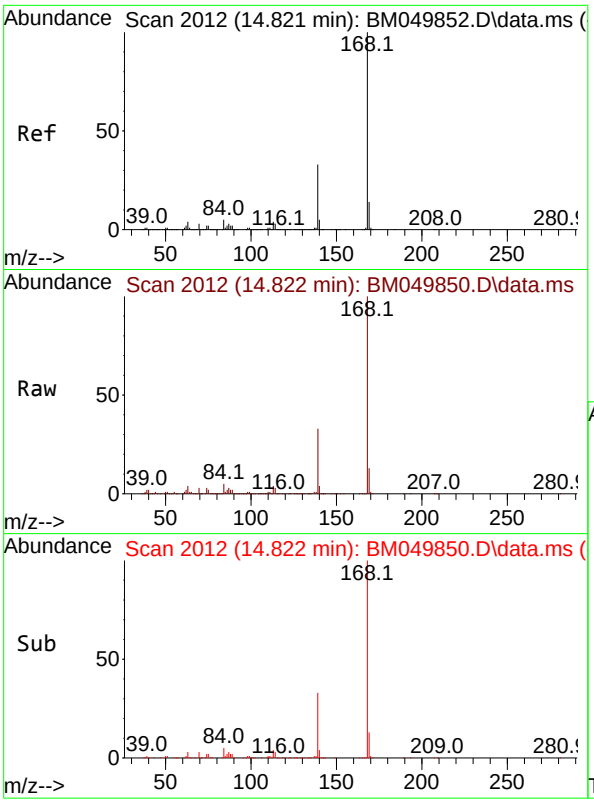


#54
2,4-Dinitrophenol
Concen: 11.325 ng
RT: 14.533 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:184 Resp: 32385

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

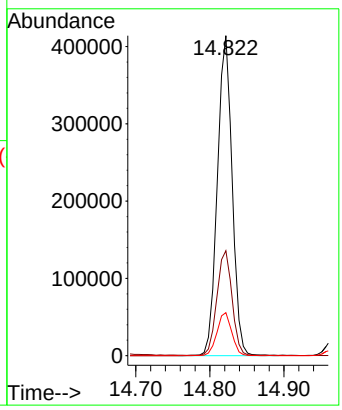




#55
Dibenzofuran
Concen: 9.443 ng
RT: 14.822 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:168 Resp: 57356

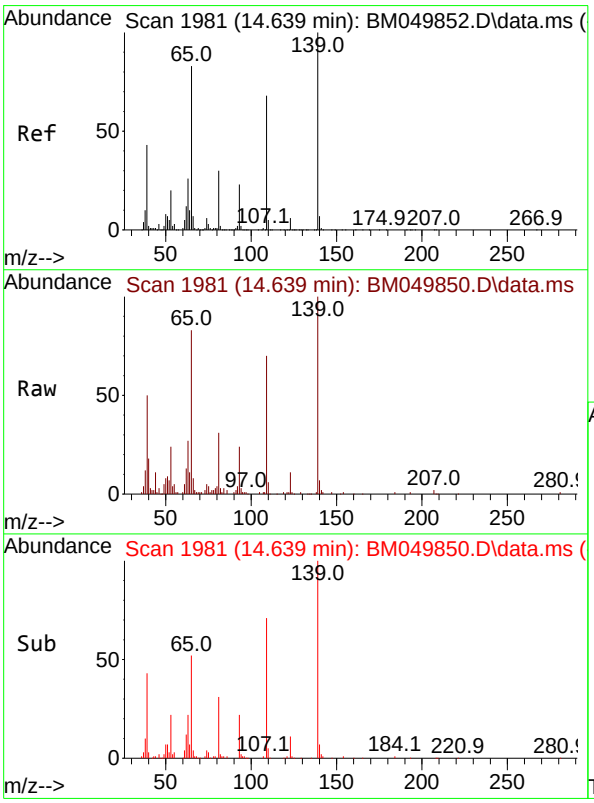
Ion	Ratio	Lower	Upper
168	100		
139	32.8	26.6	39.8
169	13.5	11.0	16.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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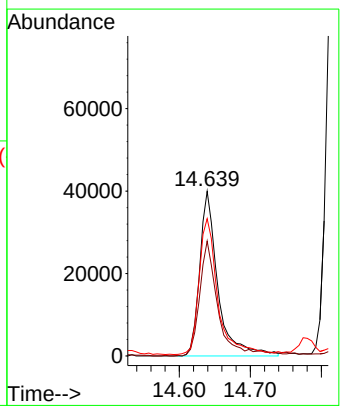
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

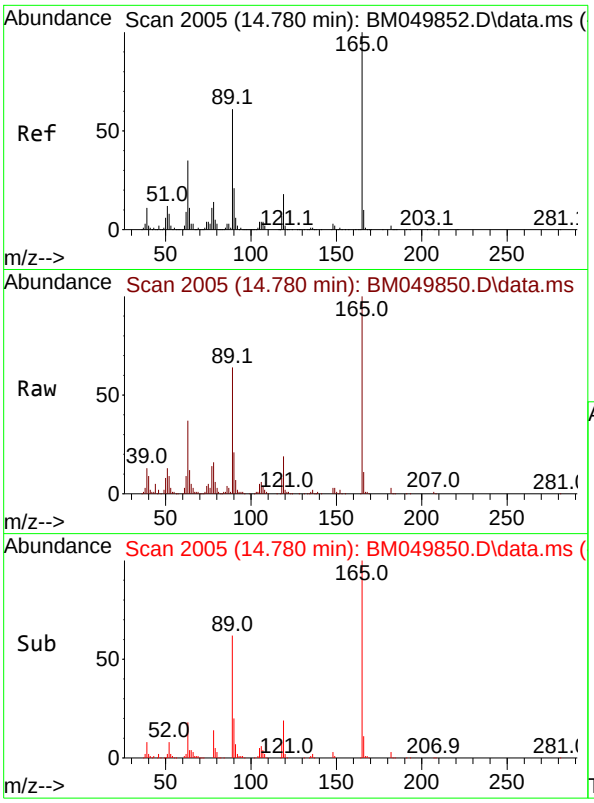


#56
4-Nitrophenol
Concen: 8.373 ng
RT: 14.639 min Scan# 1981
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:139 Resp: 71545

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

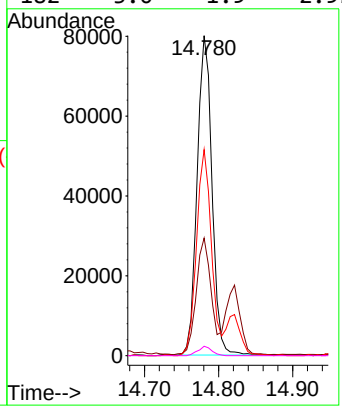




#57
2,4-Dinitrotoluene
Concen: 8.433 ng
RT: 14.780 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:165 Resp: 11161

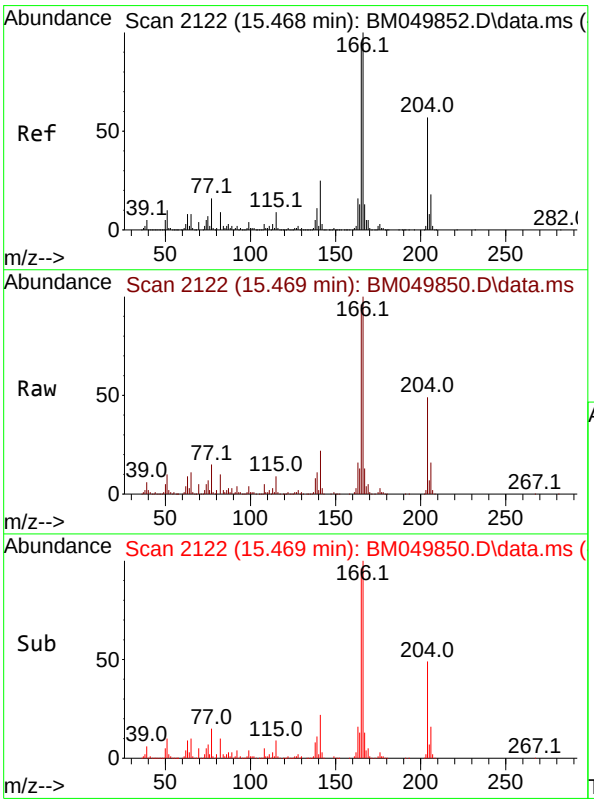
Ion	Ratio	Lower	Upper
165	100		
63	36.8	28.6	42.8
89	64.4	49.0	73.6
182	3.0	1.9	2.9#



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

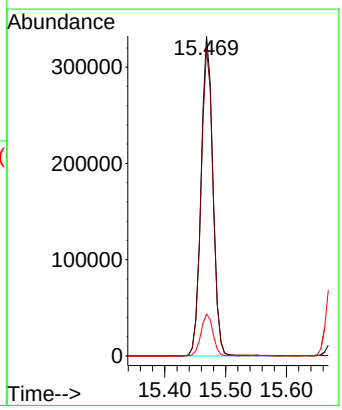
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

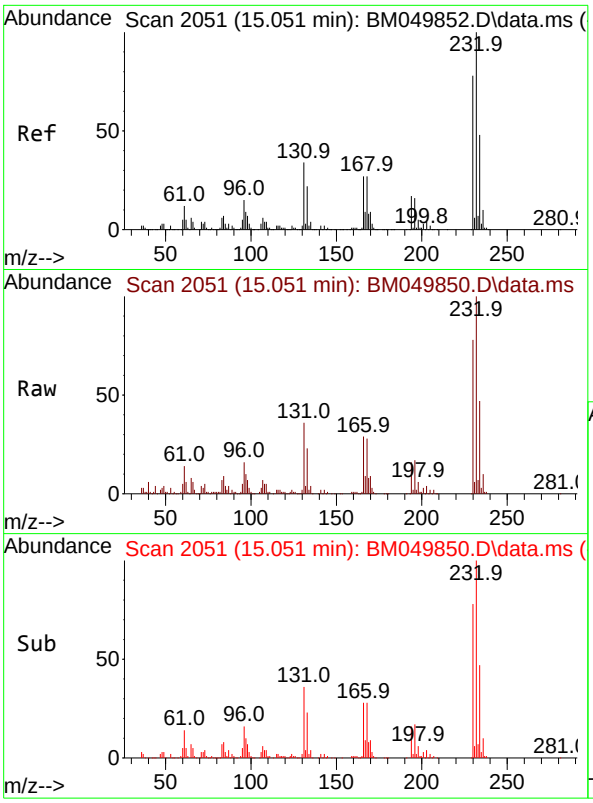


#58
Fluorene
Concen: 9.279 ng
RT: 15.469 min Scan# 2122
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:166 Resp: 448037

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

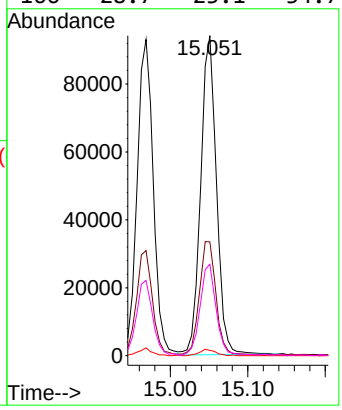




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.351 ng
RT: 15.051 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:232 Resp: 13308(

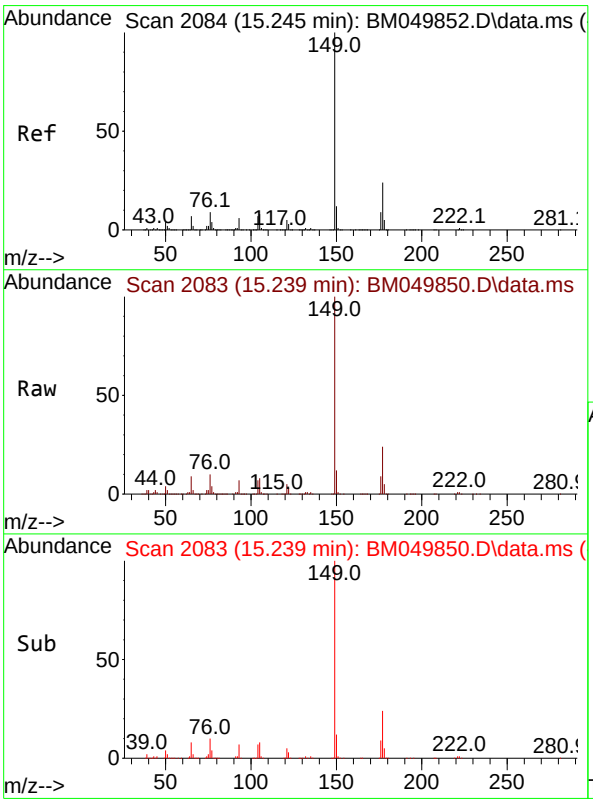
Ion	Ratio	Lower	Upper
232	100		
131	37.4	28.4	42.6
130	2.0	1.6	2.4
166	28.7	23.1	34.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

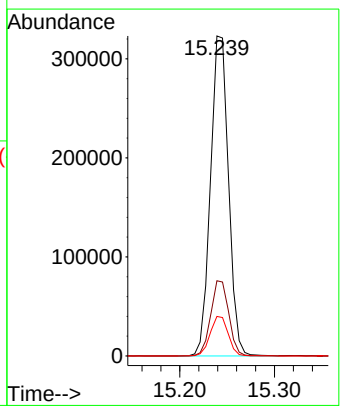
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

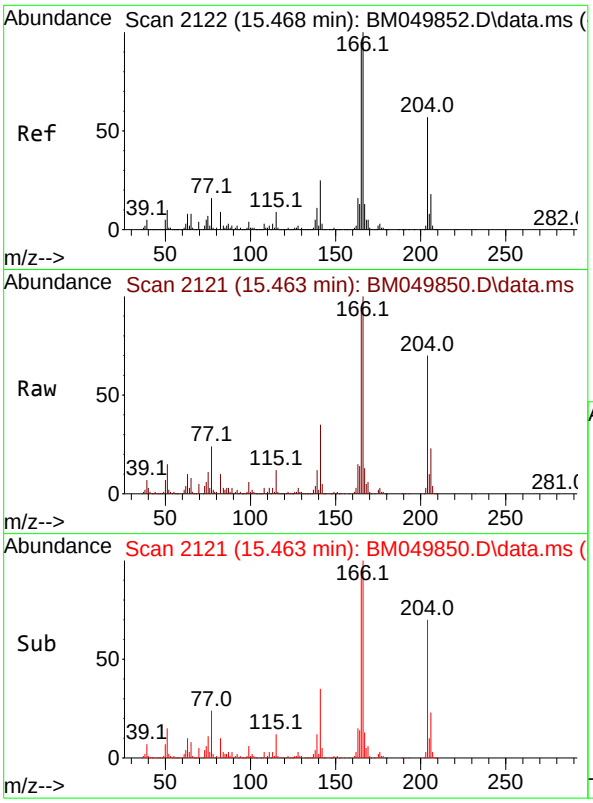


#60
Diethylphthalate
Concen: 9.387 ng
RT: 15.239 min Scan# 2083
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:149 Resp: 426265

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

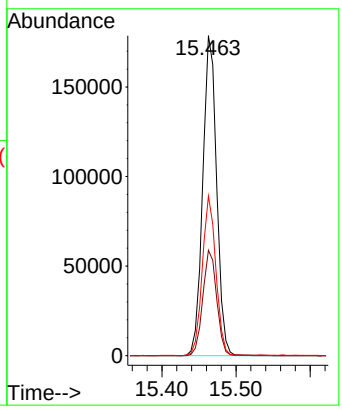




#61
4-Chlorophenyl-phenylether
Concen: 8.992 ng
RT: 15.463 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:204 Resp: 23276

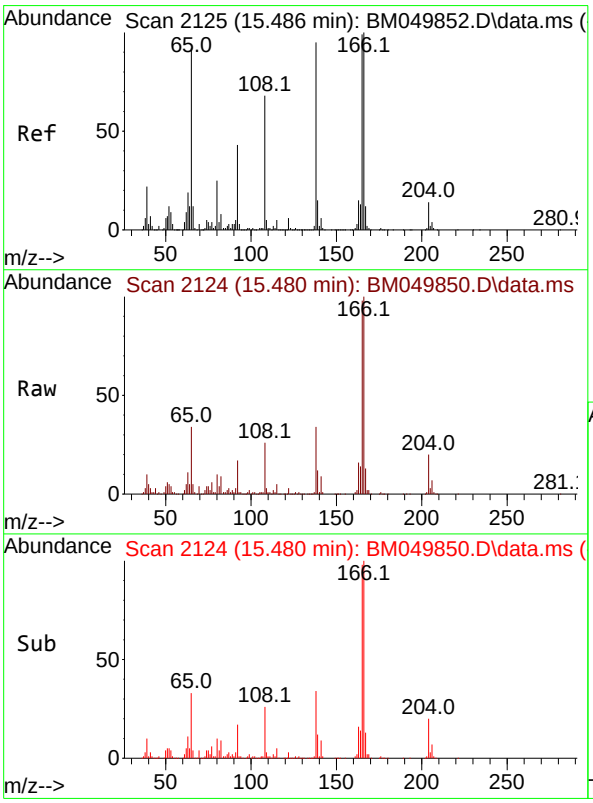
Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.2	39.2
141	49.9	35.0	52.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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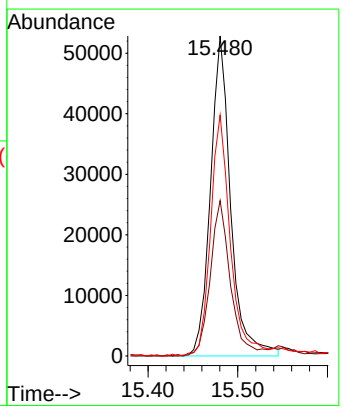
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

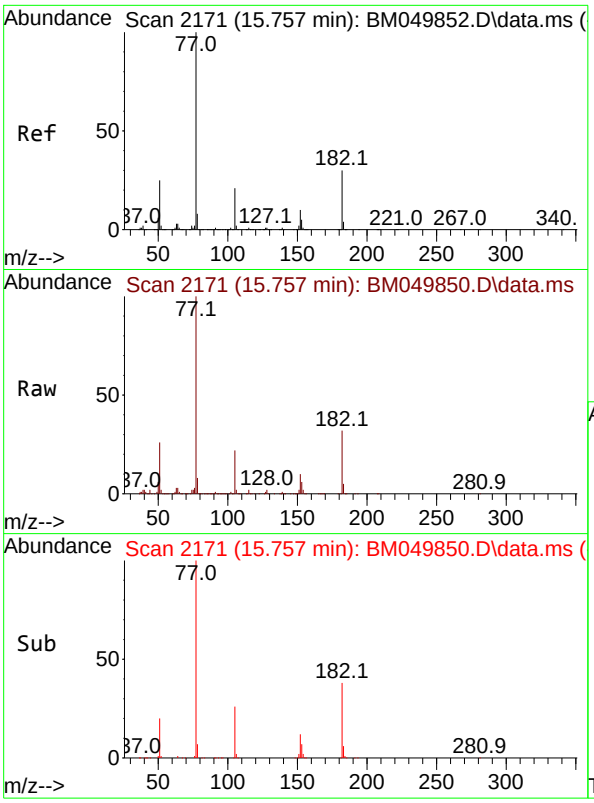


#62
4-Nitroaniline
Concen: 8.354 ng
RT: 15.480 min Scan# 2124
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:138 Resp: 82838

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

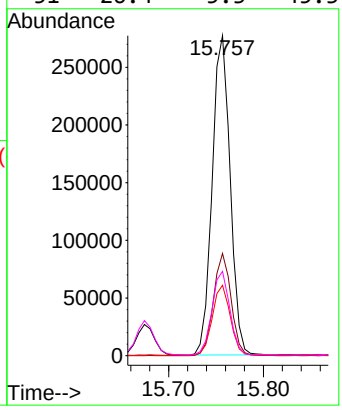




#63
Azobenzene
Concen: 9.366 ng
RT: 15.757 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 77 Resp: 36411

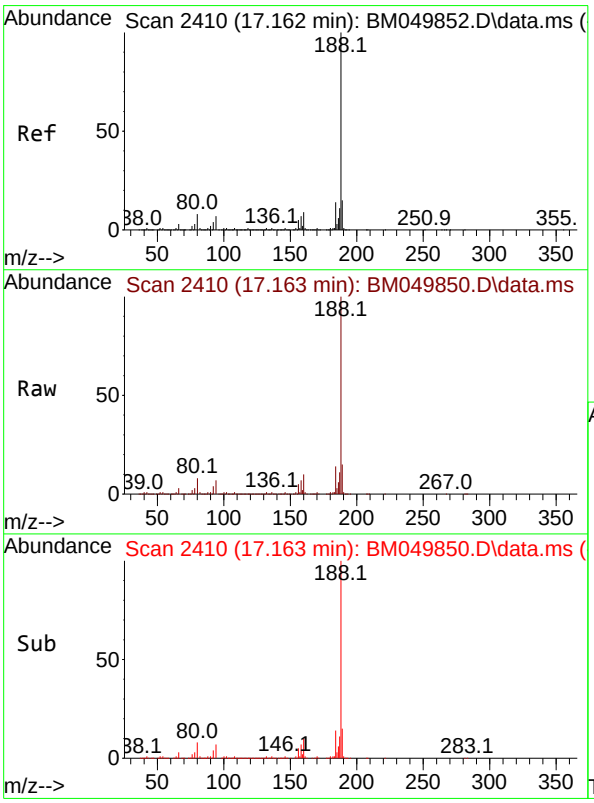
Ion	Ratio	Lower	Upper
77	100		
182	31.9	10.4	50.4
105	22.0	1.5	41.5
51	26.4	5.3	45.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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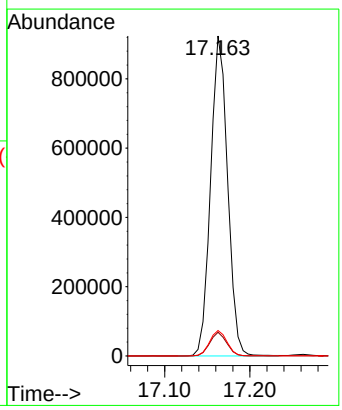
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

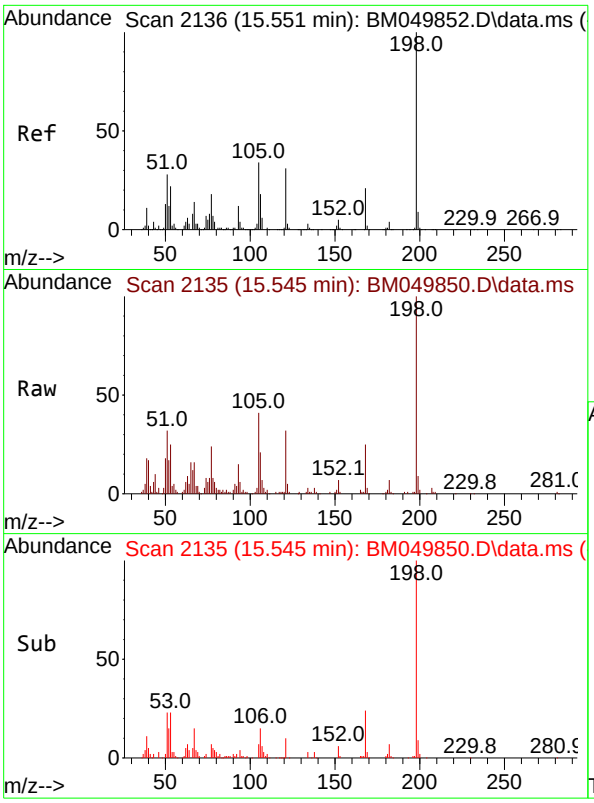


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.163 min Scan# 2410
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:188 Resp: 1281742

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





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

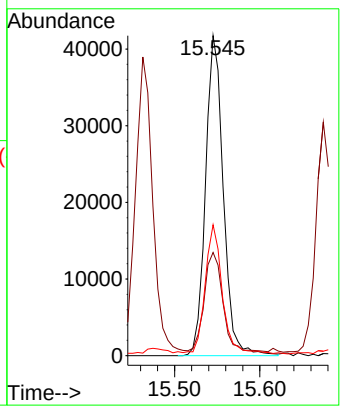
Tgt Ion:198 Resp: 6049

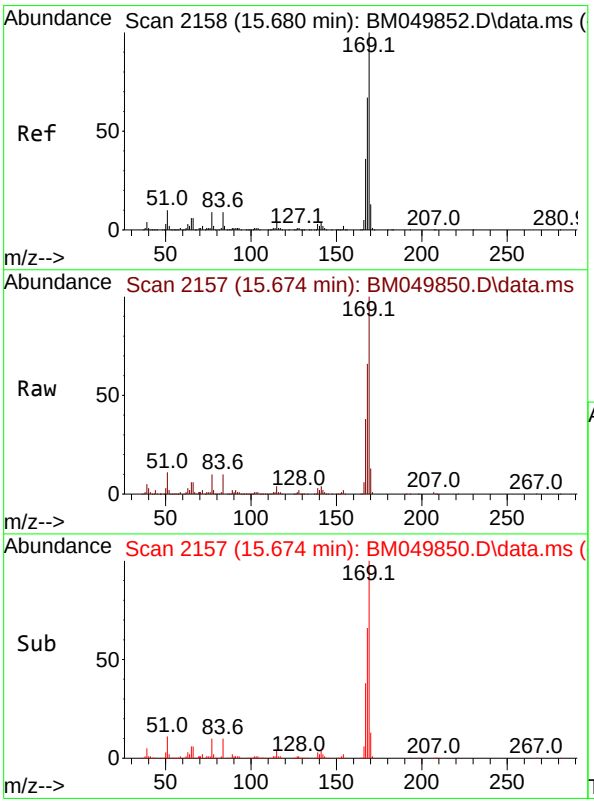
Ion	Ratio	Lower	Upper
198	100		
51	32.3	9.6	49.6
105	40.9	14.7	54.7

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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

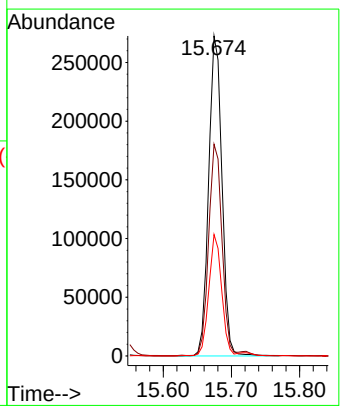


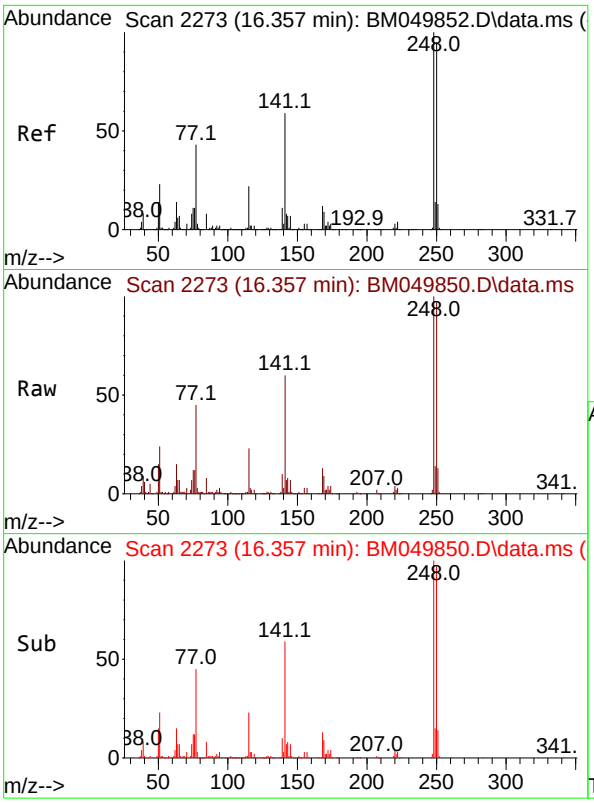


#66
n-Nitrosodiphenylamine
Concen: 9.657 ng
RT: 15.674 min Scan# 2157
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:169 Resp: 370438

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

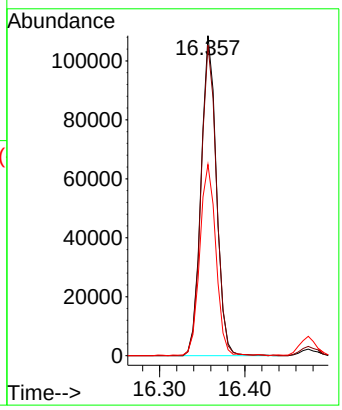




#67
4-Bromophenyl-phenylether
Concen: 9.139 ng
RT: 16.357 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:248 Resp: 13598

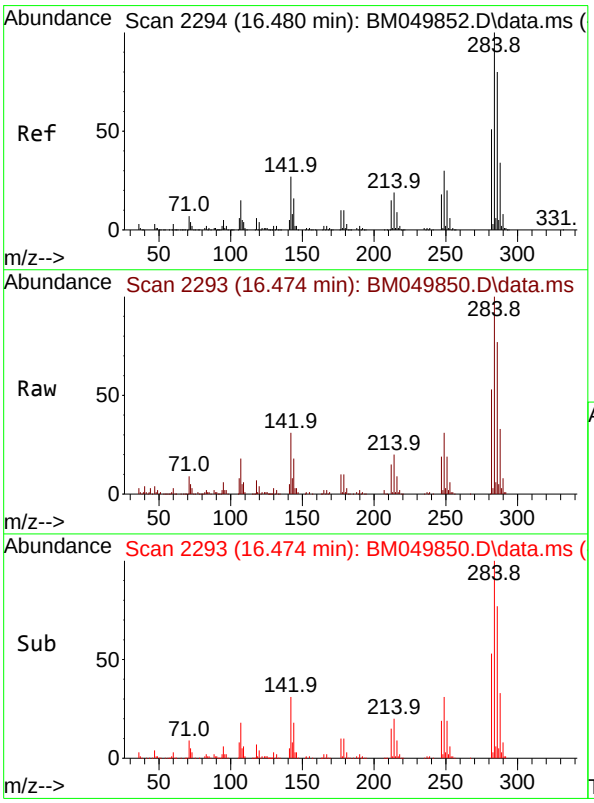
Ion	Ratio	Lower	Upper
248	100		
250	97.0	76.2	114.2
141	59.7	47.3	70.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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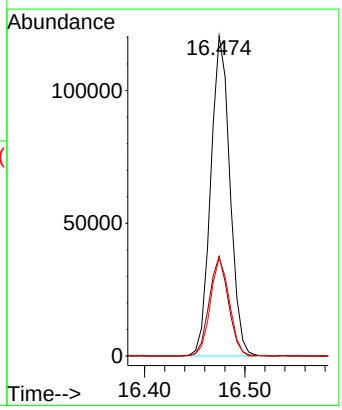
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

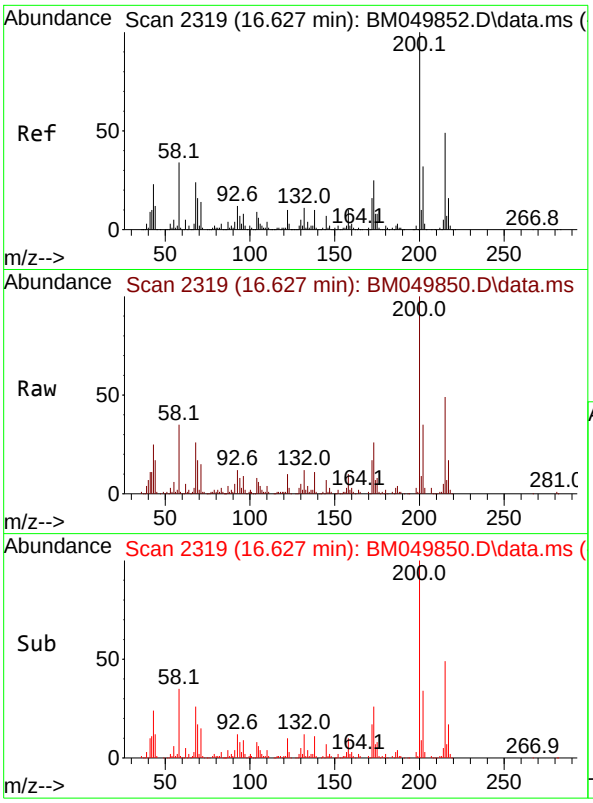


#68
Hexachlorobenzene
Concen: 9.383 ng
RT: 16.474 min Scan# 2293
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:284 Resp: 160142

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

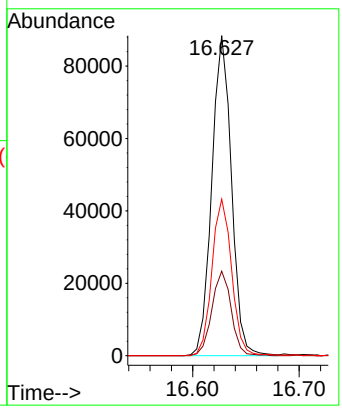




#69
Atrazine
Concen: 11.391 ng
RT: 16.627 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:200 Resp: 11328

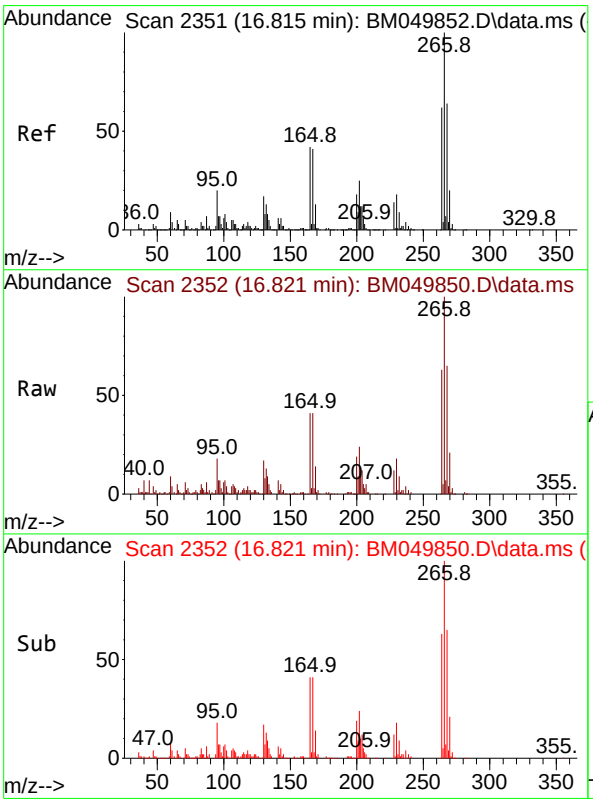
Ion	Ratio	Lower	Upper
200	100		
173	26.4	5.4	45.4
215	48.9	29.0	69.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

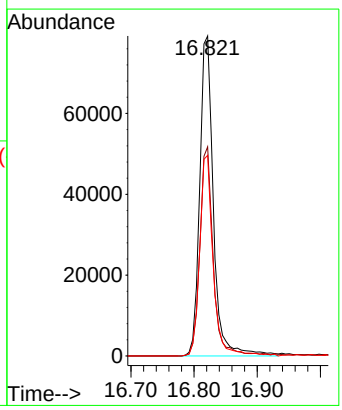
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

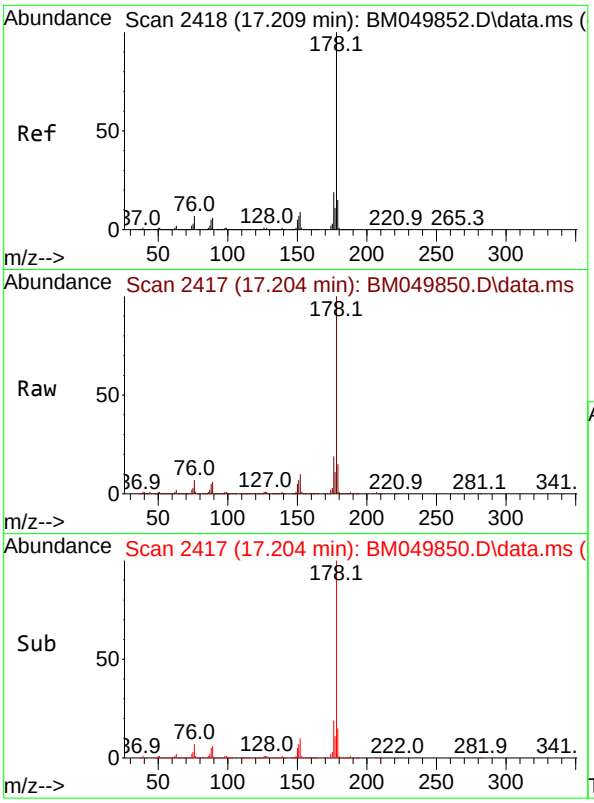


#70
Pentachlorophenol
Concen: 9.473 ng
RT: 16.821 min Scan# 2352
Delta R.T. 0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:266 Resp: 119030

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

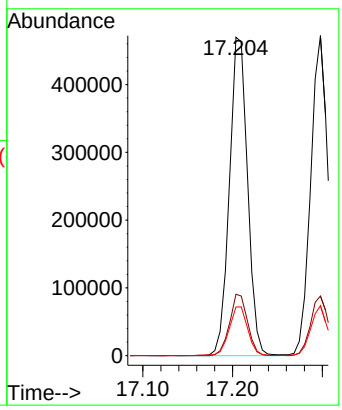




#71
Phenanthrene
Concen: 9.394 ng
RT: 17.204 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:178 Resp: 66014

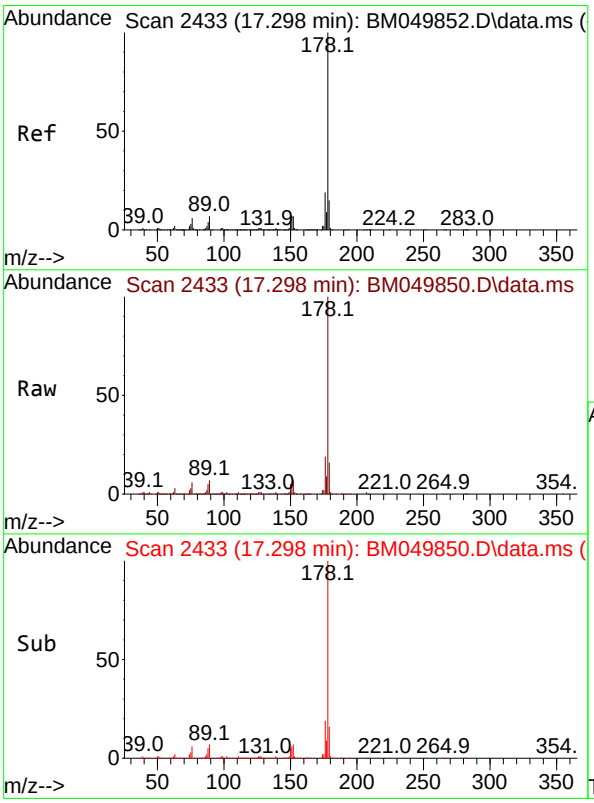
Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.3	12.3	18.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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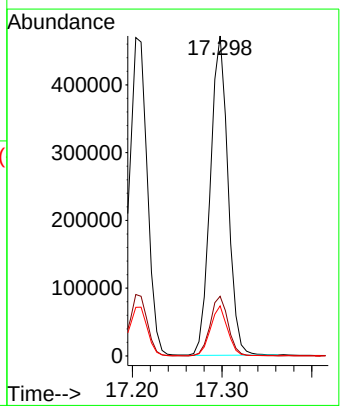
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

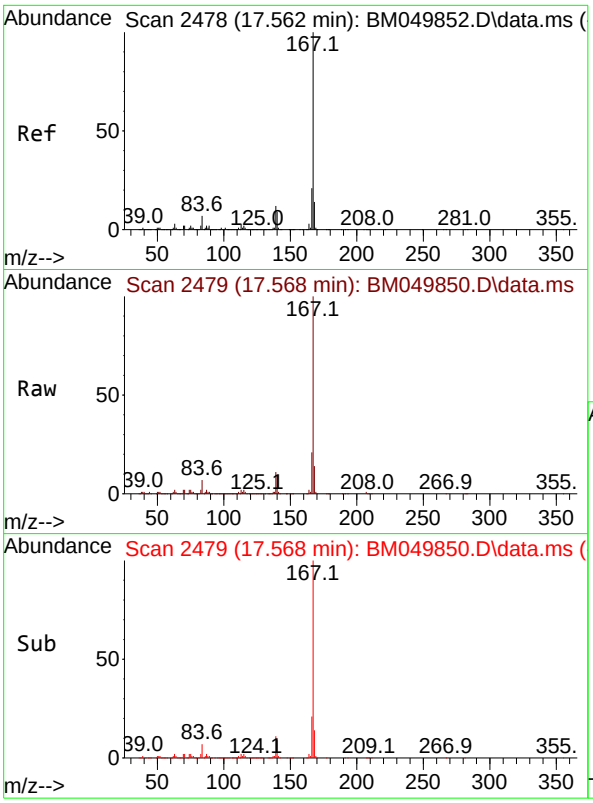


#72
Anthracene
Concen: 9.294 ng
RT: 17.298 min Scan# 2433
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:178 Resp: 643575

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





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

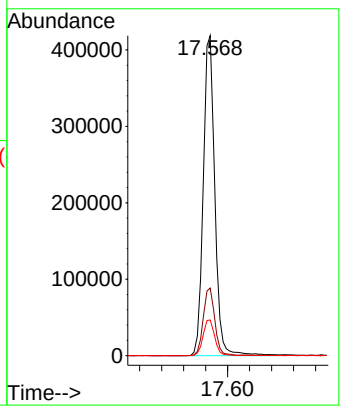
Tgt Ion:167 Resp: 61022

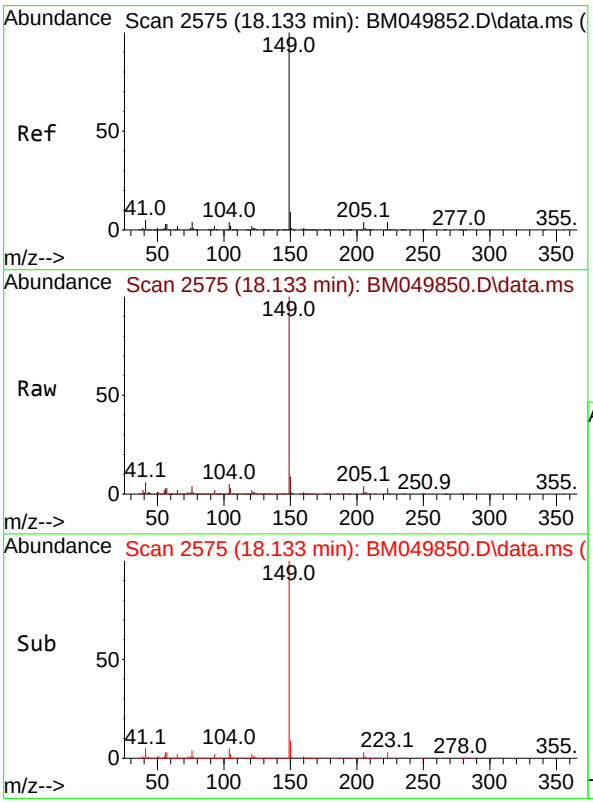
Ion	Ratio	Lower	Upper
167	100		
166	21.1	16.9	25.3
139	11.1	9.3	13.9

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

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

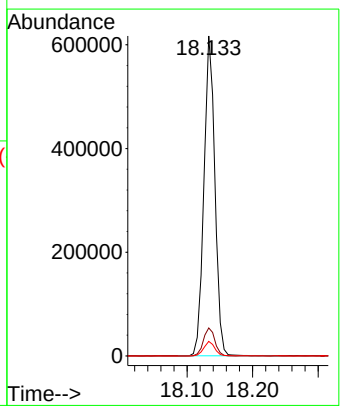


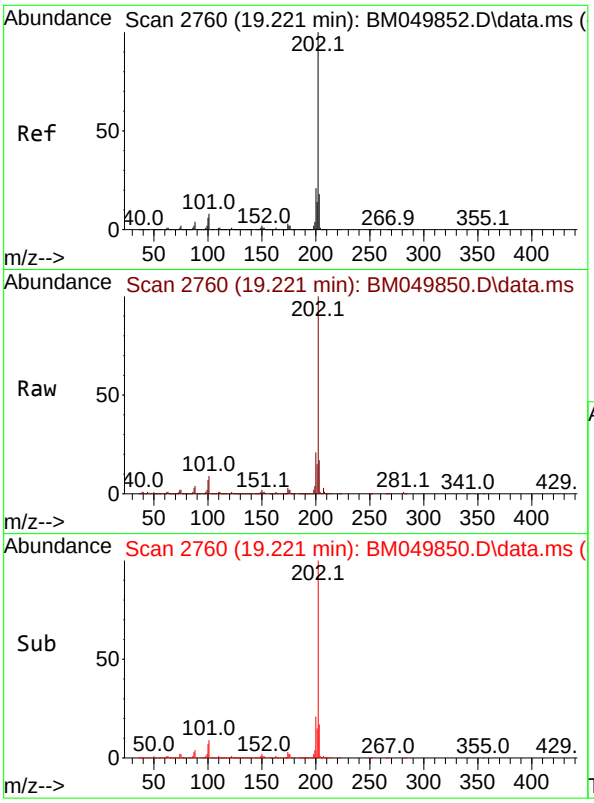


#74
Di-n-butylphthalate
Concen: 9.557 ng
RT: 18.133 min Scan# 2575
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:149 Resp: 717993

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





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

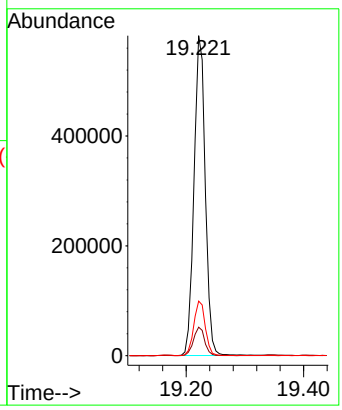
Tgt Ion:202 Resp: 77298

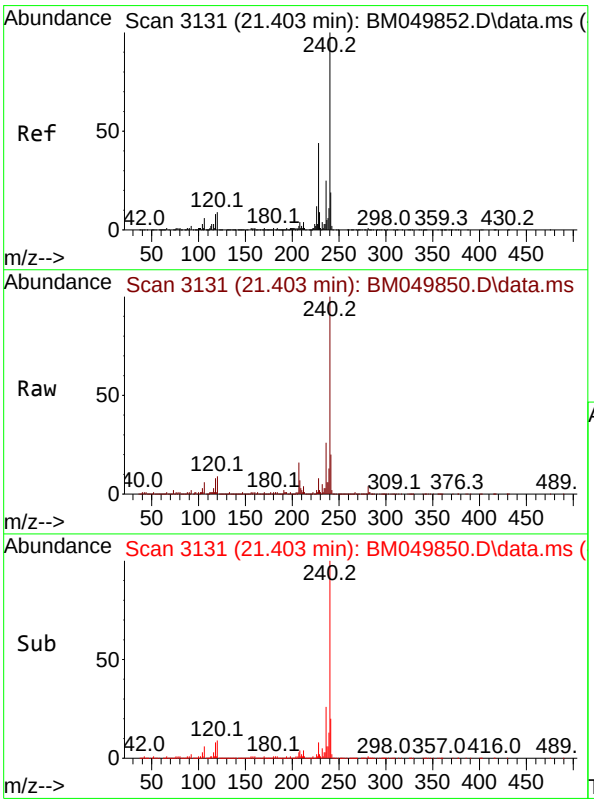
Ion	Ratio	Lower	Upper
202	100		
101	8.9	0.0	28.4
203	17.0	0.0	37.8

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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

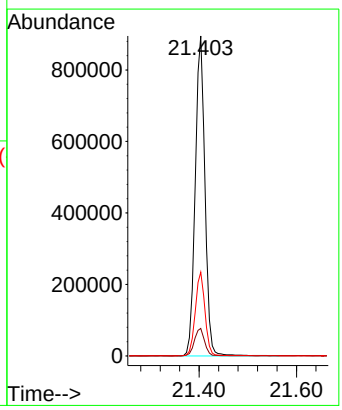


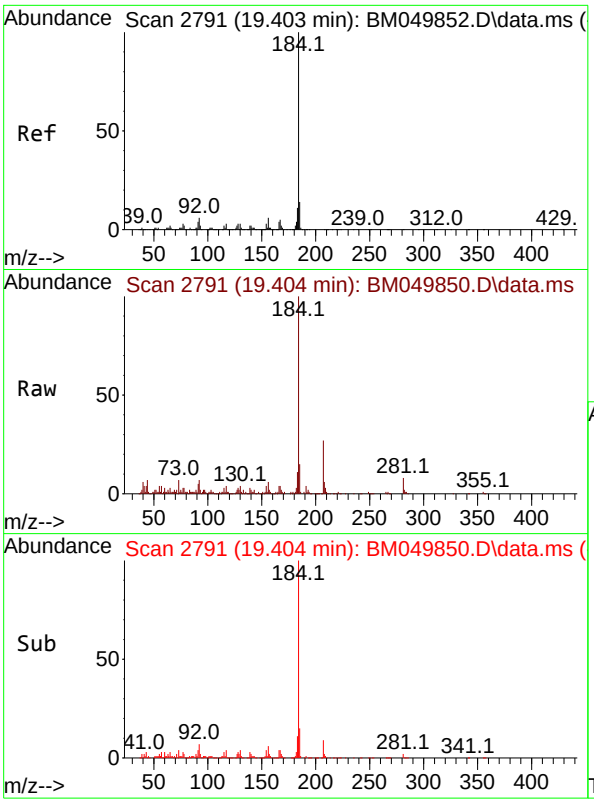


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:240 Resp: 1251521

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

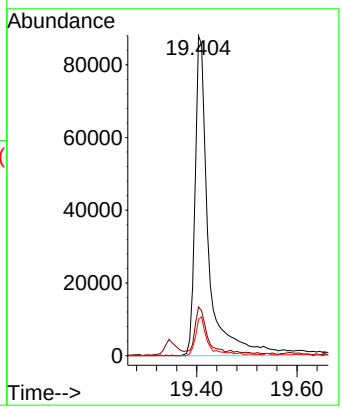




#77
Benzidine
Concen: 9.814 ng
RT: 19.404 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:184 Resp: 16294

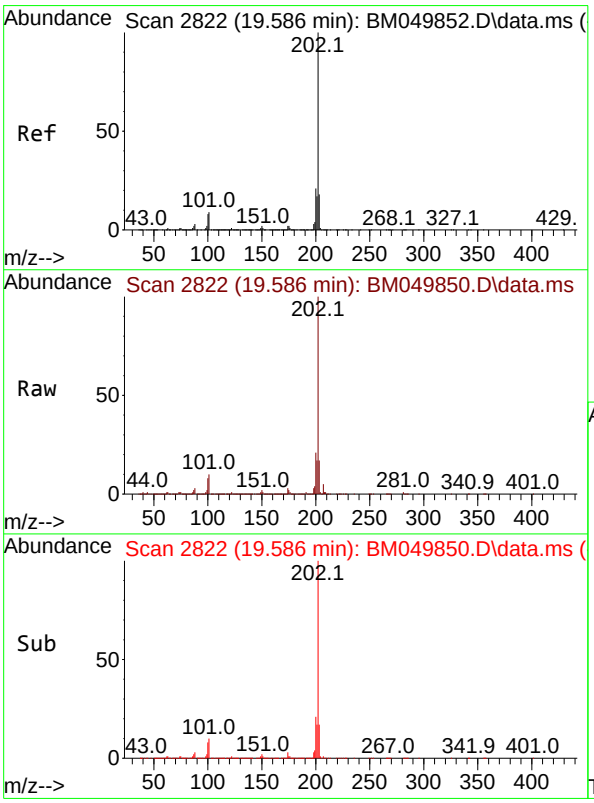
Ion	Ratio	Lower	Upper
184	100		
185	15.2	11.4	17.2
183	11.3	8.8	13.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

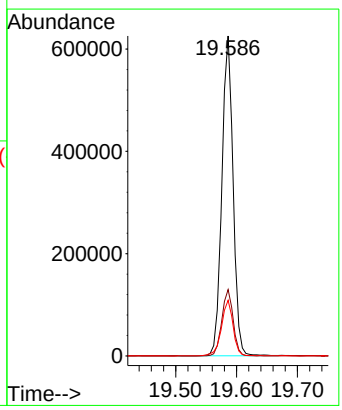
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

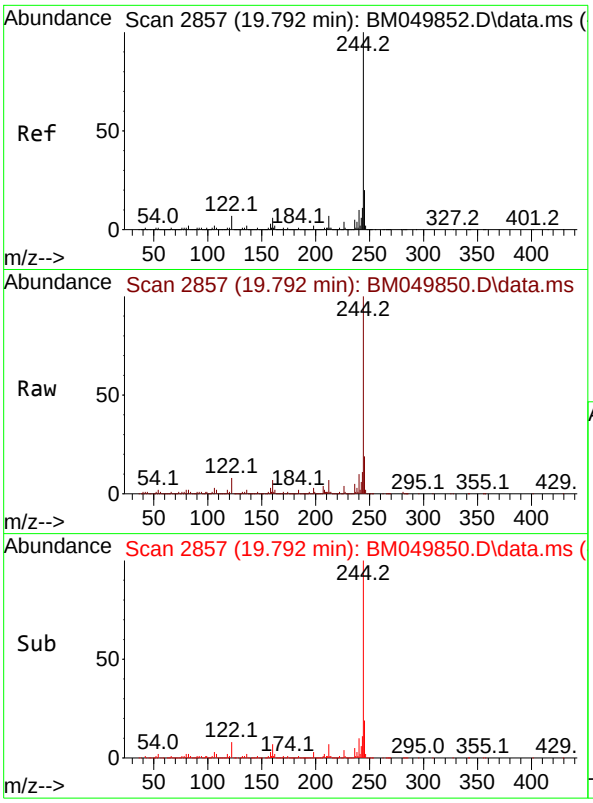


#78
Pyrene
Concen: 9.286 ng
RT: 19.586 min Scan# 2822
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:202 Resp: 800964

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

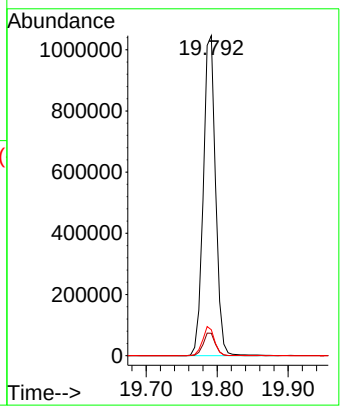




#79
Terphenyl-d14
Concen: 18.825 ng
RT: 19.792 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:244 Resp: 125713

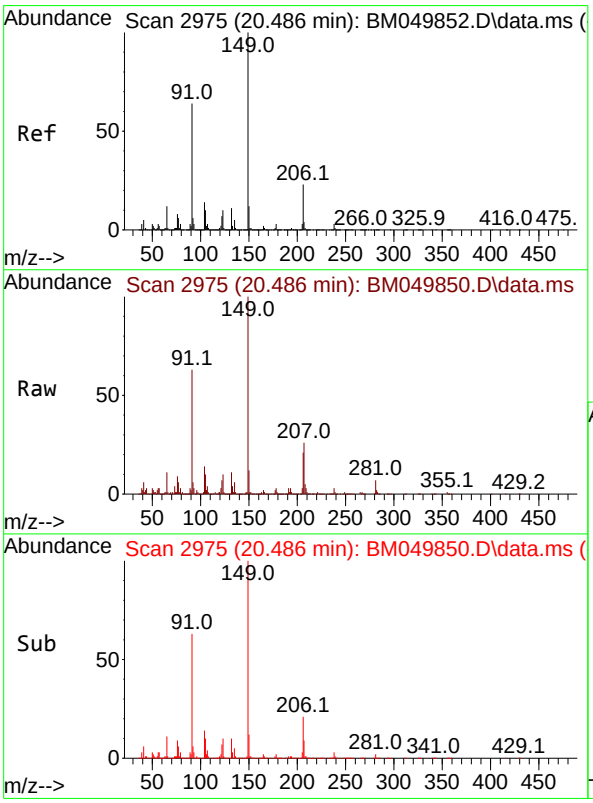
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.5	8.3
122	8.1	5.4	8.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

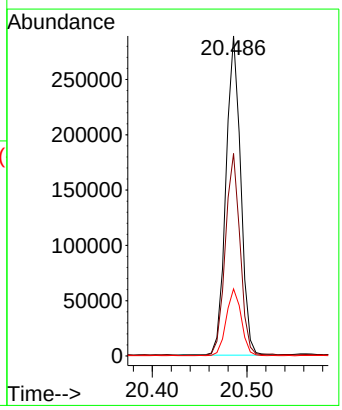
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

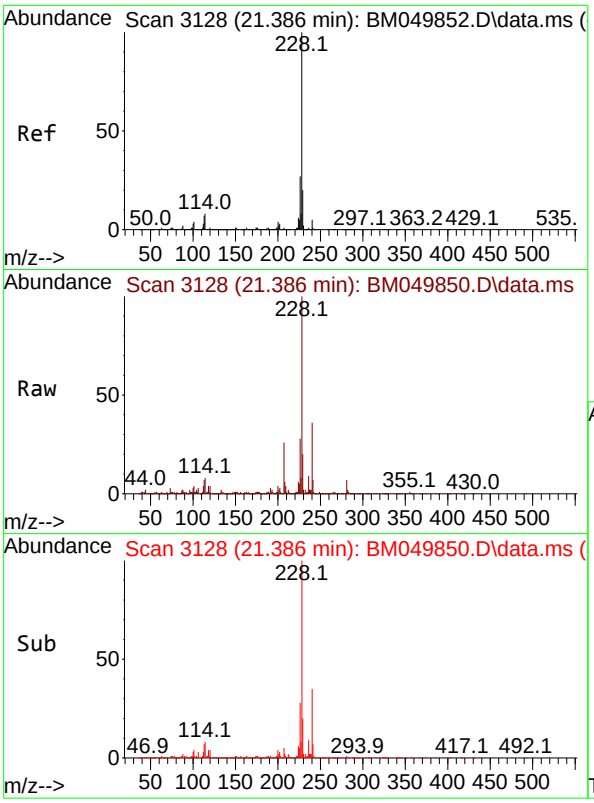


#80
Butylbenzylphthalate
Concen: 9.654 ng
RT: 20.486 min Scan# 2975
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:149 Resp: 312899

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

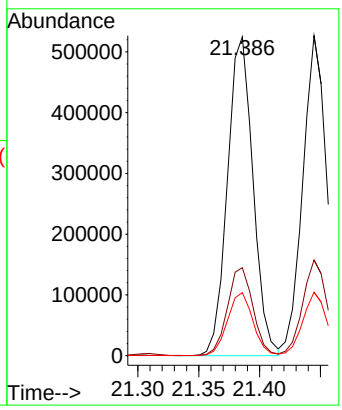




#81
Benzo(a)anthracene
Concen: 9.223 ng
RT: 21.386 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:228 Resp: 76712

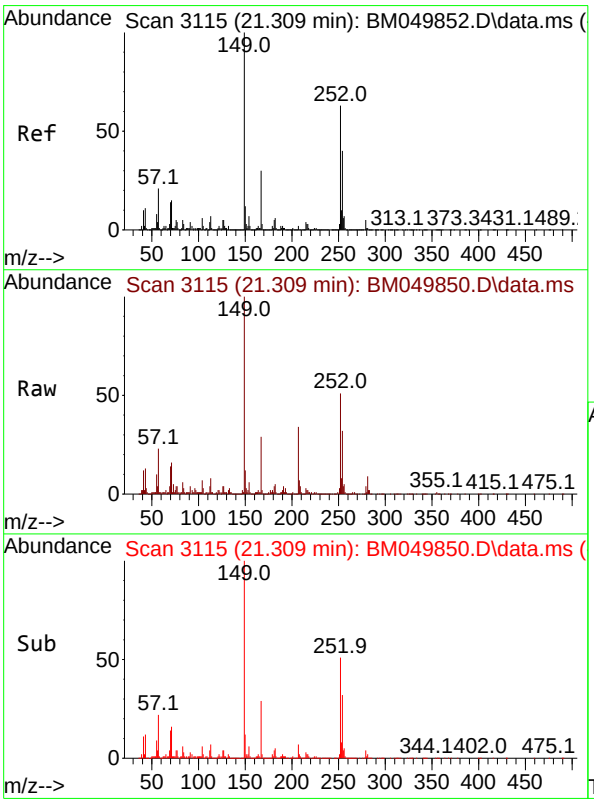
Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.8	32.8
229	19.7	15.8	23.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

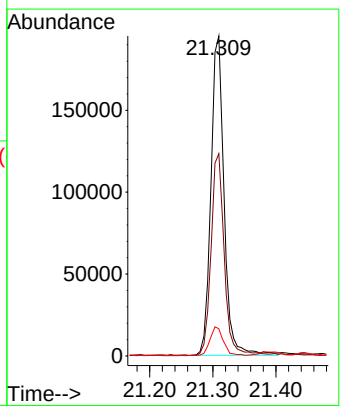
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

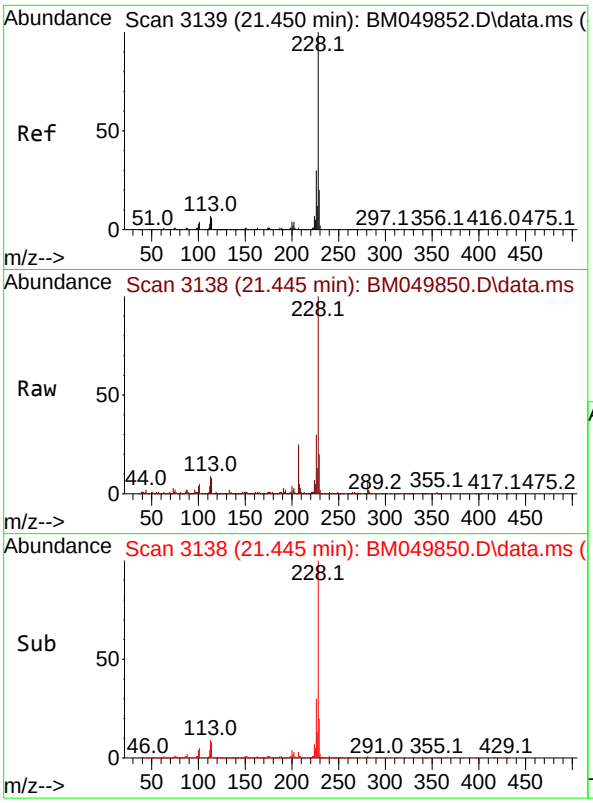


#82
3,3'-Dichlorobenzidine
Concen: 8.960 ng
RT: 21.309 min Scan# 3115
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:252 Resp: 281424

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

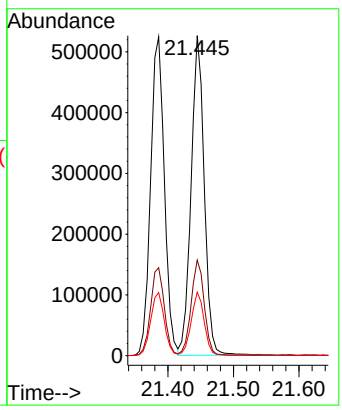




#83
Chrysene
Concen: 9.283 ng
RT: 21.445 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:228 Resp: 73407

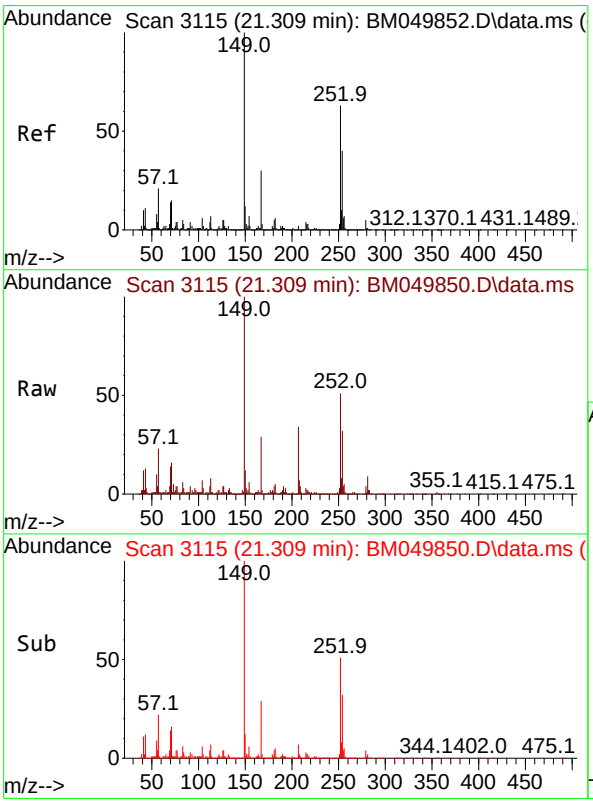
Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.1	36.1
229	19.9	15.8	23.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

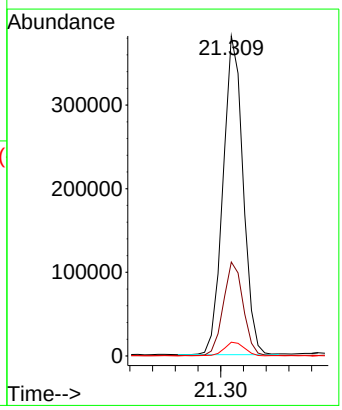
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

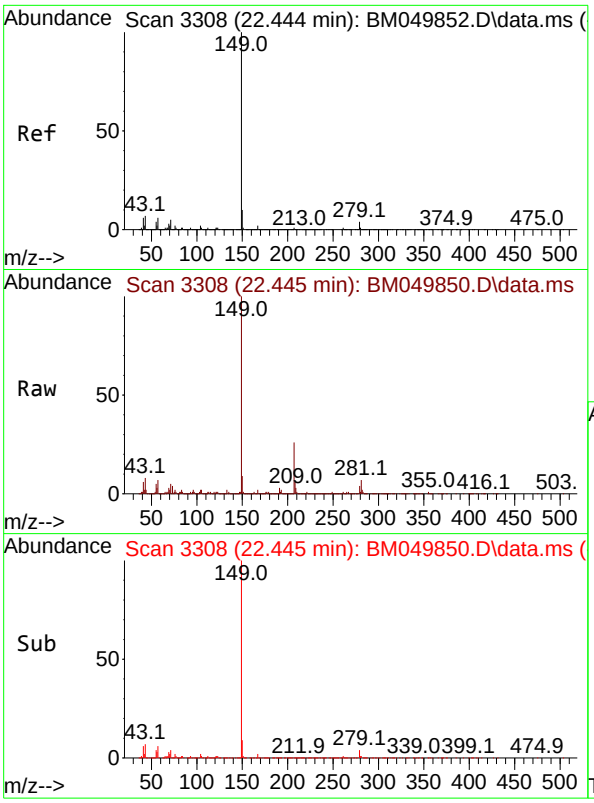


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.903 ng
RT: 21.309 min Scan# 3115
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:149 Resp: 467613

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

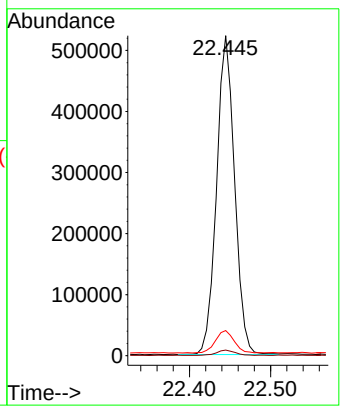




#85
Di-n-octyl phthalate
Concen: 9.750 ng
RT: 22.445 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:149 Resp: 80541

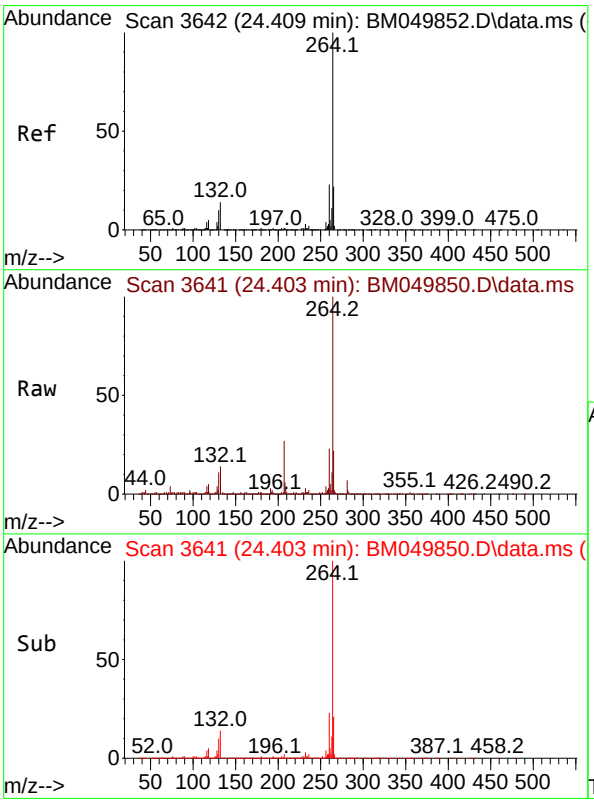
Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.3	1.9
43	7.2	5.8	8.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

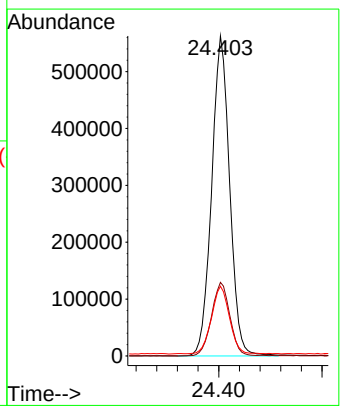
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

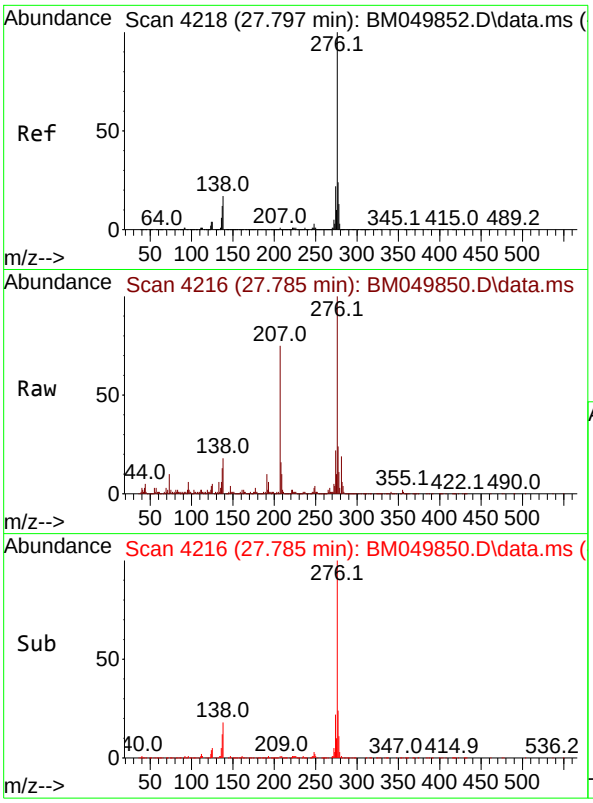


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.403 min Scan# 3641
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:264 Resp: 1360976

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

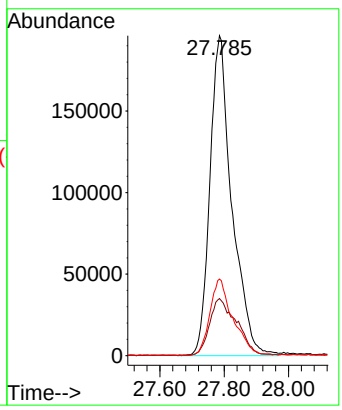




#87
Indeno(1,2,3-cd)pyrene
Concen: 9.177 ng
RT: 27.785 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:276 Resp: 93100

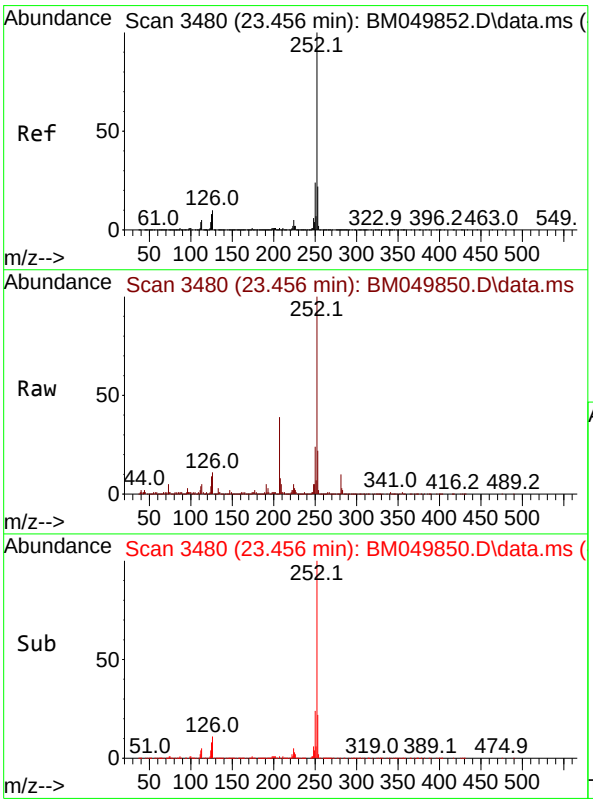
Ion	Ratio	Lower	Upper
276	100		
138	21.6	16.8	25.2
277	24.9	20.1	30.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

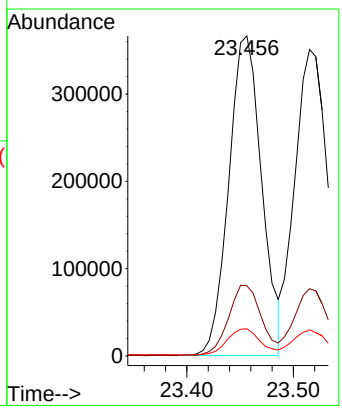
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

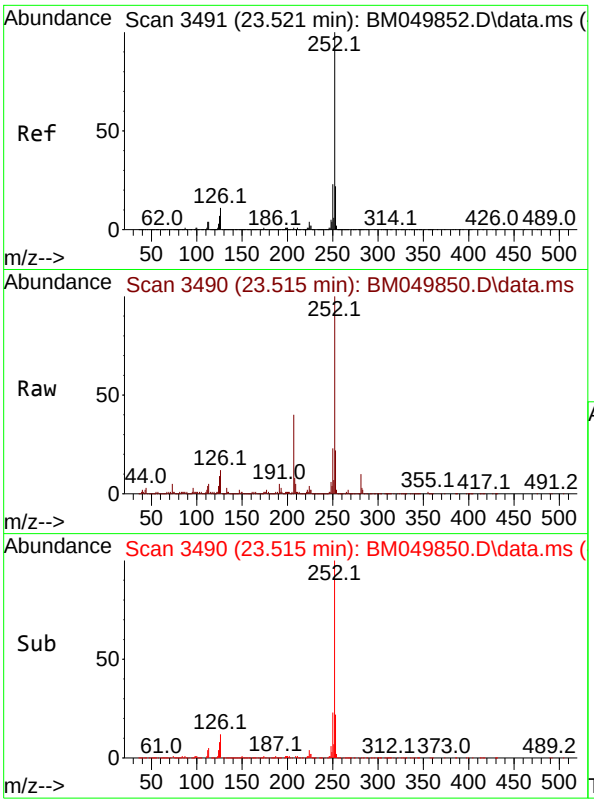


#88
Benzo(b)fluoranthene
Concen: 9.055 ng
RT: 23.456 min Scan# 3480
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:252 Resp: 787043

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

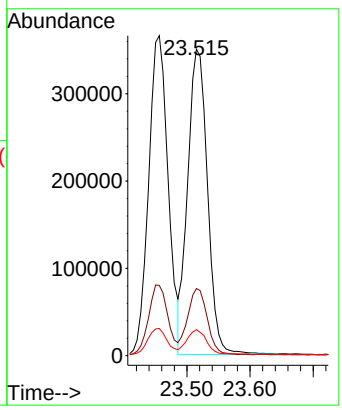




#89
Benzo(k)fluoranthene
Concen: 9.063 ng
RT: 23.515 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:252 Resp: 76340

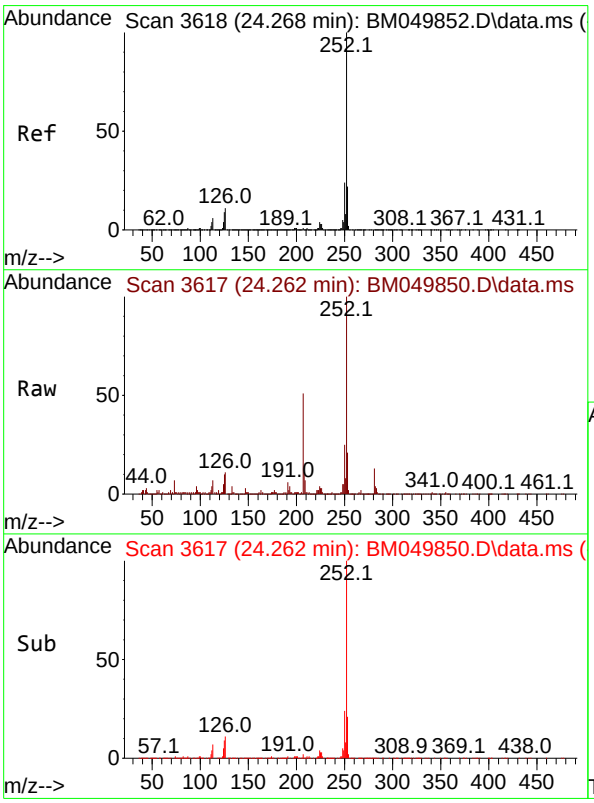
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2
125	8.5	5.8	8.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

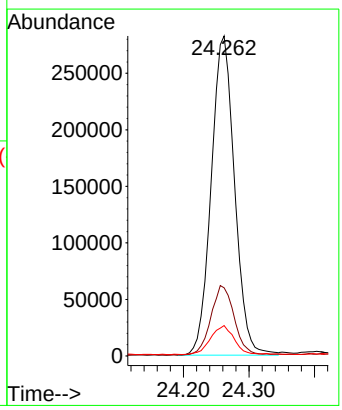
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

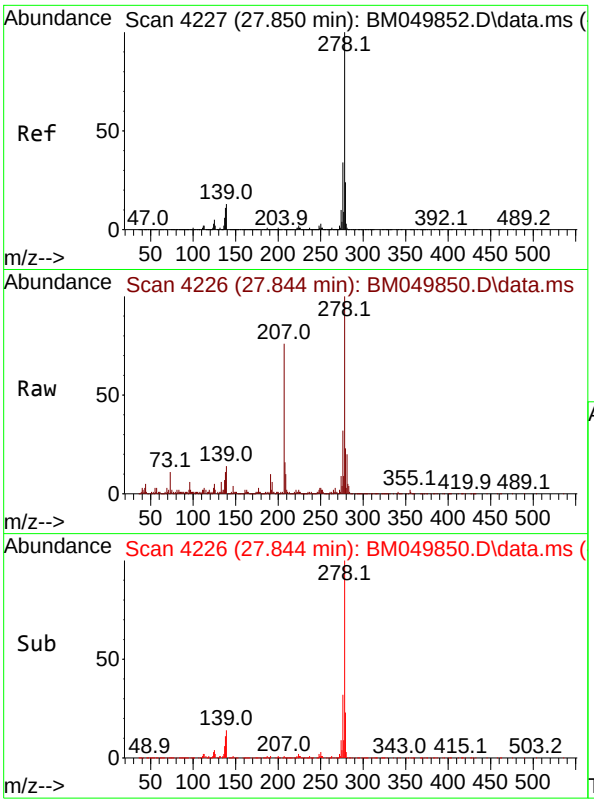


#90
Benzo(a)pyrene
Concen: 9.142 ng
RT: 24.262 min Scan# 3617
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:252 Resp: 698269

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

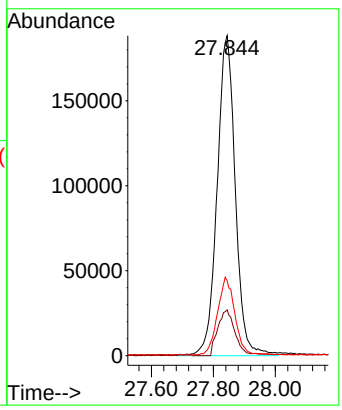




#91
Dibenzo(a,h)anthracene
Concen: 9.188 ng
RT: 27.844 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:278 Resp: 76780

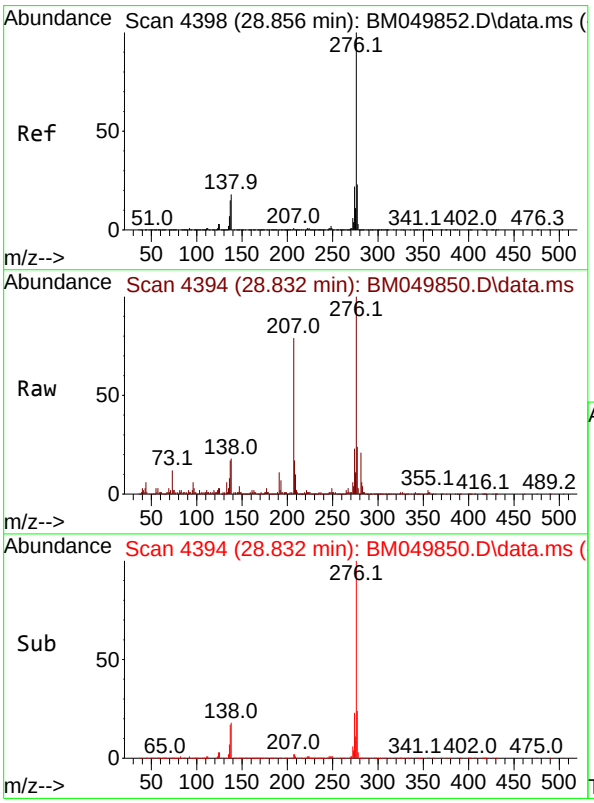
Ion	Ratio	Lower	Upper
278	100		
139	14.3	10.6	15.8
279	23.3	19.1	28.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

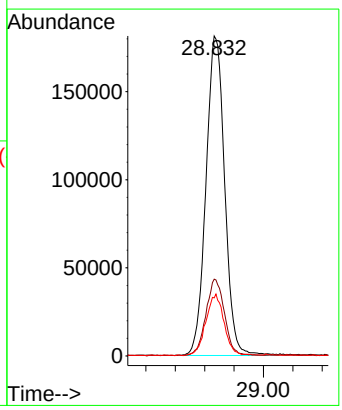
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025



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

Tgt Ion:276 Resp: 802183

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



Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

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

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

ICAL Form

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

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

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

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

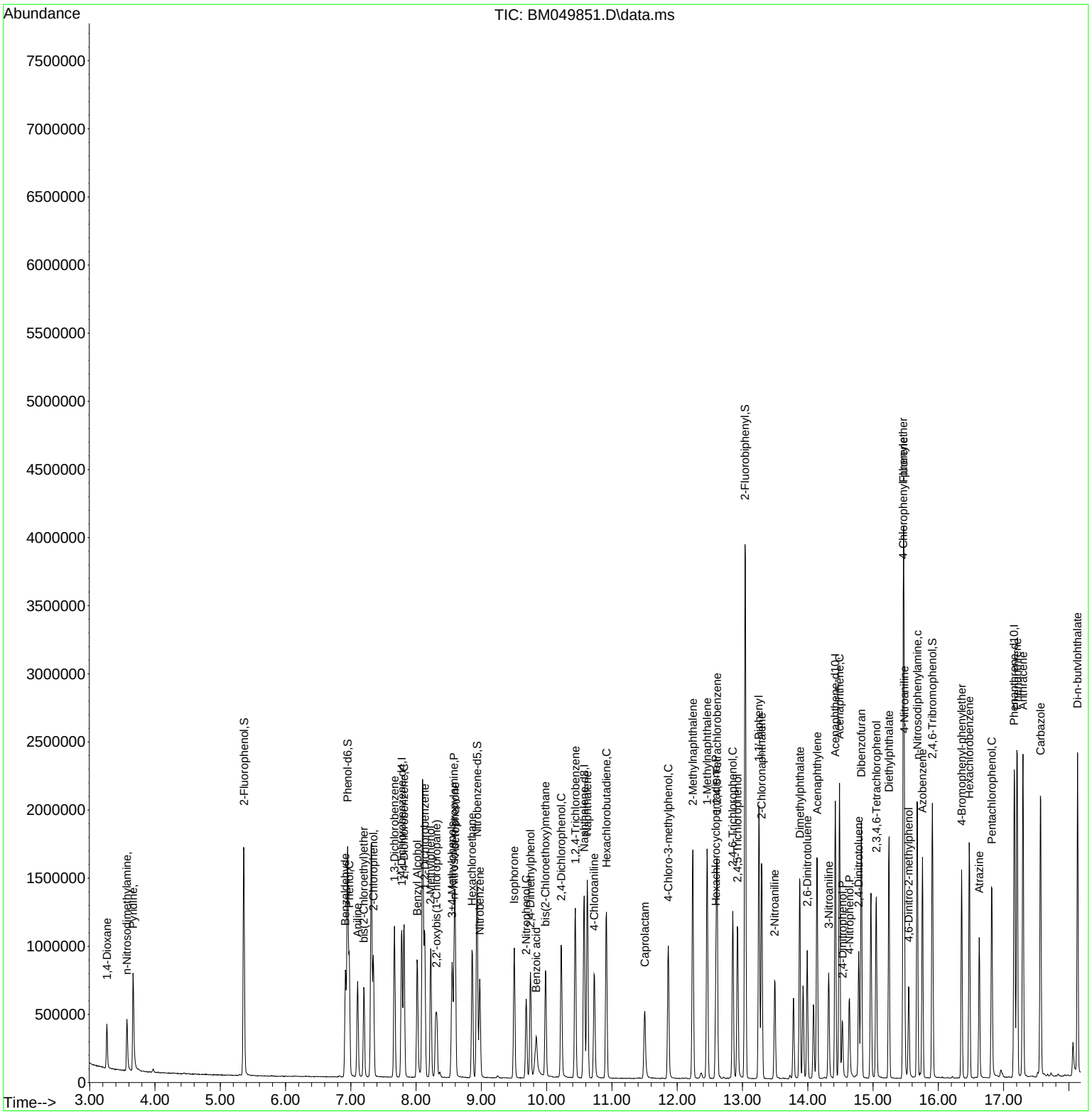
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

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

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

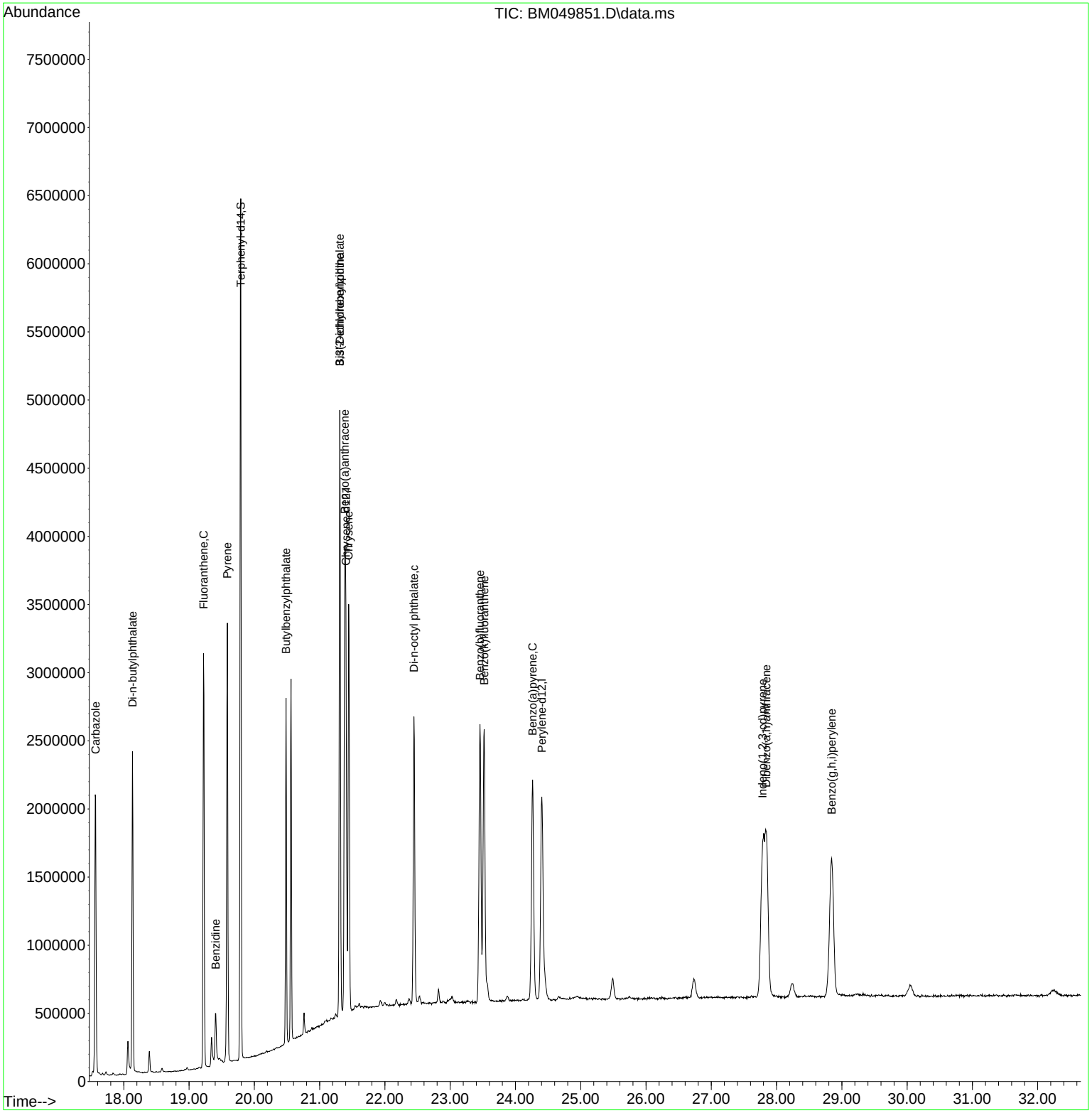
Quant Time: Apr 09 03:01:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

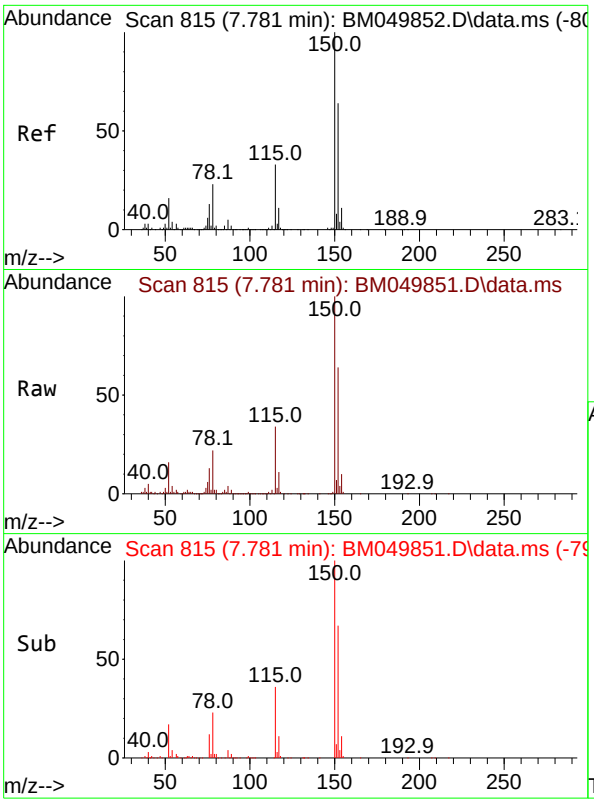


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049851.D
Acq On : 08 Apr 2025 15:32
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

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



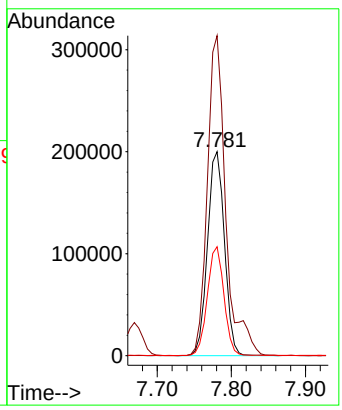


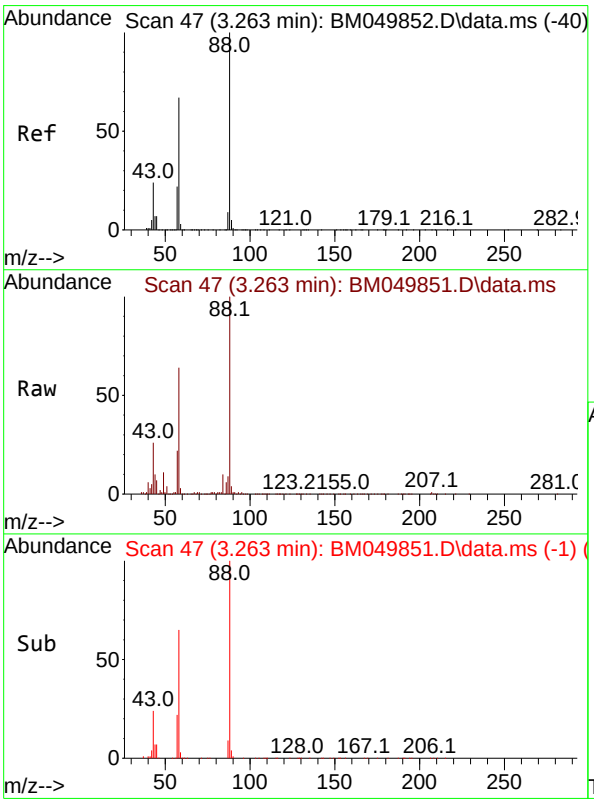
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.781 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 318059

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

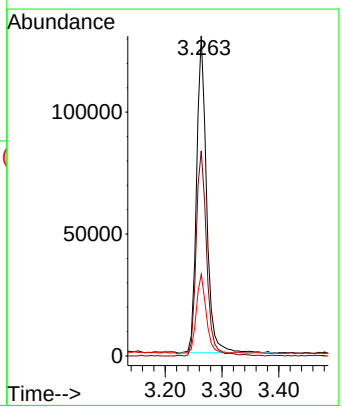


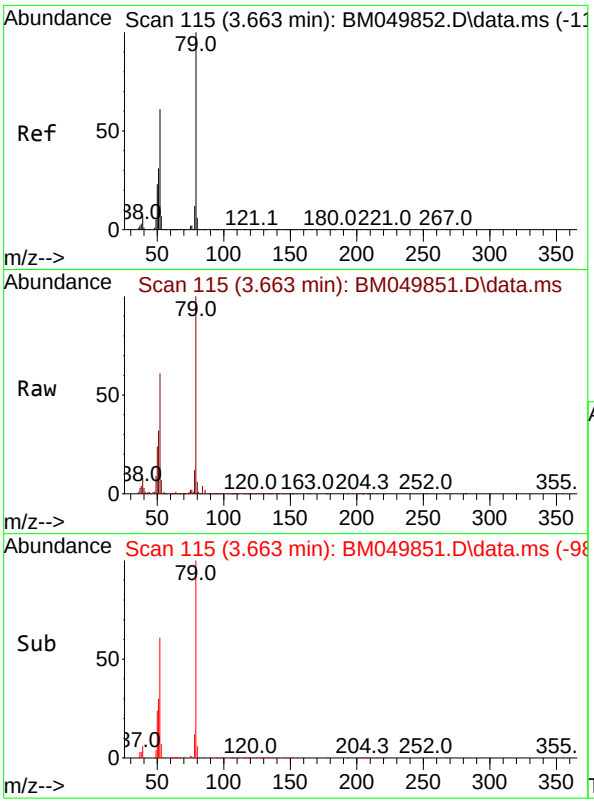


#2
1,4-Dioxane
Concen: 20.670 ng
RT: 3.263 min Scan# 47
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion: 88 Resp: 159450

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



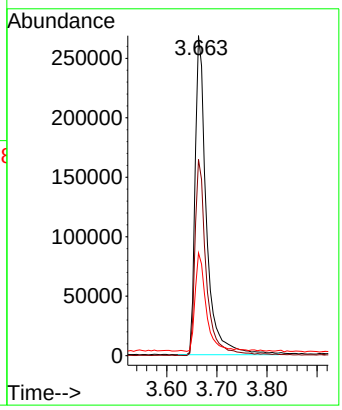


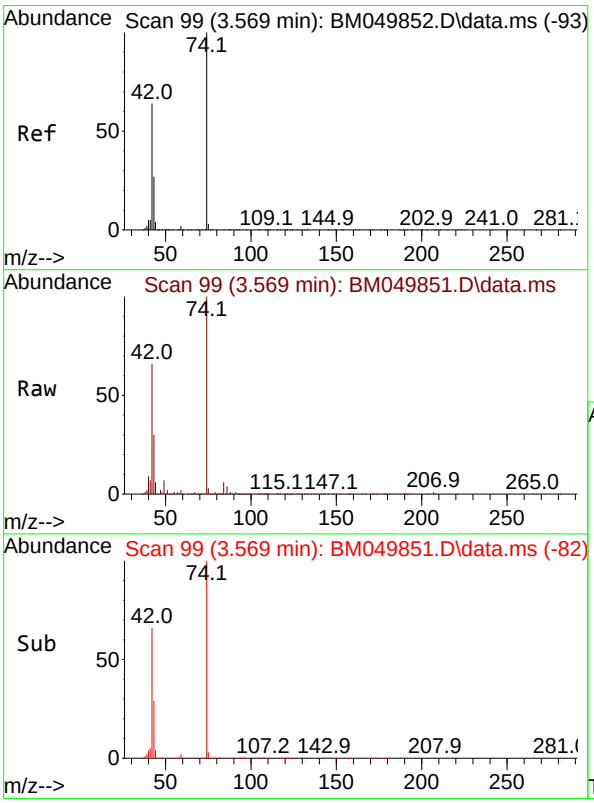
#3
Pyridine
Concen: 20.757 ng
RT: 3.663 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 420529

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

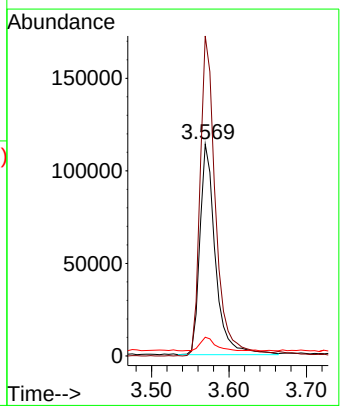


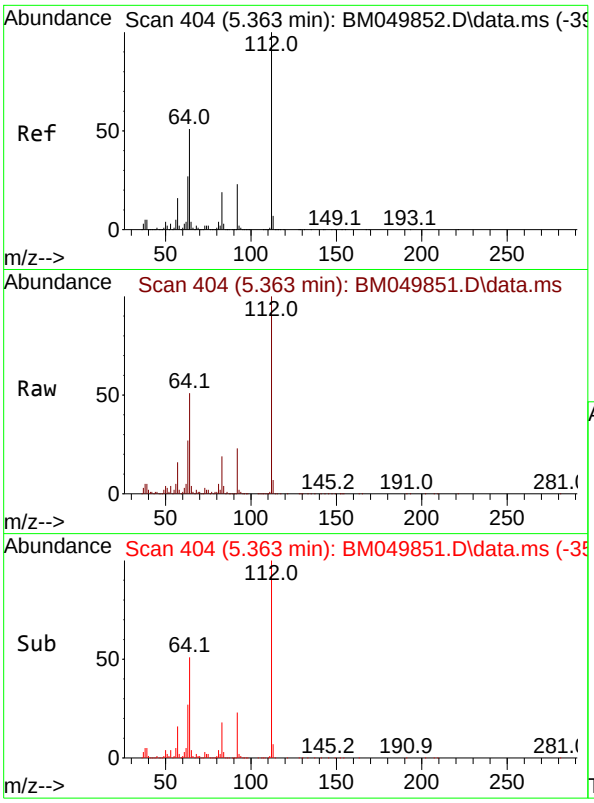


#4
n-Nitrosodimethylamine
Concen: 20.450 ng
RT: 3.569 min Scan# 99
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion: 42 Resp: 157731

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



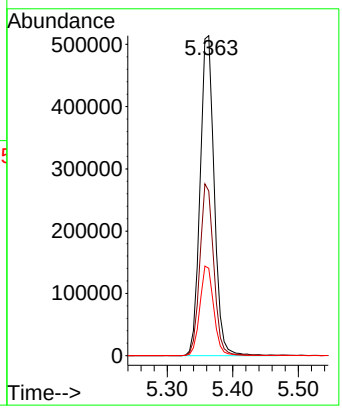


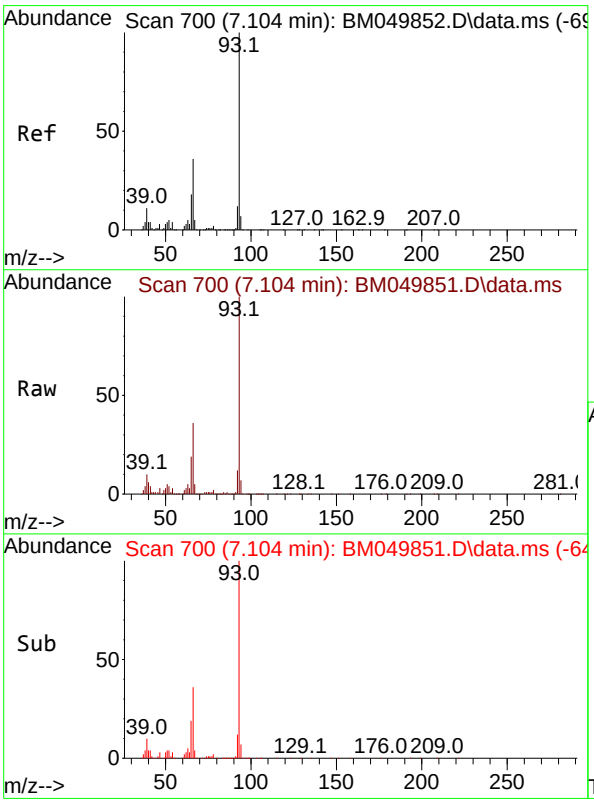
#5
2-Fluorophenol
Concen: 41.186 ng
RT: 5.363 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:112 Resp: 771430

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

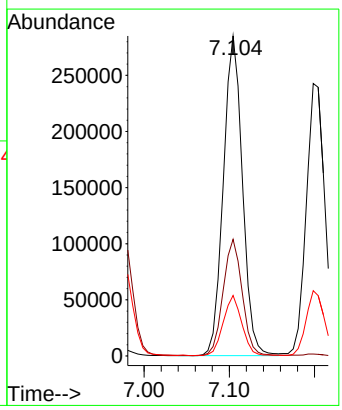


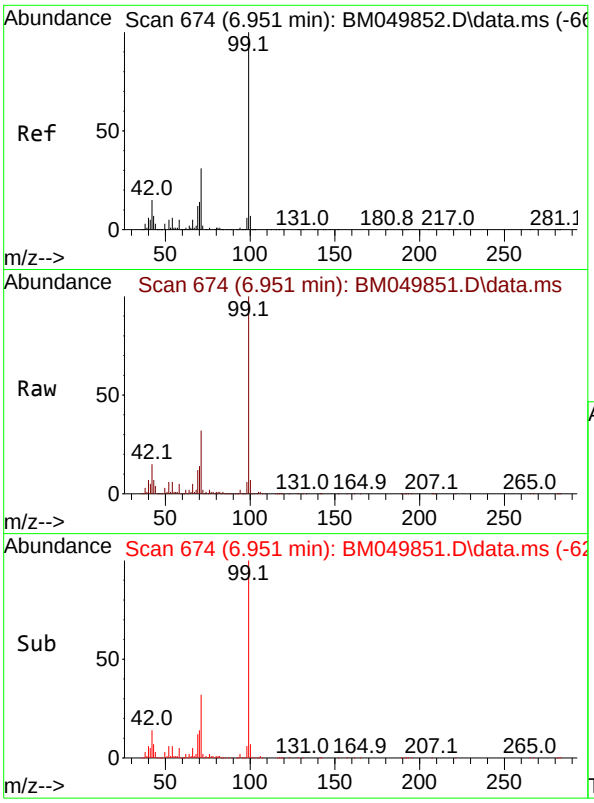


#6
Aniline
Concen: 22.228 ng
RT: 7.104 min Scan# 700
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion: 93 Resp: 443873

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



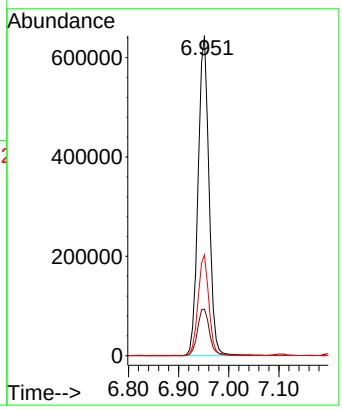


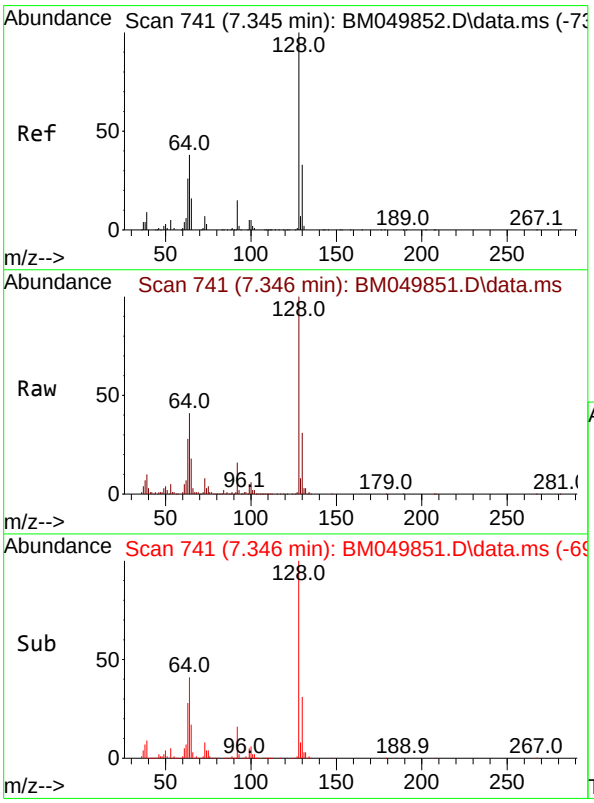
#7
Phenol-d6
Concen: 41.560 ng
RT: 6.951 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 99 Resp: 968531

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

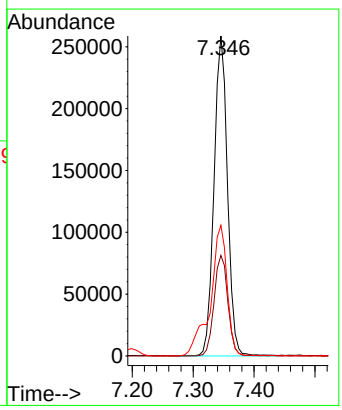


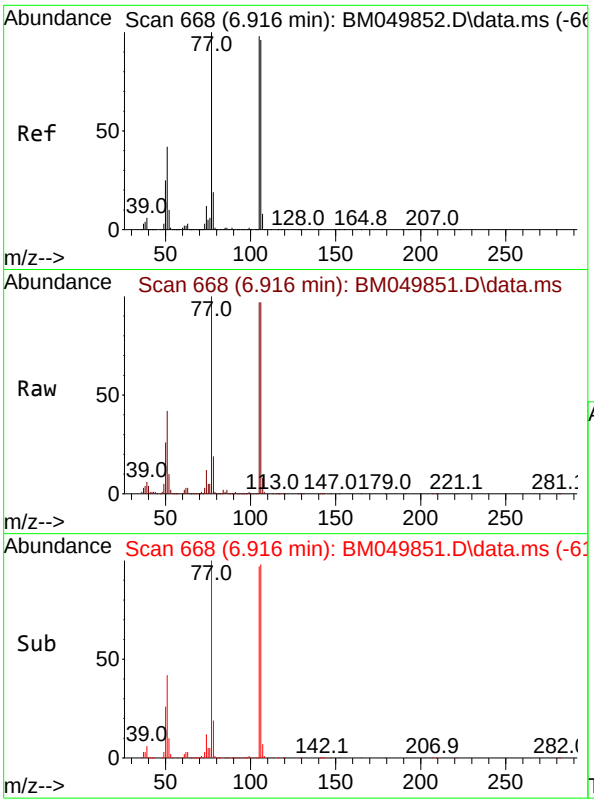


#8
2-Chlorophenol
Concen: 20.710 ng
RT: 7.346 min Scan# 741
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:128 Resp: 397524

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



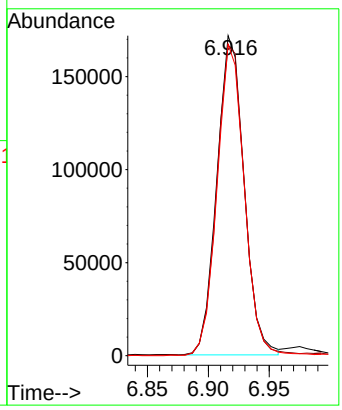


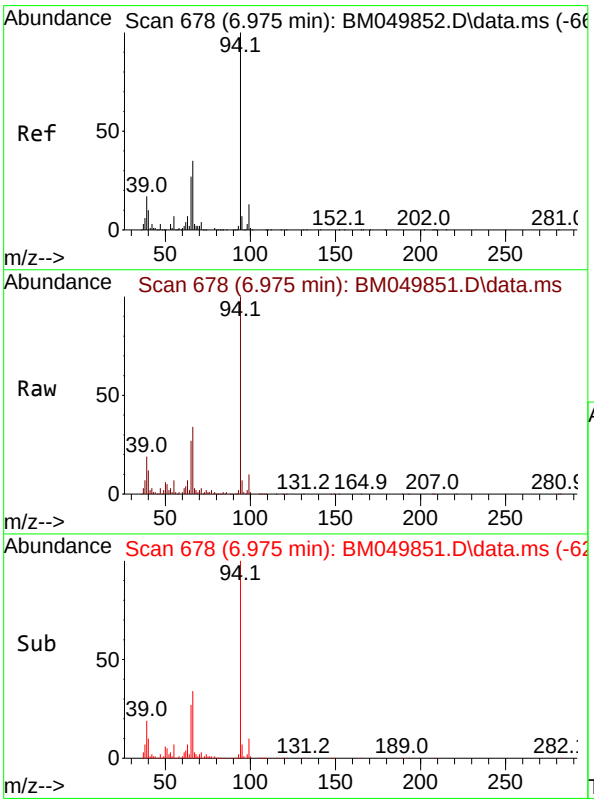
#9
Benzaldehyde
Concen: 22.294 ng
RT: 6.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 266386

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

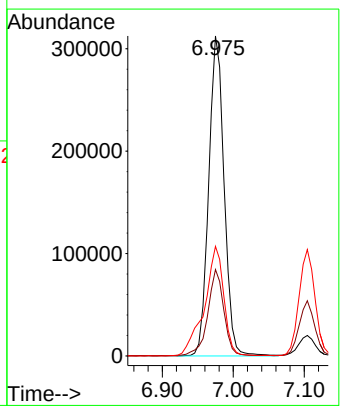


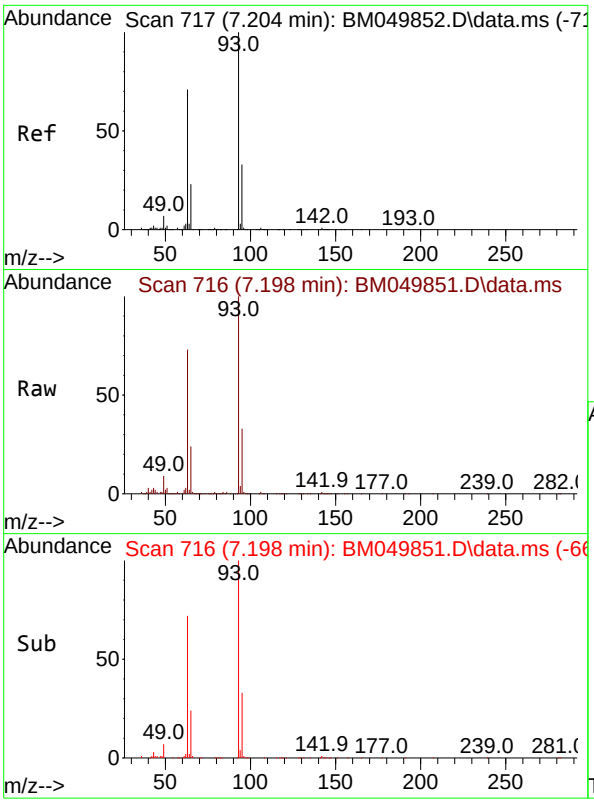


#10
Phenol
Concen: 20.733 ng
RT: 6.975 min Scan# 678
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion: 94 Resp: 471508

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



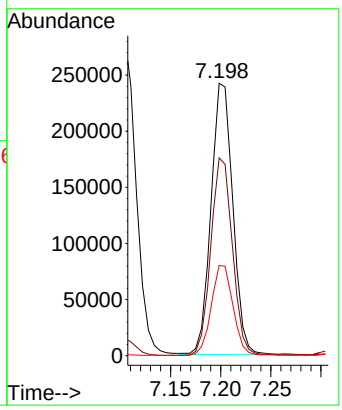


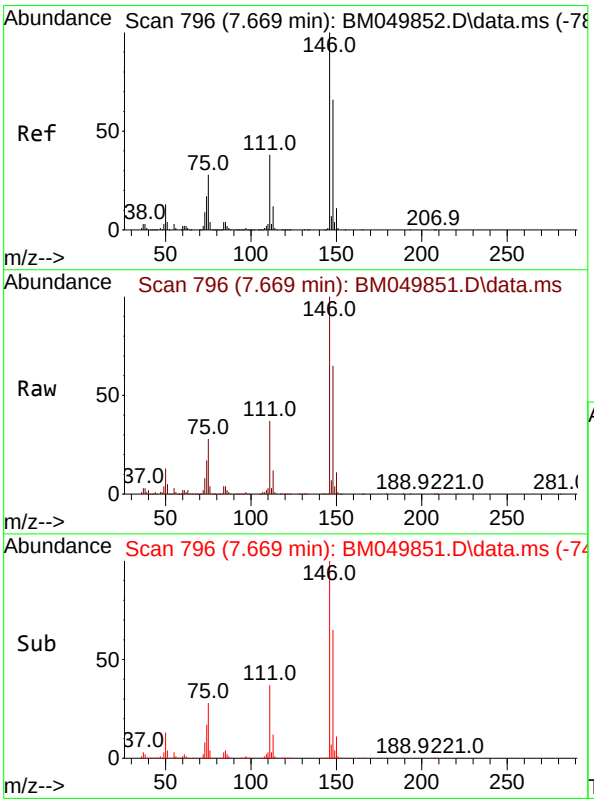
#11
bis(2-Chloroethyl)ether
Concen: 20.461 ng
RT: 7.198 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 93 Resp: 364893

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

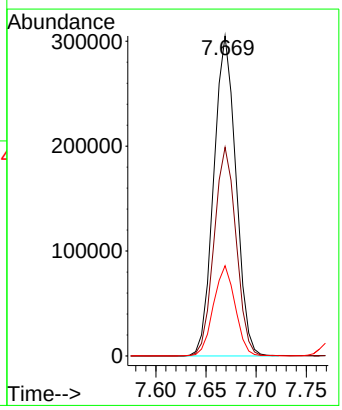


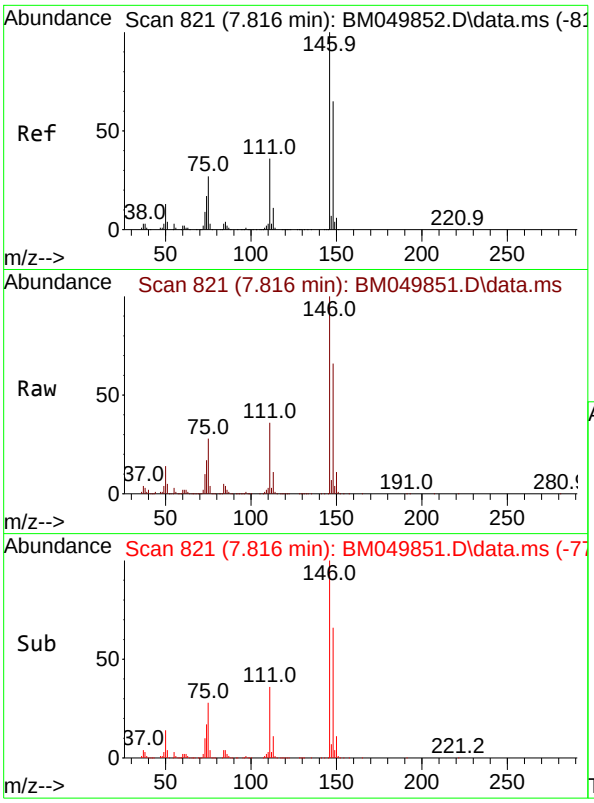


#12
1,3-Dichlorobenzene
Concen: 20.672 ng
RT: 7.669 min Scan# 796
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:146 Resp: 469124

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



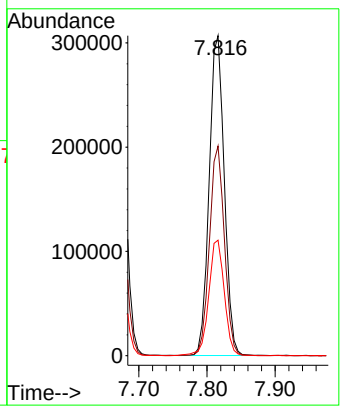


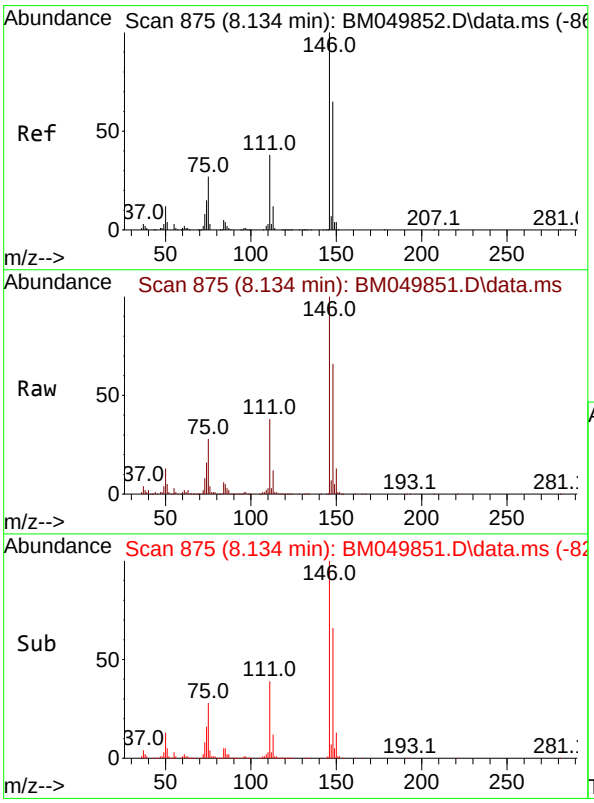
#13
1,4-Dichlorobenzene
Concen: 20.720 ng
RT: 7.816 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:146 Resp: 473136

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

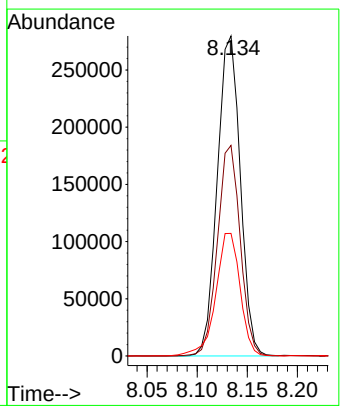


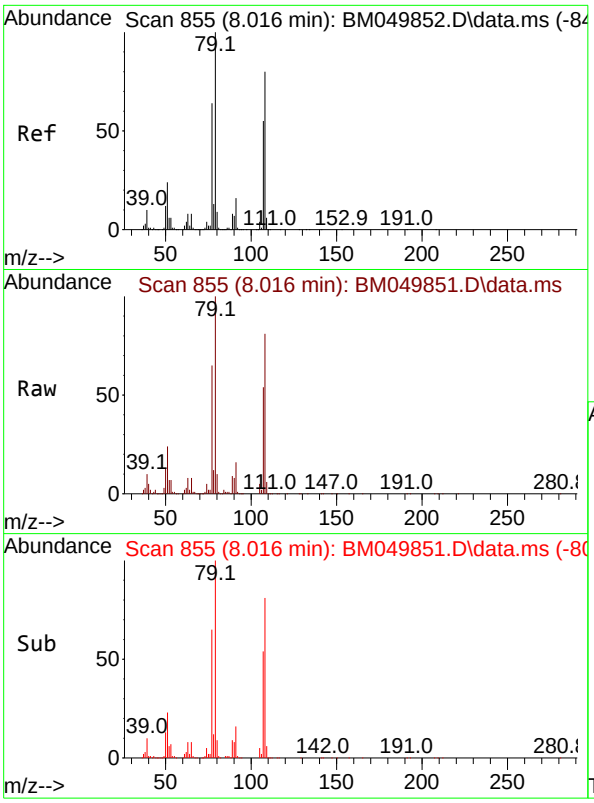


#14
1,2-Dichlorobenzene
Concen: 20.740 ng
RT: 8.134 min Scan# 875
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:146 Resp: 446077

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



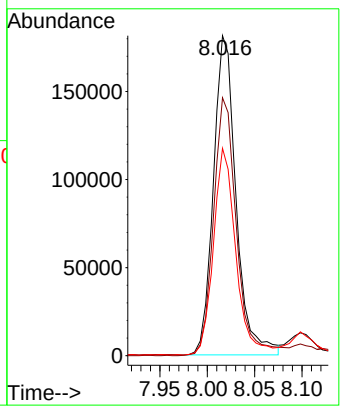


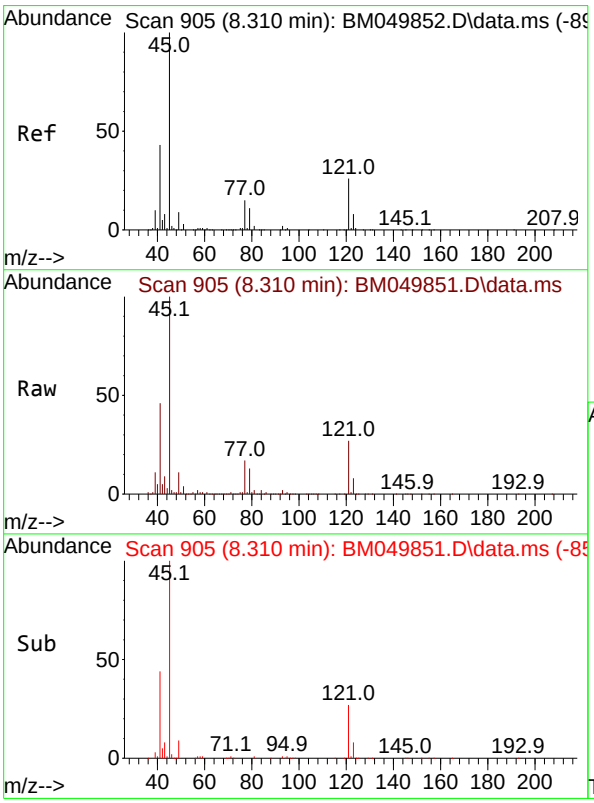
#15
Benzyl Alcohol
Concen: 20.592 ng
RT: 8.016 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 302185

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

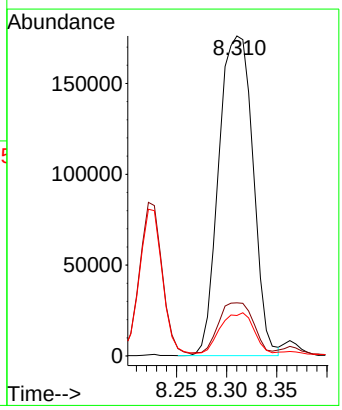


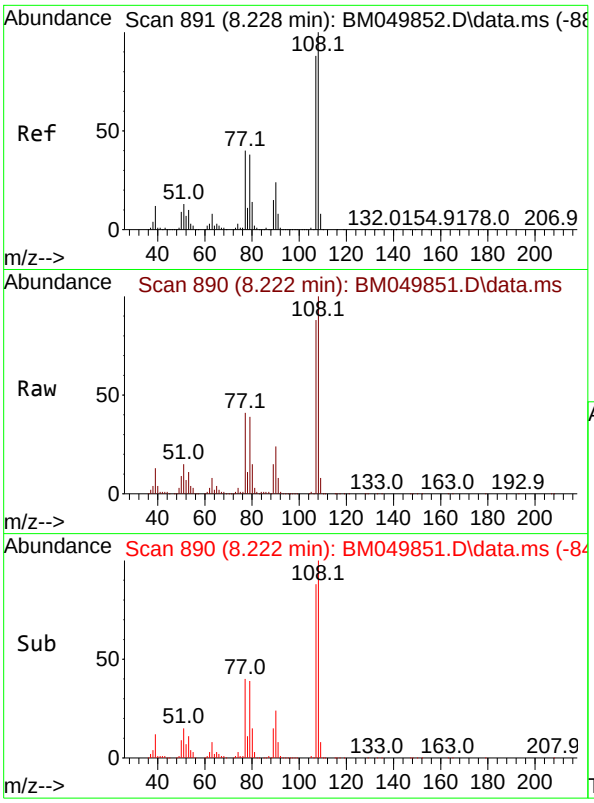


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.996 ng
RT: 8.310 min Scan# 905
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion: 45 Resp: 417355

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



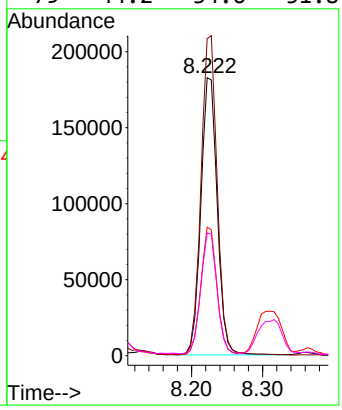


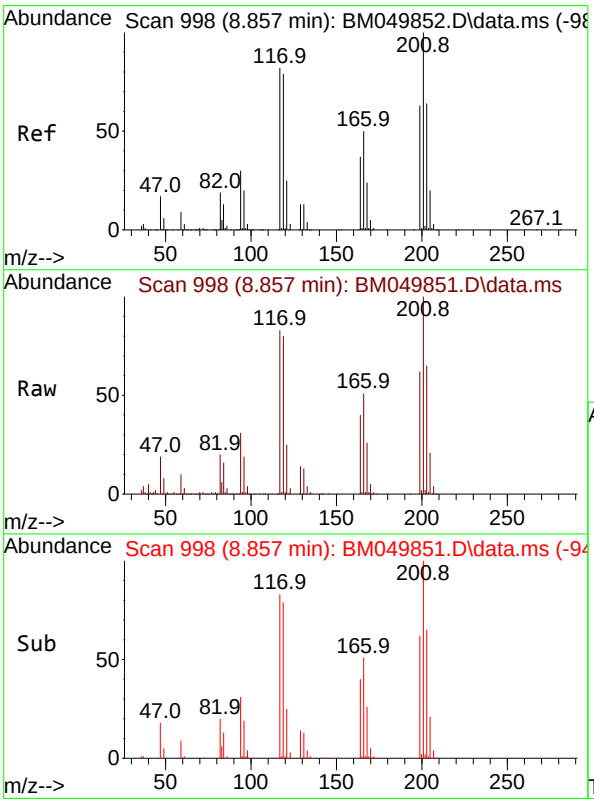
#17
2-Methylphenol
Concen: 20.793 ng
RT: 8.222 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:107 Resp: 291405

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

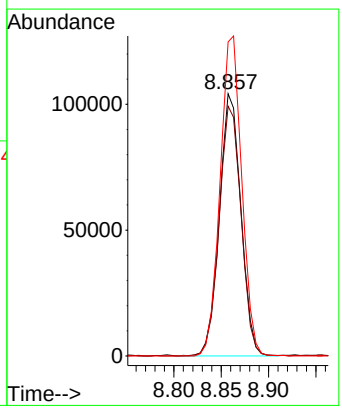


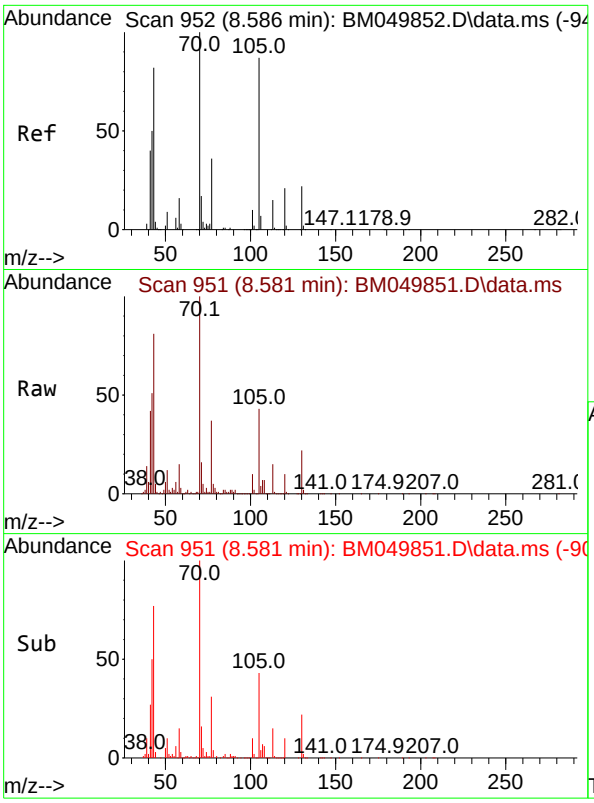


#18
Hexachloroethane
Concen: 20.807 ng
RT: 8.857 min Scan# 998
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:117 Resp: 165304

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



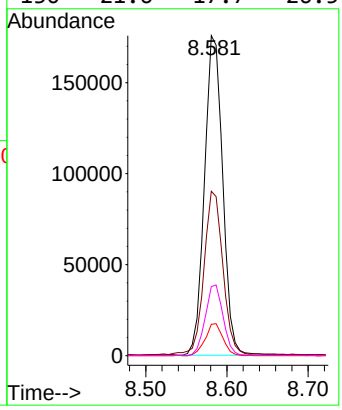


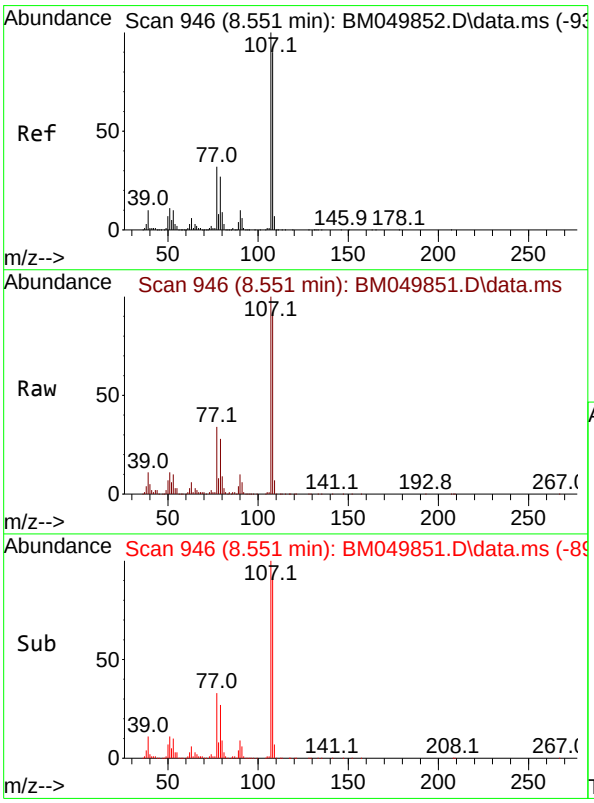
#19
n-Nitroso-di-n-propylamine
Concen: 21.191 ng
RT: 8.581 min Scan# 9
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 70 Resp: 273519

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

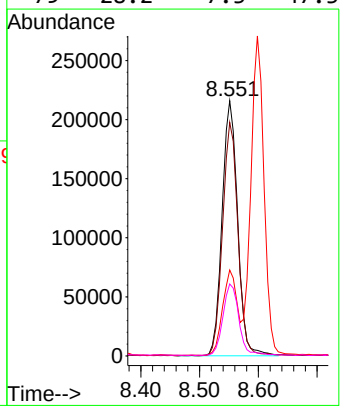


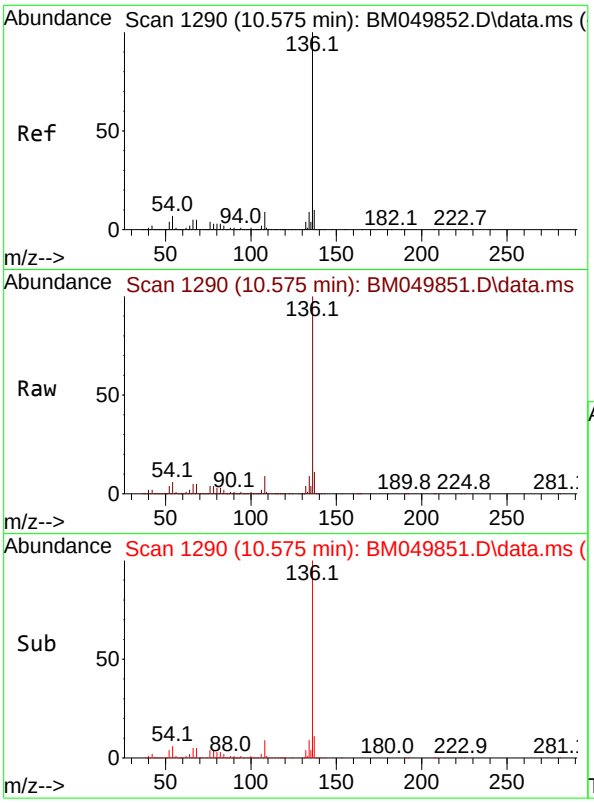


#20
3+4-Methylphenols
Concen: 20.748 ng
RT: 8.551 min Scan# 946
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:107 Resp: 396422

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



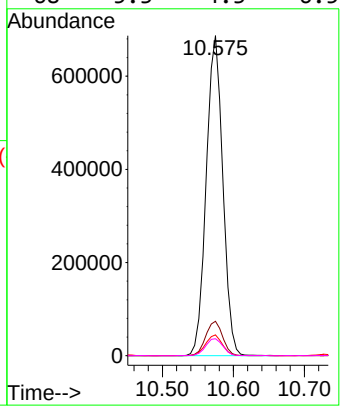


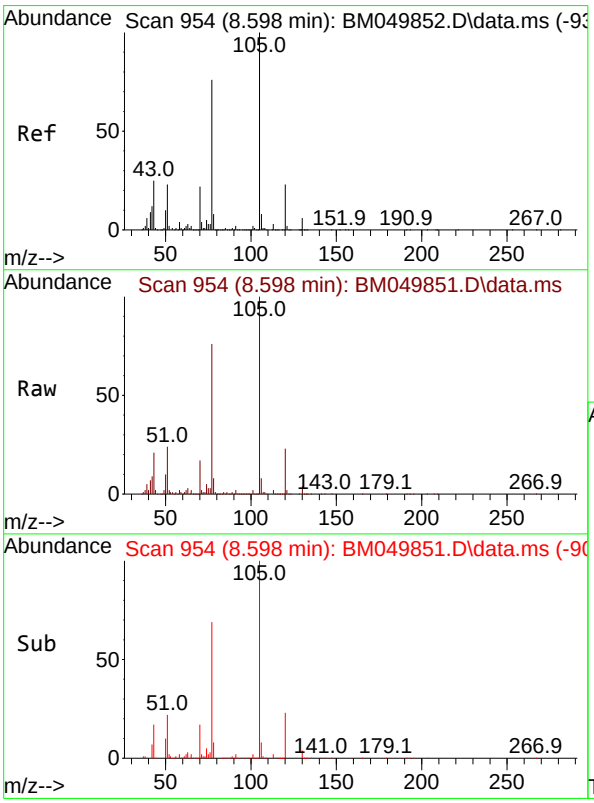
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.575 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:136 Resp: 1116195

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

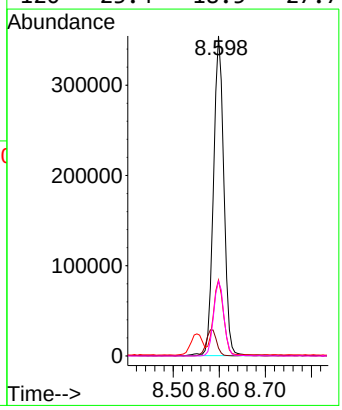


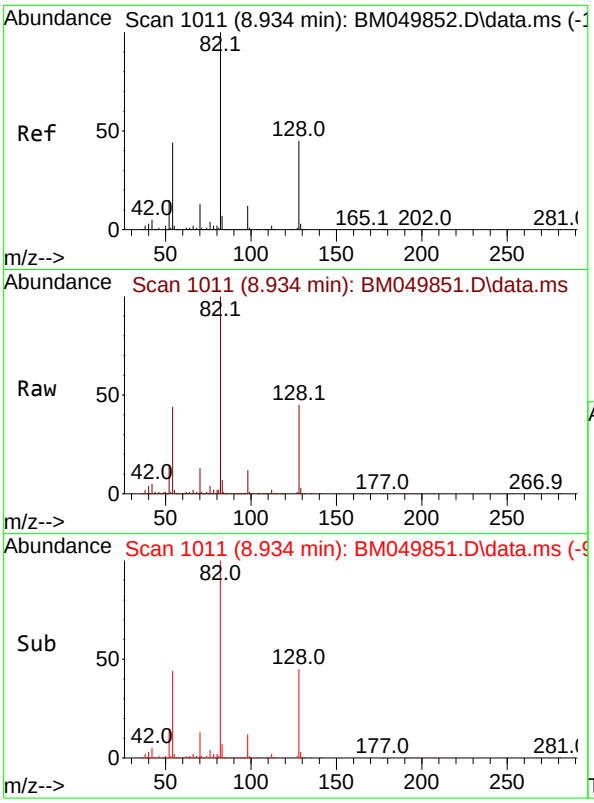


#22
Acetophenone
Concen: 20.425 ng
RT: 8.598 min Scan# 954
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:105 Resp: 554070

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



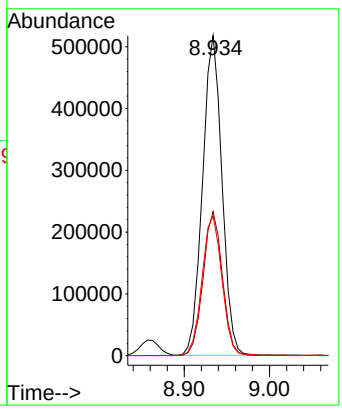


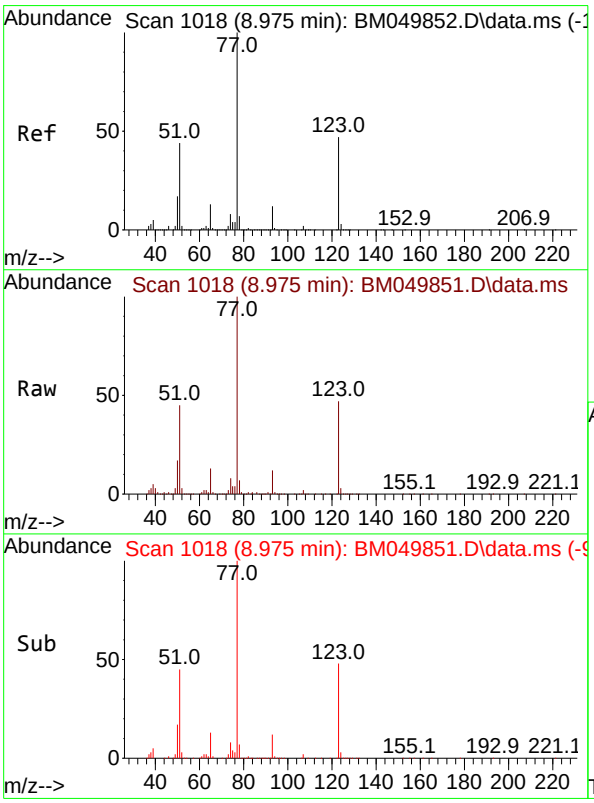
#23
Nitrobenzene-d5
Concen: 40.795 ng
RT: 8.934 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 817733

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

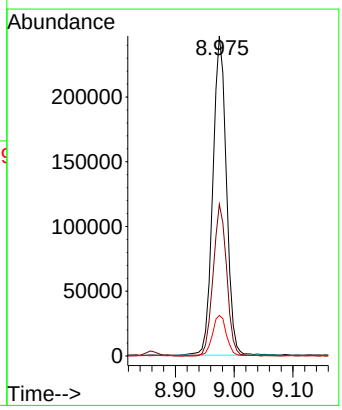


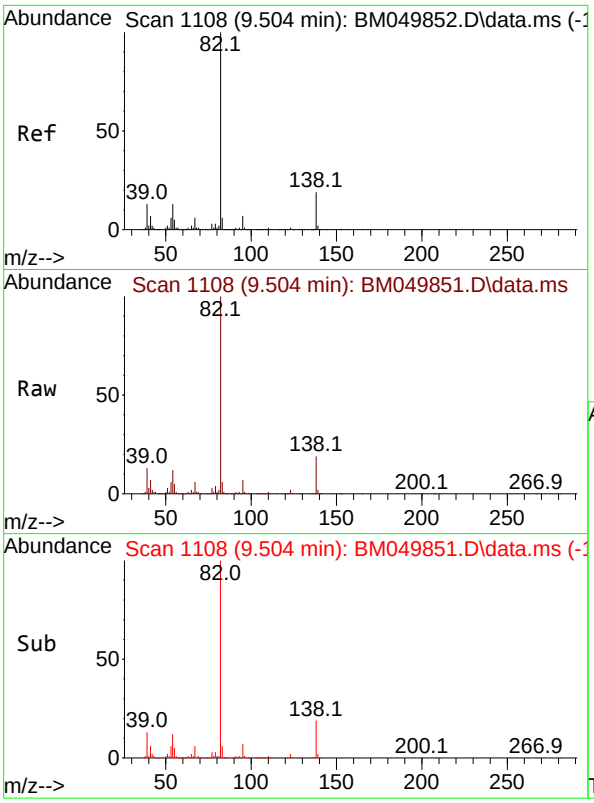


#24
Nitrobenzene
Concen: 20.496 ng
RT: 8.975 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion: 77 Resp: 395594

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



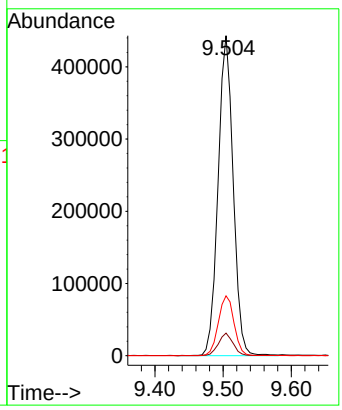


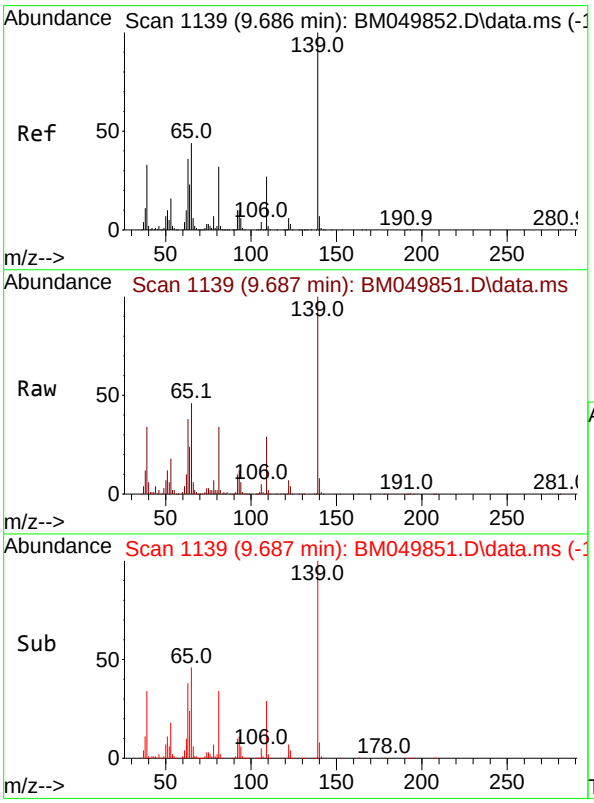
#25
Isophorone
Concen: 20.361 ng
RT: 9.504 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 683707

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

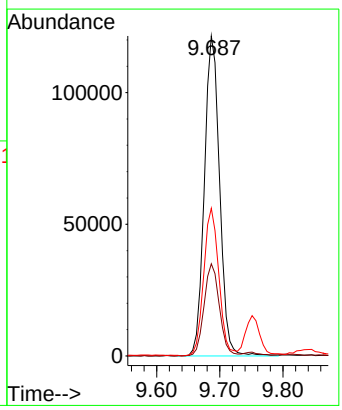


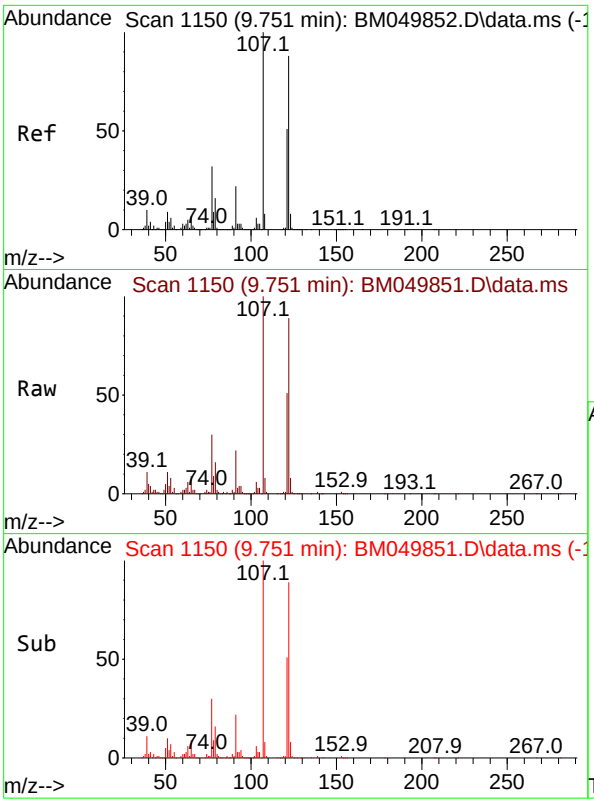


#26
2-Nitrophenol
Concen: 19.922 ng
RT: 9.687 min Scan# 1139
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:139 Resp: 203797

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



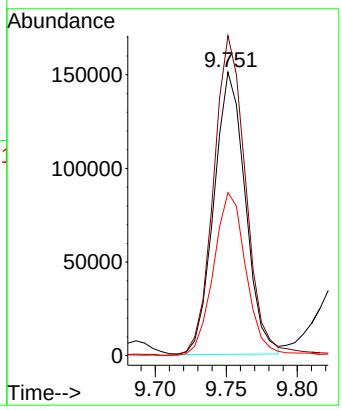


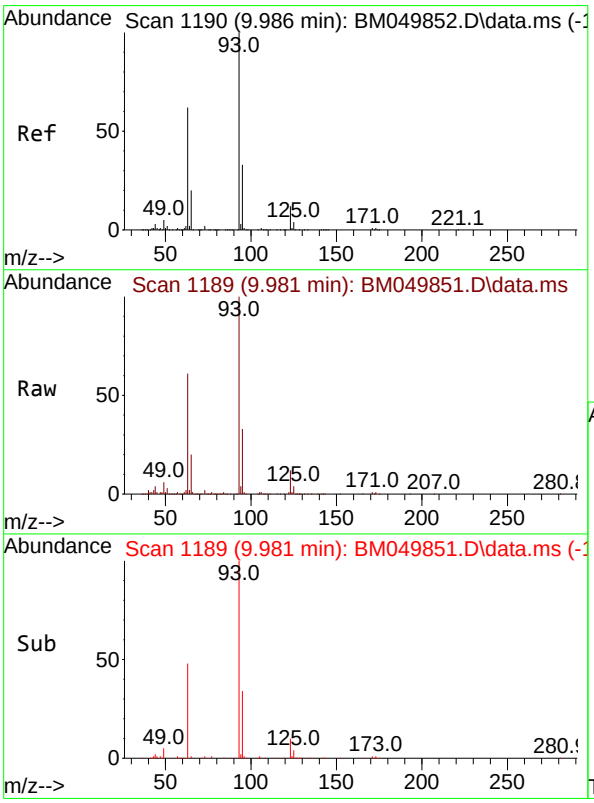
#27
2,4-Dimethylphenol
Concen: 20.010 ng
RT: 9.751 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:122 Resp: 231983

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

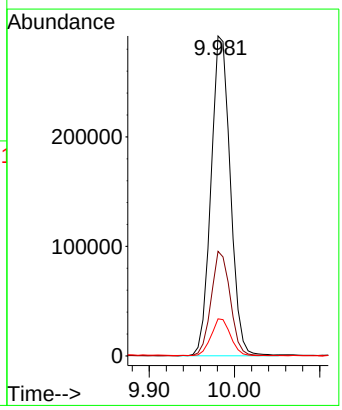


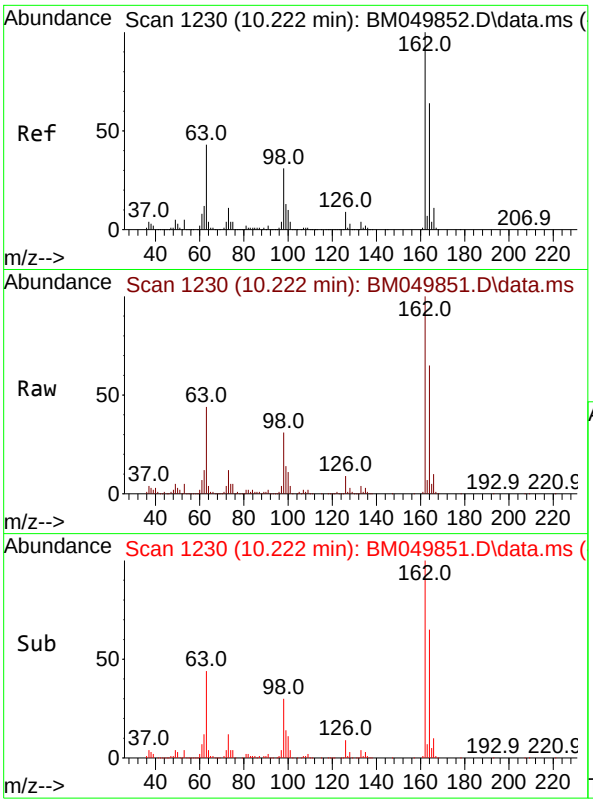


#28
bis(2-Chloroethoxy)methane
Concen: 20.427 ng
RT: 9.981 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion: 93 Resp: 459217

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



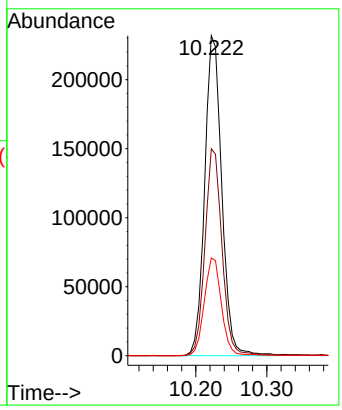


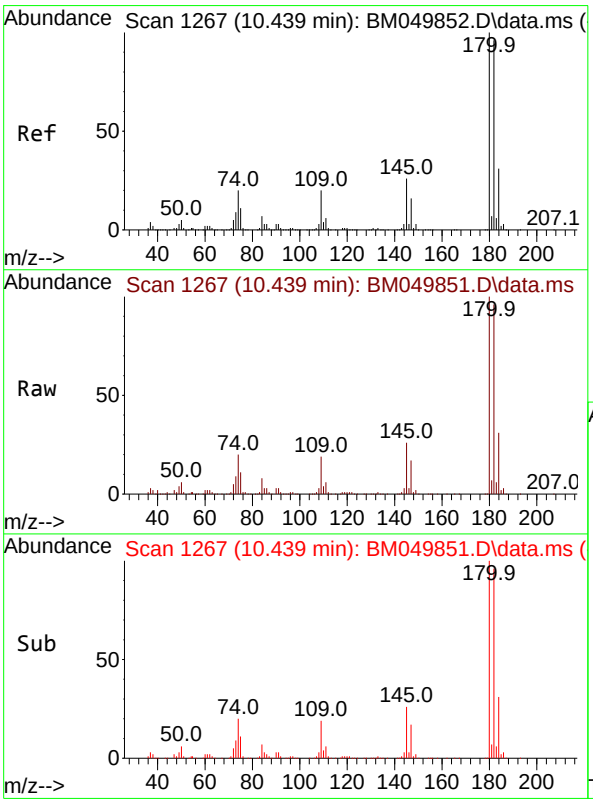
#29
2,4-Dichlorophenol
Concen: 20.164 ng
RT: 10.222 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 388584

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

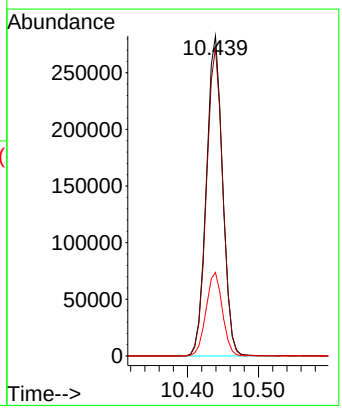


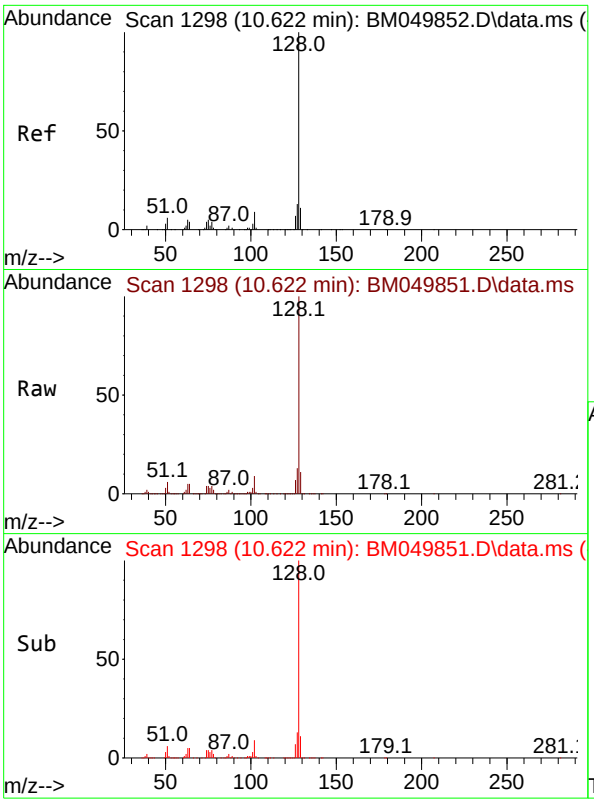


#30
1,2,4-Trichlorobenzene
Concen: 20.099 ng
RT: 10.439 min Scan# 1267
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:180 Resp: 448099

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



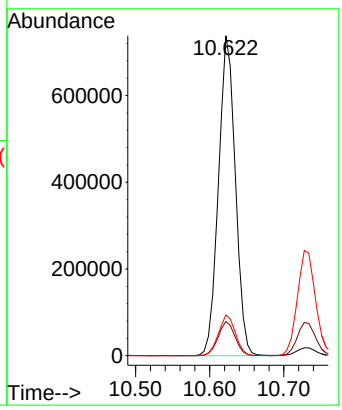


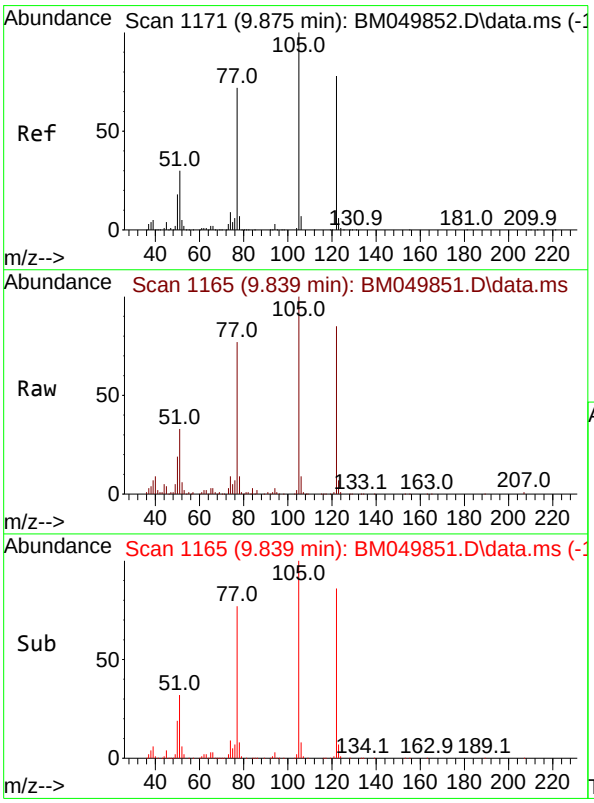
#31
Naphthalene
Concen: 20.341 ng
RT: 10.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:128 Resp: 1166673

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

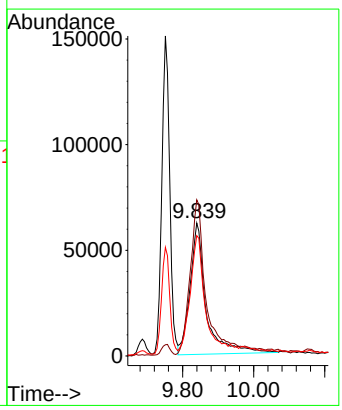


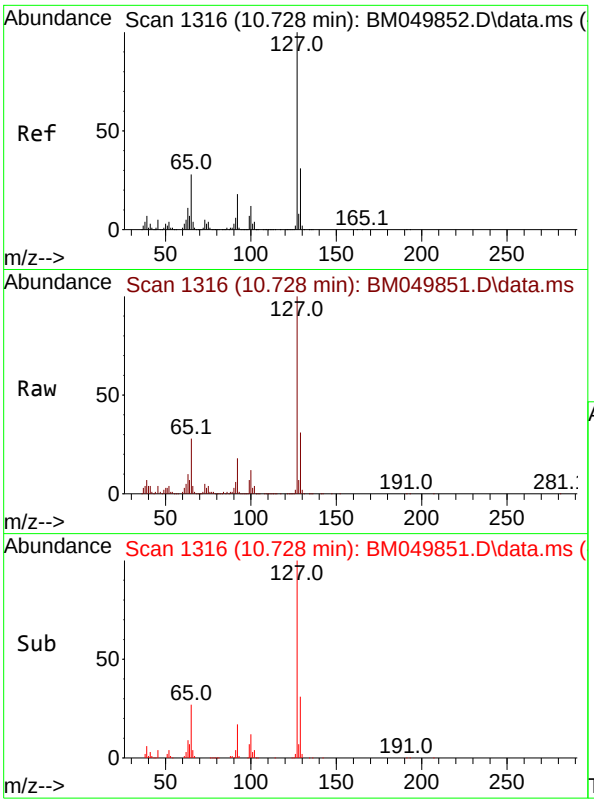


#32
Benzoic acid
Concen: 19.812 ng
RT: 9.839 min Scan# 1165
Delta R.T. -0.036 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:122 Resp: 195350

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



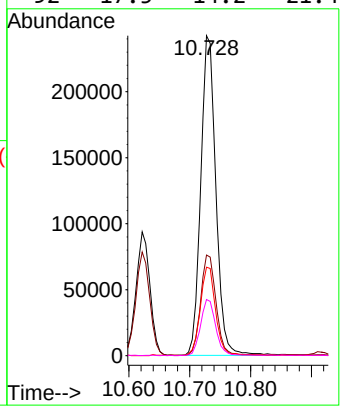


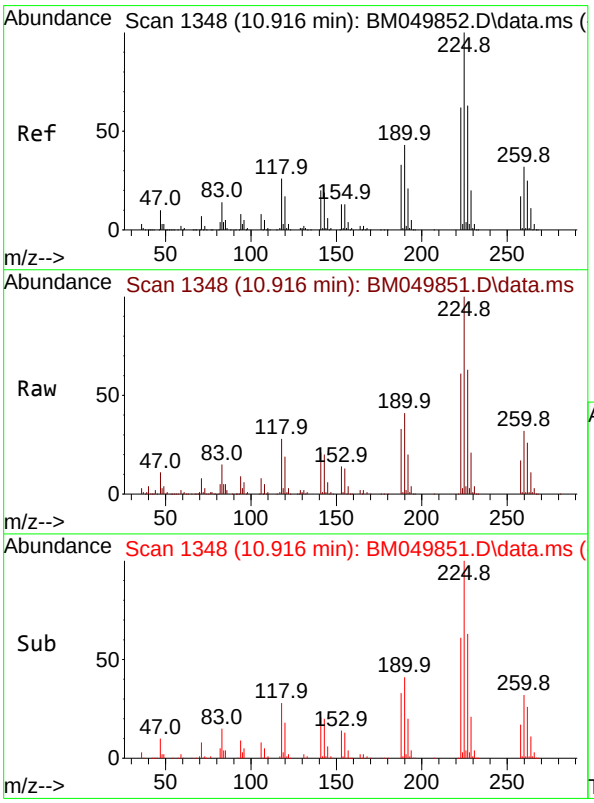
#33
4-Chloroaniline
Concen: 20.742 ng
RT: 10.728 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:127 Resp: 420078

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

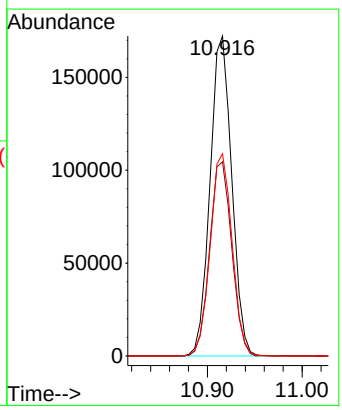


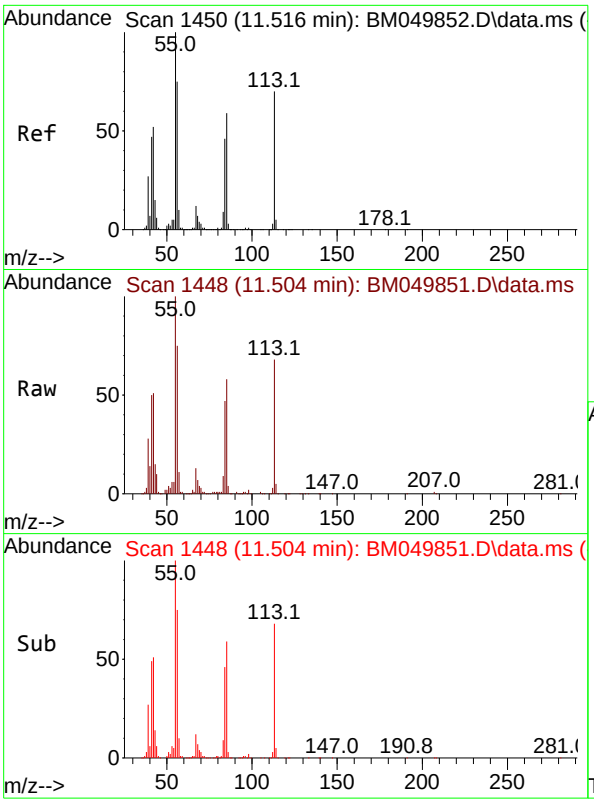


#34
Hexachlorobutadiene
Concen: 19.857 ng
RT: 10.916 min Scan# 1348
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:225 Resp: 273841

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



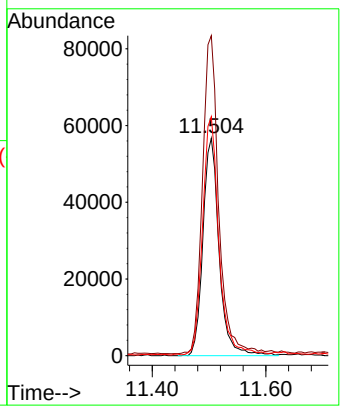


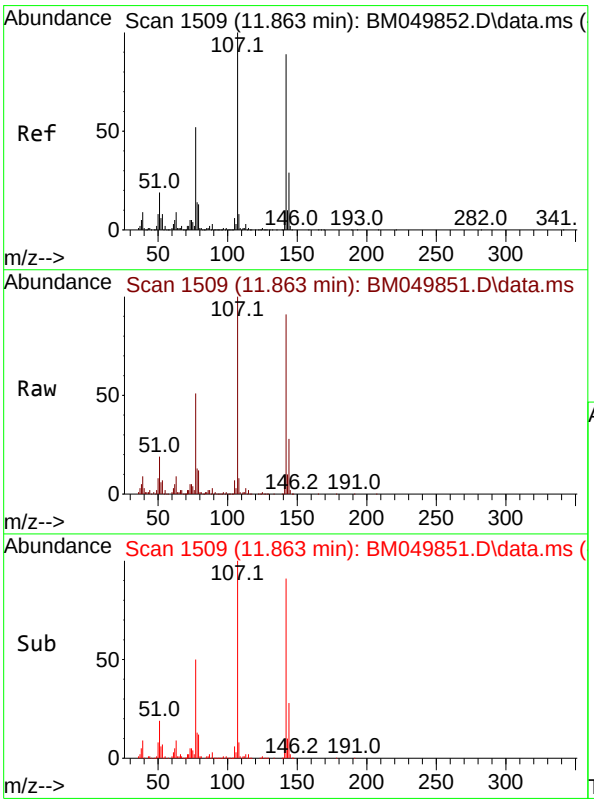
#35
Caprolactam
Concen: 20.199 ng
RT: 11.504 min Scan# 14
Delta R.T. -0.012 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:113 Resp: 111645

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

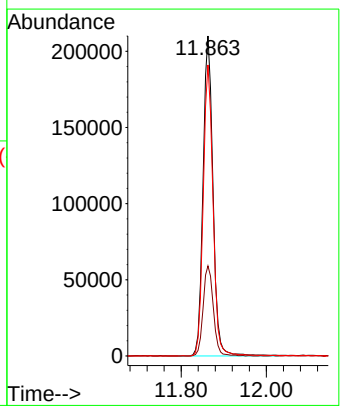


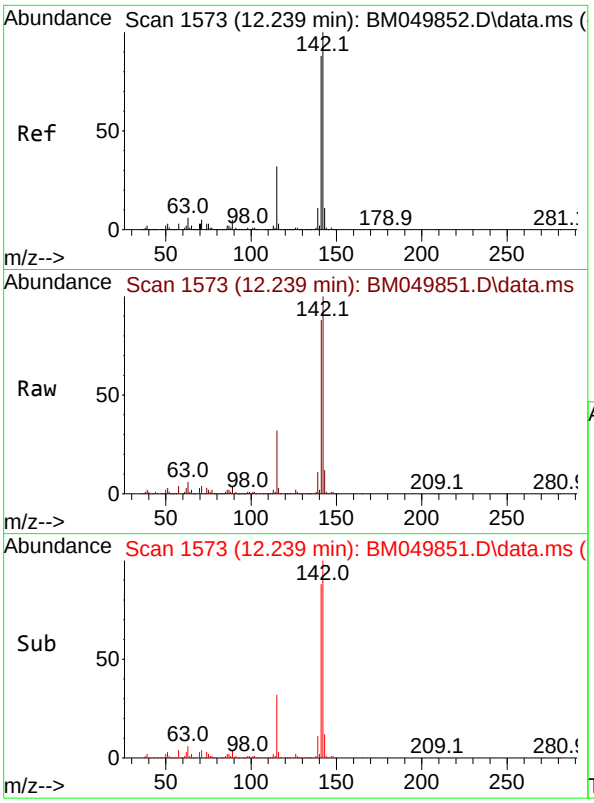


#36
4-Chloro-3-methylphenol
Concen: 20.168 ng
RT: 11.863 min Scan# 1509
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:107 Resp: 340457

Ion	Ratio	Lower	Upper
107	100		
144	28.1	23.6	35.4
142	91.0	71.4	107.0



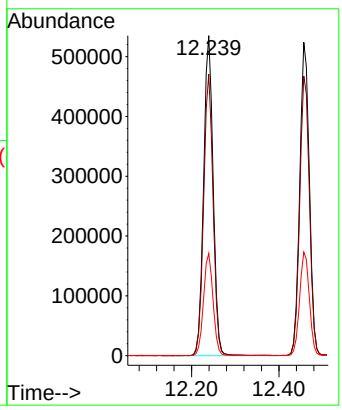


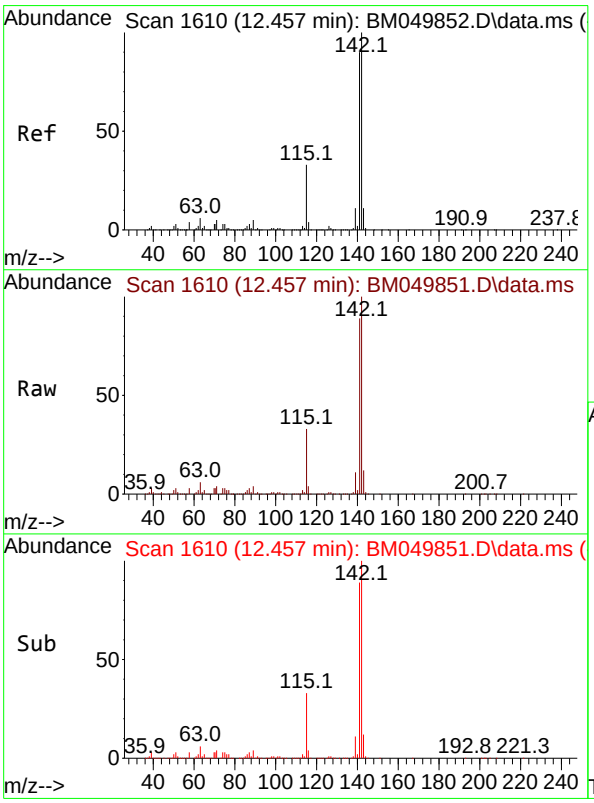
#37
2-Methylnaphthalene
Concen: 20.132 ng
RT: 12.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 813541

Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.2	105.2
115	32.0	25.4	38.2

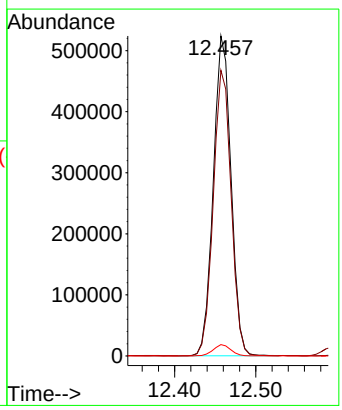


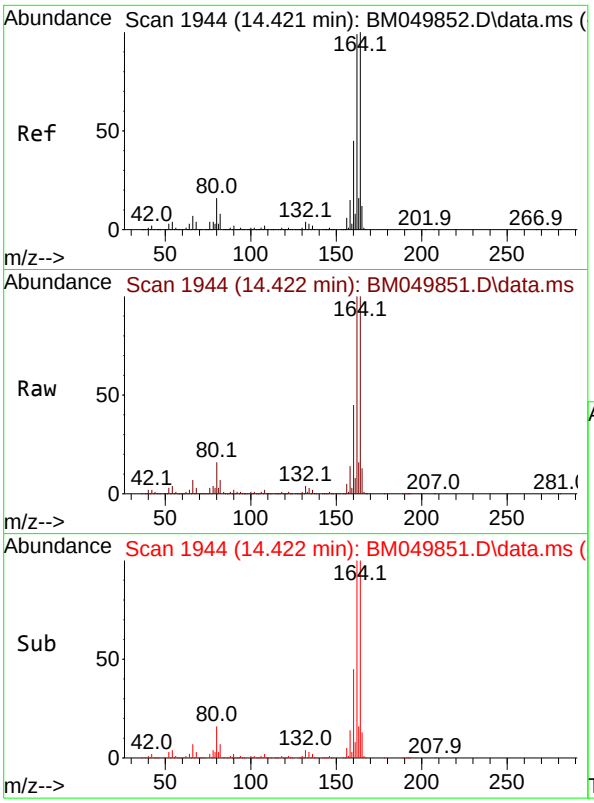


#38
1-Methylnaphthalene
Concen: 20.158 ng
RT: 12.457 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:142 Resp: 793590

Ion	Ratio	Lower	Upper
142	100		
141	89.2	72.2	108.2
116	3.5	2.9	4.3



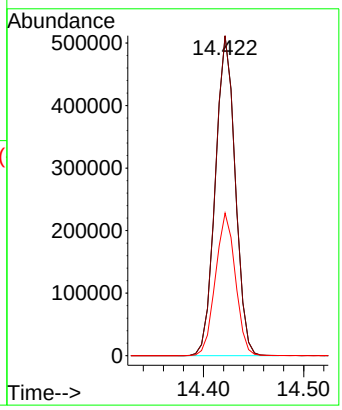


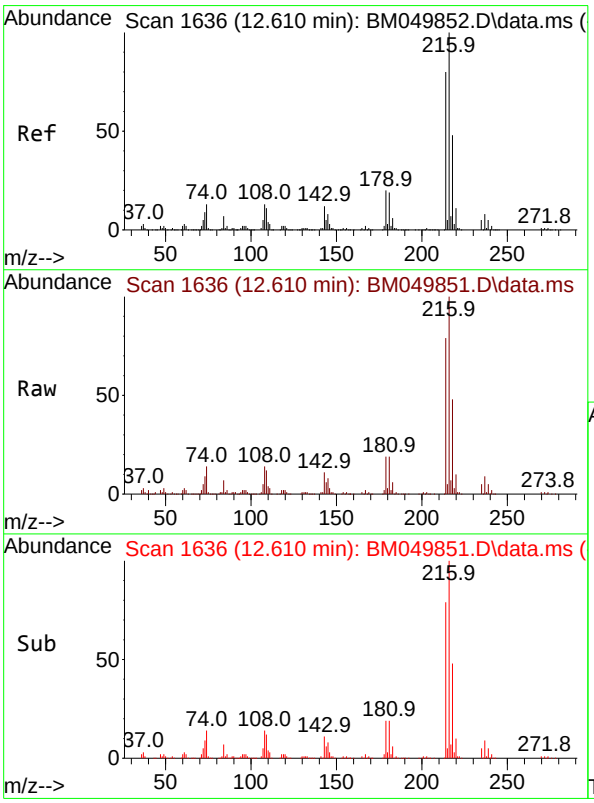
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.422 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:164 Resp: 702854

Ion	Ratio	Lower	Upper
164	100		
162	100.1	79.4	119.0
160	44.6	36.2	54.2

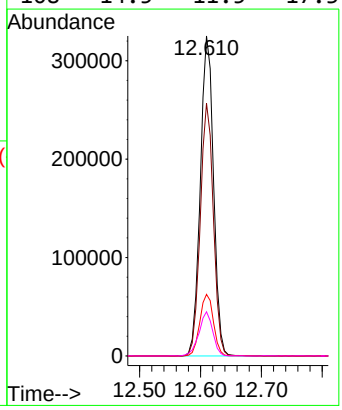


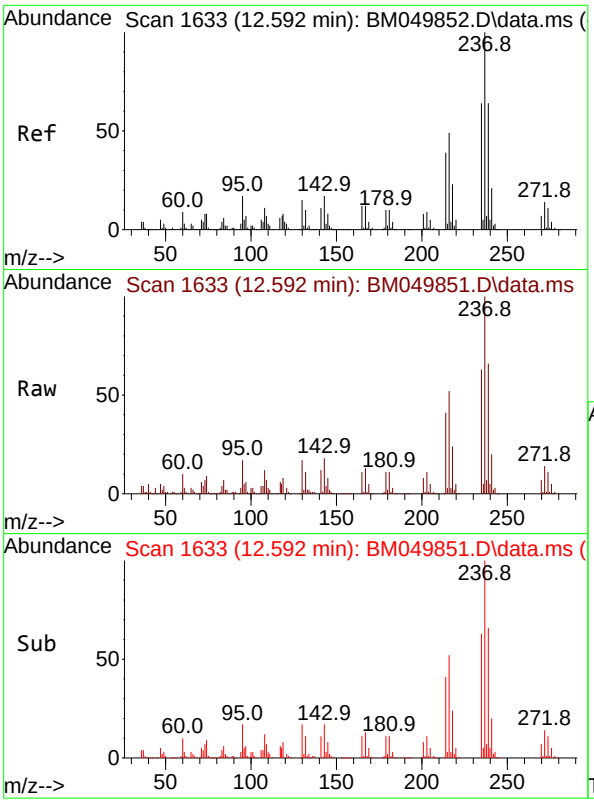


#40
1,2,4,5-Tetrachlorobenzene
Concen: 19.915 ng
RT: 12.610 min Scan# 1636
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:216 Resp: 489705

Ion	Ratio	Lower	Upper
216	100		
214	78.5	63.2	94.8
179	19.9	15.8	23.6
108	14.5	11.5	17.3



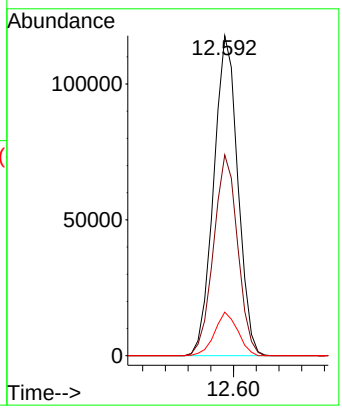


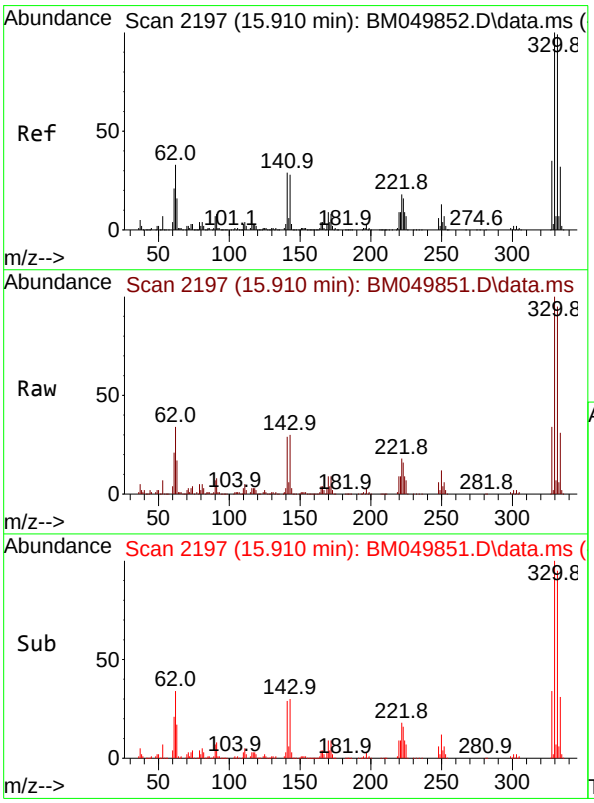
#41
Hexachlorocyclopentadiene
Concen: 20.158 ng
RT: 12.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:237 Resp: 173683

Ion	Ratio	Lower	Upper
237	100		
235	62.7	43.7	83.7
272	13.6	0.0	33.5

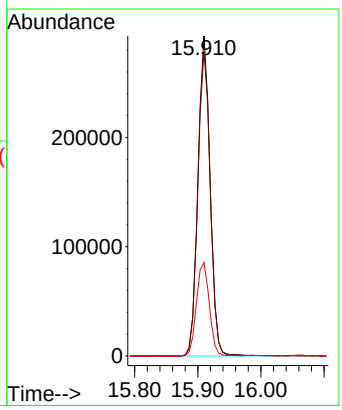


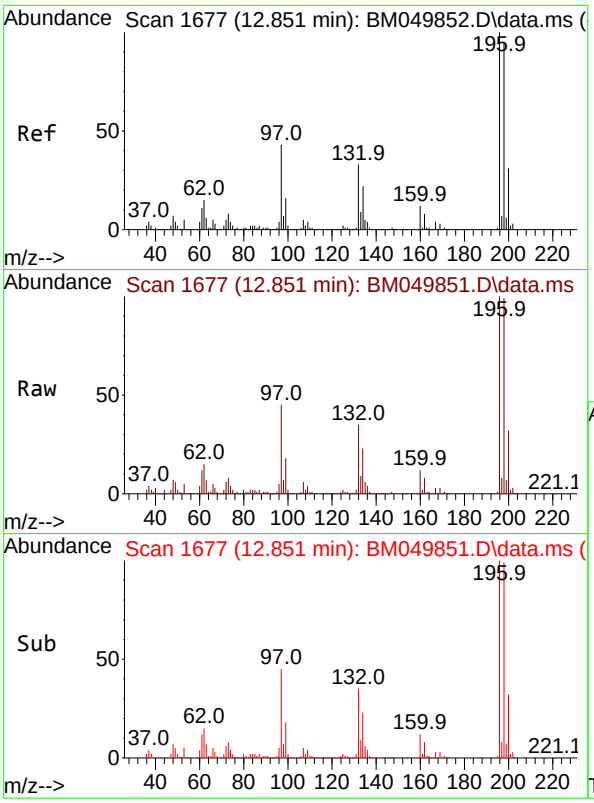


#42
2,4,6-Tribromophenol
Concen: 38.457 ng
RT: 15.910 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:330 Resp: 393158

Ion	Ratio	Lower	Upper
330	100		
332	97.1	78.0	117.0
141	30.8	23.5	35.3



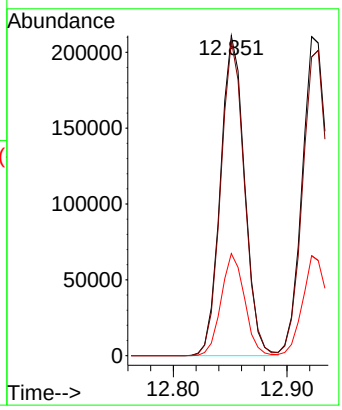


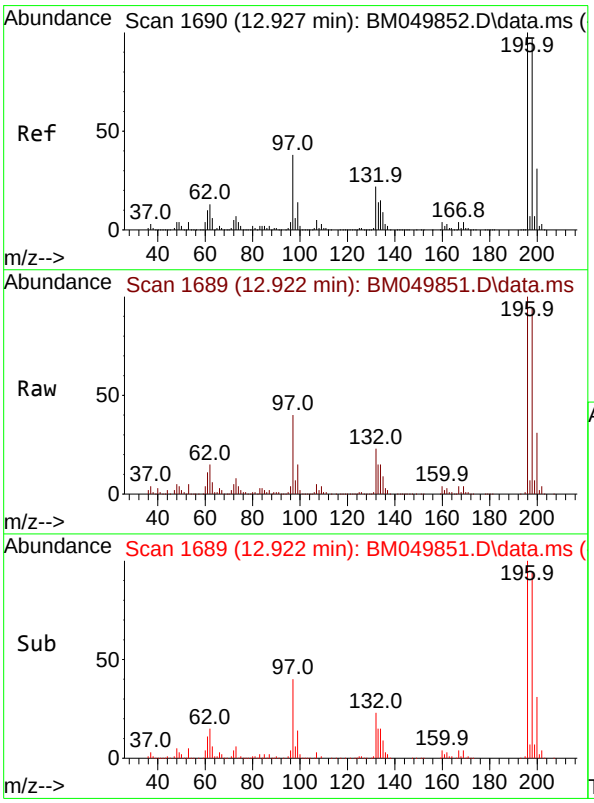
#43
2,4,6-Trichlorophenol
Concen: 19.924 ng
RT: 12.851 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:196 Resp: 311742

Ion	Ratio	Lower	Upper
196	100		
198	98.6	76.1	114.1
200	31.9	24.7	37.1

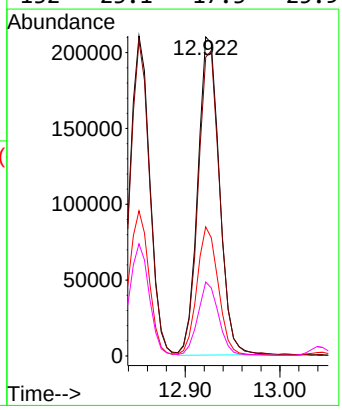


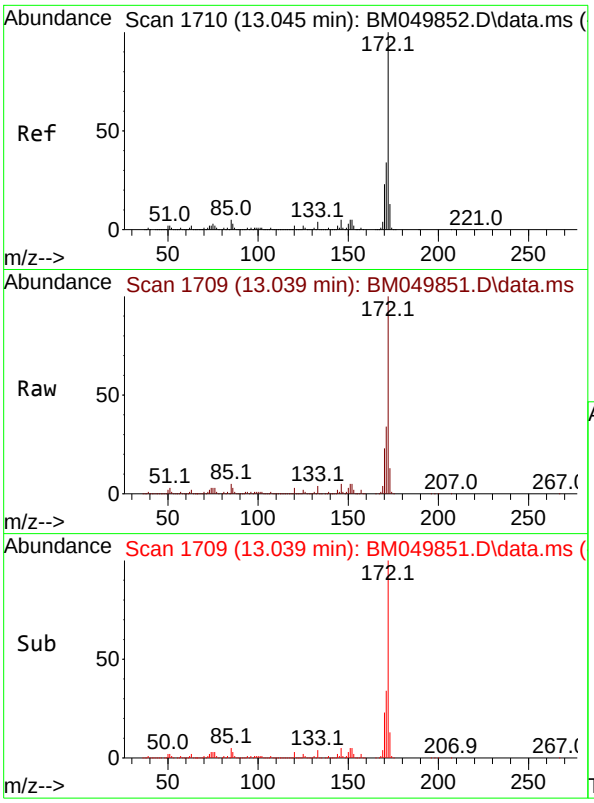


#44
2,4,5-Trichlorophenol
Concen: 19.528 ng
RT: 12.922 min Scan# 1689
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:196 Resp: 332054

Ion	Ratio	Lower	Upper
196	100		
198	93.6	77.7	116.5
97	40.5	30.3	45.5
132	23.1	17.3	25.9



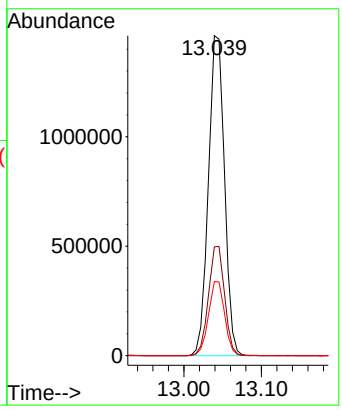


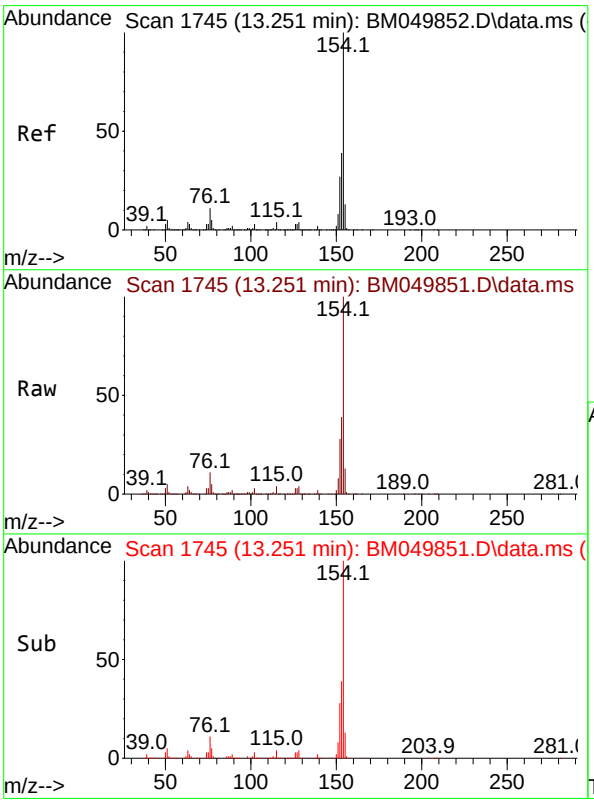
#45
2-Fluorobiphenyl
Concen: 40.653 ng
RT: 13.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:172 Resp: 2107153

Ion	Ratio	Lower	Upper
172	100		
171	34.0	27.4	41.2
170	23.2	18.6	28.0

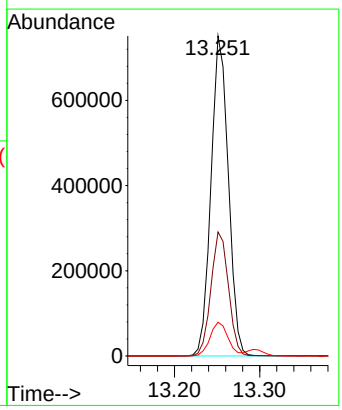


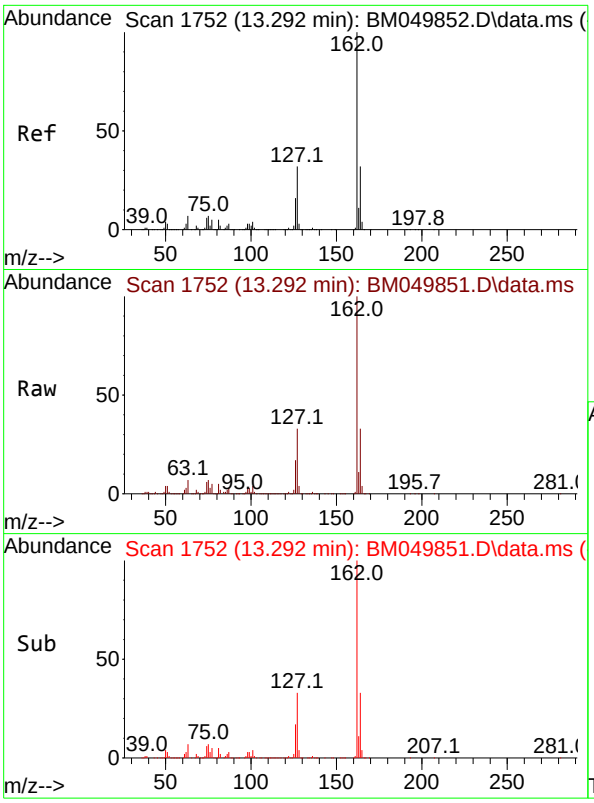


#46
1,1'-Biphenyl
Concen: 20.361 ng
RT: 13.251 min Scan# 1745
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:154 Resp: 1063836

Ion	Ratio	Lower	Upper
154	100		
153	38.7	19.3	59.3
76	10.5	0.0	30.7



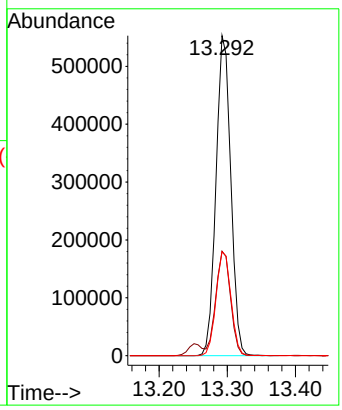


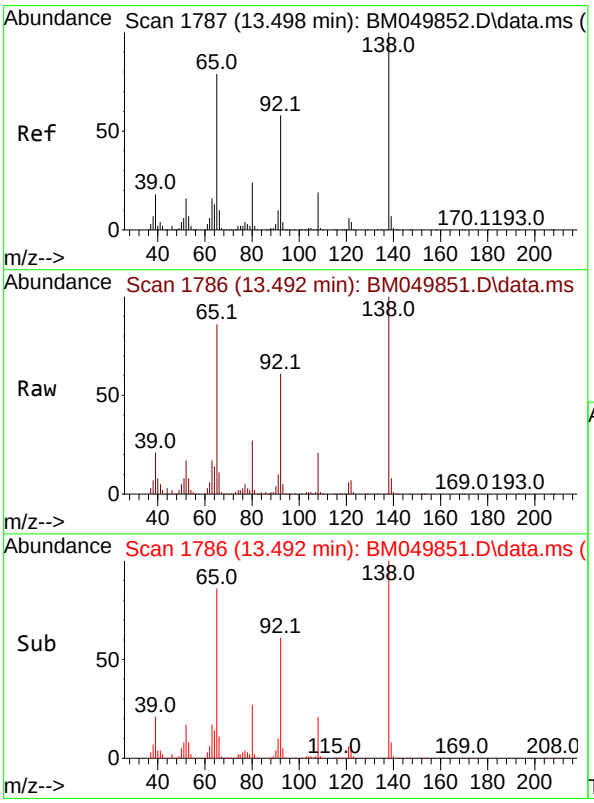
#47
2-Chloronaphthalene
Concen: 20.334 ng
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 835052

Ion	Ratio	Lower	Upper
162	100		
127	32.6	26.0	39.0
164	32.5	25.9	38.9

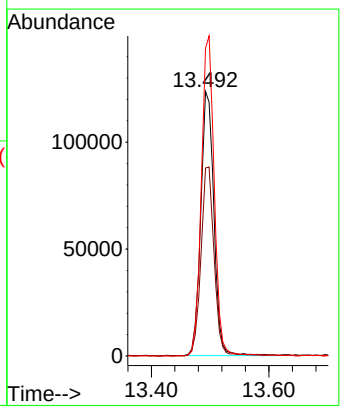


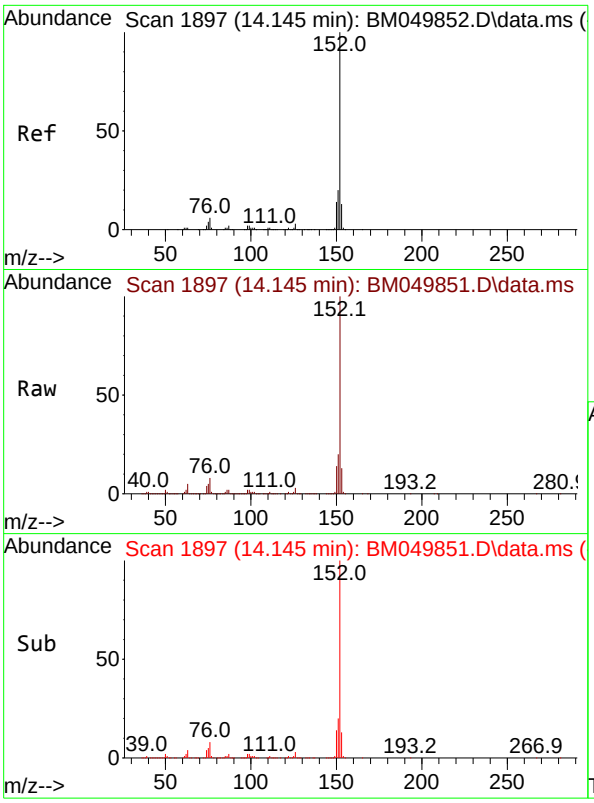


#48
2-Nitroaniline
Concen: 20.149 ng
RT: 13.492 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion: 65 Resp: 191426

Ion	Ratio	Lower	Upper
65	100		
92	71.1	58.4	87.6
138	116.5	100.8	151.2



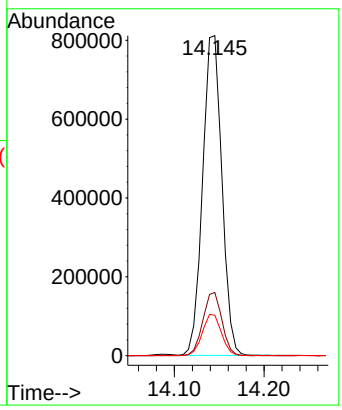


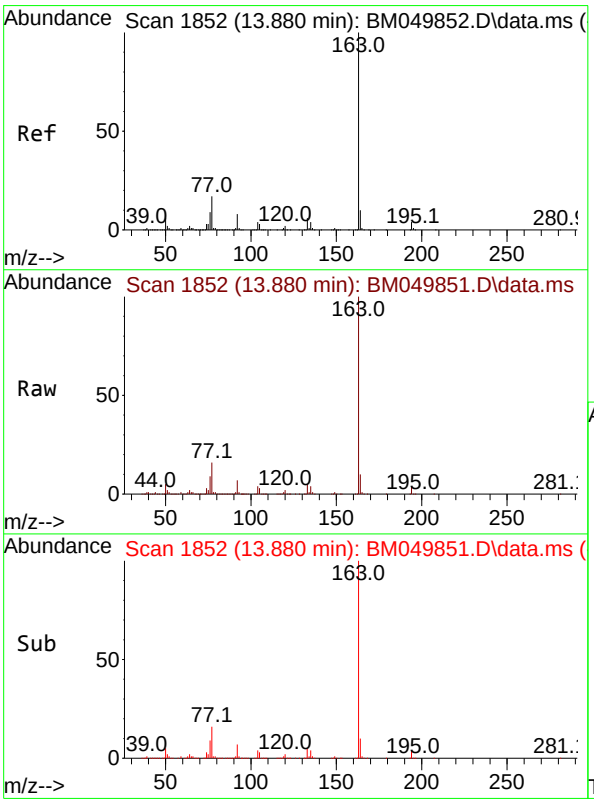
#49
Acenaphthylene
Concen: 20.189 ng
RT: 14.145 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 1207654

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.7	23.5
153	12.7	10.4	15.6

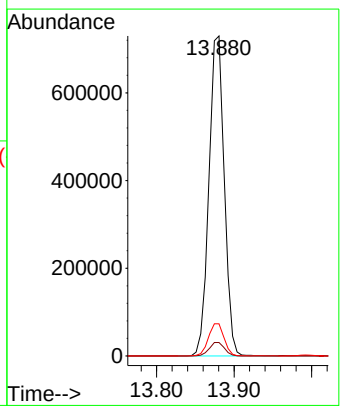


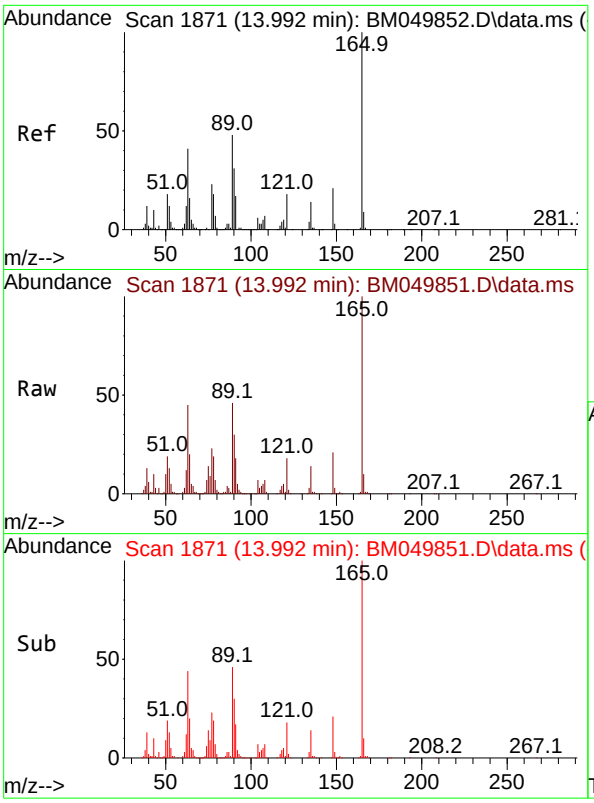


#50
Dimethylphthalate
Concen: 20.271 ng
RT: 13.880 min Scan# 1852
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:163 Resp: 1005157

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.5	5.3
164	10.1	7.9	11.9



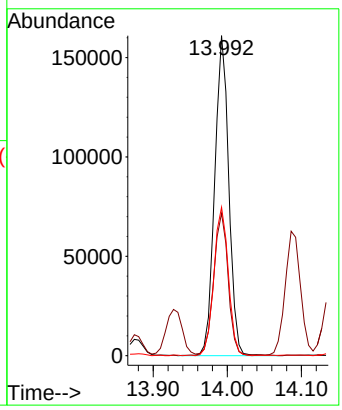


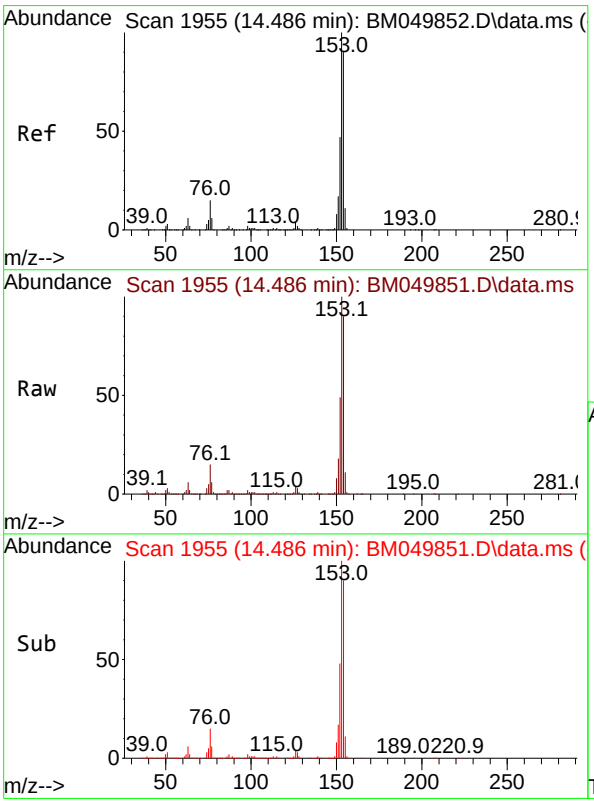
#51
2,6-Dinitrotoluene
Concen: 20.474 ng
RT: 13.992 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 212702

Ion	Ratio	Lower	Upper
165	100		
63	44.5	36.1	54.1
89	46.4	38.3	57.5

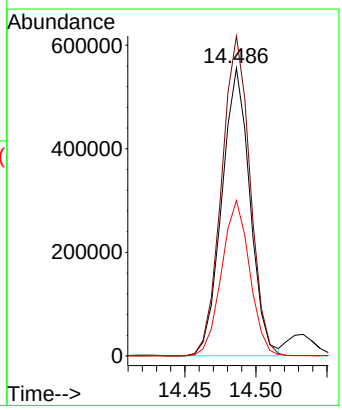


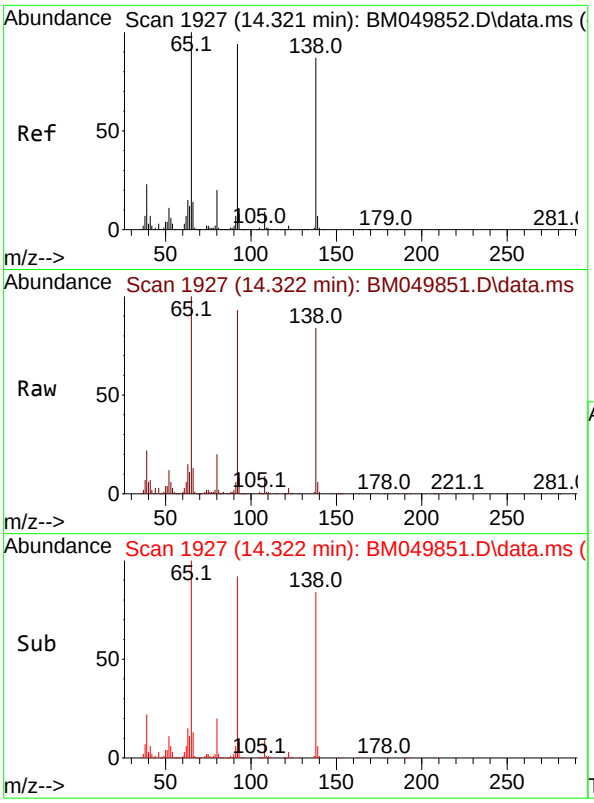


#52
Acenaphthene
Concen: 20.122 ng
RT: 14.486 min Scan# 1955
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:154 Resp: 765635

Ion	Ratio	Lower	Upper
154	100		
153	111.2	89.3	133.9
152	54.1	42.2	63.2



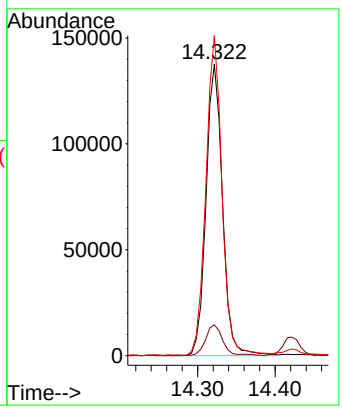


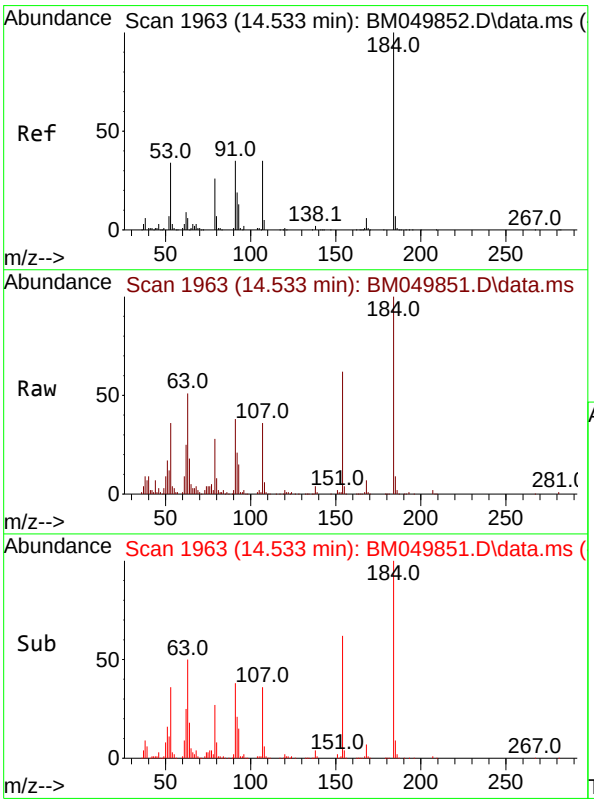
#53
3-Nitroaniline
Concen: 20.306 ng
RT: 14.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:138 Resp: 203884

Ion	Ratio	Lower	Upper
138	100		
108	10.6	8.1	12.1
92	109.8	86.5	129.7

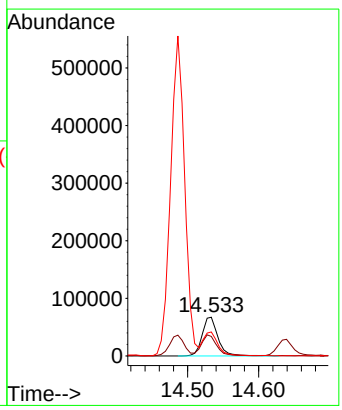


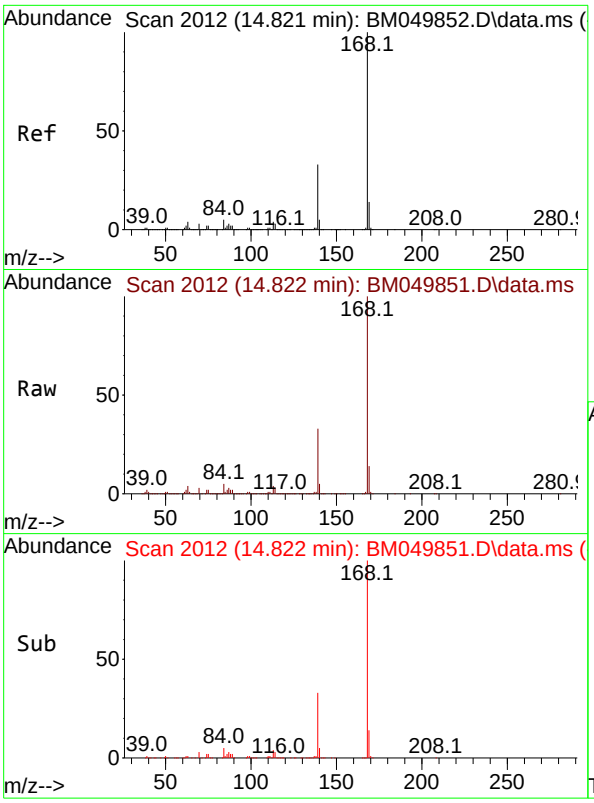


#54
2,4-Dinitrophenol
Concen: 19.806 ng
RT: 14.533 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:184 Resp: 104048

Ion	Ratio	Lower	Upper
184	100		
63	50.5	38.4	57.6
154	62.0	48.1	72.1



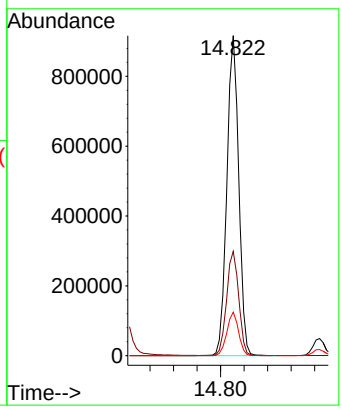


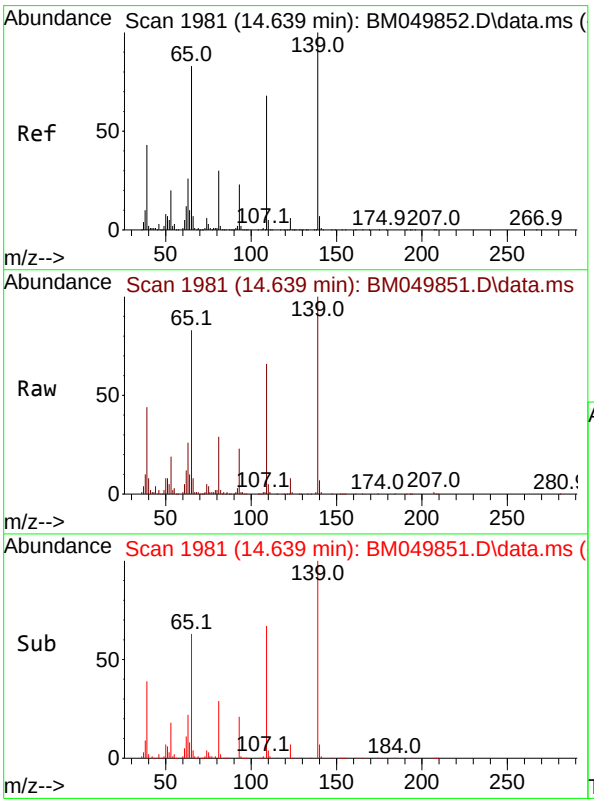
#55
Dibenzofuran
Concen: 20.125 ng
RT: 14.822 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:168 Resp: 1280124

Ion	Ratio	Lower	Upper
168	100		
139	32.6	26.6	39.8
169	13.6	11.0	16.4

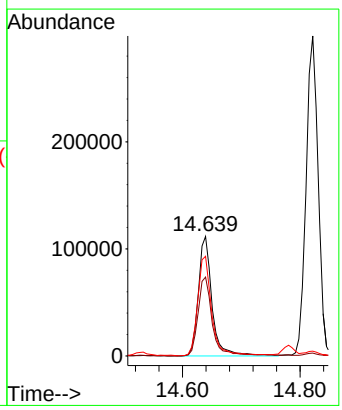


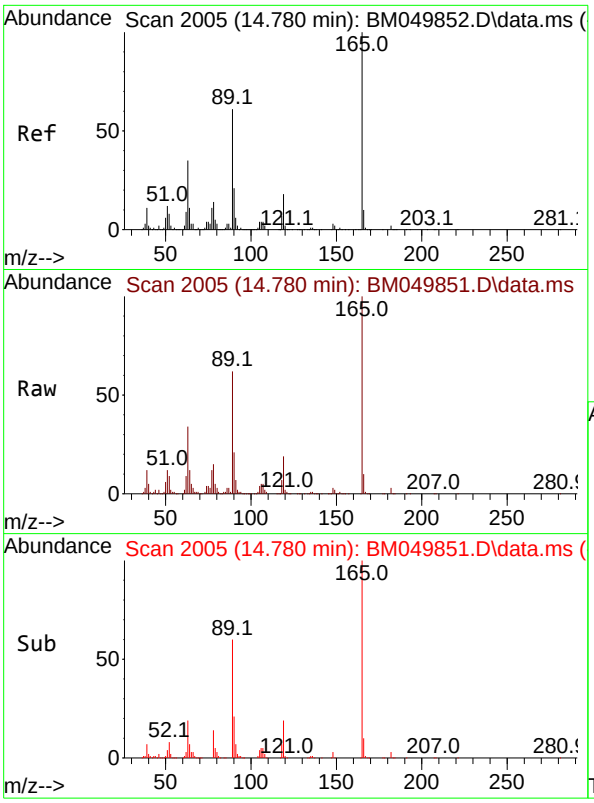


#56
4-Nitrophenol
Concen: 20.171 ng
RT: 14.639 min Scan# 1981
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:139 Resp: 180482

Ion	Ratio	Lower	Upper
139	100		
109	65.9	47.9	87.9
65	83.4	62.7	102.7



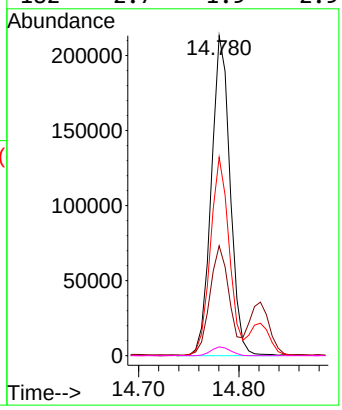


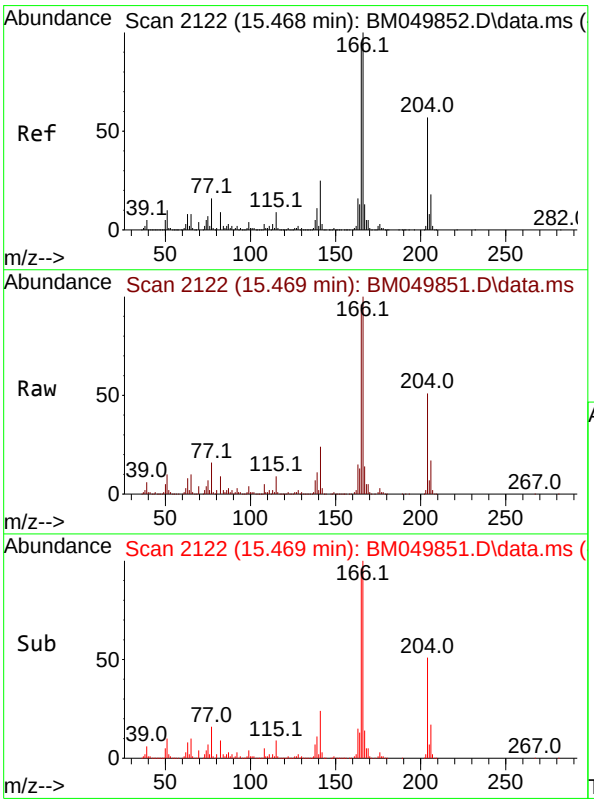
#57
2,4-Dinitrotoluene
Concen: 20.039 ng
RT: 14.780 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 277724

Ion	Ratio	Lower	Upper
165	100		
63	34.4	28.6	42.8
89	62.0	49.0	73.6
182	2.7	1.9	2.9

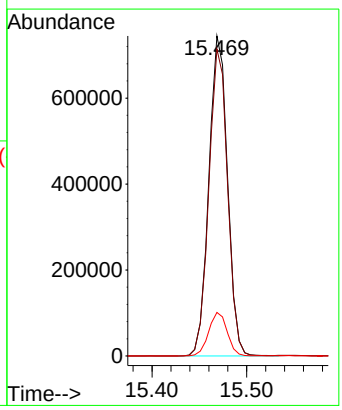


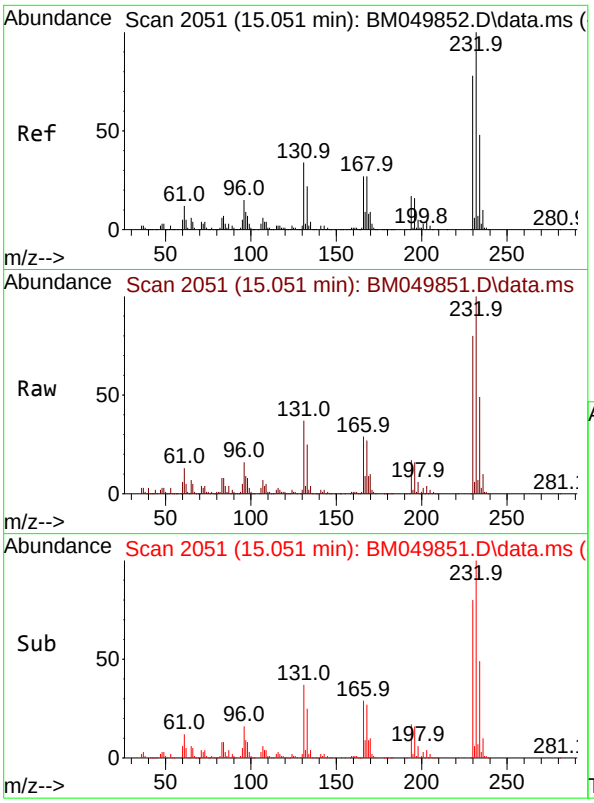


#58
Fluorene
Concen: 20.163 ng
RT: 15.469 min Scan# 2122
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:166 Resp: 1019442

Ion	Ratio	Lower	Upper
166	100		
165	95.9	76.3	114.5
167	13.6	10.7	16.1



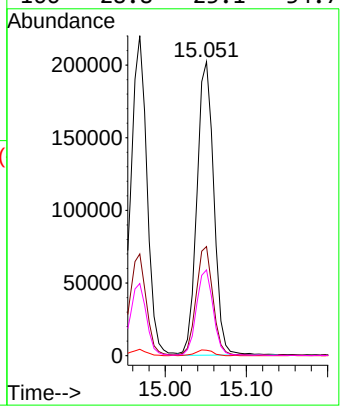


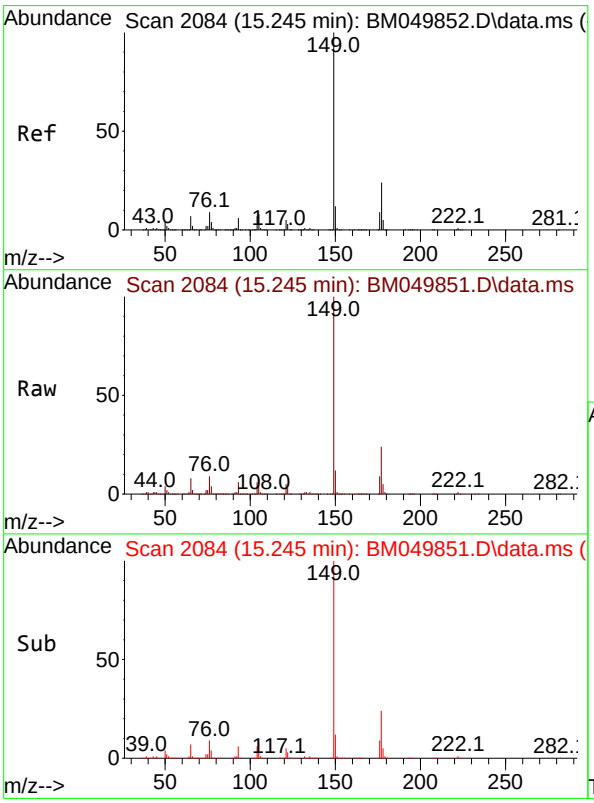
#59
2,3,4,6-Tetrachlorophenol
Concen: 19.603 ng
RT: 15.051 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:232 Resp: 292142

Ion	Ratio	Lower	Upper
232	100		
131	36.8	28.4	42.6
130	2.1	1.6	2.4
166	28.8	23.1	34.7

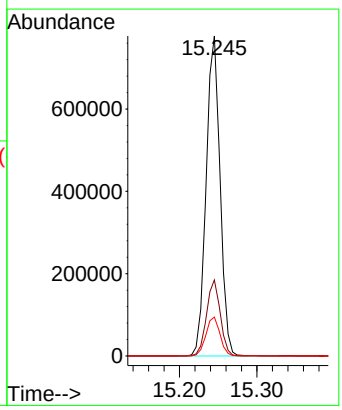


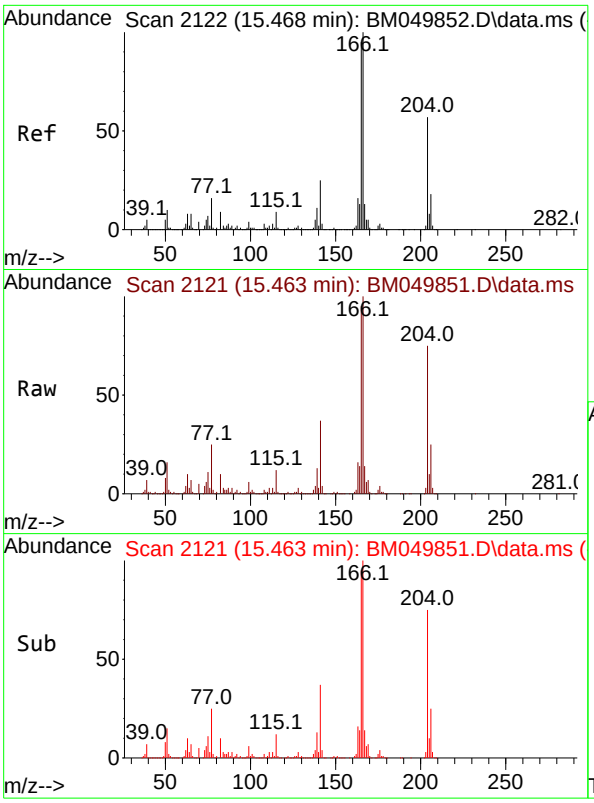


#60
Diethylphthalate
Concen: 20.369 ng
RT: 15.245 min Scan# 2084
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:149 Resp: 968568

Ion	Ratio	Lower	Upper
149	100		
177	23.7	19.0	28.4
150	12.2	9.7	14.5



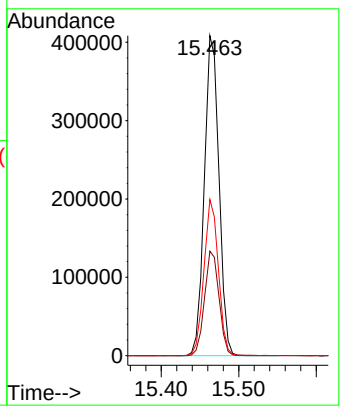


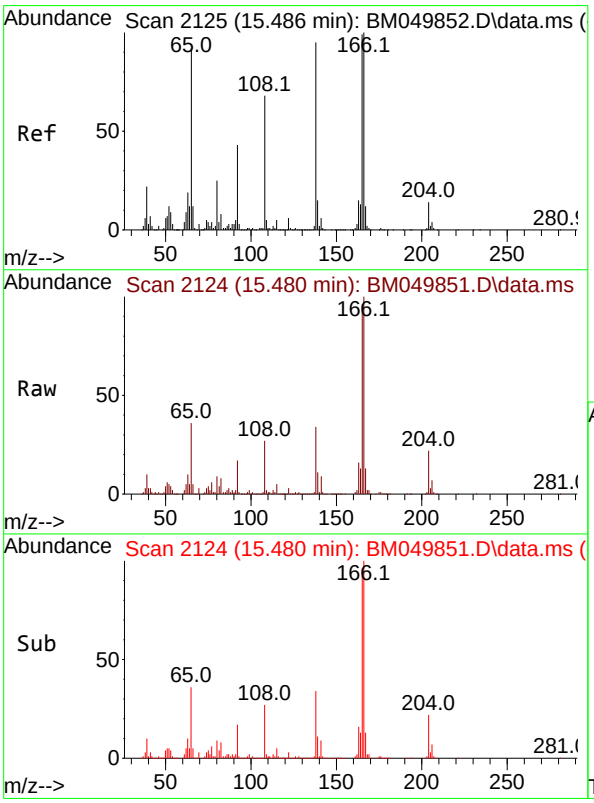
#61
4-Chlorophenyl-phenylether
Concen: 19.737 ng
RT: 15.463 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:204 Resp: 535017

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.2	39.2
141	48.8	35.0	52.6

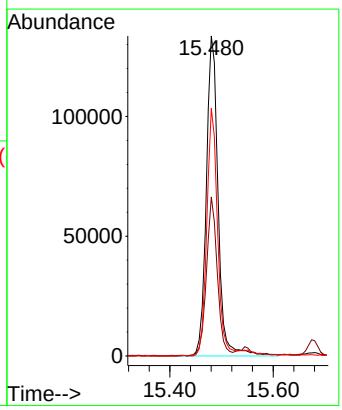


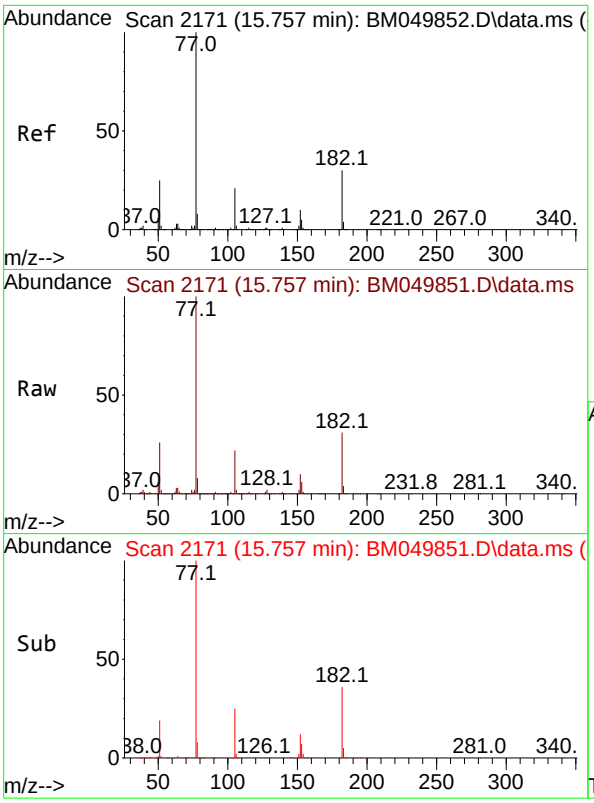


#62
4-Nitroaniline
Concen: 20.390 ng
RT: 15.480 min Scan# 2124
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:138 Resp: 211717

Ion	Ratio	Lower	Upper
138	100		
92	49.7	24.9	64.9
108	77.4	51.7	91.7



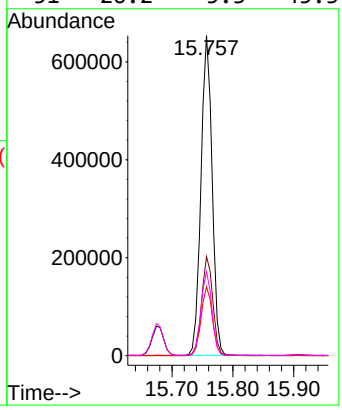


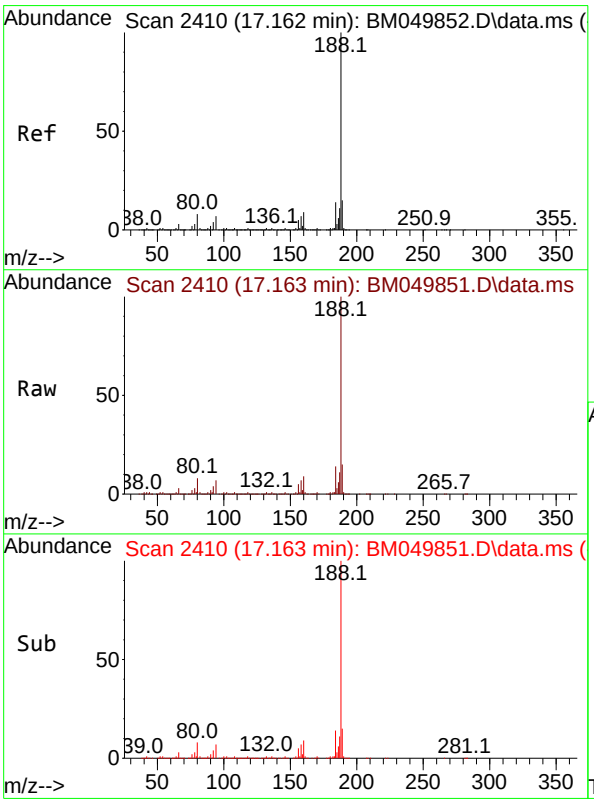
#63
Azobenzene
Concen: 20.453 ng
RT: 15.757 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 832670

Ion	Ratio	Lower	Upper
77	100		
182	31.0	10.4	50.4
105	21.5	1.5	41.5
51	26.2	5.3	45.3

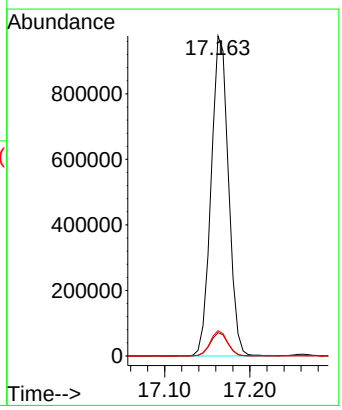


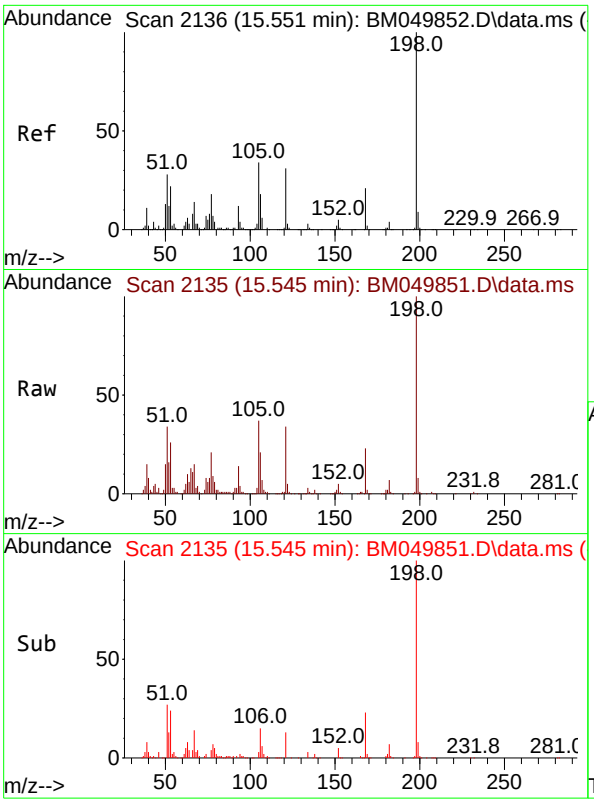


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.163 min Scan# 2410
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:188 Resp: 1378813

Ion	Ratio	Lower	Upper
188	100		
94	7.3	5.8	8.6
80	7.9	6.4	9.6



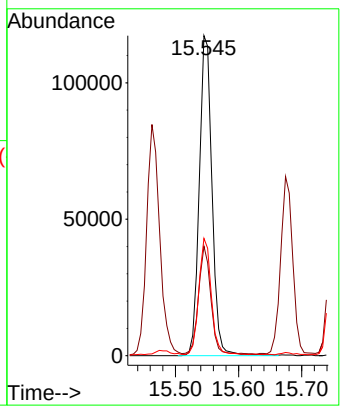


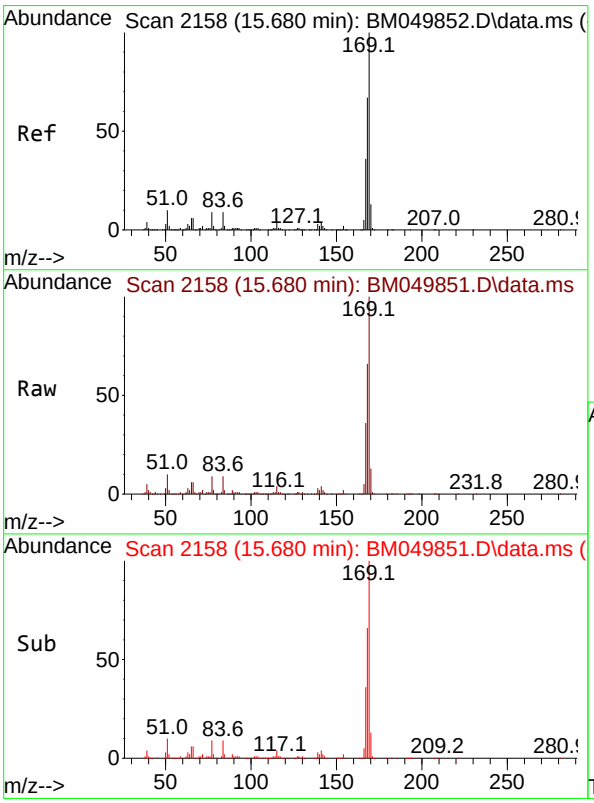
#65
4,6-Dinitro-2-methylphenol
Concen: 18.880 ng
RT: 15.545 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:198 Resp: 164040

Ion	Ratio	Lower	Upper
198	100		
51	34.2	9.6	49.6
105	36.7	14.7	54.7

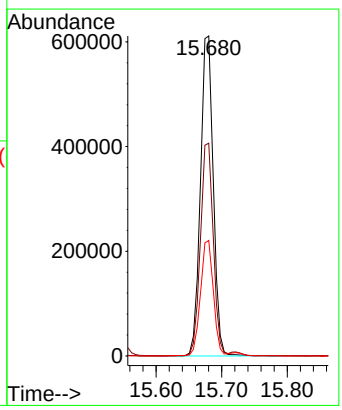


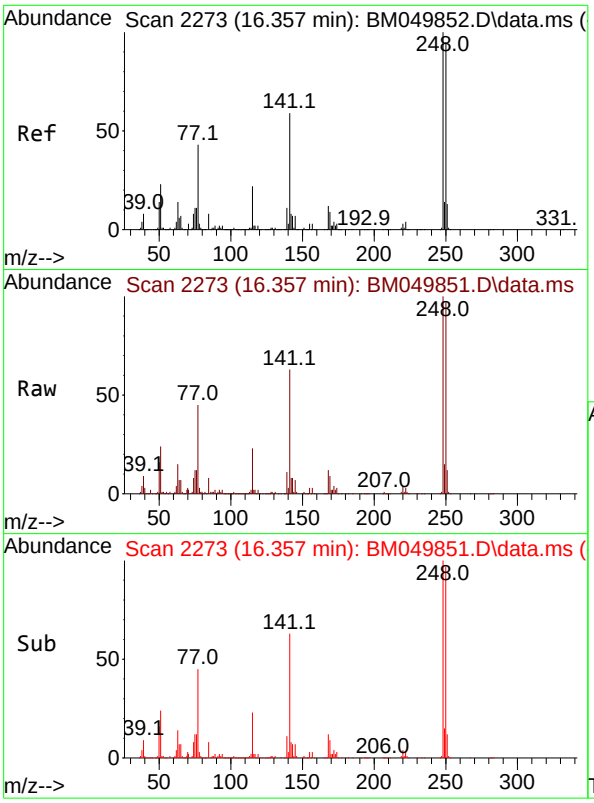


#66
n-Nitrosodiphenylamine
Concen: 20.246 ng
RT: 15.680 min Scan# 2158
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:169 Resp: 835415

Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.4	80.2
167	36.1	29.0	43.6



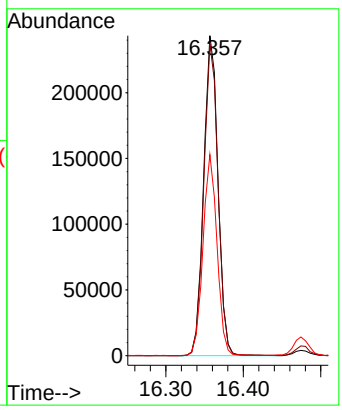


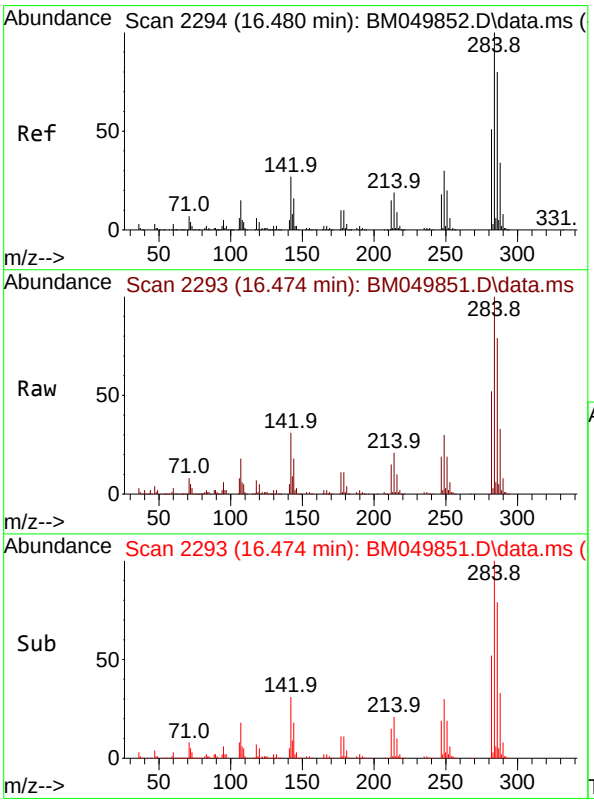
#67
4-Bromophenyl-phenylether
Concen: 19.537 ng
RT: 16.357 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:248 Resp: 312714

Ion	Ratio	Lower	Upper
248	100		
250	97.4	76.2	114.2
141	62.9	47.3	70.9

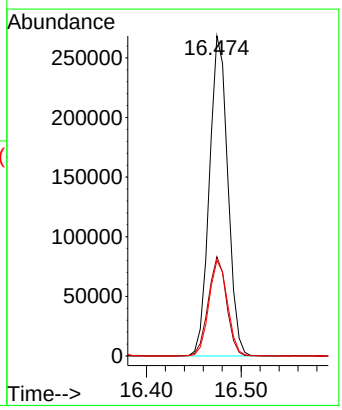


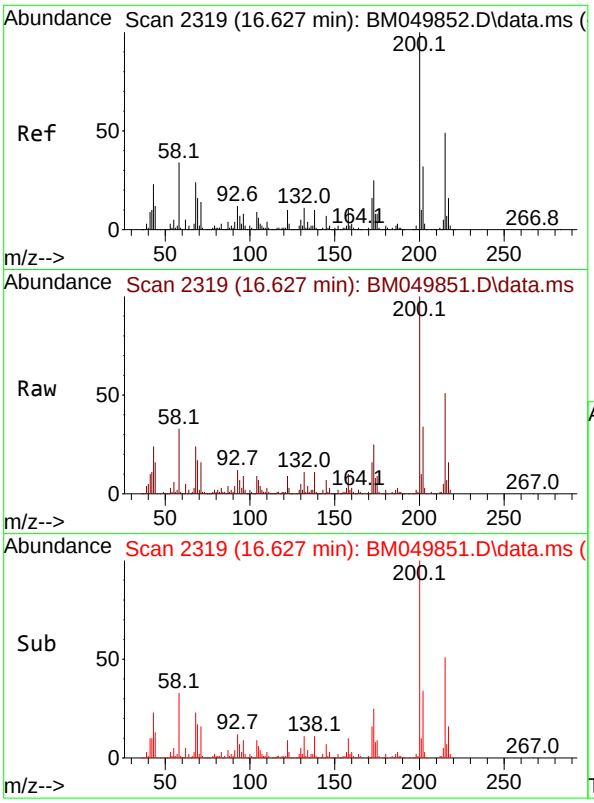


#68
Hexachlorobenzene
Concen: 19.701 ng
RT: 16.474 min Scan# 2293
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:284 Resp: 361698

Ion	Ratio	Lower	Upper
284	100		
142	31.0	21.2	31.8
249	29.8	24.1	36.1



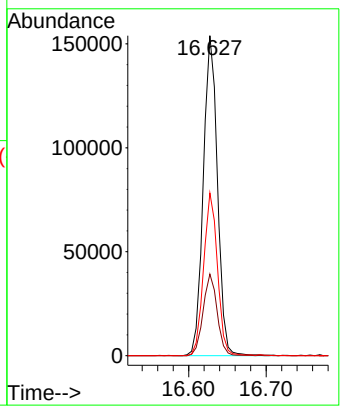


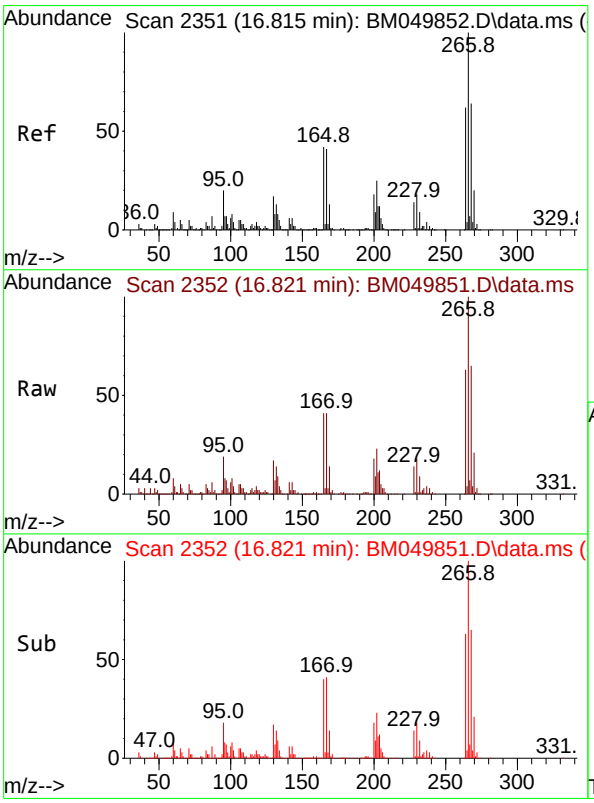
#69
Atrazine
Concen: 18.255 ng
RT: 16.627 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:200 Resp: 195306

Ion	Ratio	Lower	Upper
200	100		
173	25.5	5.4	45.4
215	50.8	29.0	69.0

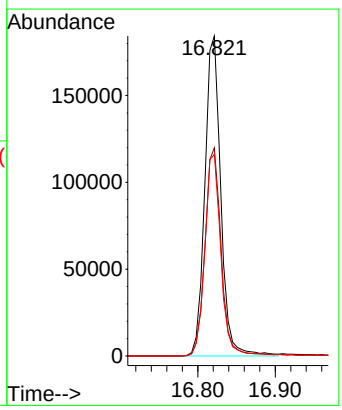


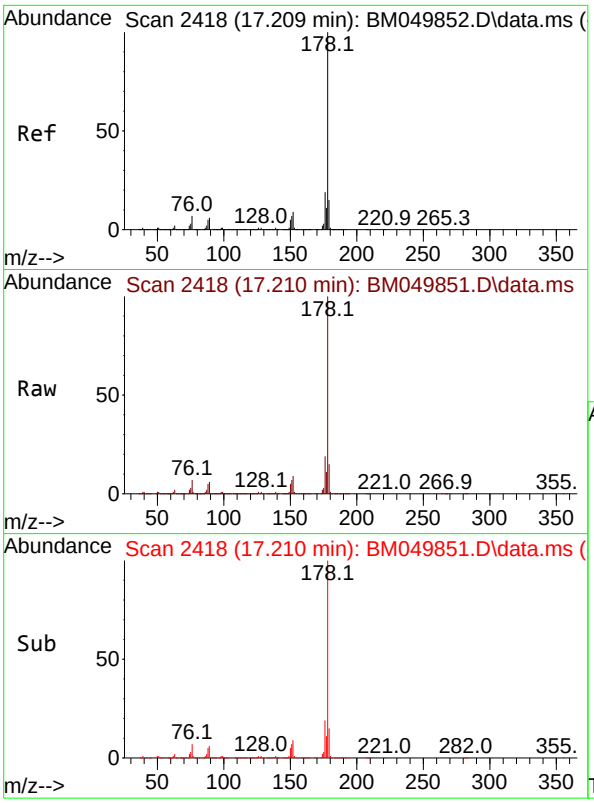


#70
Pentachlorophenol
Concen: 19.488 ng
RT: 16.821 min Scan# 2352
Delta R.T. 0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:266 Resp: 263410

Ion	Ratio	Lower	Upper
266	100		
268	65.1	51.4	77.2
264	62.9	49.8	74.8



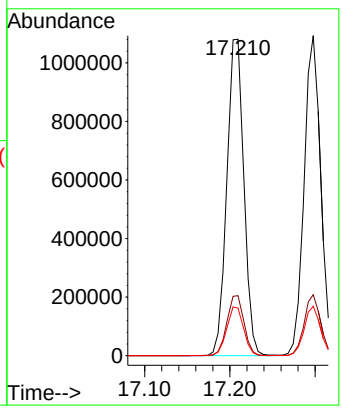


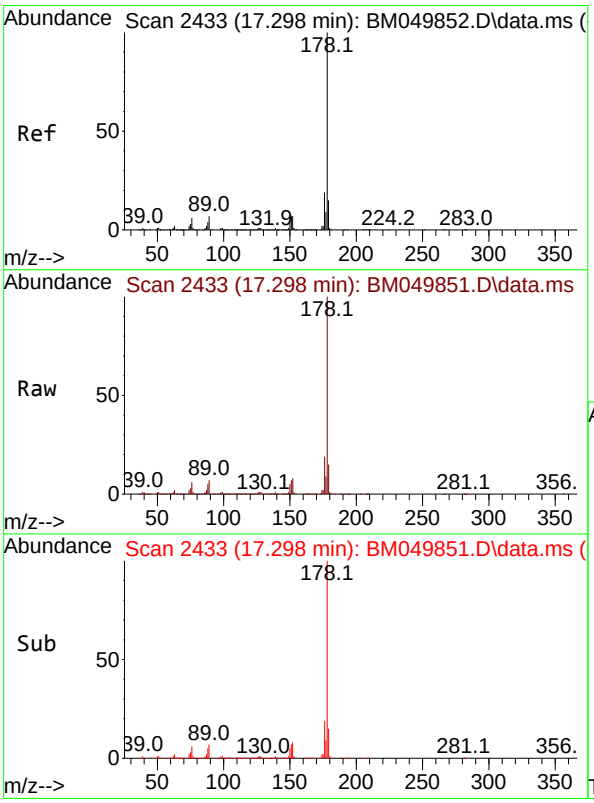
#71
Phenanthrene
Concen: 19.979 ng
RT: 17.210 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:178 Resp: 1510233

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	15.0	12.3	18.5

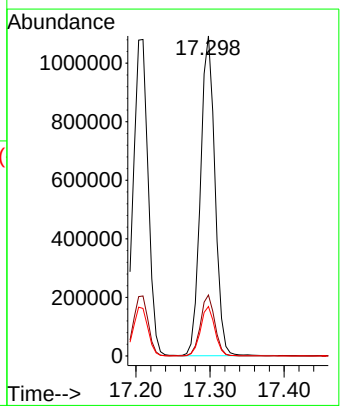


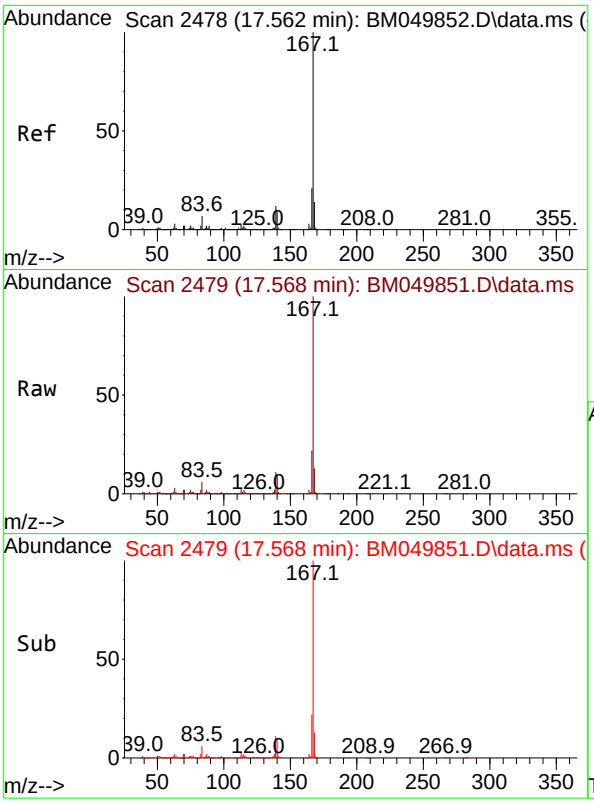


#72
Anthracene
Concen: 19.887 ng
RT: 17.298 min Scan# 2433
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:178 Resp: 1481463

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.1	22.7
179	15.4	12.4	18.6



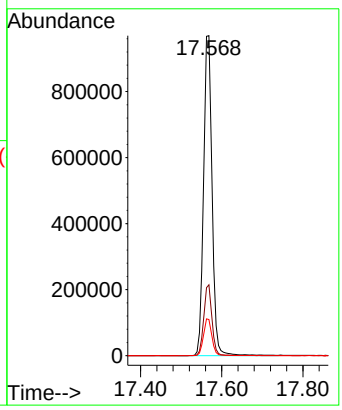


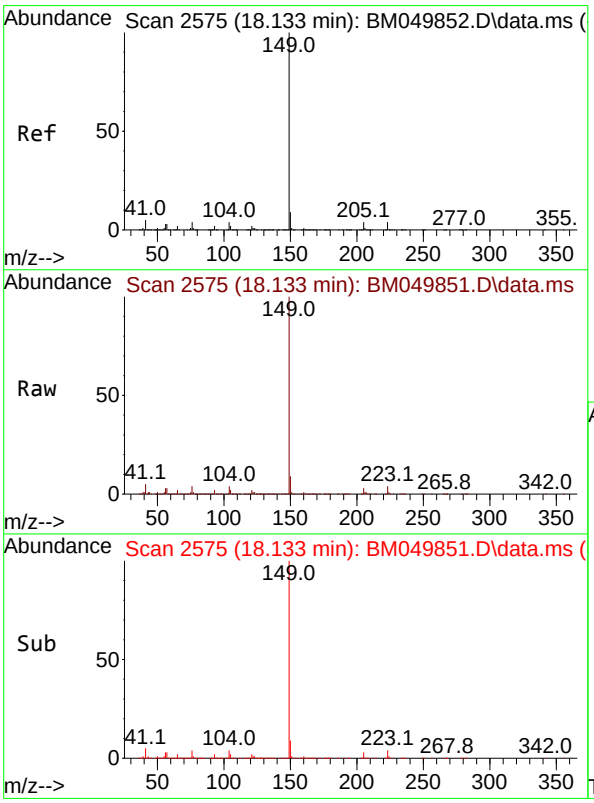
#73
Carbazole
Concen: 20.114 ng
RT: 17.568 min Scan# 24
Delta R.T. 0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:167 Resp: 1411278

Ion	Ratio	Lower	Upper
167	100		
166	22.1	16.9	25.3
139	11.3	9.3	13.9

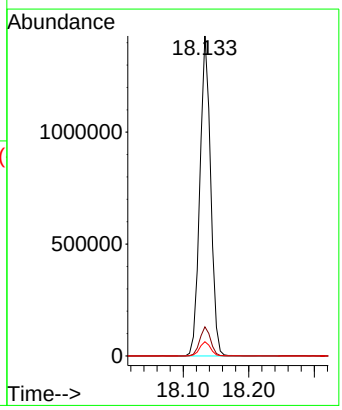


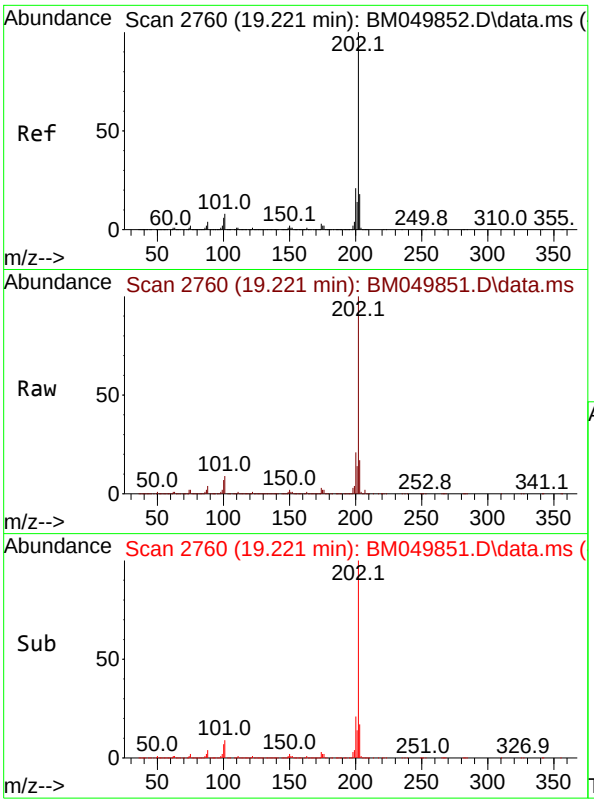


#74
Di-n-butylphthalate
Concen: 20.278 ng
RT: 18.133 min Scan# 2575
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:149 Resp: 1638787

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.5	11.3
104	4.5	3.5	5.3



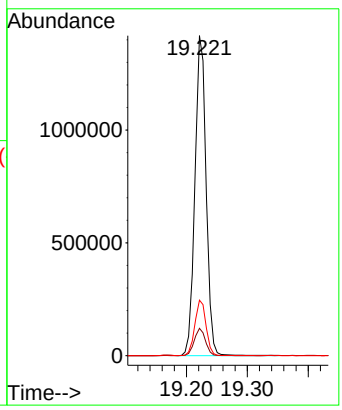


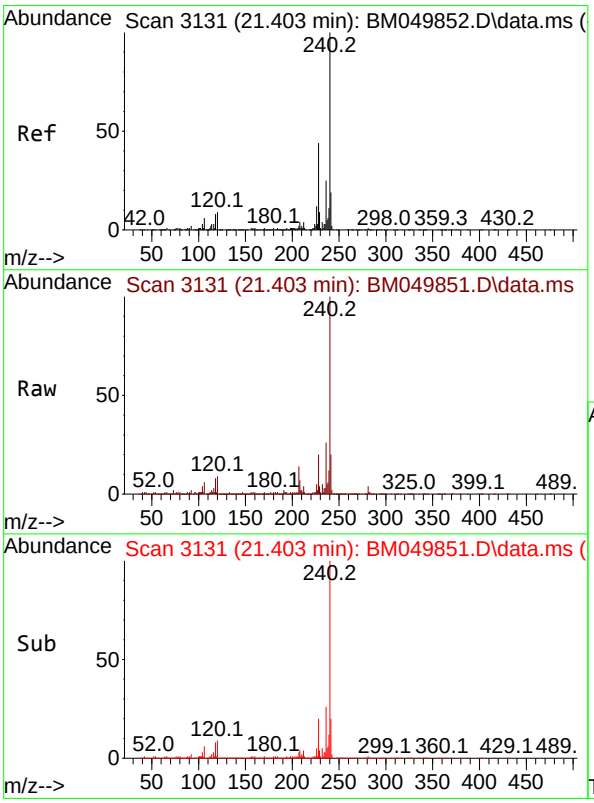
#75
Fluoranthene
Concen: 19.433 ng
RT: 19.221 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:202 Resp: 1806131

Ion	Ratio	Lower	Upper
202	100		
101	8.5	0.0	28.4
203	17.4	0.0	37.8

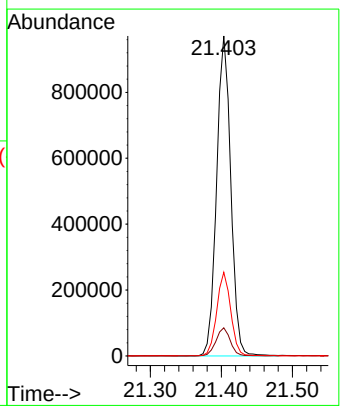


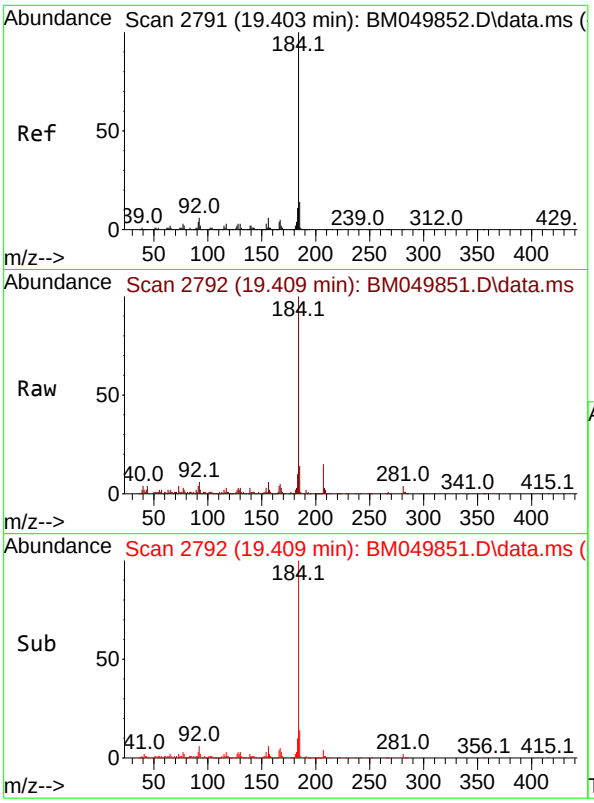


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:240 Resp: 1339758

Ion	Ratio	Lower	Upper
240	100		
120	8.8	6.9	10.3
236	26.1	20.4	30.6



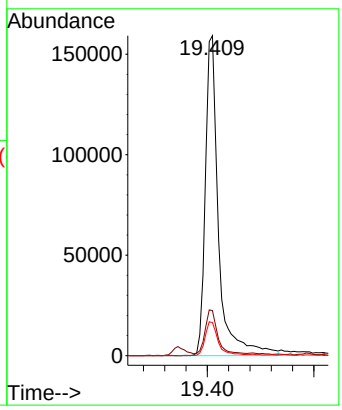


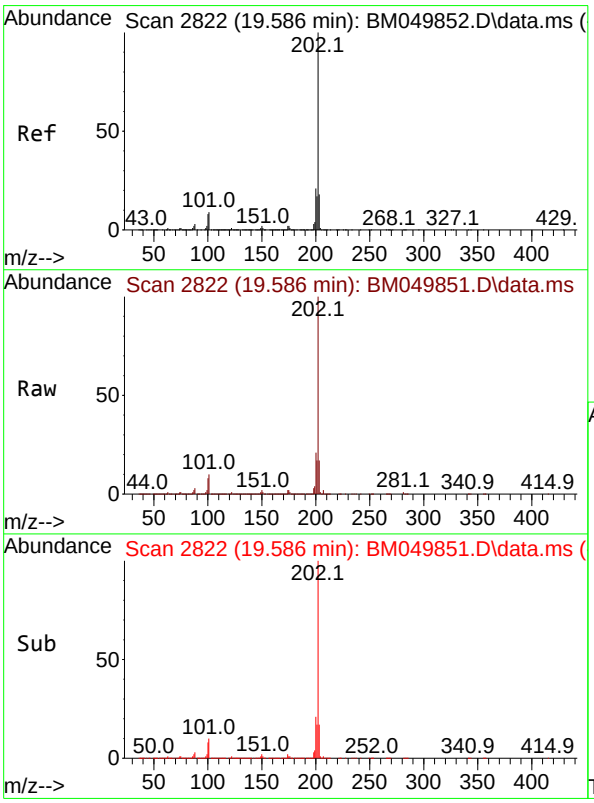
#77
Benzidine
Concen: 15.426 ng
RT: 19.409 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:184 Resp: 274181

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.4	17.2
183	10.4	8.8	13.2

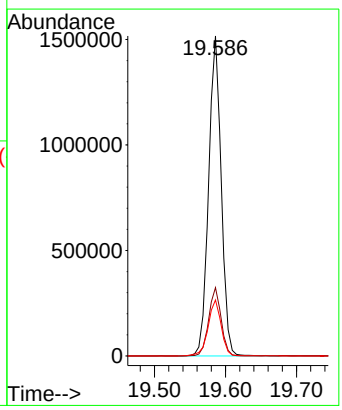


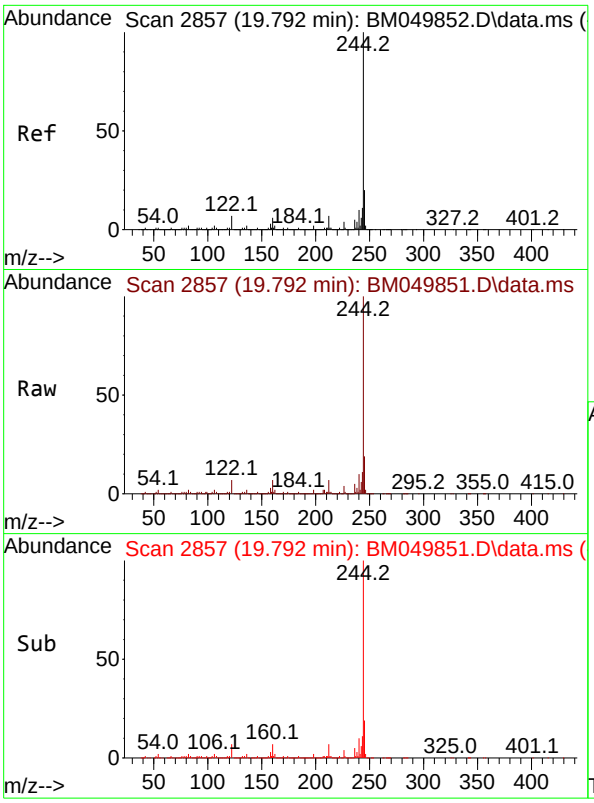


#78
Pyrene
Concen: 20.242 ng
RT: 19.586 min Scan# 2822
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:202 Resp: 1868988

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.5	24.7
203	17.5	14.0	21.0



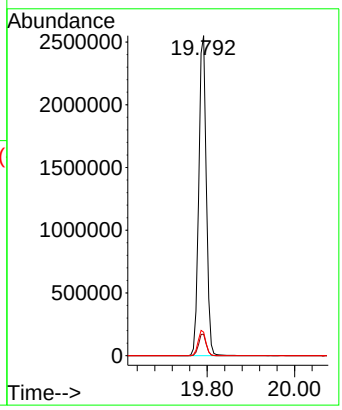


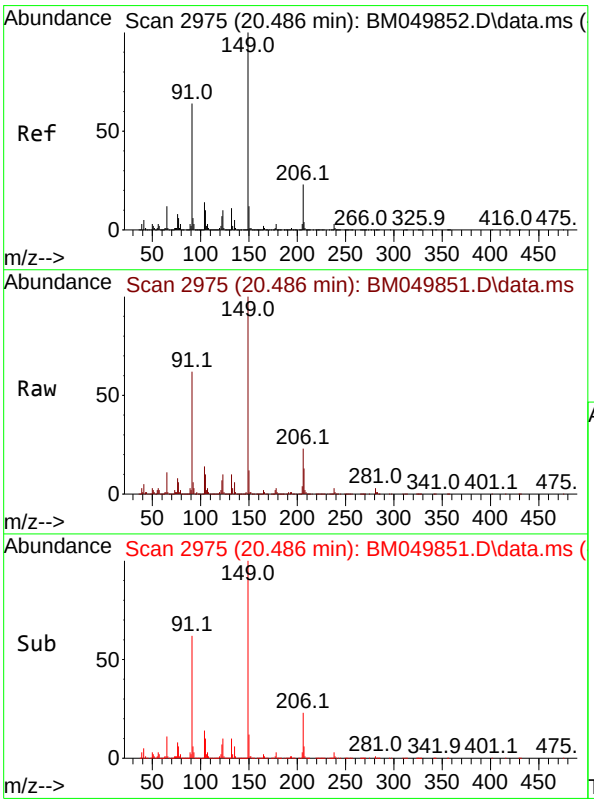
#79
Terphenyl-d14
Concen: 42.677 ng
RT: 19.792 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:244 Resp: 3051000

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.5	8.3
122	7.4	5.4	8.0

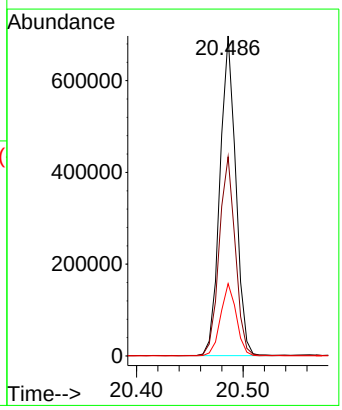


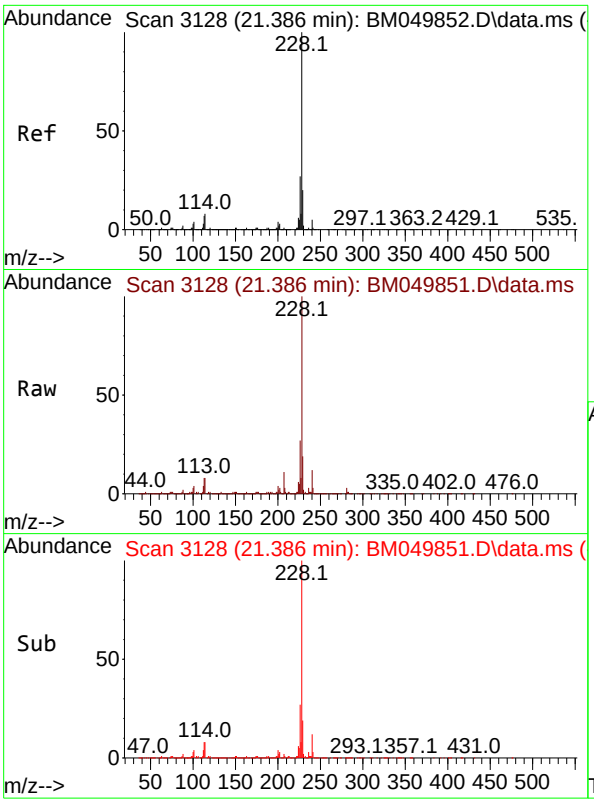


#80
Butylbenzylphthalate
Concen: 20.738 ng
RT: 20.486 min Scan# 2975
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:149 Resp: 719491

Ion	Ratio	Lower	Upper
149	100		
91	62.2	50.9	76.3
206	22.6	18.4	27.6



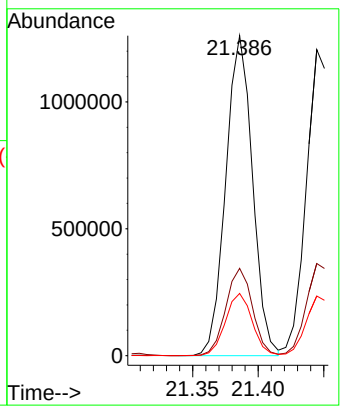


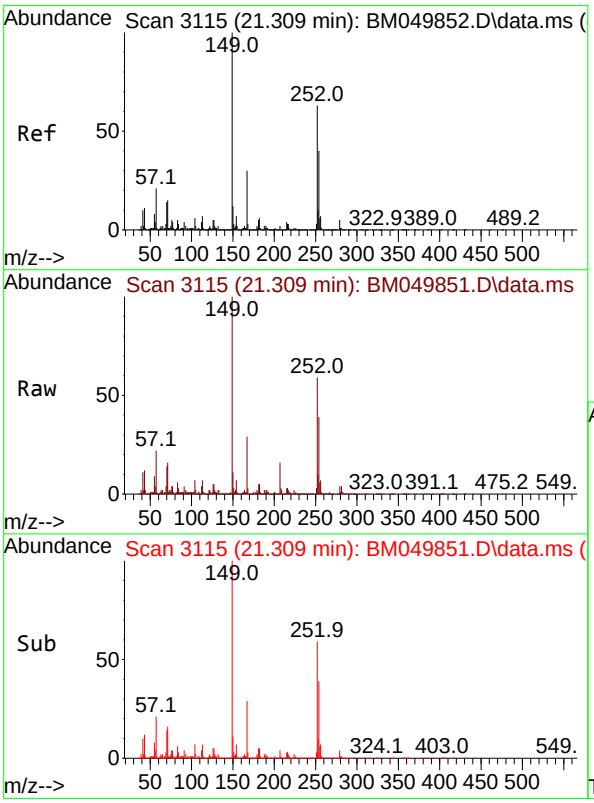
#81
Benzo(a)anthracene
Concen: 20.090 ng
RT: 21.386 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 1788846

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	19.5	15.8	23.8

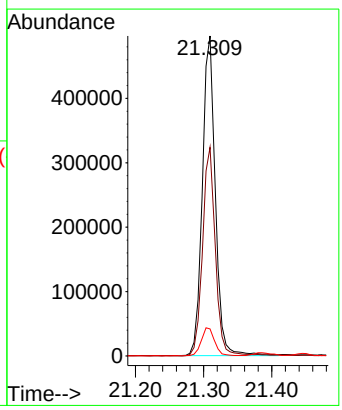


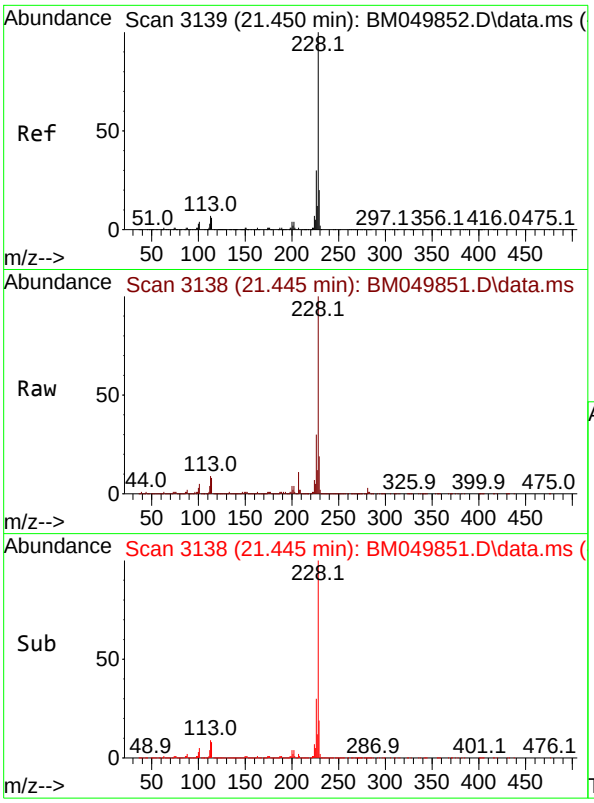


#82
3,3'-Dichlorobenzidine
Concen: 19.592 ng
RT: 21.309 min Scan# 3115
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:252 Resp: 658767

Ion	Ratio	Lower	Upper
252	100		
254	65.2	51.5	77.3
126	8.4	6.3	9.5



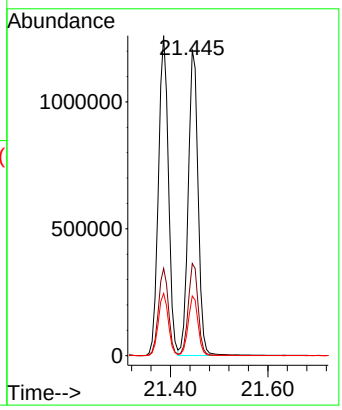


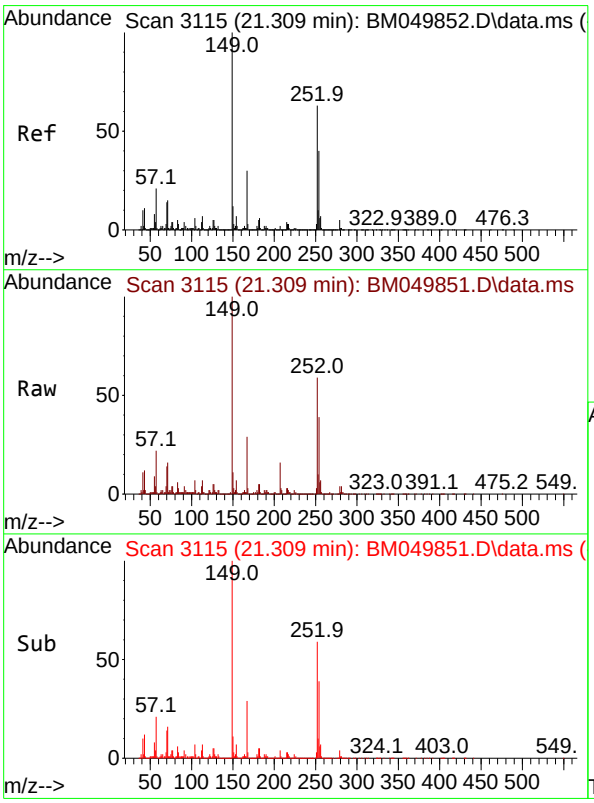
#83
Chrysene
Concen: 19.957 ng
RT: 21.445 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 1689336

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.1	36.1
229	19.5	15.8	23.6

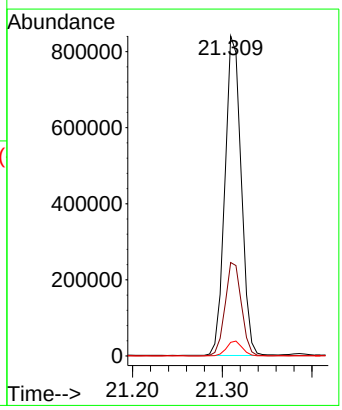


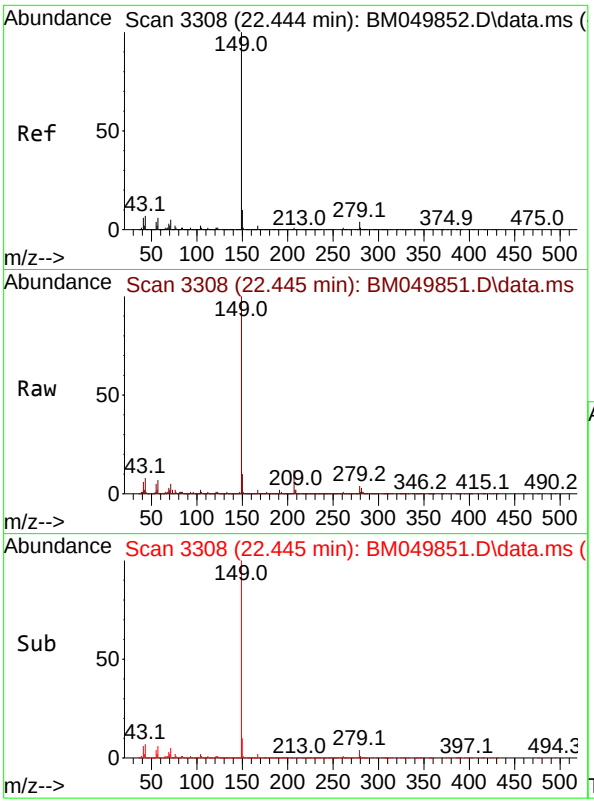


#84
Bis(2-ethylhexyl)phthalate
Concen: 20.934 ng
RT: 21.309 min Scan# 3115
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:149 Resp: 1058190

Ion	Ratio	Lower	Upper
149	100		
167	29.2	23.8	35.6
279	4.3	3.8	5.8



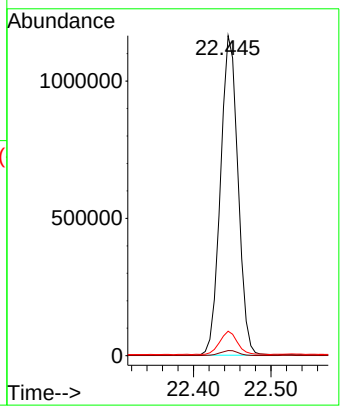


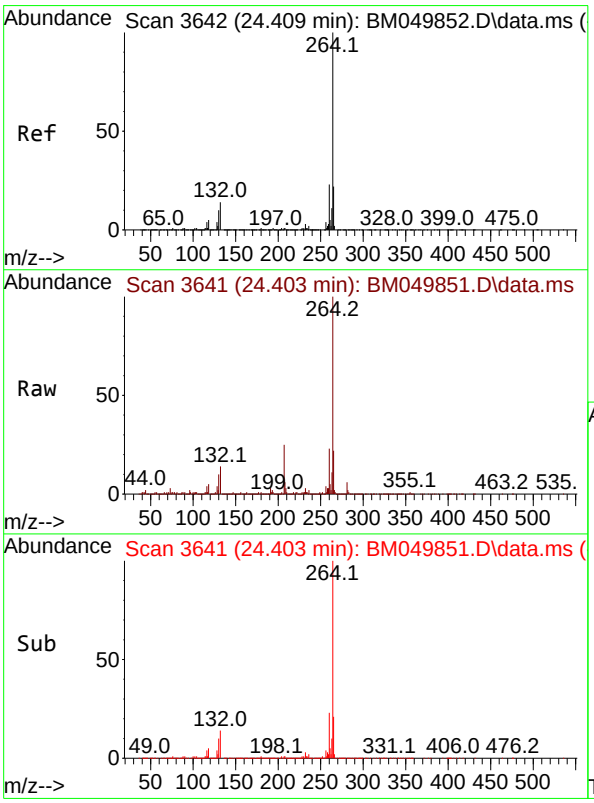
#85
Di-n-octyl phthalate
Concen: 20.699 ng
RT: 22.445 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:149 Resp: 1830449

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.3	5.8	8.6

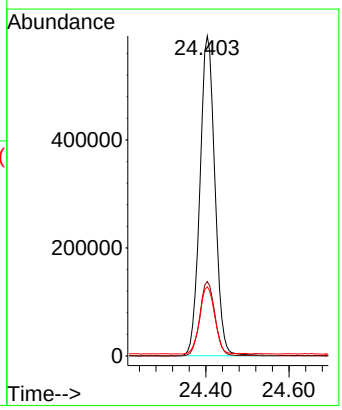


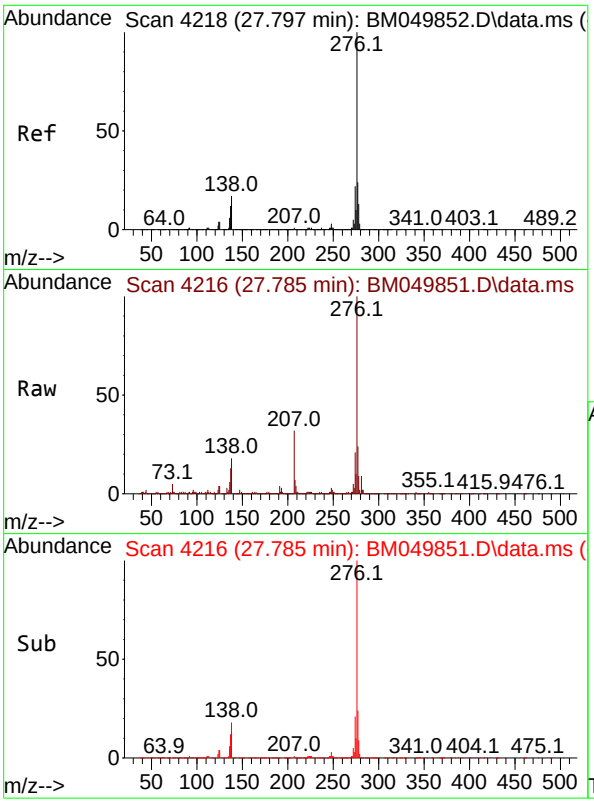


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.403 min Scan# 3641
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:264 Resp: 1486954

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	21.6	17.8	26.8



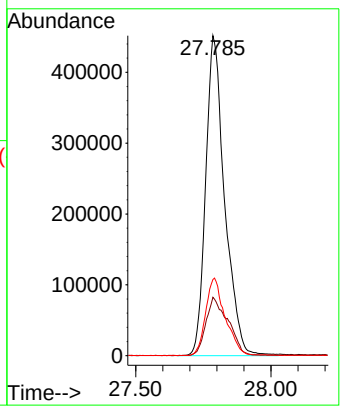


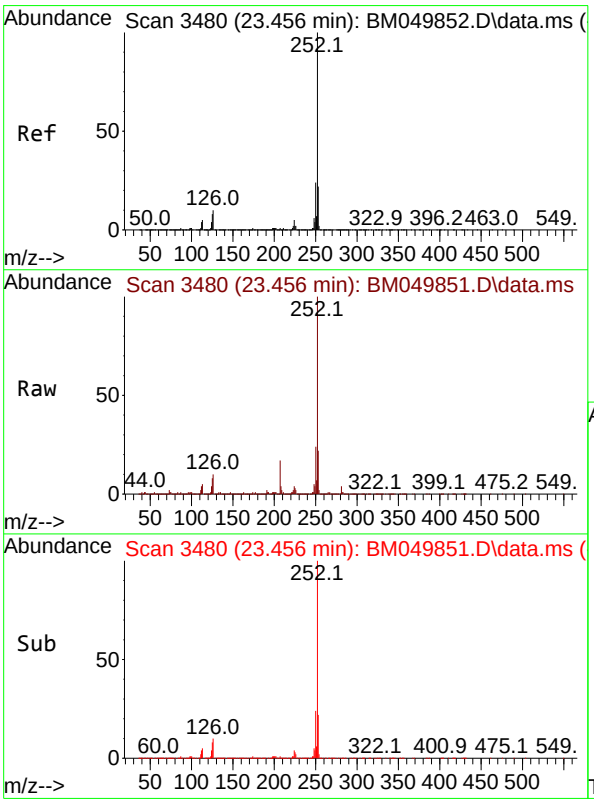
#87
Indeno(1,2,3-cd)pyrene
Concen: 19.848 ng
RT: 27.785 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:276 Resp: 2199957

Ion	Ratio	Lower	Upper
276	100		
138	21.4	16.8	25.2
277	24.9	20.1	30.1

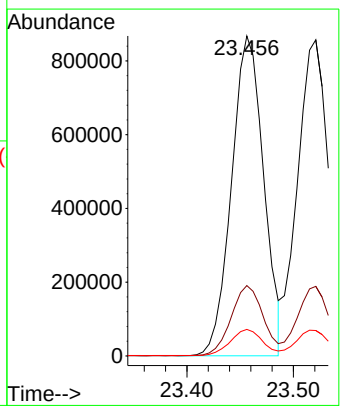


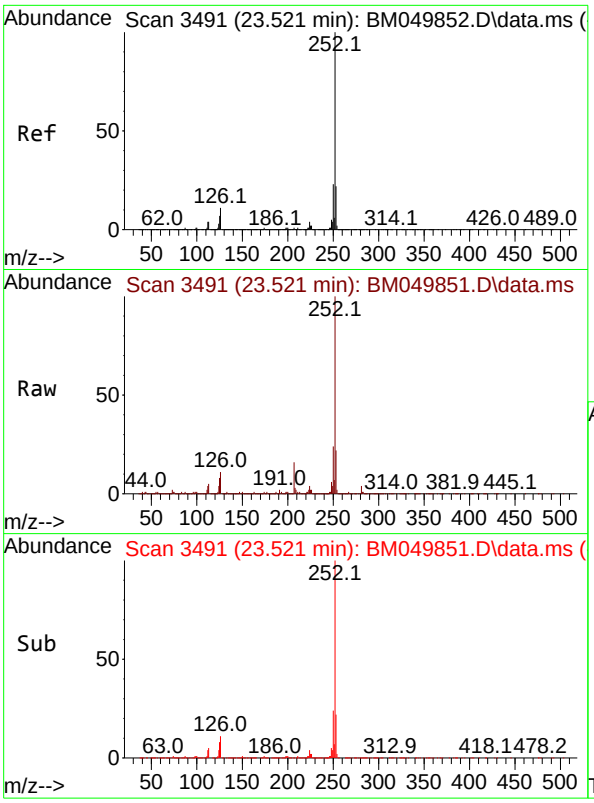


#88
Benzo(b)fluoranthene
Concen: 19.144 ng
RT: 23.456 min Scan# 3480
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:252 Resp: 1818051

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	8.3	6.2	9.4



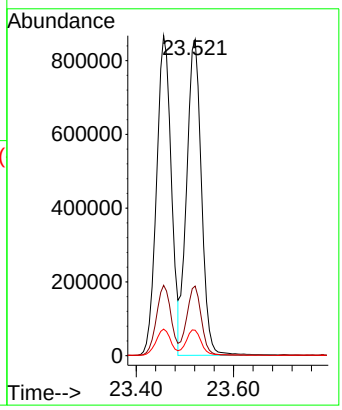


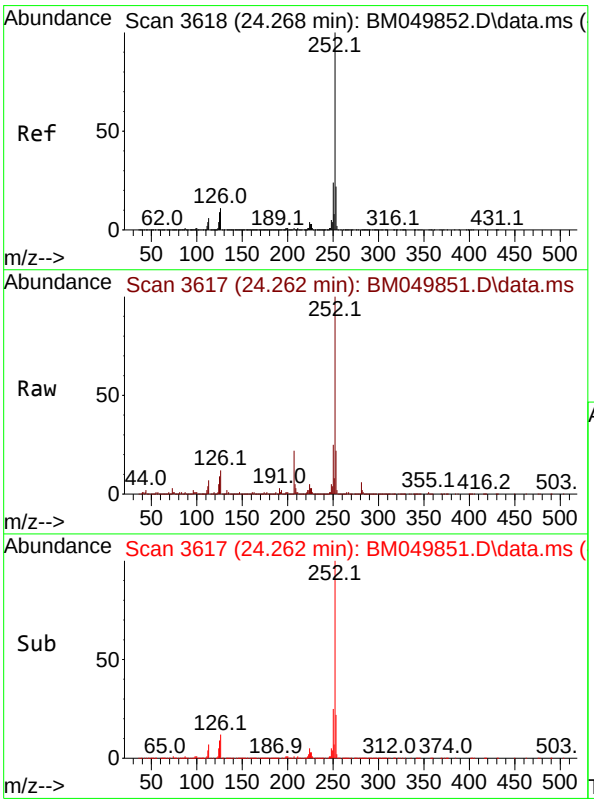
#89
Benzo(k)fluoranthene
Concen: 19.527 ng
RT: 23.521 min Scan# 34
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:252 Resp: 1797007

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	8.1	5.8	8.8

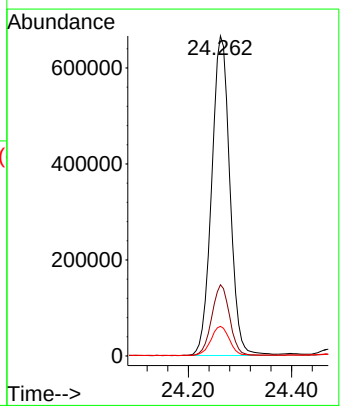


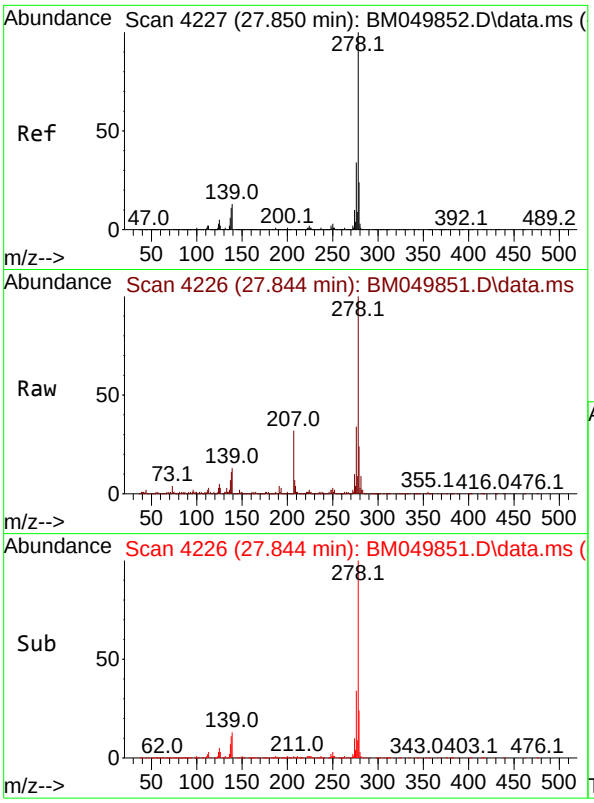


#90
Benzo(a)pyrene
Concen: 19.526 ng
RT: 24.262 min Scan# 3617
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:252 Resp: 1629441

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8
125	9.3	7.0	10.4



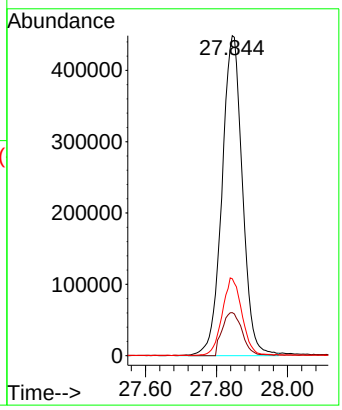


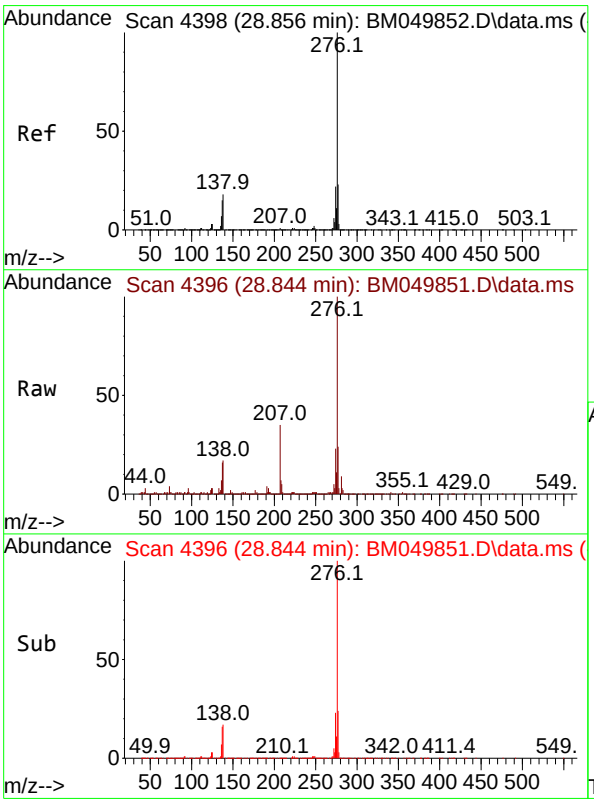
#91
Dibenzo(a,h)anthracene
Concen: 19.631 ng
RT: 27.844 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:278 Resp: 1792231

Ion	Ratio	Lower	Upper
278	100		
139	13.5	10.6	15.8
279	24.0	19.1	28.7

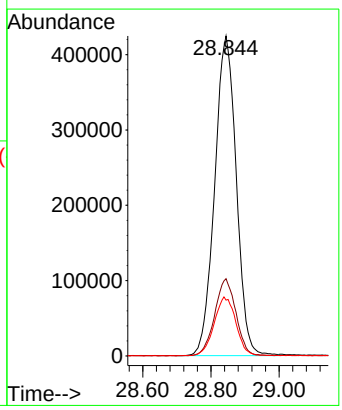




#92
Benzo(g,h,i)perylene
Concen: 20.005 ng
RT: 28.844 min Scan# 4396
Delta R.T. -0.012 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:276 Resp: 1866337

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.7	28.1
138	17.4	14.6	21.8



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049852.D
Acq On : 08 Apr 2025 16:12
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Quant Time: Apr 09 03:01:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.781	152	302331	20.000	ng	0.00
21) Naphthalene-d8	10.575	136	1026791	20.000	ng	0.00
39) Acenaphthene-d10	14.421	164	644538	20.000	ng	0.00
64) Phenanthrene-d10	17.162	188	1259832	20.000	ng	0.00
76) Chrysene-d12	21.403	240	1277117	20.000	ng	0.00
86) Perylene-d12	24.409	264	1383369	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	1440504	80.908	ng	0.00
7) Phenol-d6	6.951	99	1802855	81.386	ng	0.00
23) Nitrobenzene-d5	8.934	82	1510046	81.893	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	757084	80.755	ng	0.00
45) 2-Fluorobiphenyl	13.045	172	3905323	82.162	ng	0.00
79) Terphenyl-d14	19.792	244	6061535	88.947	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.263	88	295123	40.249	ng	100
3) Pyridine	3.663	79	778424	40.422	ng	100
4) n-Nitrosodimethylamine	3.569	42	295528	40.309	ng	100
6) Aniline	7.104	93	801408	42.221	ng	100
8) 2-Chlorophenol	7.345	128	736217	40.349	ng	100
9) Benzaldehyde	6.916	77	453694	39.945	ng	100
10) Phenol	6.975	94	871619	40.321	ng	100
11) bis(2-Chloroethyl)ether	7.204	93	686377	40.490	ng	100
12) 1,3-Dichlorobenzene	7.669	146	869556	40.310	ng	100
13) 1,4-Dichlorobenzene	7.816	146	878856	40.490	ng	100
14) 1,2-Dichlorobenzene	8.134	146	830948	40.644	ng	100
15) Benzyl Alcohol	8.016	79	576334	41.317	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.310	45	766170	40.550	ng	100
17) 2-Methylphenol	8.228	107	539006	40.462	ng	100
18) Hexachloroethane	8.857	117	304783	40.360	ng	100
19) n-Nitroso-di-n-propyla...	8.586	70	505613	41.211	ng	100
20) 3+4-Methylphenols	8.551	107	739987	40.745	ng	100
22) Acetophenone	8.598	105	1021725	40.944	ng	100
24) Nitrobenzene	8.975	77	731712	41.211	ng	100
25) Isophorone	9.504	82	1264620	40.940	ng	100
26) 2-Nitrophenol	9.686	139	389011	41.338	ng	100
27) 2,4-Dimethylphenol	9.751	122	438345	41.102	ng	100
28) bis(2-Chloroethoxy)met...	9.986	93	842494	40.740	ng	100
29) 2,4-Dichlorophenol	10.222	162	725384	40.918	ng	100
30) 1,2,4-Trichlorobenzene	10.439	180	829411	40.442	ng	100
31) Naphthalene	10.622	128	2139433	40.550	ng	100
32) Benzoic acid	9.875	122	471552	37.918	ng	100
33) 4-Chloroaniline	10.728	127	780602	41.899	ng	100
34) Hexachlorobutadiene	10.916	225	511599	40.329	ng	100
35) Caprolactam	11.516	113	208829	41.071	ng	100
36) 4-Chloro-3-methylphenol	11.863	107	635013	40.893	ng	100
37) 2-Methylnaphthalene	12.239	142	1506744	40.533	ng	100
38) 1-Methylnaphthalene	12.457	142	1464829	40.448	ng	100
40) 1,2,4,5-Tetrachloroben...	12.610	216	910125	40.362	ng	100
41) Hexachlorocyclopentadiene	12.592	237	340037	43.036	ng	100
43) 2,4,6-Trichlorophenol	12.851	196	592155	41.269	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049852.D
Acq On : 08 Apr 2025 16:12
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Quant Time: Apr 09 03:01:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.927	196	645125	41.373	ng	100
46) 1,1'-Biphenyl	13.251	154	1969872	41.114	ng	100
47) 2-Chloronaphthalene	13.292	162	1538747	40.860	ng	100
48) 2-Nitroaniline	13.498	65	365393	41.941	ng	100
49) Acenaphthylene	14.145	152	2245605	40.937	ng	100
50) Dimethylphthalate	13.880	163	1853920	40.771	ng	100
51) 2,6-Dinitrotoluene	13.992	165	400110	41.998	ng	100
52) Acenaphthene	14.486	154	1434901	41.123	ng	100
53) 3-Nitroaniline	14.321	138	399172	43.352	ng	100
54) 2,4-Dinitrophenol	14.533	184	236910	38.463	ng	100
55) Dibenzofuran	14.821	168	2378962	40.784	ng	100
56) 4-Nitrophenol	14.639	139	348645	42.490	ng	100
57) 2,4-Dinitrotoluene	14.780	165	542212	42.662	ng	100
58) Fluorene	15.468	166	1908871	41.170	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.051	232	550595	40.287	ng	100
60) Diethylphthalate	15.245	149	1791575	41.085	ng	100
61) 4-Chlorophenyl-phenyle...	15.468	204	1016885	40.907	ng	100
62) 4-Nitroaniline	15.486	138	411956	43.263	ng	100
63) Azobenzene	15.757	77	1549968	41.517	ng	100
65) 4,6-Dinitro-2-methylph...	15.551	198	332394	41.869	ng	100
66) n-Nitrosodiphenylamine	15.680	169	1560374	41.387	ng	100
67) 4-Bromophenyl-phenylether	16.357	248	601282	41.113	ng	100
68) Hexachlorobenzene	16.480	284	686665	40.933	ng	100
69) Atrazine	16.627	200	326609	33.411	ng	100
70) Pentachlorophenol	16.815	266	514744	41.678	ng	100
71) Phenanthrene	17.209	178	2854182	41.324	ng	100
72) Anthracene	17.298	178	2833652	41.631	ng	100
73) Carbazole	17.562	167	2667570	41.609	ng	100
74) Di-n-butylphthalate	18.133	149	3062695	41.476	ng	100
75) Fluoranthene	19.221	202	3495877	41.165	ng	100
77) Benzidine	19.403	184	1028267	60.691	ng	100
78) Pyrene	19.586	202	3596605	40.863	ng	100
80) Butylbenzylphthalate	20.486	149	1368958	41.392	ng	100
81) Benzo(a)anthracene	21.386	228	3478165	40.979	ng	100
82) 3,3'-Dichlorobenzidine	21.309	252	1342391	41.880	ng	100
83) Chrysene	21.450	228	3299571	40.890	ng	100
84) Bis(2-ethylhexyl)phtha...	21.309	149	2000260	41.512	ng	100
85) Di-n-octyl phthalate	22.444	149	3479444	41.276	ng	100
87) Indeno(1,2,3-cd)pyrene	27.797	276	4168171	40.421	ng	100
88) Benzo(b)fluoranthene	23.456	252	3619584	40.968	ng	100
89) Benzo(k)fluoranthene	23.521	252	3436549	40.138	ng	100
90) Benzo(a)pyrene	24.268	252	3127065	40.278	ng	100
91) Dibenzo(a,h)anthracene	27.850	278	3441534	40.519	ng	100
92) Benzo(g,h,i)perylene	28.856	276	3500110	40.326	ng	100

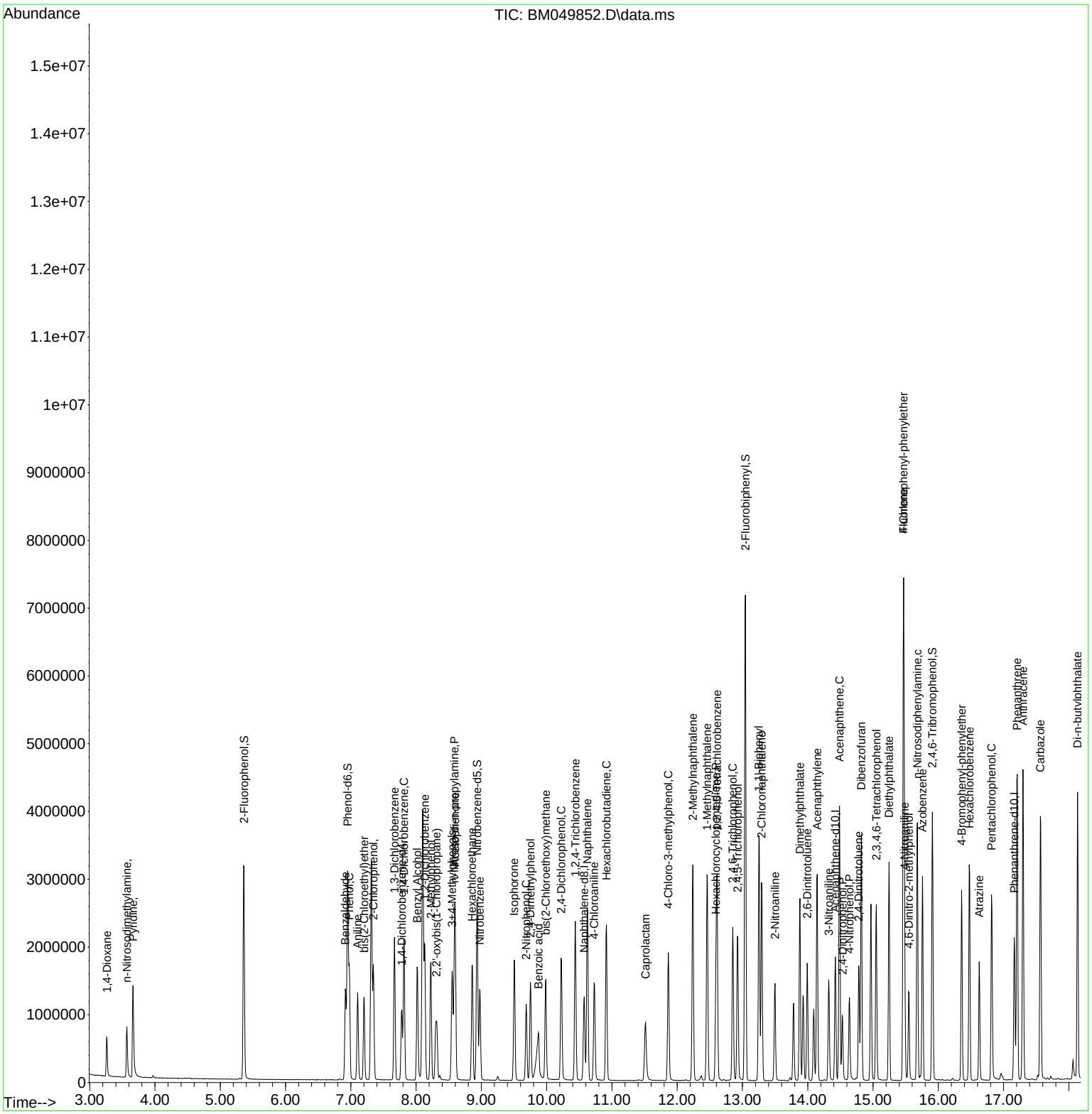
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049852.D
Acq On : 08 Apr 2025 16:12
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Quant Time: Apr 09 03:01:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

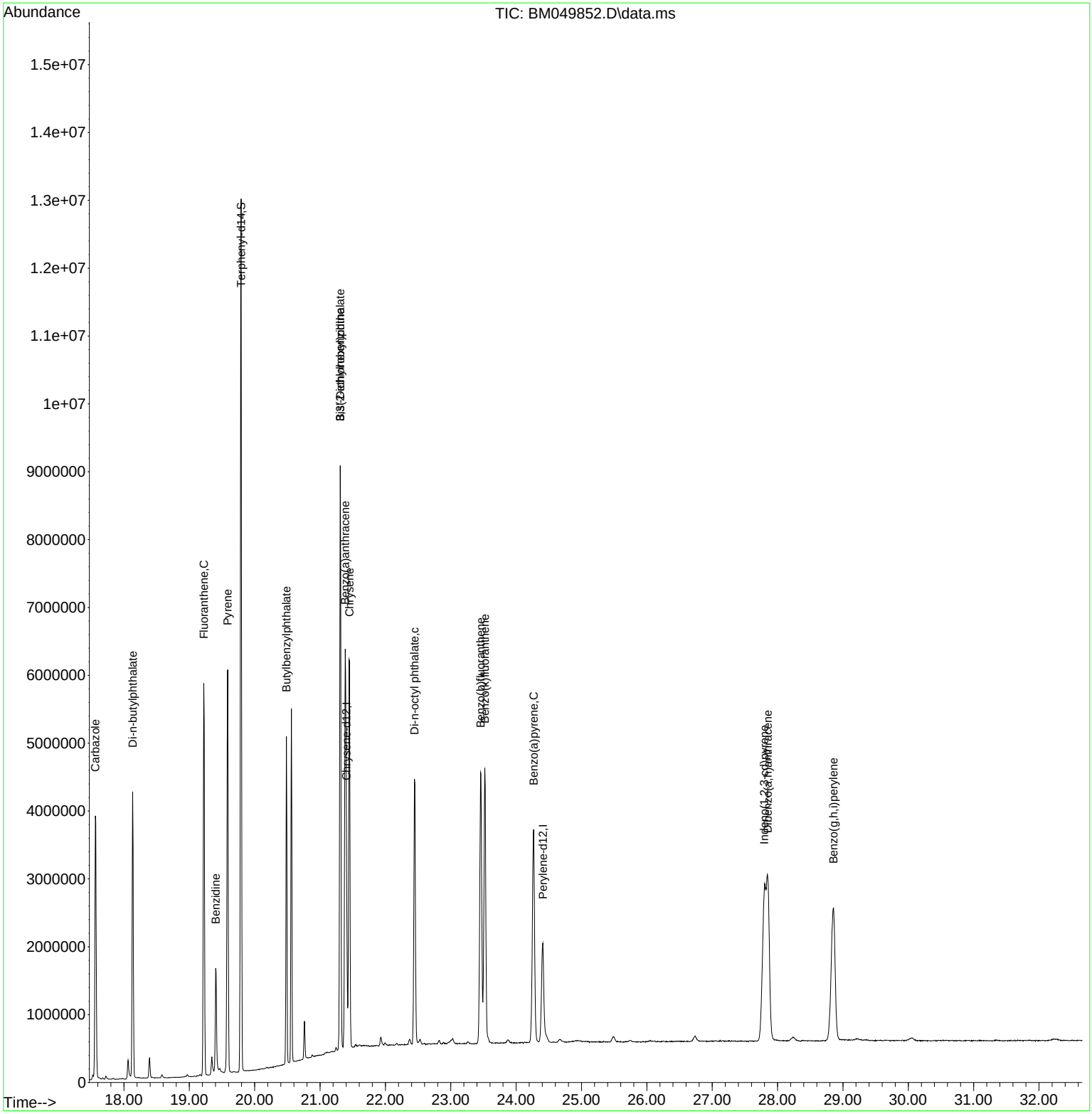


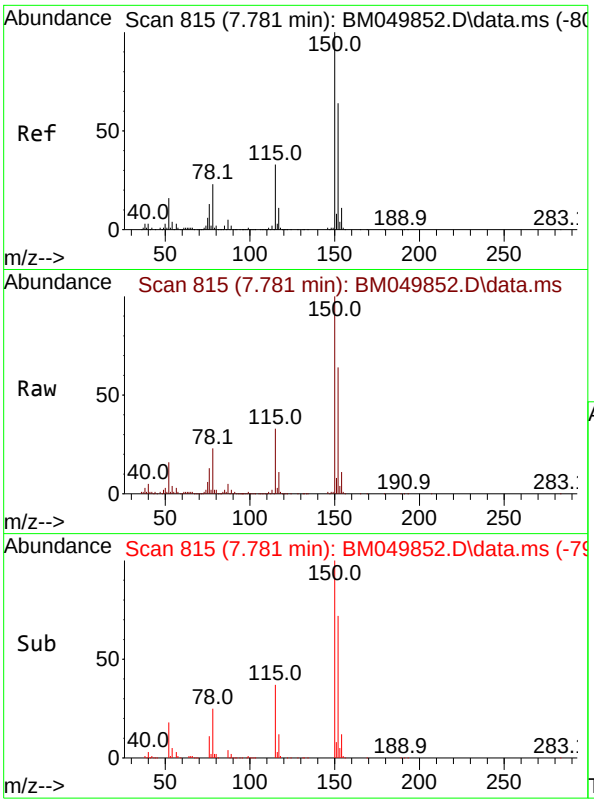
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049852.D
Acq On : 08 Apr 2025 16:12
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Quant Time: Apr 09 03:01:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration



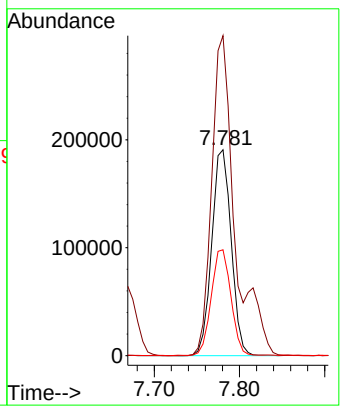


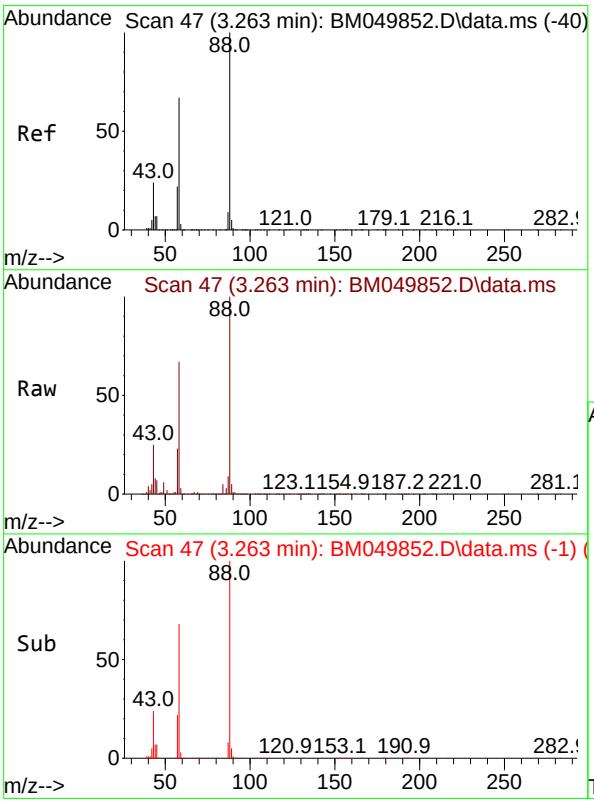
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.781 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 302331

Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.3	186.5
115	51.4	41.1	61.7

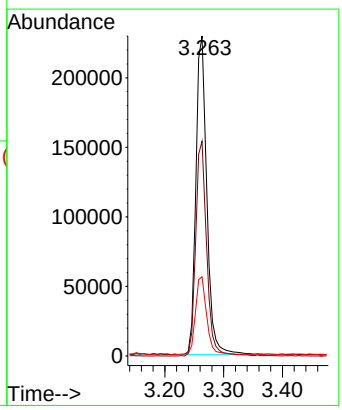


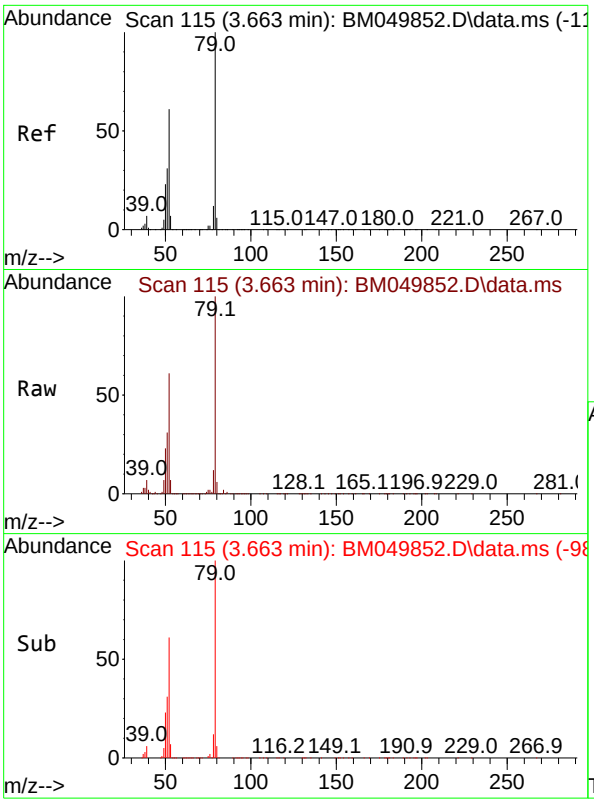


#2
1,4-Dioxane
Concen: 40.249 ng
RT: 3.263 min Scan# 47
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion: 88 Resp: 295123

Ion	Ratio	Lower	Upper
88	100		
58	67.6	54.1	81.1
43	25.3	20.2	30.4



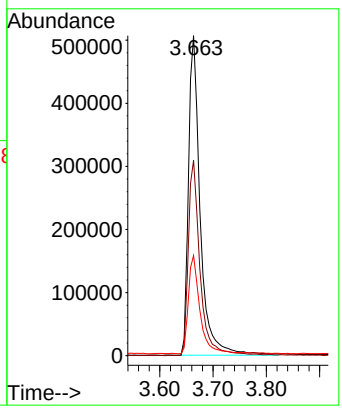


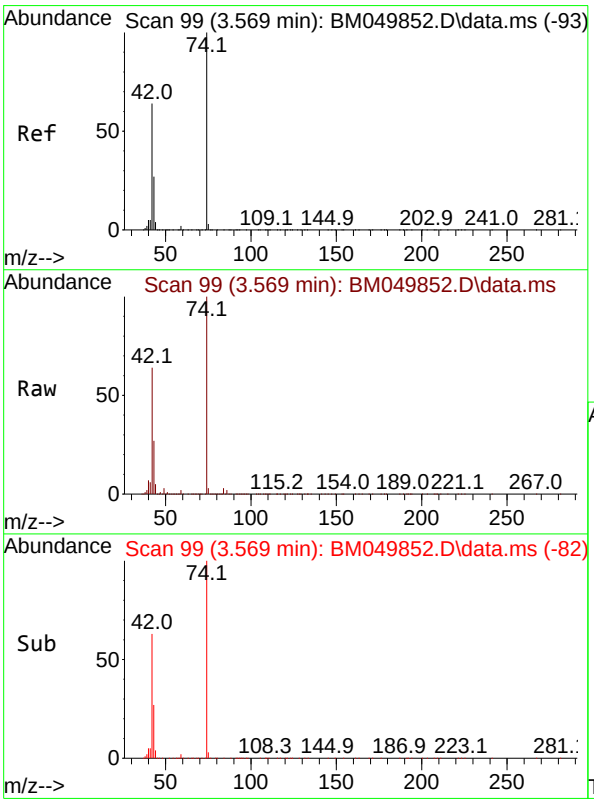
#3
Pyridine
Concen: 40.422 ng
RT: 3.663 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 778424

Ion	Ratio	Lower	Upper
79	100		
52	61.1	48.9	73.3
51	31.3	25.0	37.6

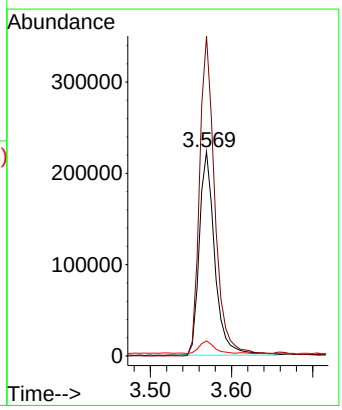


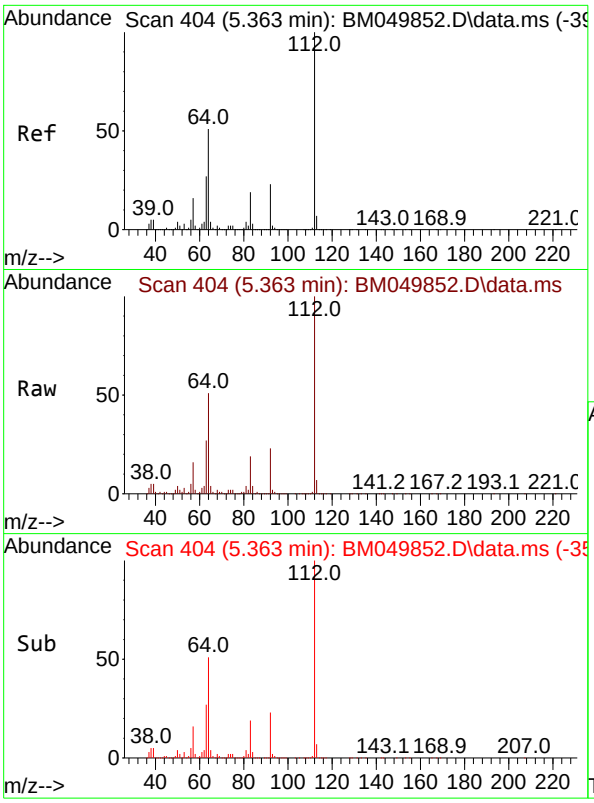


#4
n-Nitrosodimethylamine
Concen: 40.309 ng
RT: 3.569 min Scan# 99
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion: 42 Resp: 295528

Ion	Ratio	Lower	Upper
42	100		
74	156.8	125.4	188.2
44	7.4	5.9	8.9



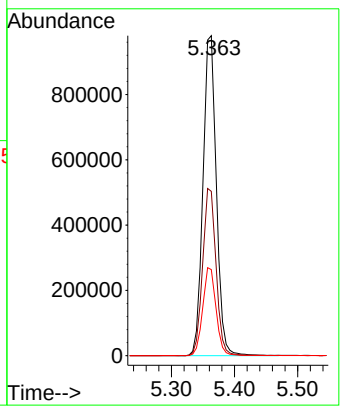


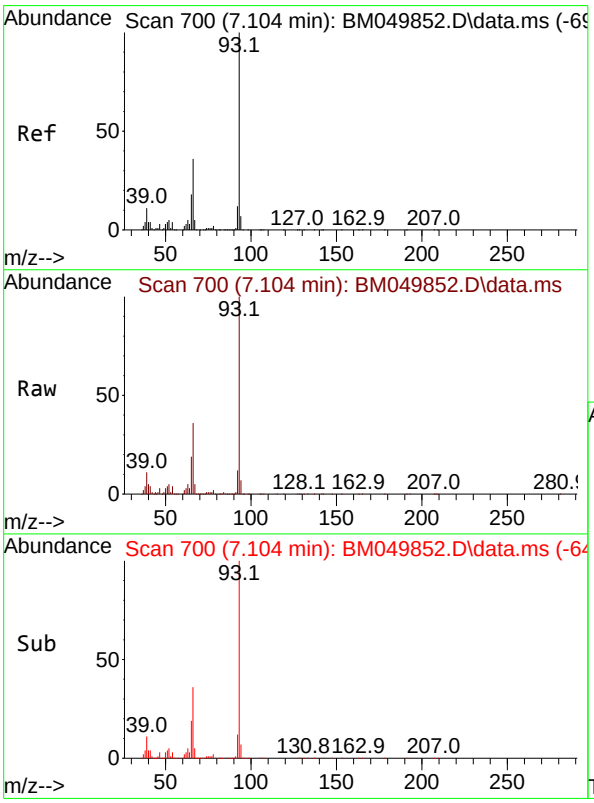
#5
2-Fluorophenol
Concen: 80.908 ng
RT: 5.363 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 1440504

Ion	Ratio	Lower	Upper
112	100		
64	51.3	41.0	61.6
63	26.9	21.5	32.3

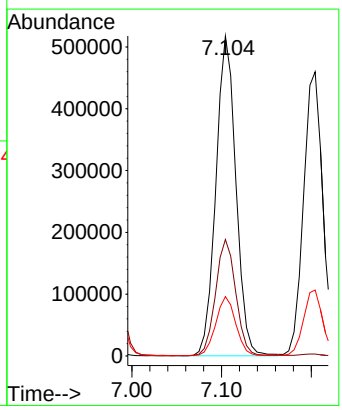


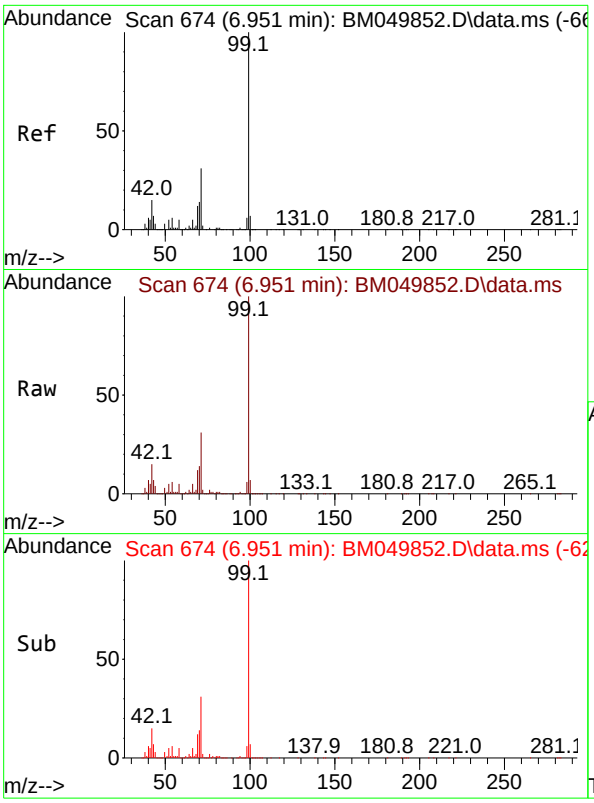


#6
Aniline
Concen: 42.221 ng
RT: 7.104 min Scan# 700
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion: 93 Resp: 801408

Ion	Ratio	Lower	Upper
93	100		
66	36.4	29.1	43.7
65	18.6	14.9	22.3



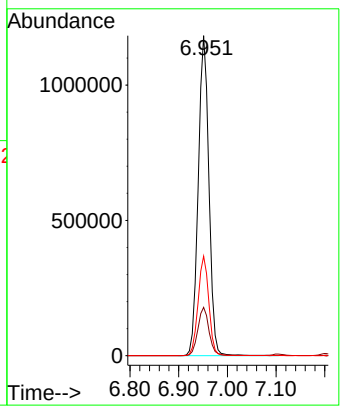


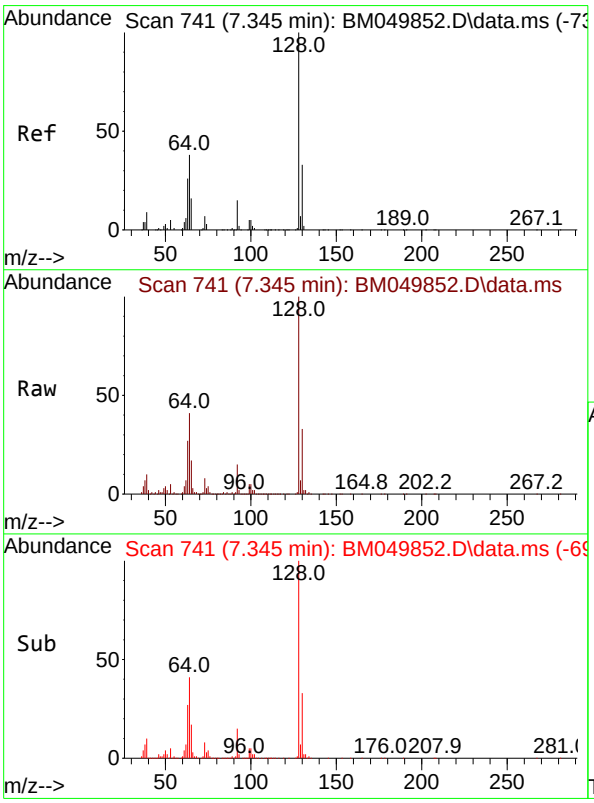
#7
Phenol-d6
Concen: 81.386 ng
RT: 6.951 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 99 Resp: 1802855

Ion	Ratio	Lower	Upper
99	100		
42	15.1	12.1	18.1
71	31.1	24.9	37.3

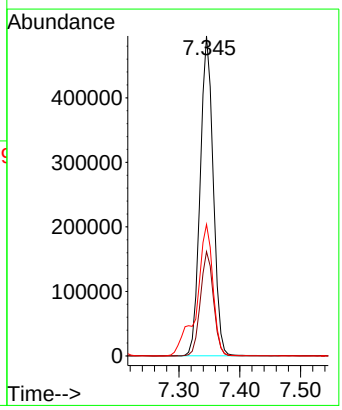


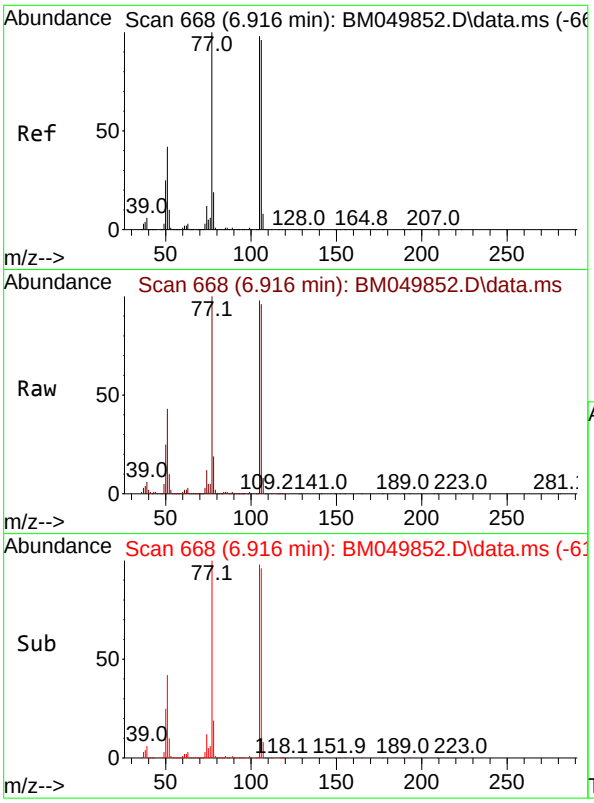


#8
2-Chlorophenol
Concen: 40.349 ng
RT: 7.345 min Scan# 741
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:128 Resp: 736217

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.6	52.6
64	41.1	21.1	61.1



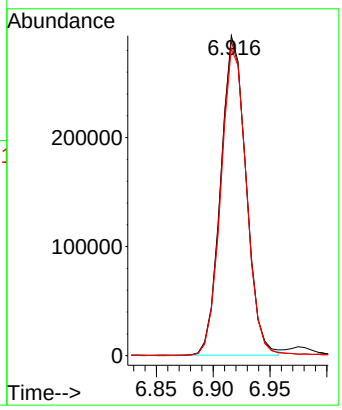


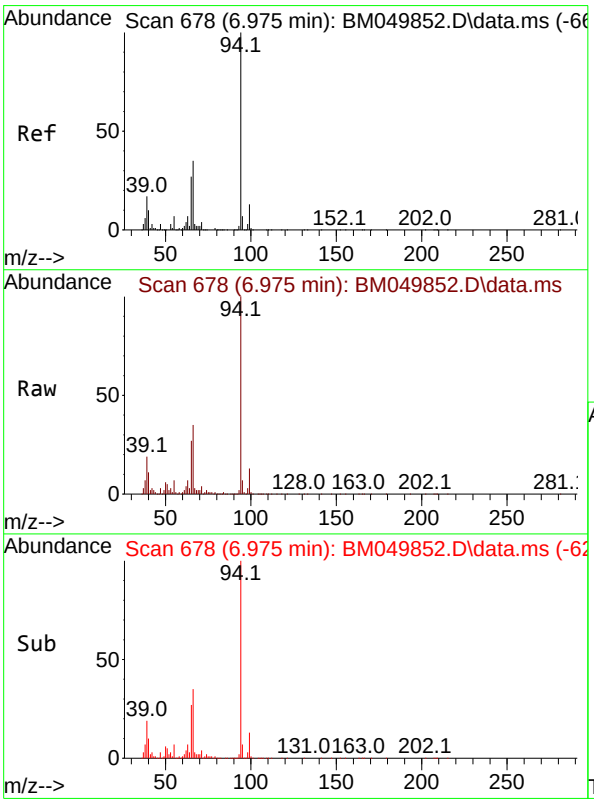
#9
Benzaldehyde
Concen: 39.945 ng
RT: 6.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 453694

Ion	Ratio	Lower	Upper
77	100		
105	98.3	78.3	118.3
106	96.0	76.0	116.0

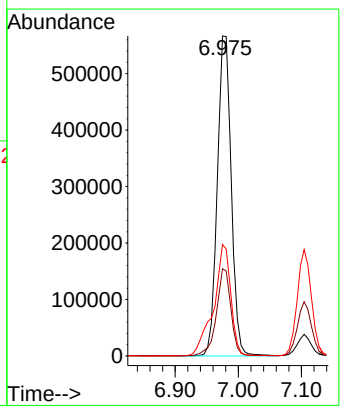


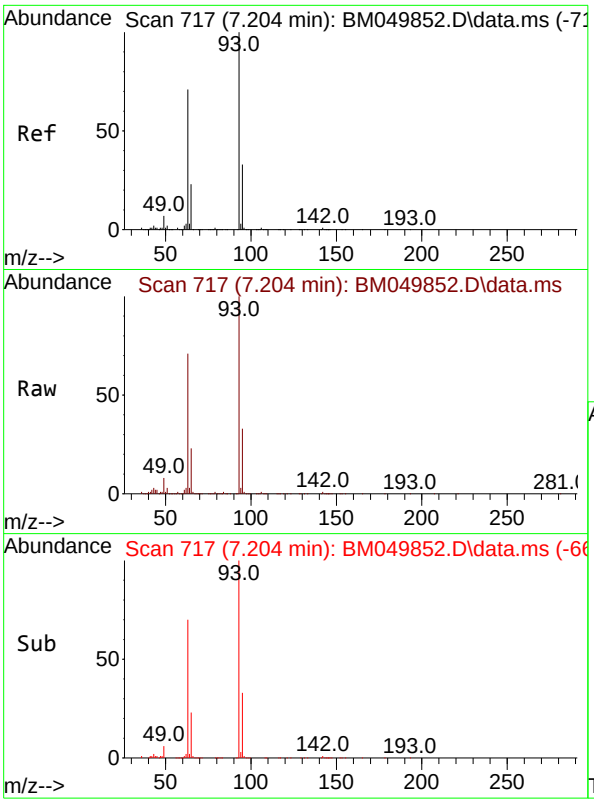


#10
Phenol
Concen: 40.321 ng
RT: 6.975 min Scan# 678
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion: 94 Resp: 871619

Ion	Ratio	Lower	Upper
94	100		
65	27.3	7.3	47.3
66	34.8	14.8	54.8



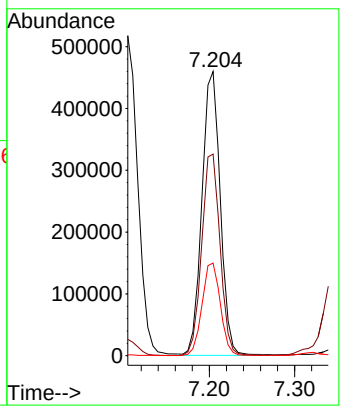


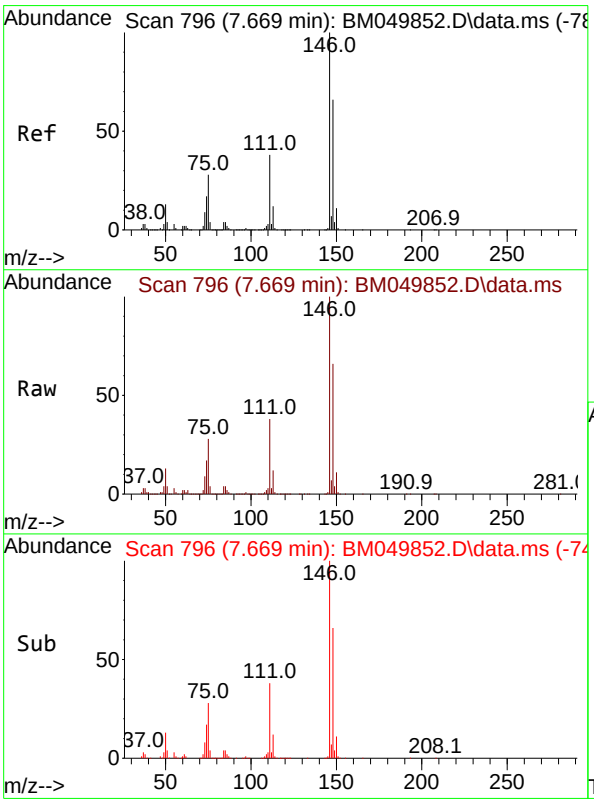
#11
bis(2-Chloroethyl)ether
Concen: 40.490 ng
RT: 7.204 min Scan# 71
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 686377

Ion	Ratio	Lower	Upper
93	100		
63	70.9	50.9	90.9
95	32.6	12.6	52.6

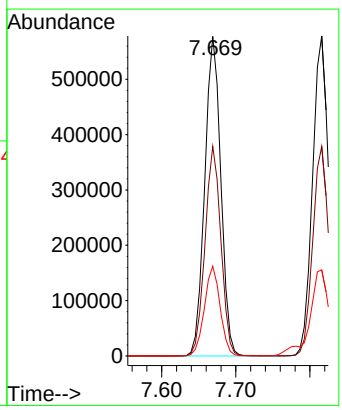


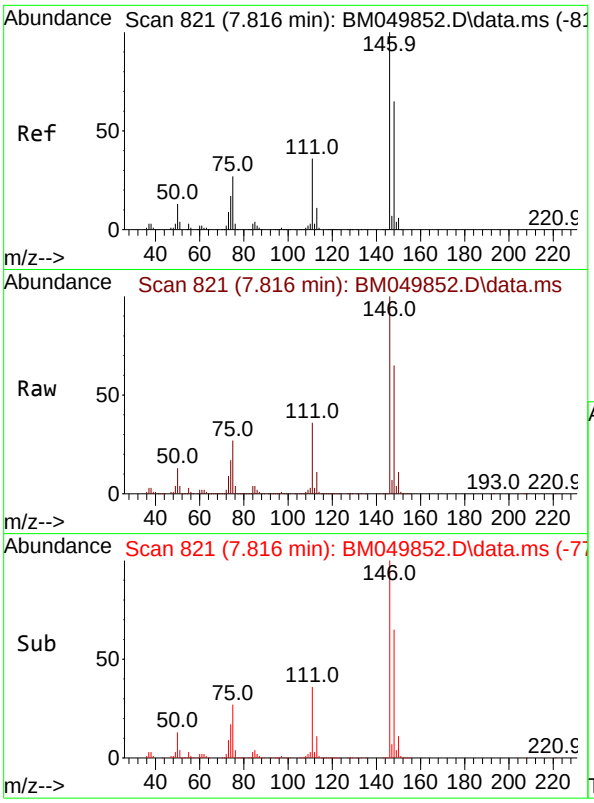


#12
1,3-Dichlorobenzene
Concen: 40.310 ng
RT: 7.669 min Scan# 796
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:146 Resp: 869556

Ion	Ratio	Lower	Upper
146	100		
148	65.6	52.5	78.7
75	28.1	22.5	33.7



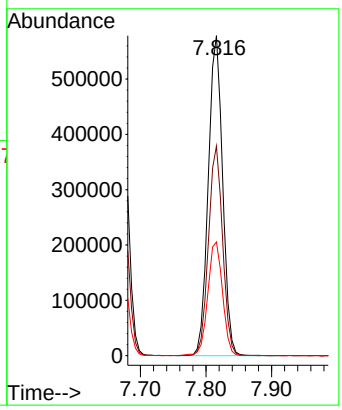


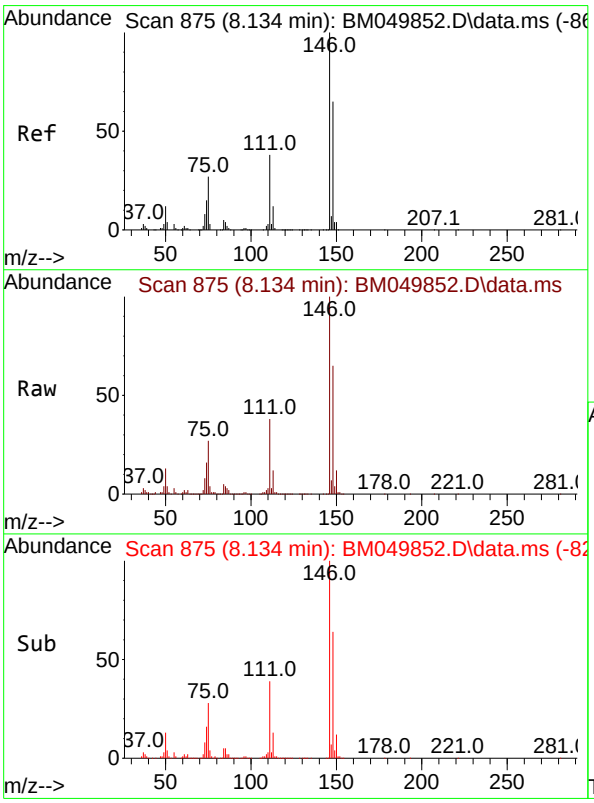
#13
1,4-Dichlorobenzene
Concen: 40.490 ng
RT: 7.816 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:146 Resp: 878856

Ion	Ratio	Lower	Upper
146	100		
148	65.5	52.4	78.6
111	35.6	28.5	42.7

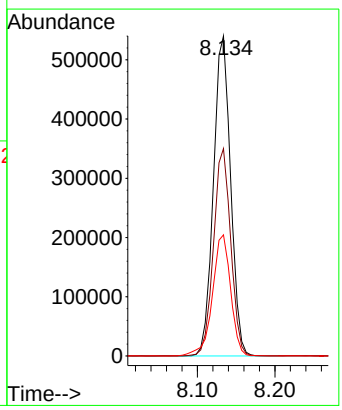


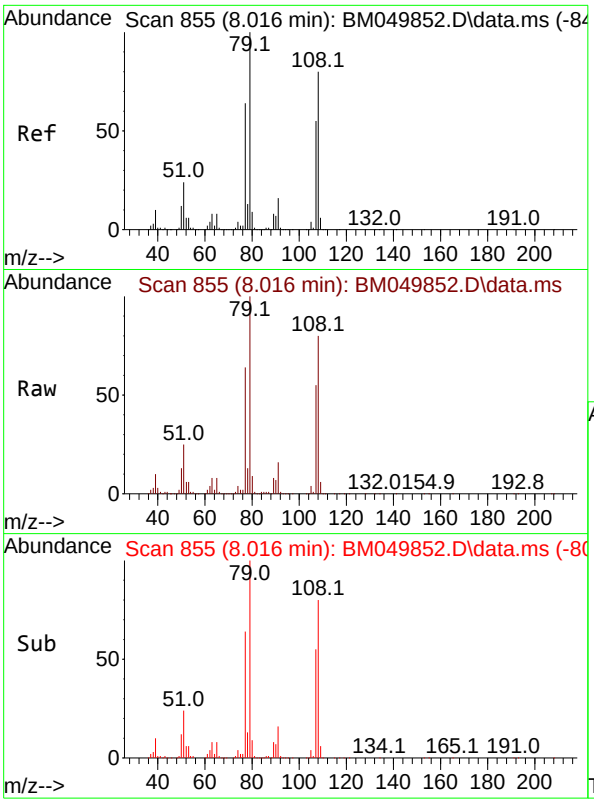


#14
1,2-Dichlorobenzene
Concen: 40.644 ng
RT: 8.134 min Scan# 875
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:146 Resp: 830948

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.8	77.8
111	37.8	30.2	45.4



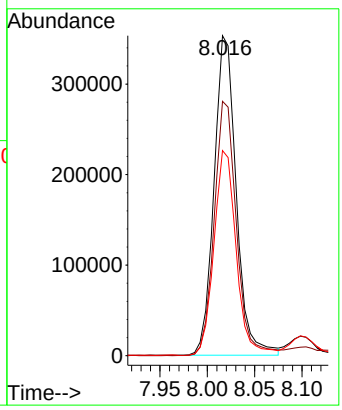


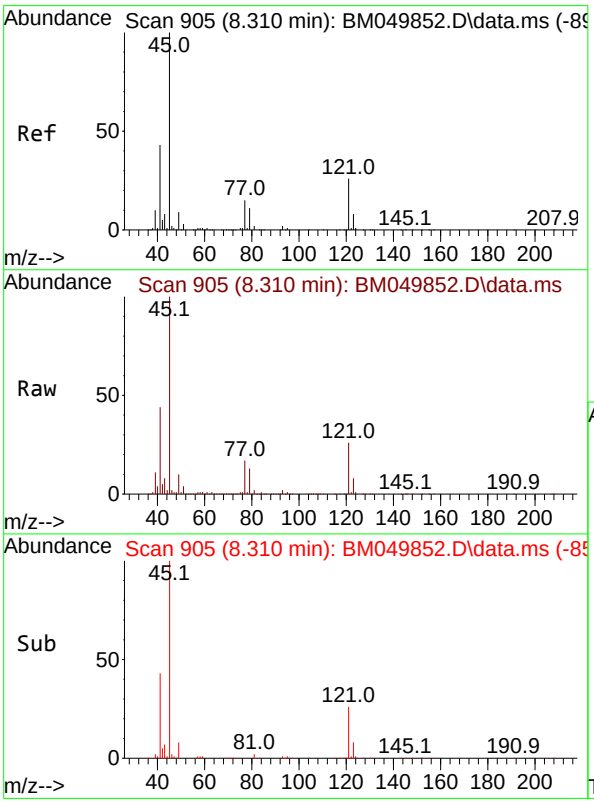
#15
Benzyl Alcohol
Concen: 41.317 ng
RT: 8.016 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 576334

Ion	Ratio	Lower	Upper
79	100		
108	79.5	63.6	95.4
77	64.1	51.3	76.9

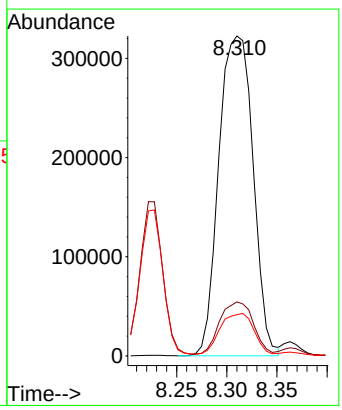


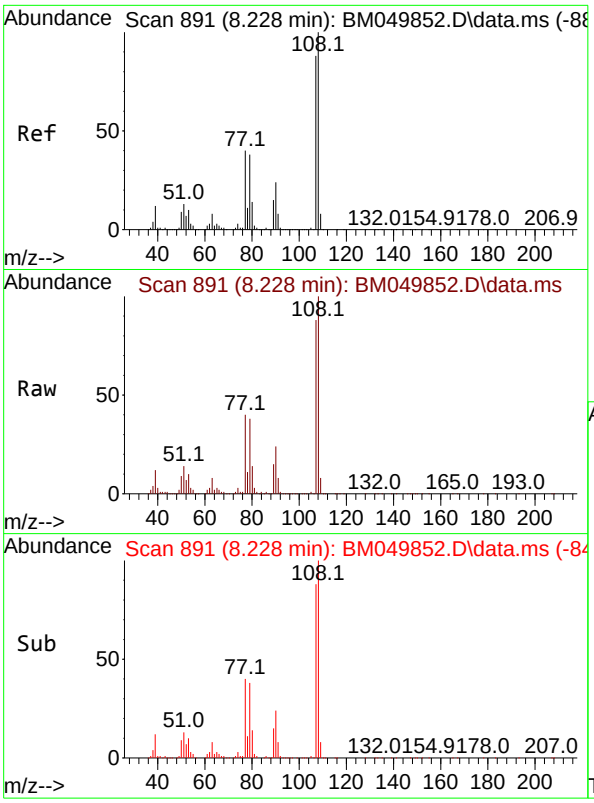


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.550 ng
RT: 8.310 min Scan# 905
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion: 45 Resp: 766170

Ion	Ratio	Lower	Upper
45	100		
77	16.9	0.0	36.9
79	12.9	0.0	32.9



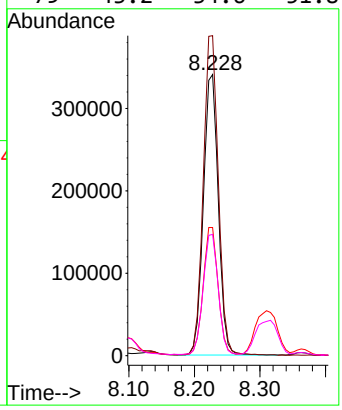


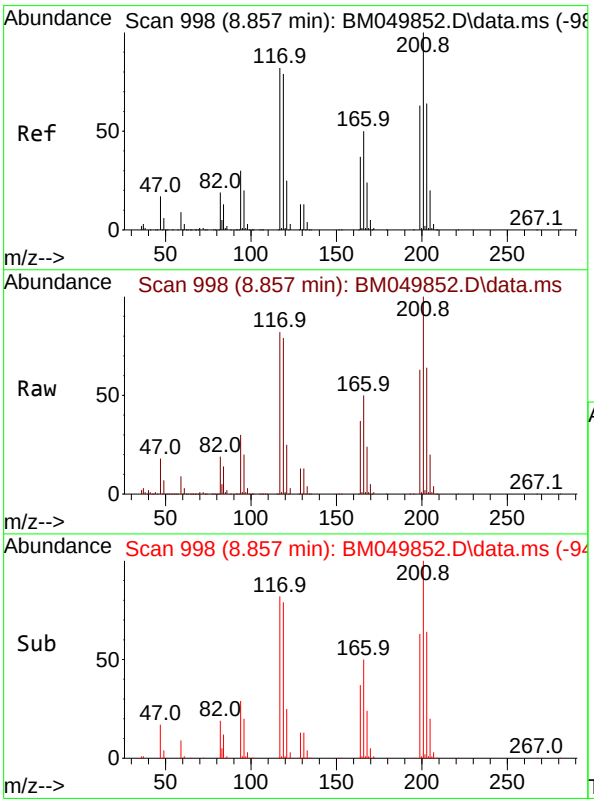
#17
2-Methylphenol
Concen: 40.462 ng
RT: 8.228 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:107 Resp: 539006

Ion	Ratio	Lower	Upper
107	100		
108	113.8	91.0	136.6
77	45.6	36.5	54.7
79	43.2	34.6	51.8

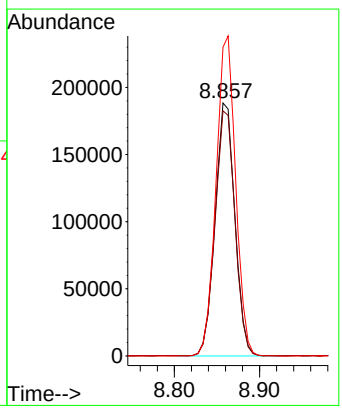


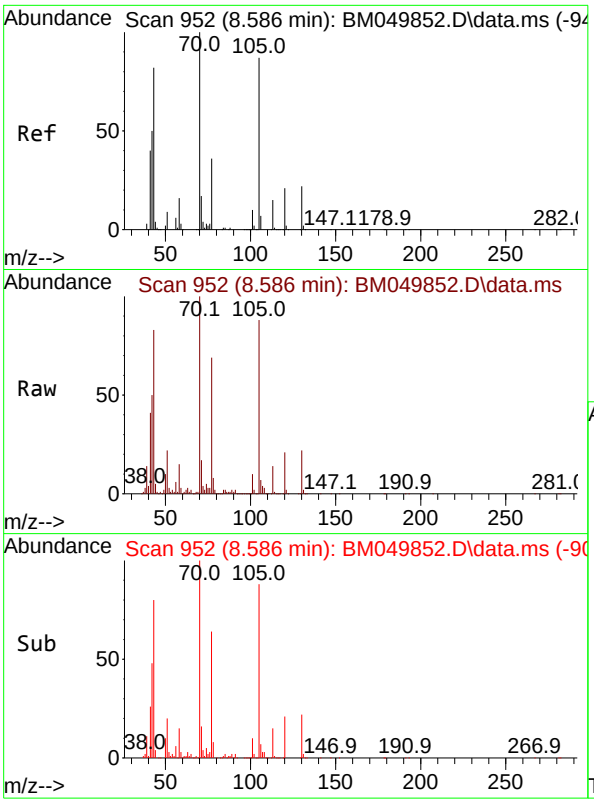


#18
Hexachloroethane
Concen: 40.360 ng
RT: 8.857 min Scan# 998
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:117 Resp: 304783

Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.5	116.3
201	122.1	97.7	146.5



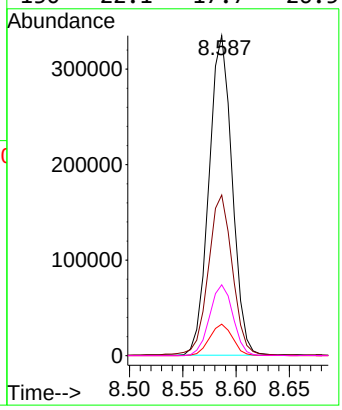


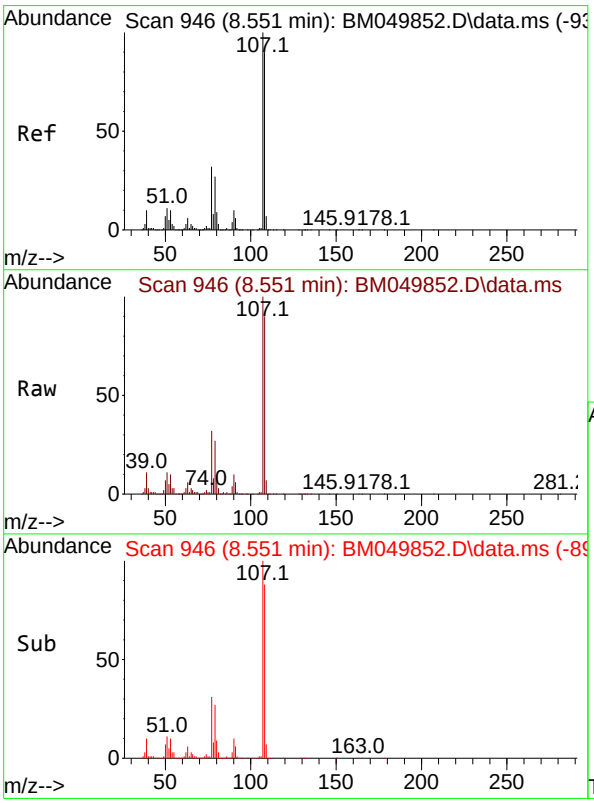
#19
n-Nitroso-di-n-propylamine
Concen: 41.211 ng
RT: 8.586 min Scan# 9
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 505613

Ion	Ratio	Lower	Upper
70	100		
42	50.2	40.2	60.2
101	9.9	7.9	11.9
130	22.1	17.7	26.5

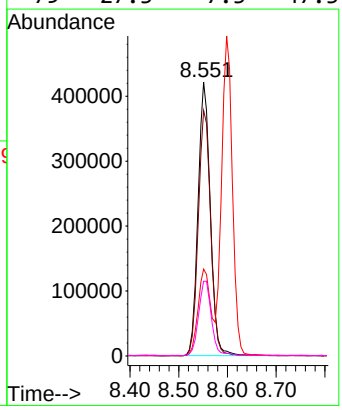


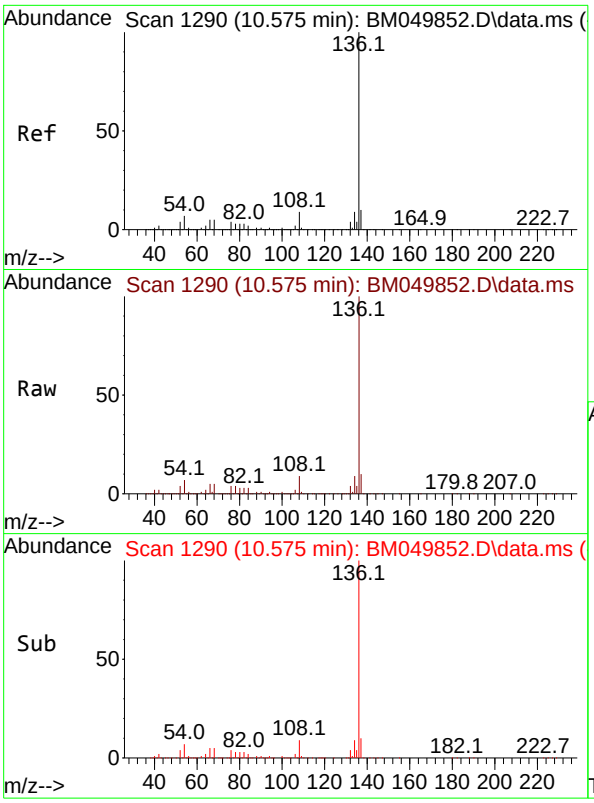


#20
3+4-Methylphenols
Concen: 40.745 ng
RT: 8.551 min Scan# 946
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:107 Resp: 739987

Ion	Ratio	Lower	Upper
107	100		
108	89.6	69.6	109.6
77	31.7	11.7	51.7
79	27.3	7.3	47.3



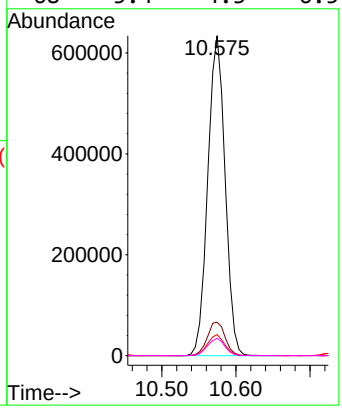


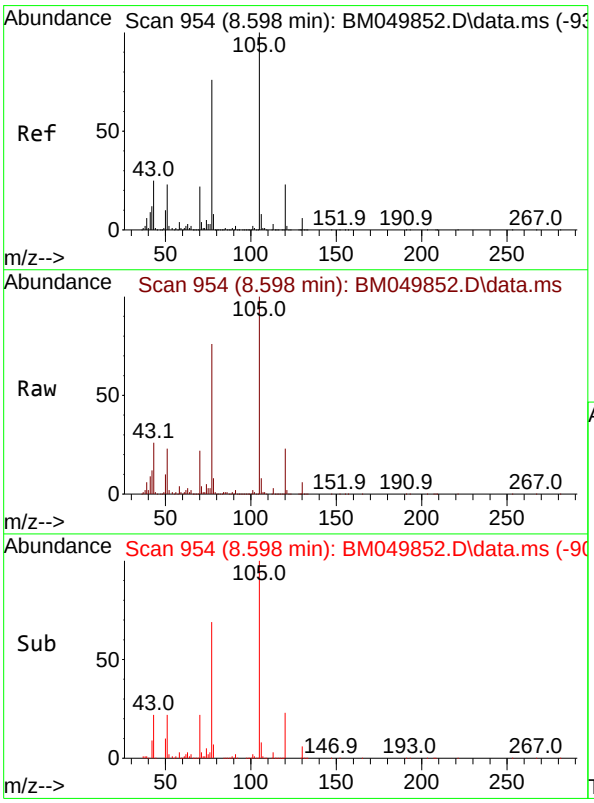
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.575 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:136 Resp: 1026791

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.4	12.6
54	6.6	5.3	7.9
68	5.4	4.3	6.5

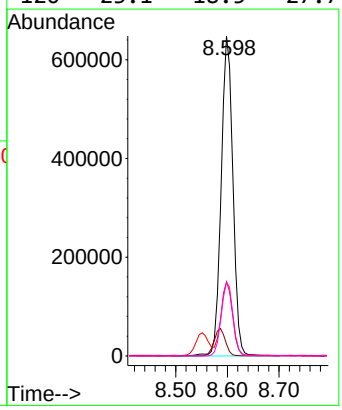


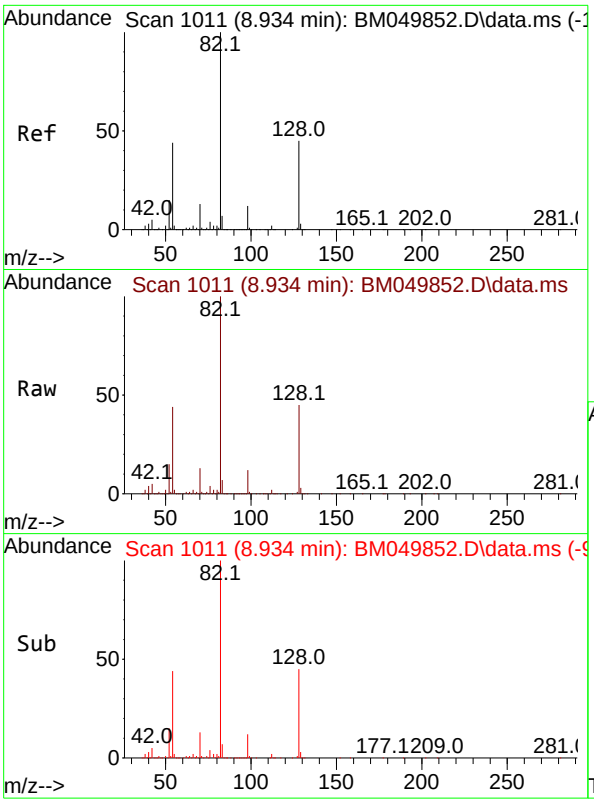


#22
Acetophenone
Concen: 40.944 ng
RT: 8.598 min Scan# 954
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:105 Resp: 1021725

Ion	Ratio	Lower	Upper
105	100		
71	3.7	3.0	4.4
51	23.2	18.6	27.8
120	23.1	18.5	27.7



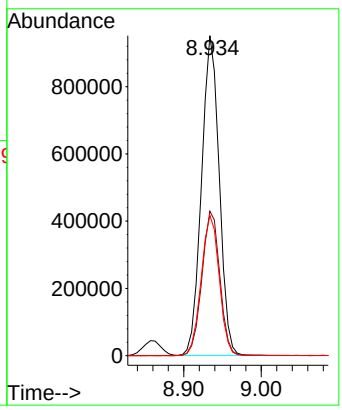


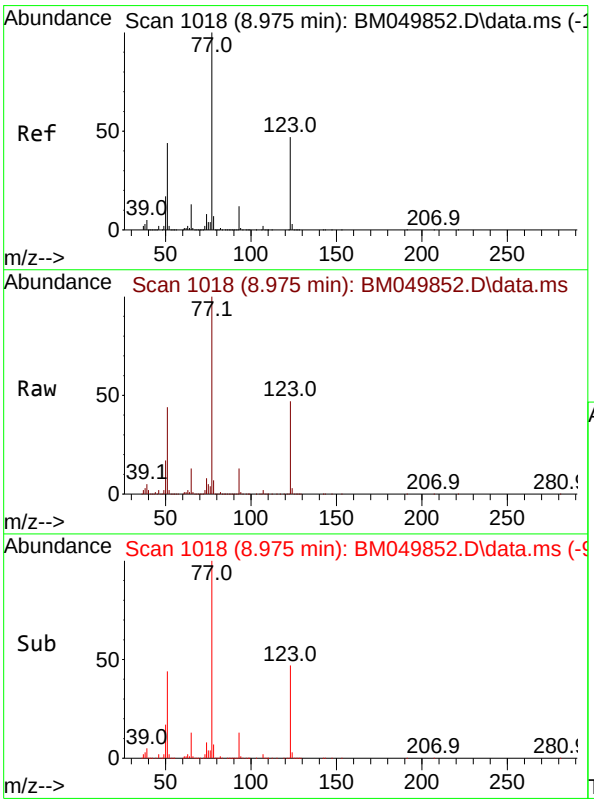
#23
Nitrobenzene-d5
Concen: 81.893 ng
RT: 8.934 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 1510046

Ion	Ratio	Lower	Upper
82	100		
128	45.2	36.2	54.2
54	43.8	35.0	52.6

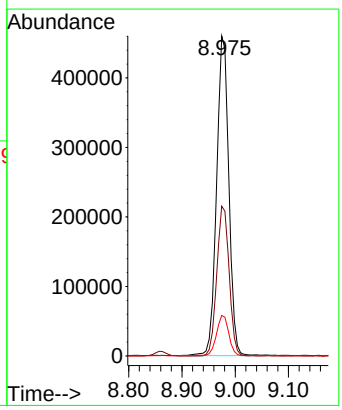


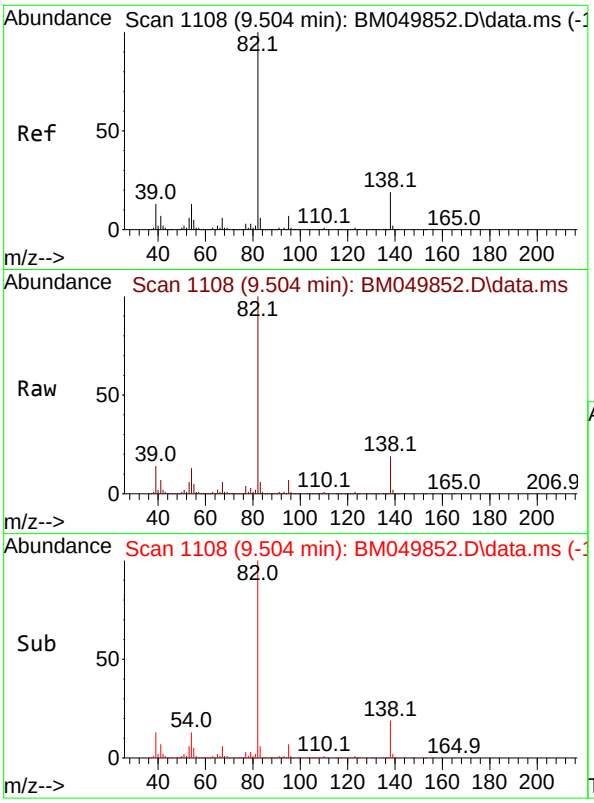


#24
Nitrobenzene
Concen: 41.211 ng
RT: 8.975 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion: 77 Resp: 731712

Ion	Ratio	Lower	Upper
77	100		
123	46.8	37.4	56.2
65	12.6	10.1	15.1



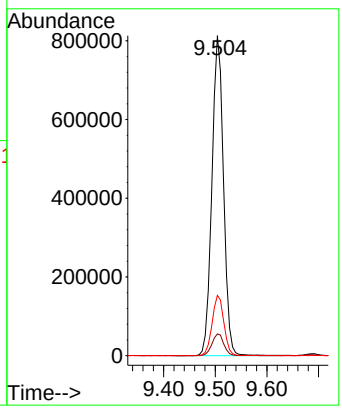


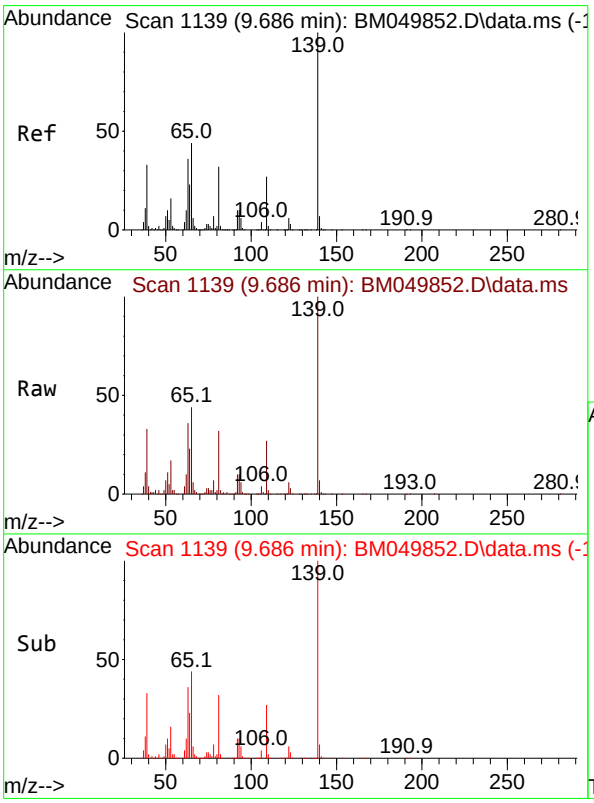
#25
Isophorone
Concen: 40.940 ng
RT: 9.504 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 1264620

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.4	8.2
138	18.8	15.0	22.6

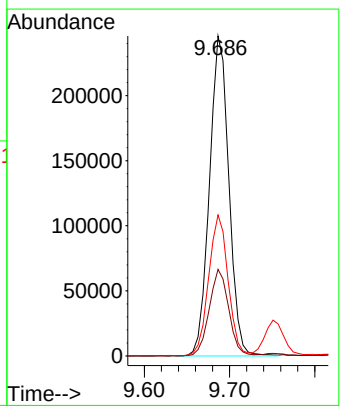


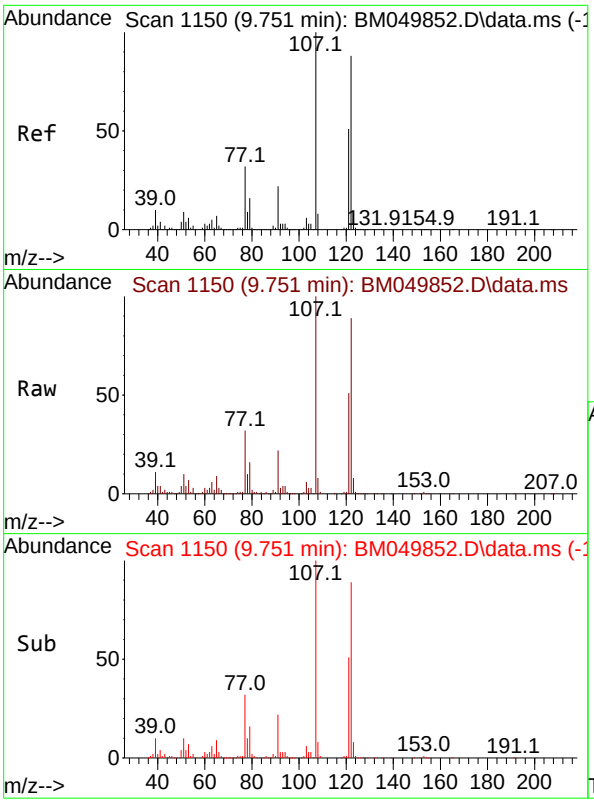


#26
2-Nitrophenol
Concen: 41.338 ng
RT: 9.686 min Scan# 1139
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:139 Resp: 389011

Ion	Ratio	Lower	Upper
139	100		
109	27.1	21.7	32.5
65	44.0	35.2	52.8



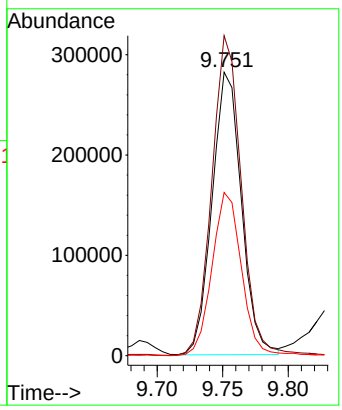


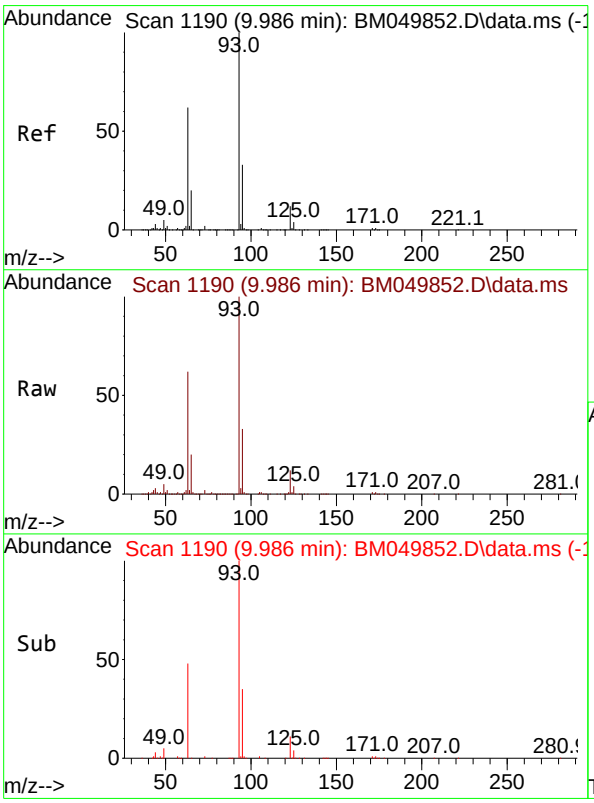
#27
2,4-Dimethylphenol
Concen: 41.102 ng
RT: 9.751 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:122 Resp: 438345

Ion	Ratio	Lower	Upper
122	100		
107	112.9	90.3	135.5
121	57.6	46.1	69.1

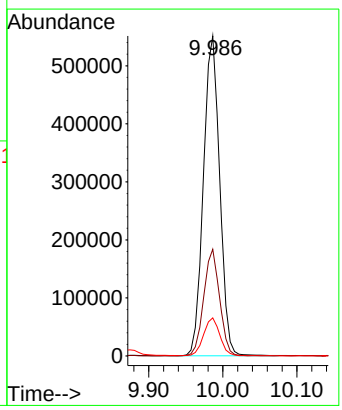


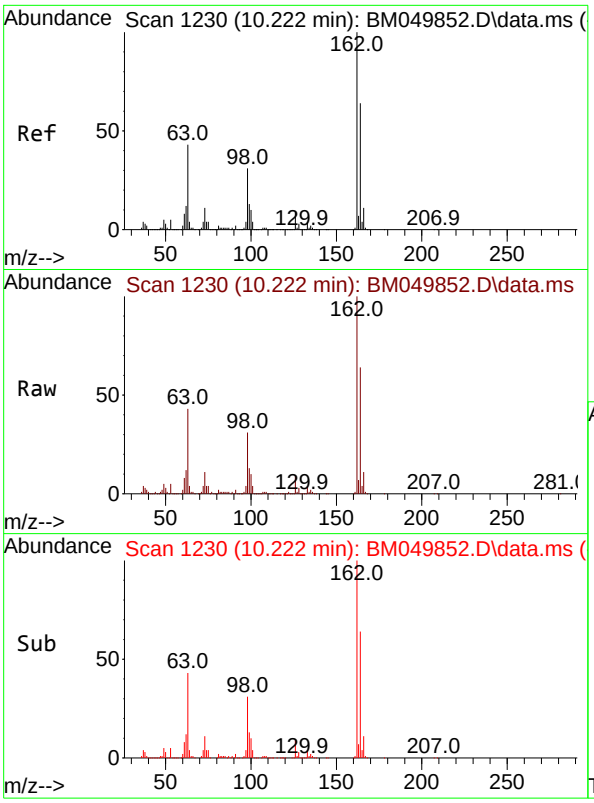


#28
bis(2-Chloroethoxy)methane
Concen: 40.740 ng
RT: 9.986 min Scan# 1190
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion: 93 Resp: 842494

Ion	Ratio	Lower	Upper
93	100		
95	33.3	26.6	40.0
123	11.9	9.5	14.3



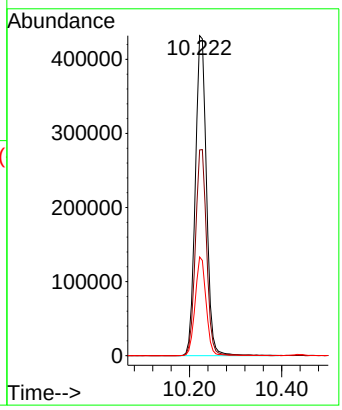


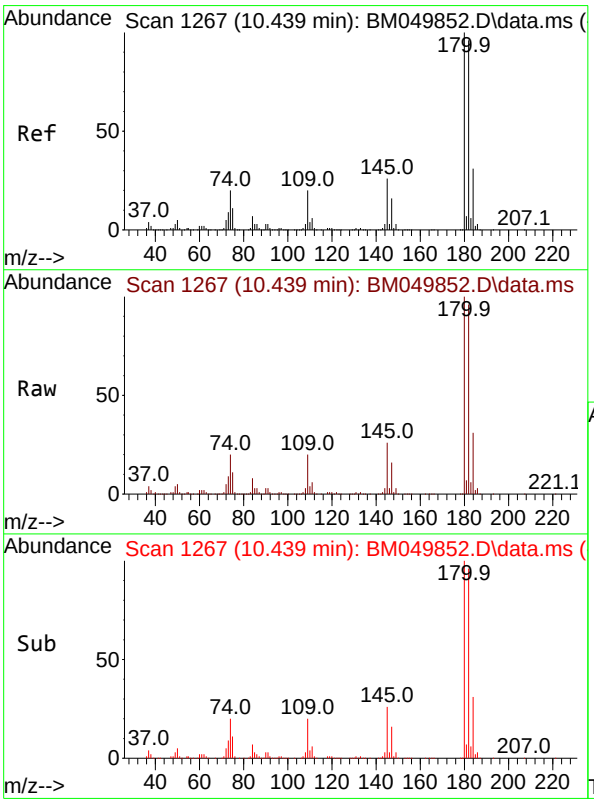
#29
2,4-Dichlorophenol
Concen: 40.918 ng
RT: 10.222 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 725384

Ion	Ratio	Lower	Upper
162	100		
164	64.3	44.3	84.3
98	30.9	10.9	50.9

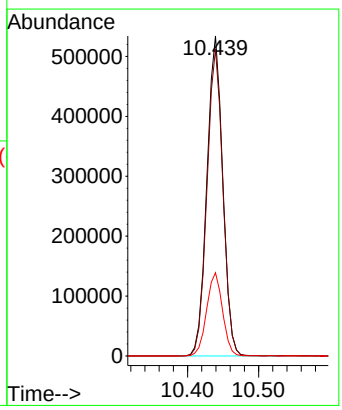


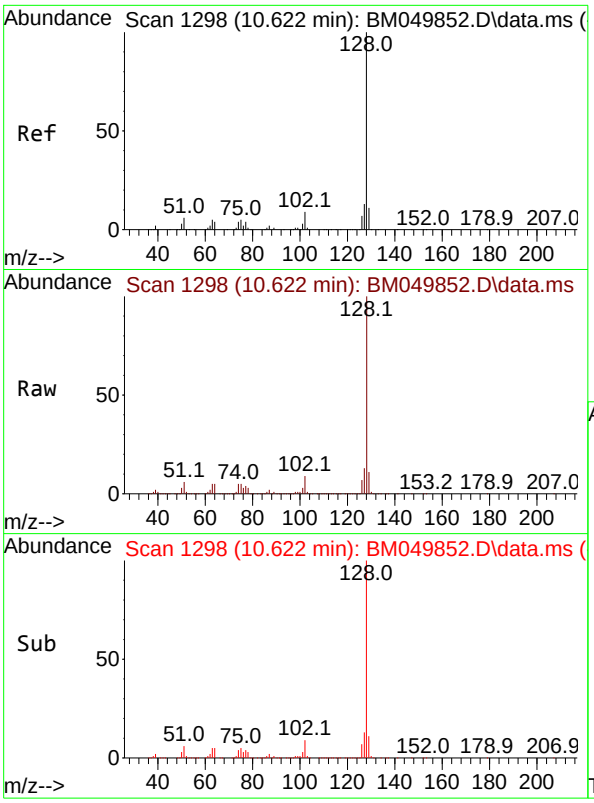


#30
1,2,4-Trichlorobenzene
Concen: 40.442 ng
RT: 10.439 min Scan# 1267
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:180 Resp: 829411

Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.7	115.1
145	26.0	20.8	31.2



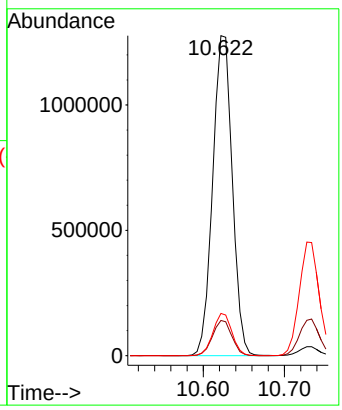


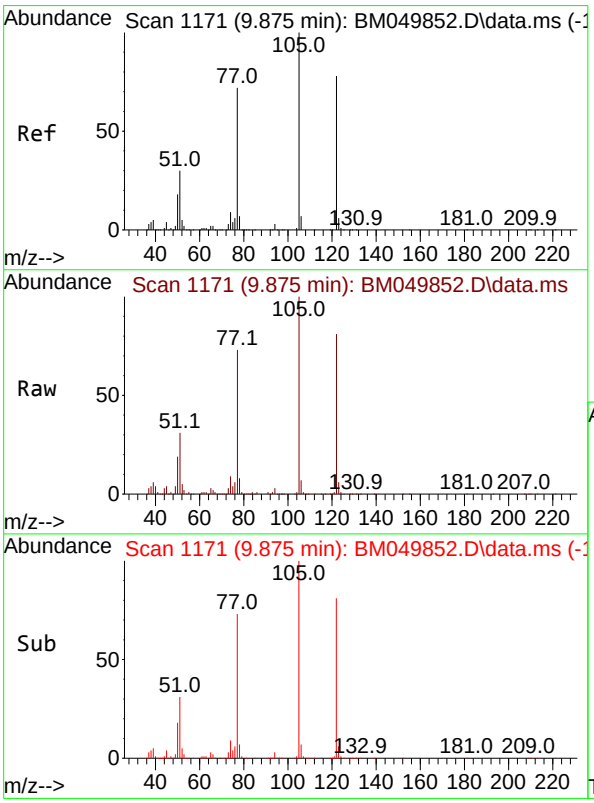
#31
Naphthalene
Concen: 40.550 ng
RT: 10.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:128 Resp: 2139433

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.2	10.6	15.8

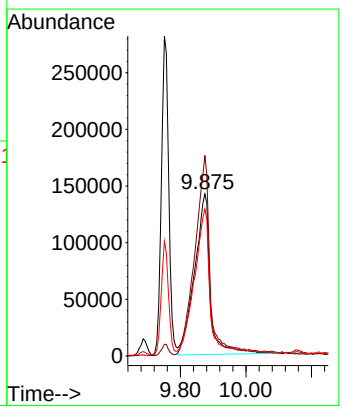


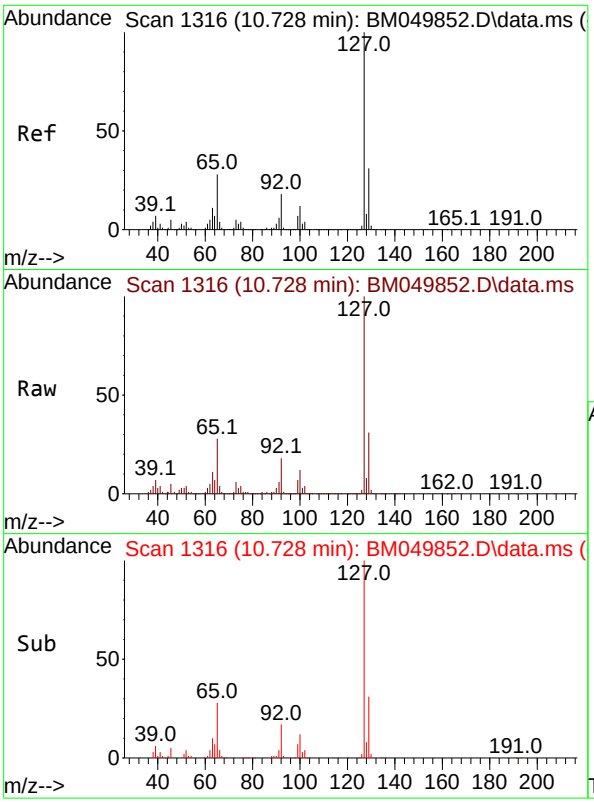


#32
Benzoic acid
Concen: 37.918 ng
RT: 9.875 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:122 Resp: 471552

Ion	Ratio	Lower	Upper
122	100		
105	123.8	103.8	143.8
77	90.7	70.7	110.7



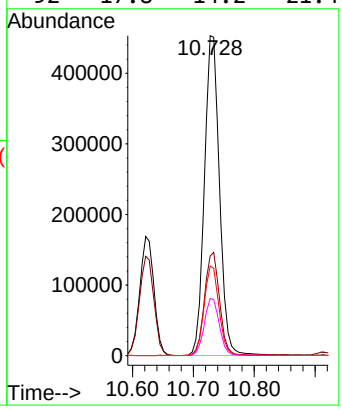


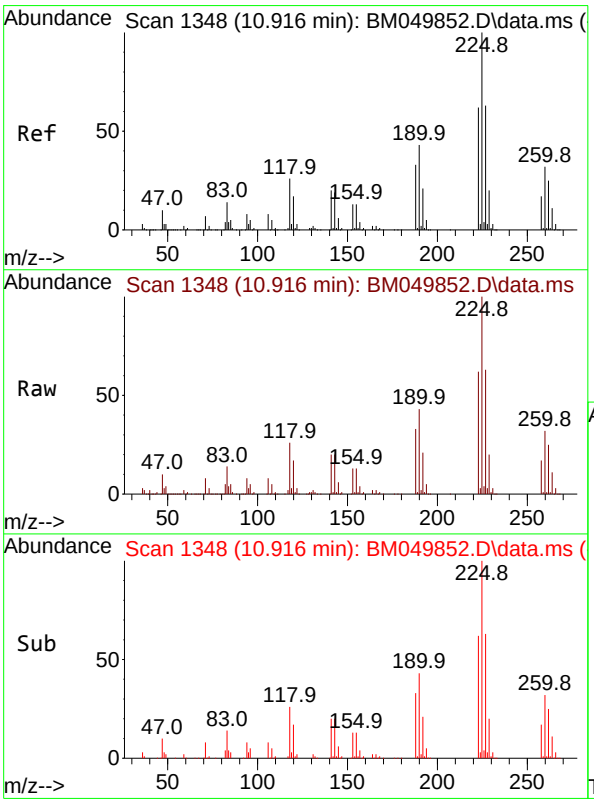
#33
4-Chloroaniline
Concen: 41.899 ng
RT: 10.728 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:127 Resp: 780602

Ion	Ratio	Lower	Upper
127	100		
129	31.1	24.9	37.3
65	28.0	22.4	33.6
92	17.8	14.2	21.4

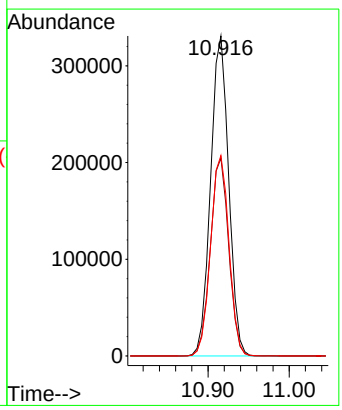


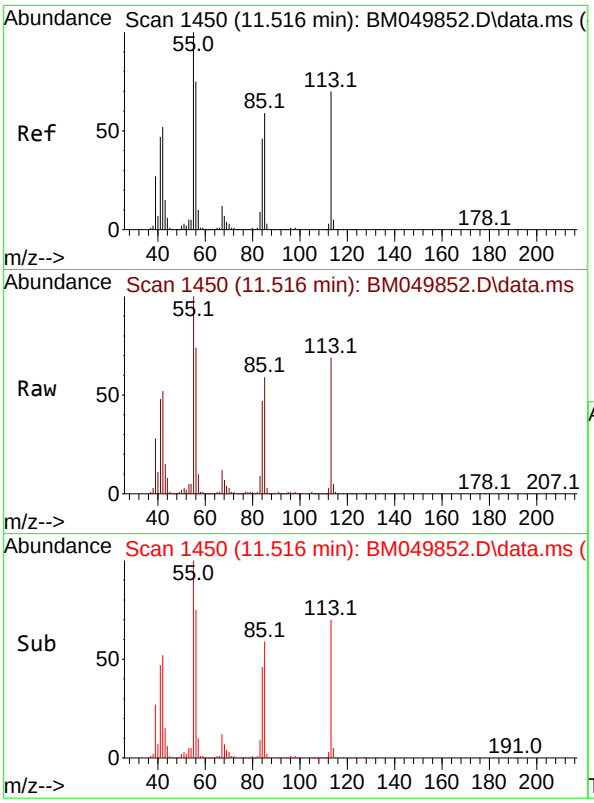


#34
Hexachlorobutadiene
Concen: 40.329 ng
RT: 10.916 min Scan# 1348
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:225 Resp: 511599

Ion	Ratio	Lower	Upper
225	100		
223	61.8	49.4	74.2
227	62.6	50.1	75.1



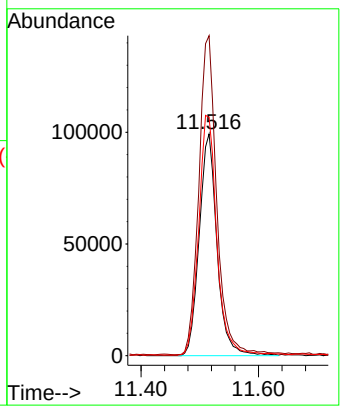


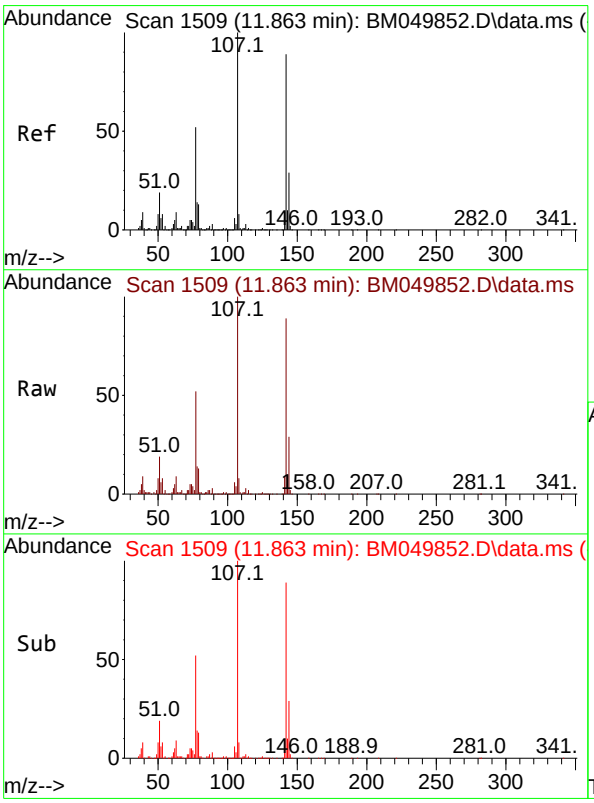
#35
Caprolactam
Concen: 41.071 ng
RT: 11.516 min Scan# 14
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:113 Resp: 208829

Ion	Ratio	Lower	Upper
113	100		
55	144.3	124.3	164.3
56	107.5	87.5	127.5

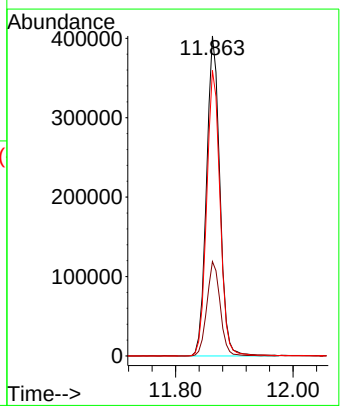


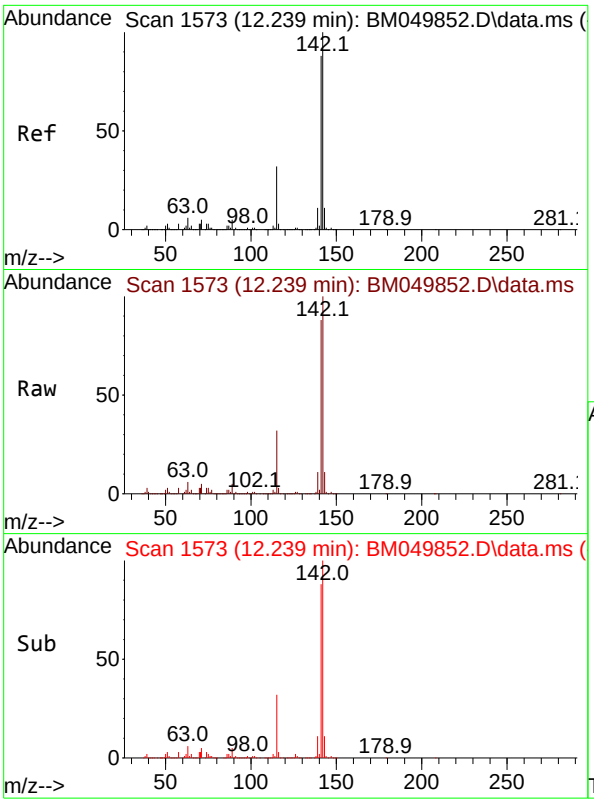


#36
4-Chloro-3-methylphenol
Concen: 40.893 ng
RT: 11.863 min Scan# 1509
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:107 Resp: 635013

Ion	Ratio	Lower	Upper
107	100		
144	29.5	23.6	35.4
142	89.2	71.4	107.0



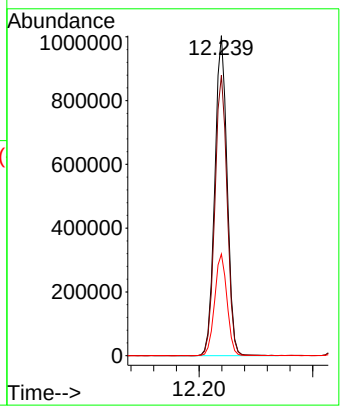


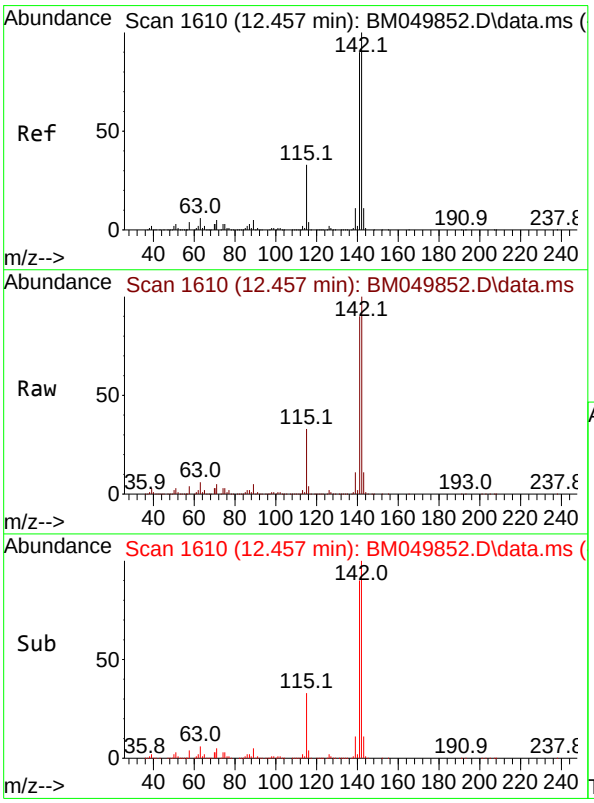
#37
2-Methylnaphthalene
Concen: 40.533 ng
RT: 12.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 1506744

Ion	Ratio	Lower	Upper
142	100		
141	87.7	70.2	105.2
115	31.8	25.4	38.2

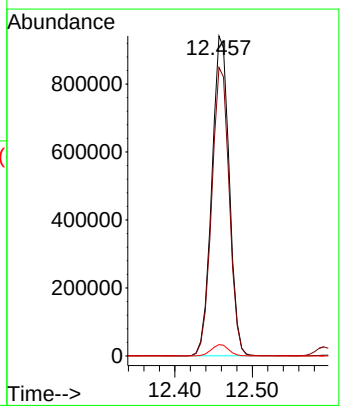


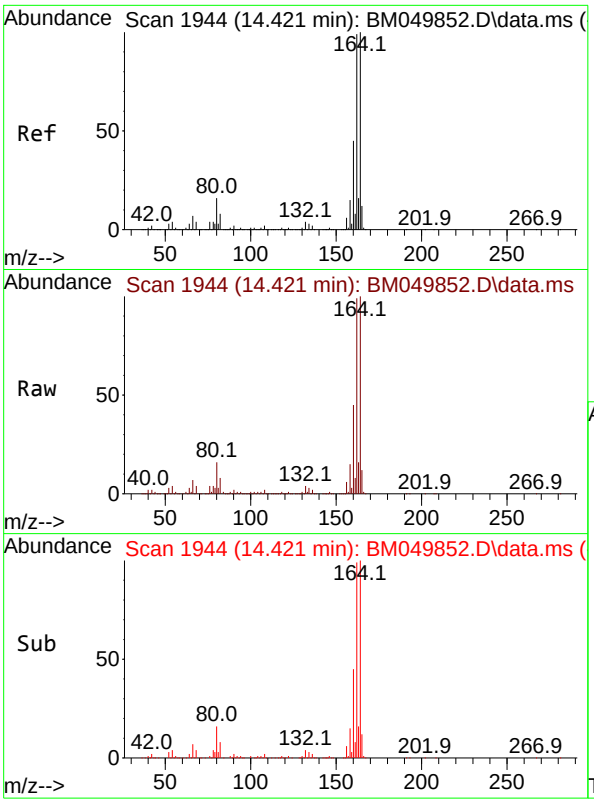


#38
1-Methylnaphthalene
Concen: 40.448 ng
RT: 12.457 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:142 Resp: 1464829

Ion	Ratio	Lower	Upper
142	100		
141	90.2	72.2	108.2
116	3.6	2.9	4.3



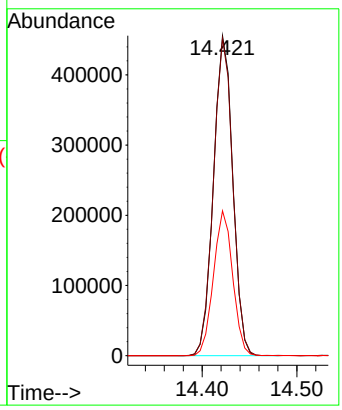


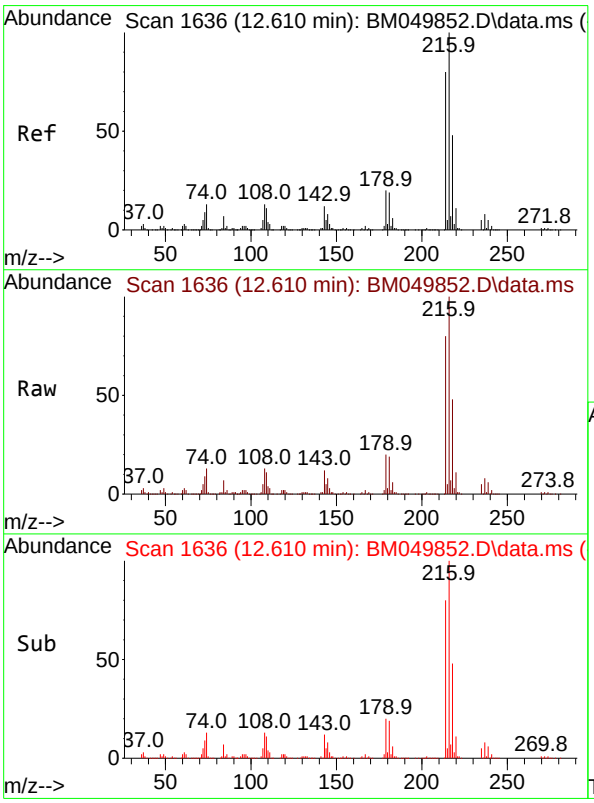
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.421 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:164 Resp: 644538

Ion	Ratio	Lower	Upper
164	100		
162	99.2	79.4	119.0
160	45.2	36.2	54.2

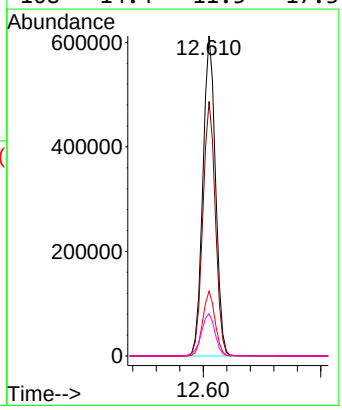


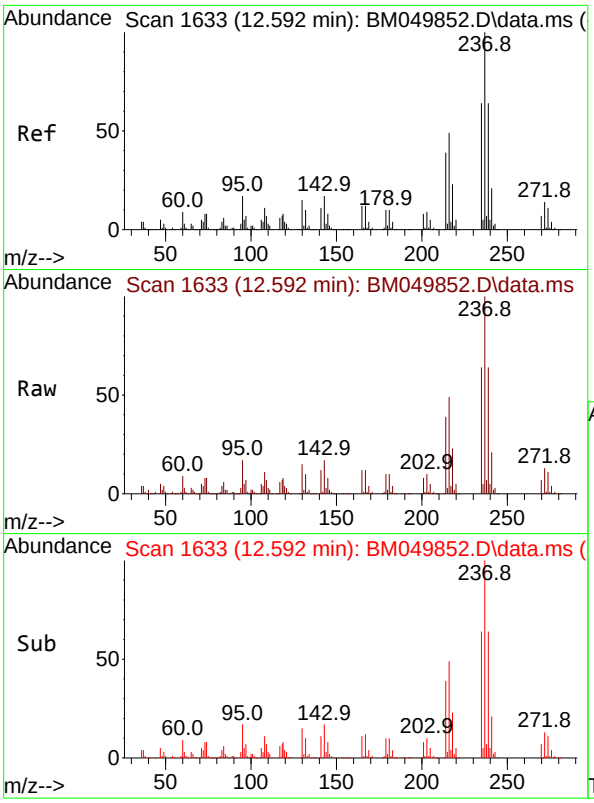


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.362 ng
RT: 12.610 min Scan# 1636
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:216 Resp: 910125

Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.2	94.8
179	19.7	15.8	23.6
108	14.4	11.5	17.3



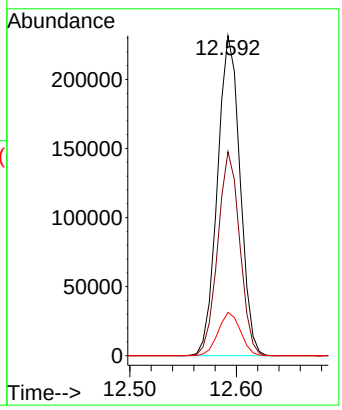


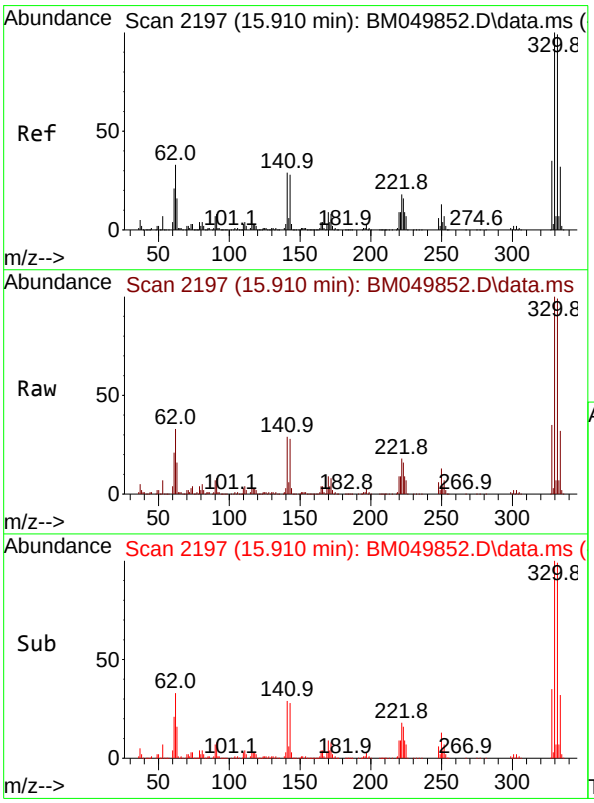
#41
Hexachlorocyclopentadiene
Concen: 43.036 ng
RT: 12.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 340037

Ion	Ratio	Lower	Upper
237	100		
235	63.7	43.7	83.7
272	13.5	0.0	33.5

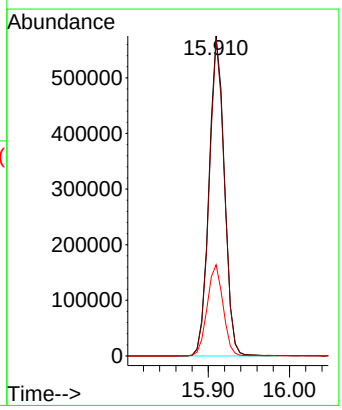


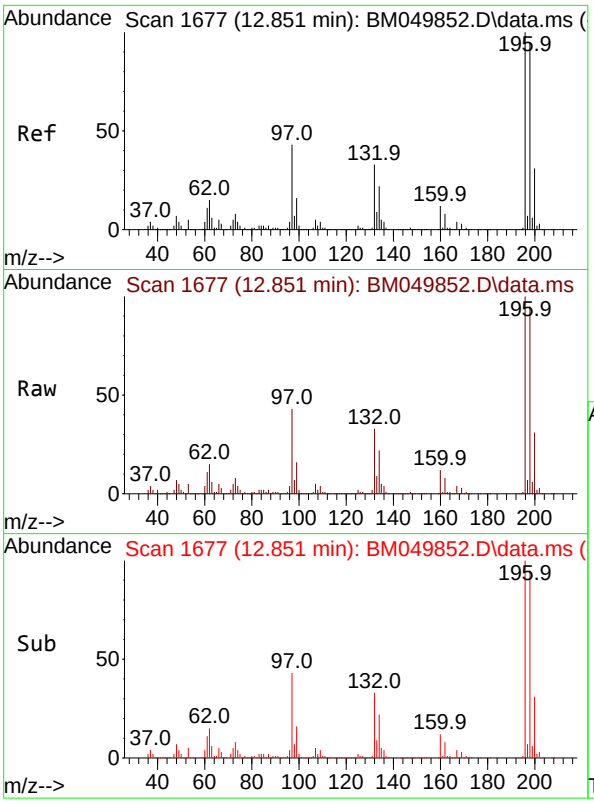


#42
2,4,6-Tribromophenol
Concen: 80.755 ng
RT: 15.910 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:330 Resp: 757084

Ion	Ratio	Lower	Upper
330	100		
332	97.5	78.0	117.0
141	29.4	23.5	35.3



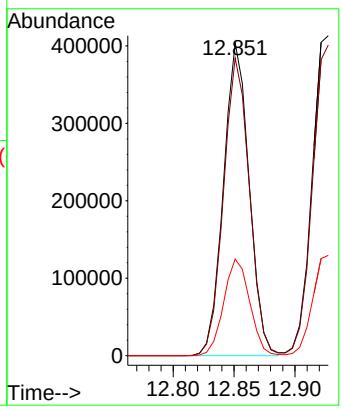


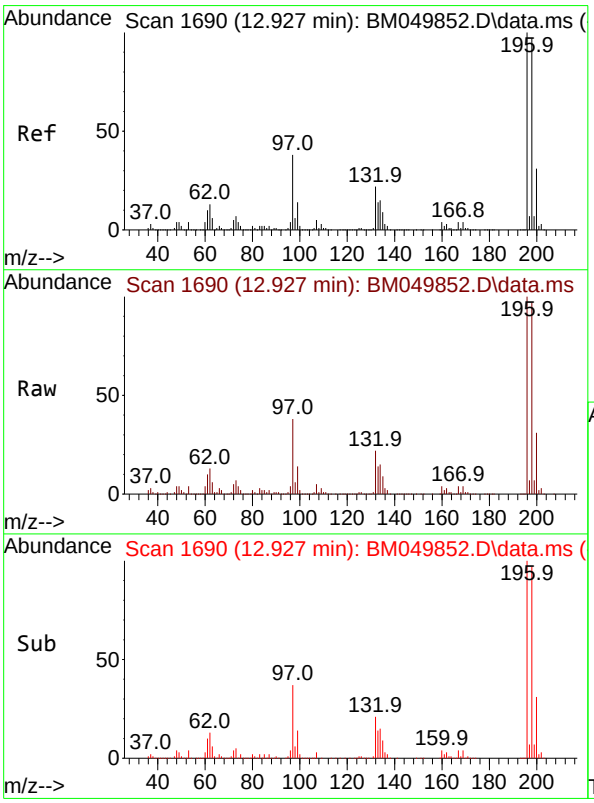
#43
2,4,6-Trichlorophenol
Concen: 41.269 ng
RT: 12.851 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:196 Resp: 592155

Ion	Ratio	Lower	Upper
196	100		
198	95.1	76.1	114.1
200	30.9	24.7	37.1

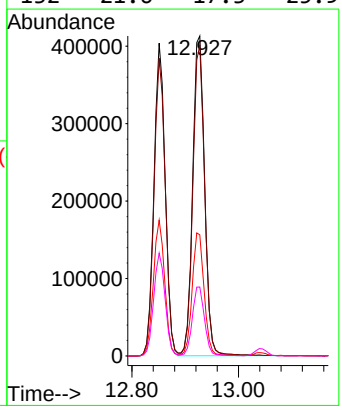


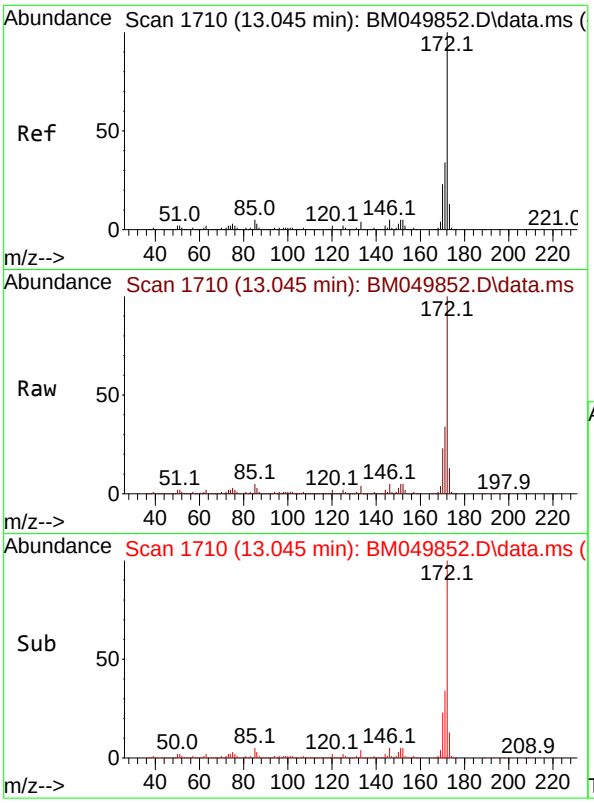


#44
2,4,5-Trichlorophenol
Concen: 41.373 ng
RT: 12.927 min Scan# 1690
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:196 Resp: 645125

Ion	Ratio	Lower	Upper
196	100		
198	97.1	77.7	116.5
97	37.9	30.3	45.5
132	21.6	17.3	25.9



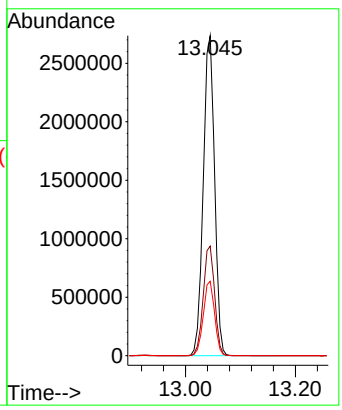


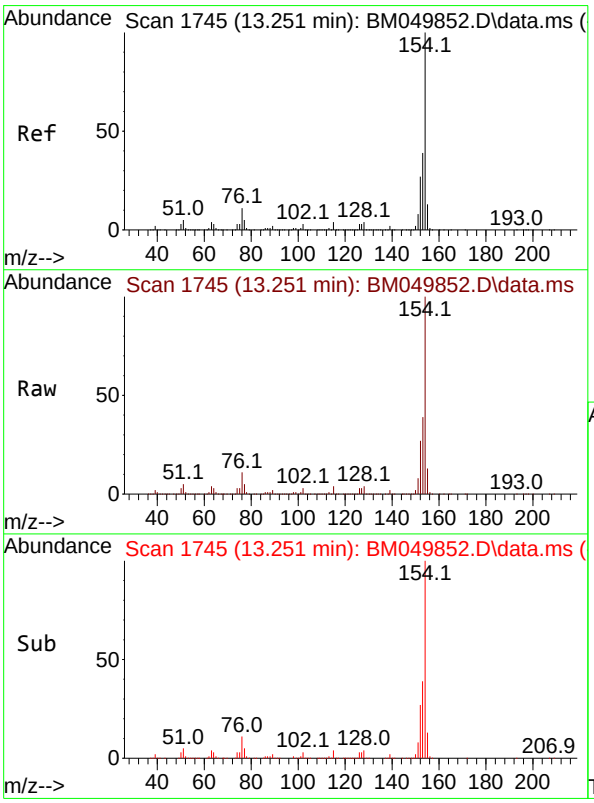
#45
2-Fluorobiphenyl
Concen: 82.162 ng
RT: 13.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:172 Resp: 3905323

Ion	Ratio	Lower	Upper
172	100		
171	34.3	27.4	41.2
170	23.3	18.6	28.0

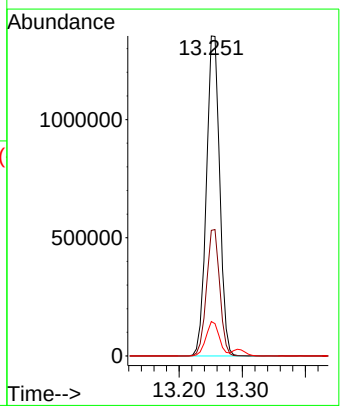


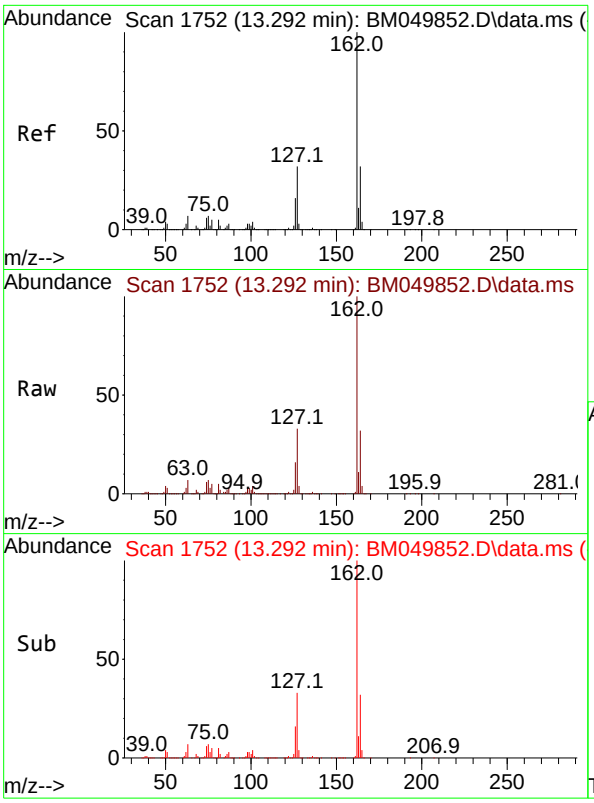


#46
1,1'-Biphenyl
Concen: 41.114 ng
RT: 13.251 min Scan# 1745
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:154 Resp: 1969872

Ion	Ratio	Lower	Upper
154	100		
153	39.3	19.3	59.3
76	10.7	0.0	30.7



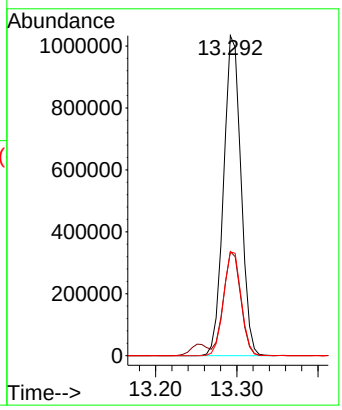


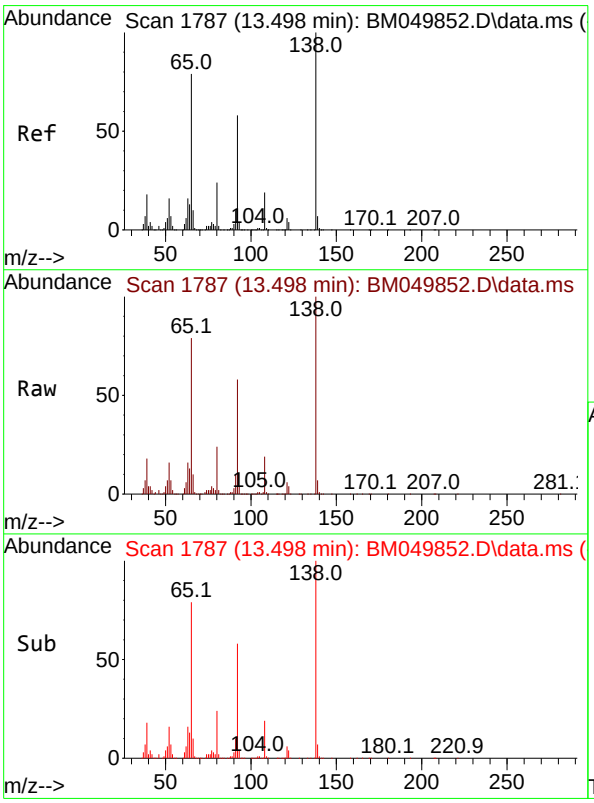
#47
2-Chloronaphthalene
Concen: 40.860 ng
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 1538747

Ion	Ratio	Lower	Upper
162	100		
127	32.5	26.0	39.0
164	32.4	25.9	38.9

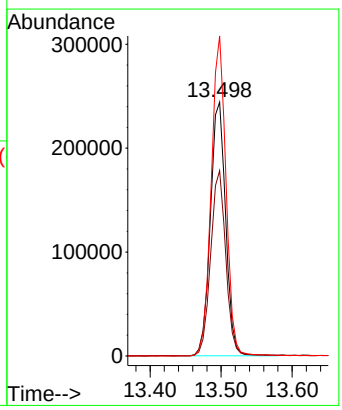


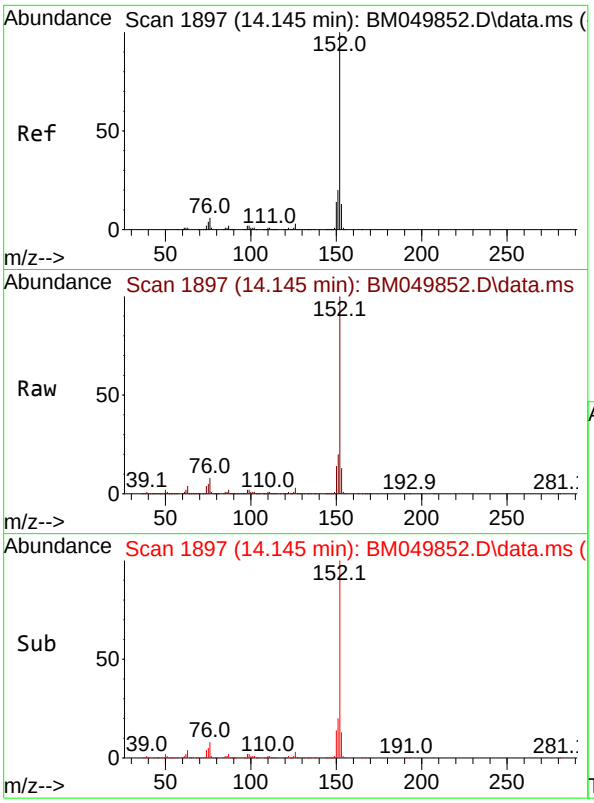


#48
2-Nitroaniline
Concen: 41.941 ng
RT: 13.498 min Scan# 1787
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion: 65 Resp: 365393

Ion	Ratio	Lower	Upper
65	100		
92	73.0	58.4	87.6
138	126.0	100.8	151.2



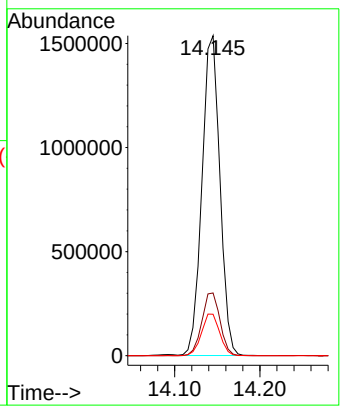


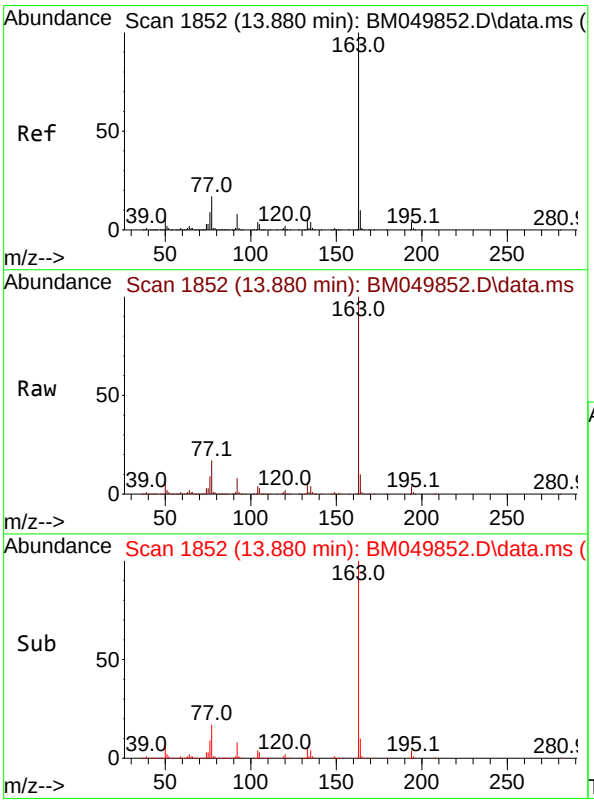
#49
Acenaphthylene
Concen: 40.937 ng
RT: 14.145 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 2245605

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.7	23.5
153	13.0	10.4	15.6

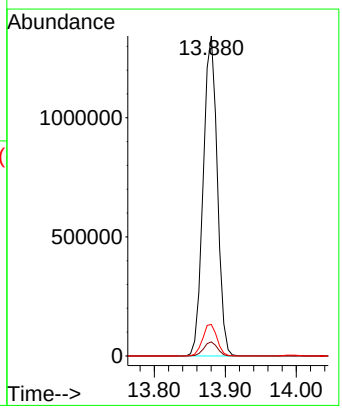


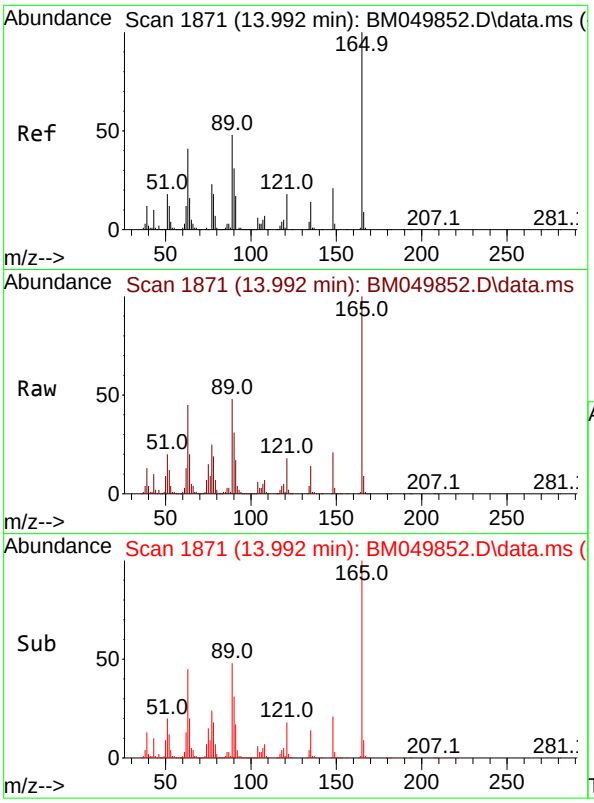


#50
Dimethylphthalate
Concen: 40.771 ng
RT: 13.880 min Scan# 1852
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:163 Resp: 1853920

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.5	5.3
164	9.9	7.9	11.9



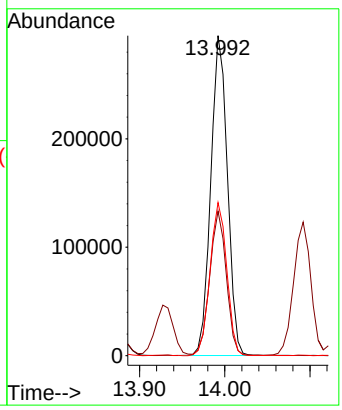


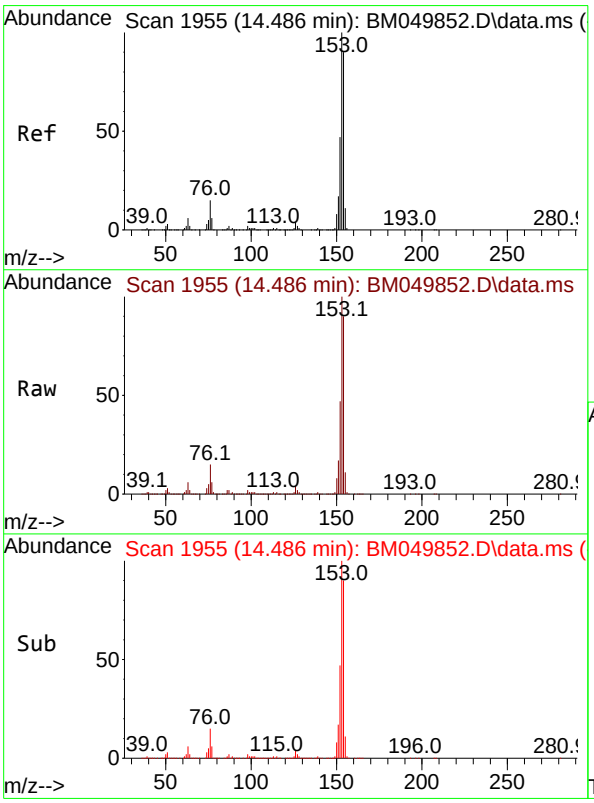
#51
2,6-Dinitrotoluene
Concen: 41.998 ng
RT: 13.992 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 400110

Ion	Ratio	Lower	Upper
165	100		
63	45.1	36.1	54.1
89	47.9	38.3	57.5

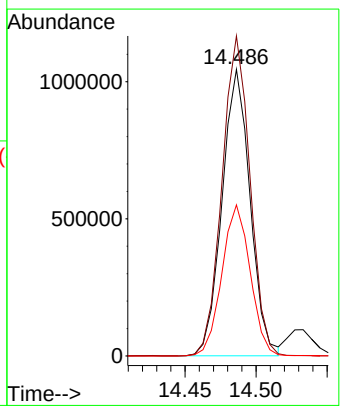


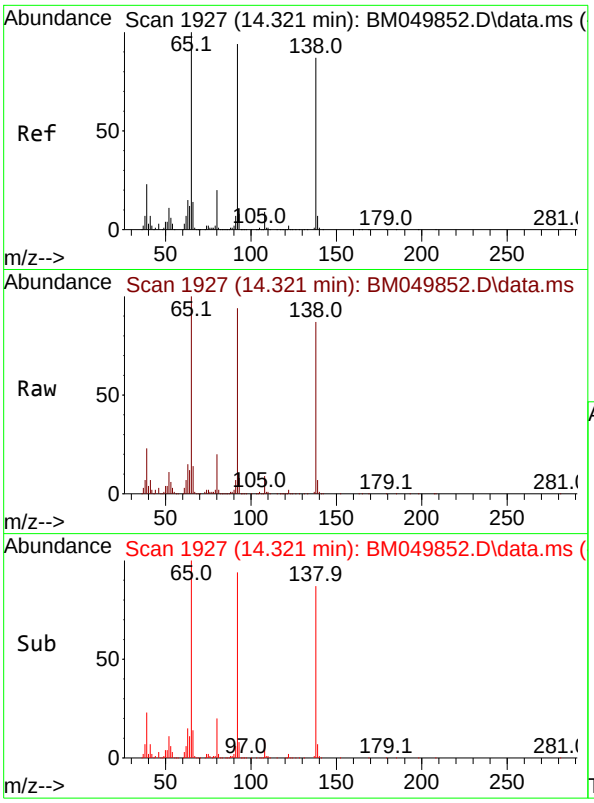


#52
Acenaphthene
Concen: 41.123 ng
RT: 14.486 min Scan# 1955
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:154 Resp: 1434901

Ion	Ratio	Lower	Upper
154	100		
153	111.6	89.3	133.9
152	52.7	42.2	63.2



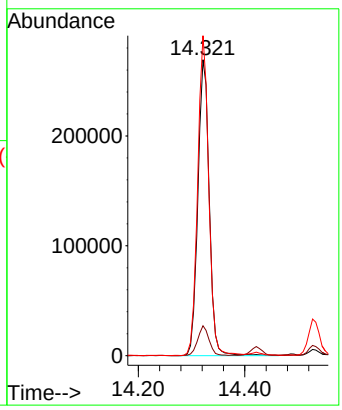


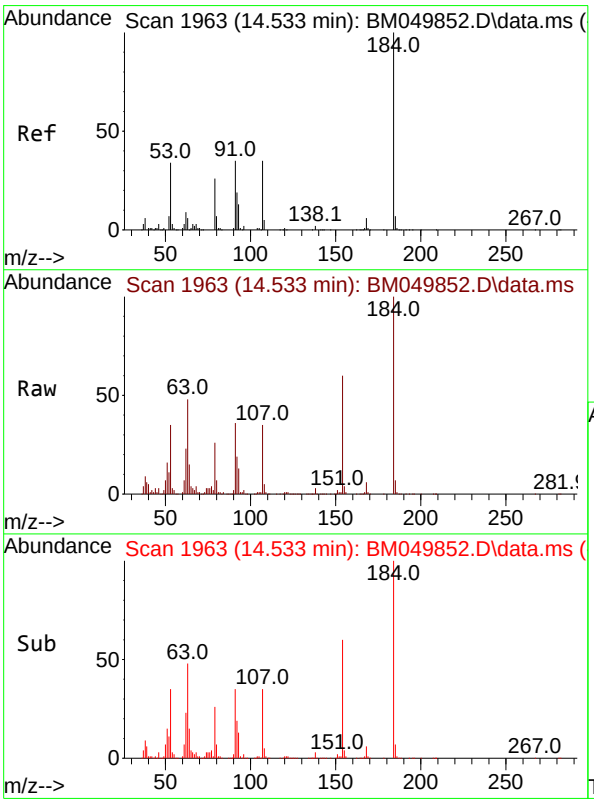
#53
3-Nitroaniline
Concen: 43.352 ng
RT: 14.321 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:138 Resp: 399172

Ion	Ratio	Lower	Upper
138	100		
108	10.1	8.1	12.1
92	108.1	86.5	129.7

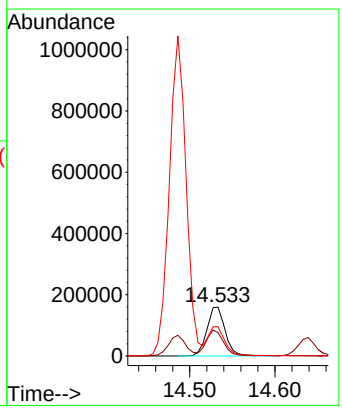


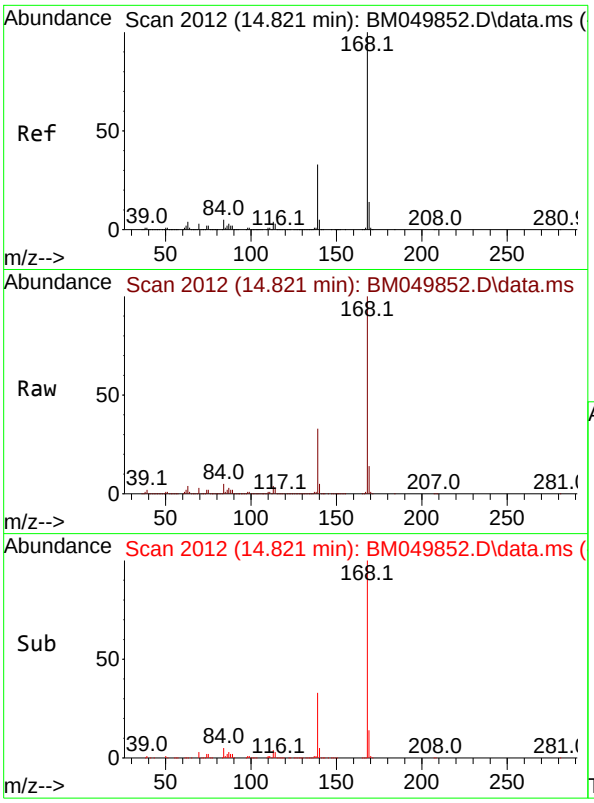


#54
2,4-Dinitrophenol
Concen: 38.463 ng
RT: 14.533 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:184 Resp: 236910

Ion	Ratio	Lower	Upper
184	100		
63	48.0	38.4	57.6
154	60.1	48.1	72.1



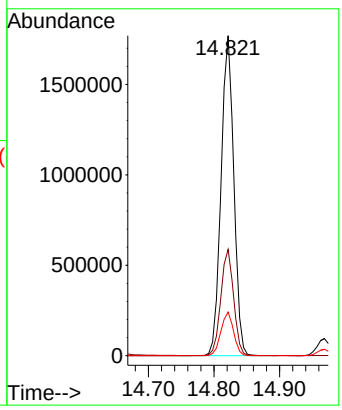


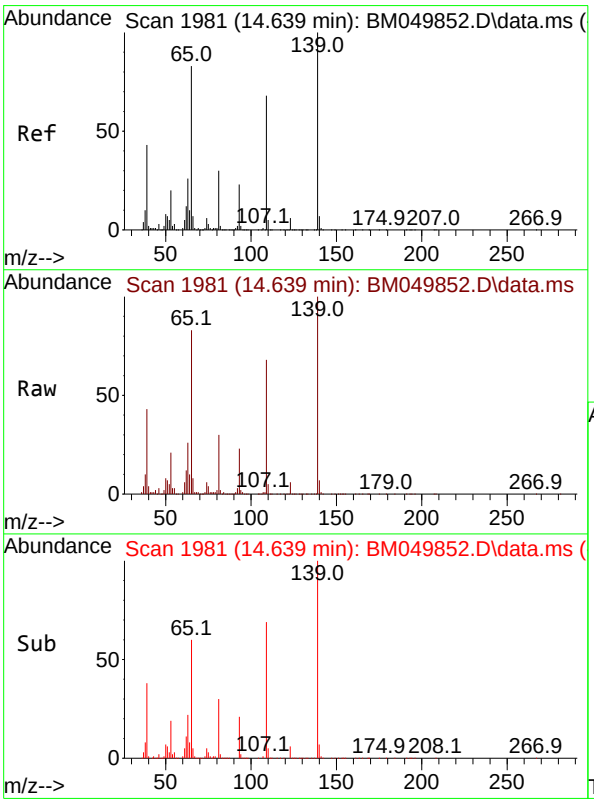
#55
Dibenzofuran
Concen: 40.784 ng
RT: 14.821 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:168 Resp: 2378962

Ion	Ratio	Lower	Upper
168	100		
139	33.2	26.6	39.8
169	13.7	11.0	16.4

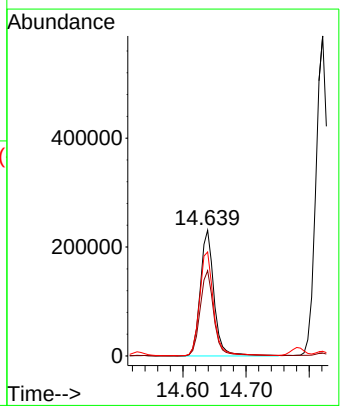


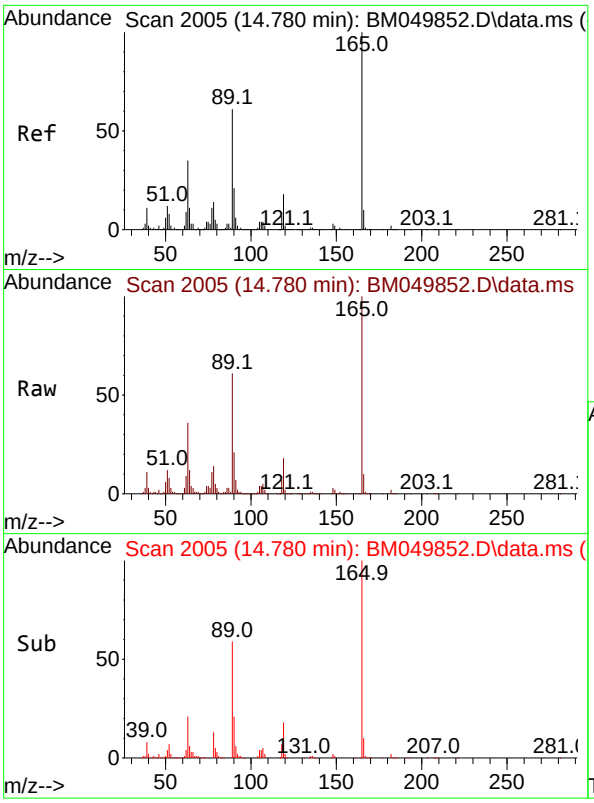


#56
4-Nitrophenol
Concen: 42.490 ng
RT: 14.639 min Scan# 1981
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:139 Resp: 348645

Ion	Ratio	Lower	Upper
139	100		
109	67.9	47.9	87.9
65	82.7	62.7	102.7



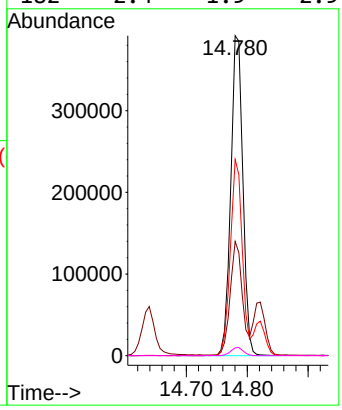


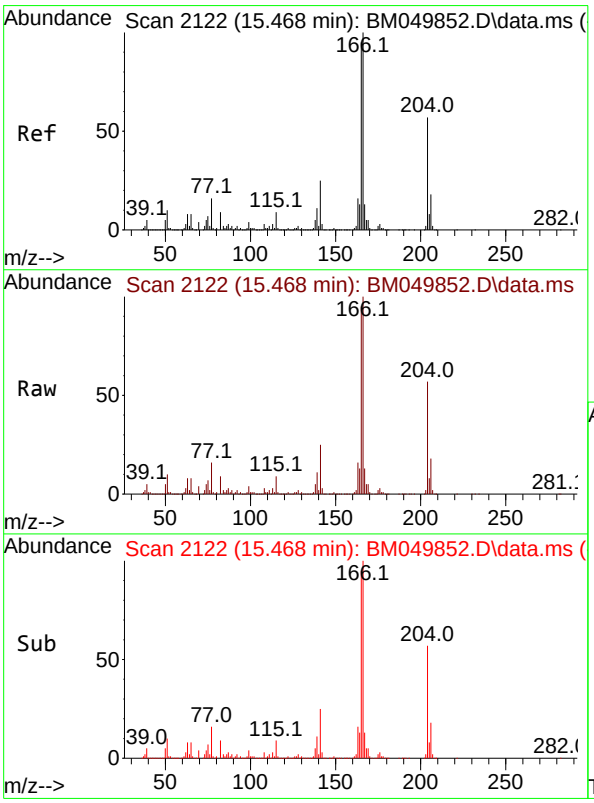
#57
2,4-Dinitrotoluene
Concen: 42.662 ng
RT: 14.780 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 542212

Ion	Ratio	Lower	Upper
165	100		
63	35.7	28.6	42.8
89	61.3	49.0	73.6
182	2.4	1.9	2.9

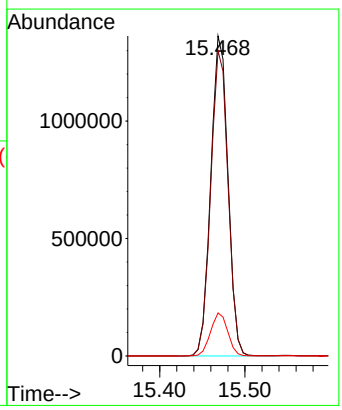


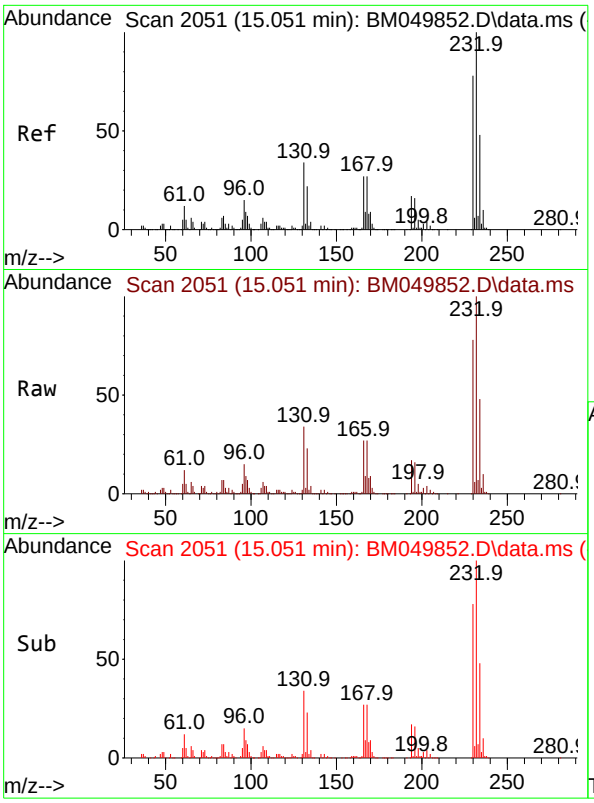


#58
Fluorene
Concen: 41.170 ng
RT: 15.468 min Scan# 2122
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:166 Resp: 1908871

Ion	Ratio	Lower	Upper
166	100		
165	95.4	76.3	114.5
167	13.4	10.7	16.1



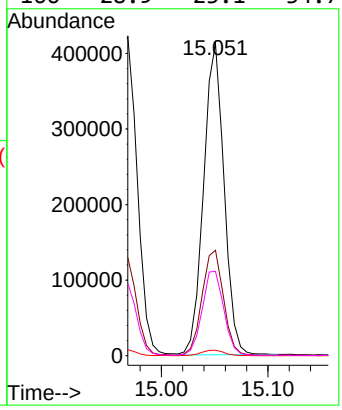


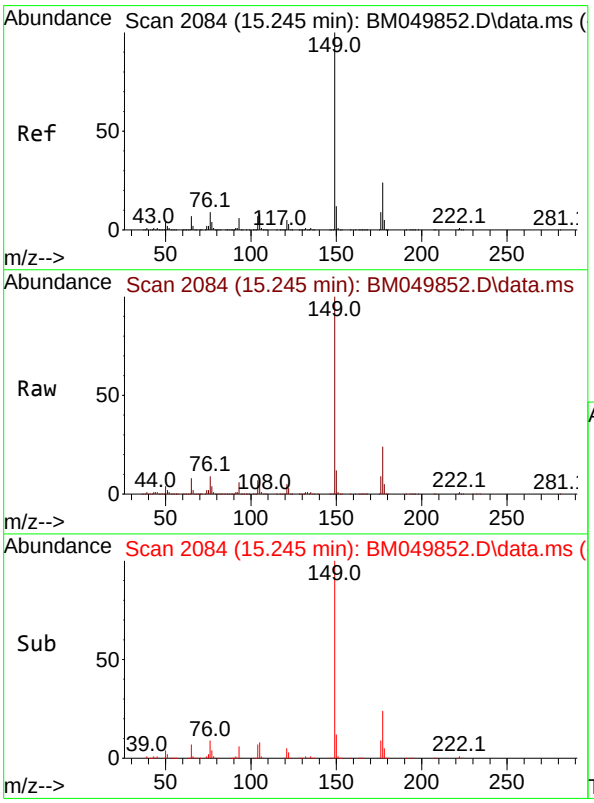
#59
2,3,4,6-Tetrachlorophenol
Concen: 40.287 ng
RT: 15.051 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:232 Resp: 550595

Ion	Ratio	Lower	Upper
232	100		
131	35.5	28.4	42.6
130	2.0	1.6	2.4
166	28.9	23.1	34.7

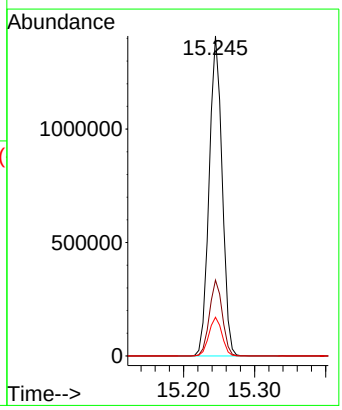


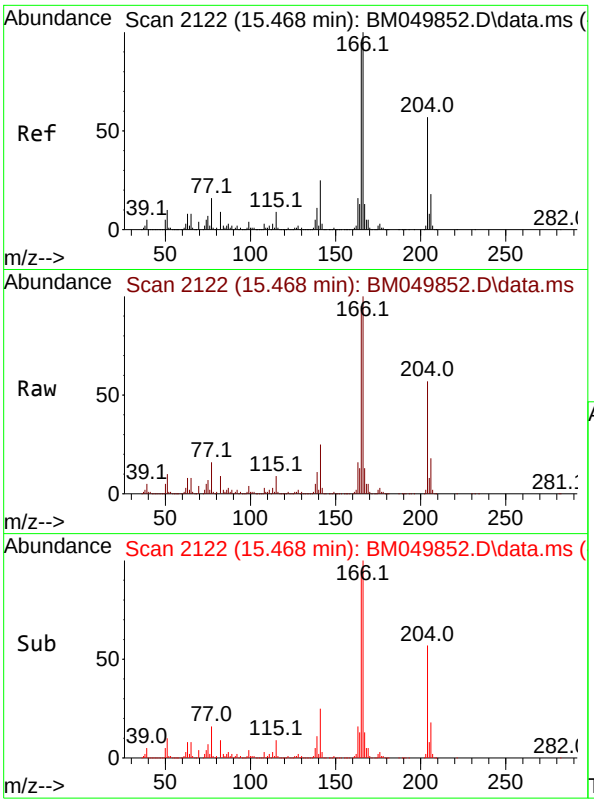


#60
Diethylphthalate
Concen: 41.085 ng
RT: 15.245 min Scan# 2084
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:149 Resp: 1791575

Ion	Ratio	Lower	Upper
149	100		
177	23.7	19.0	28.4
150	12.1	9.7	14.5



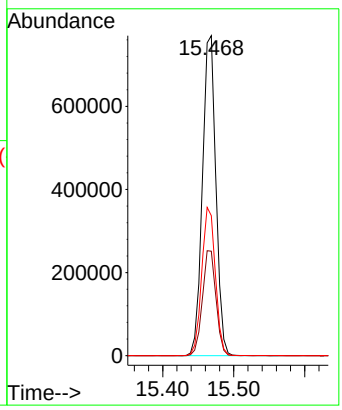


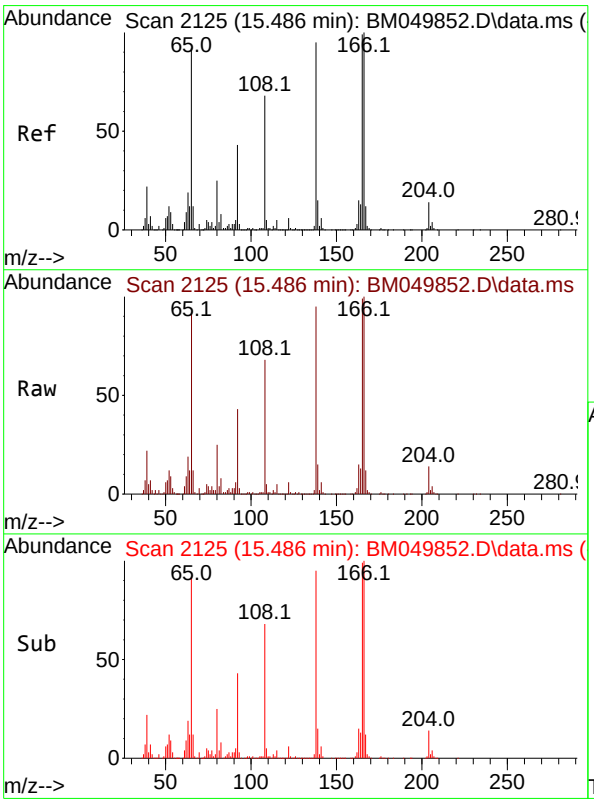
#61
4-Chlorophenyl-phenylether
Concen: 40.907 ng
RT: 15.468 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:204 Resp: 1016885

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.2	39.2
141	43.8	35.0	52.6

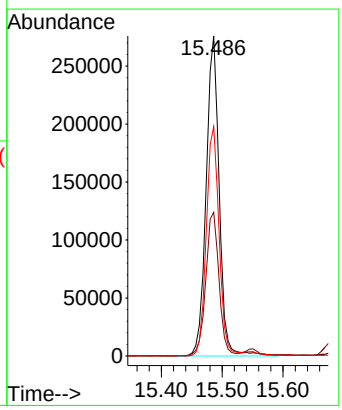


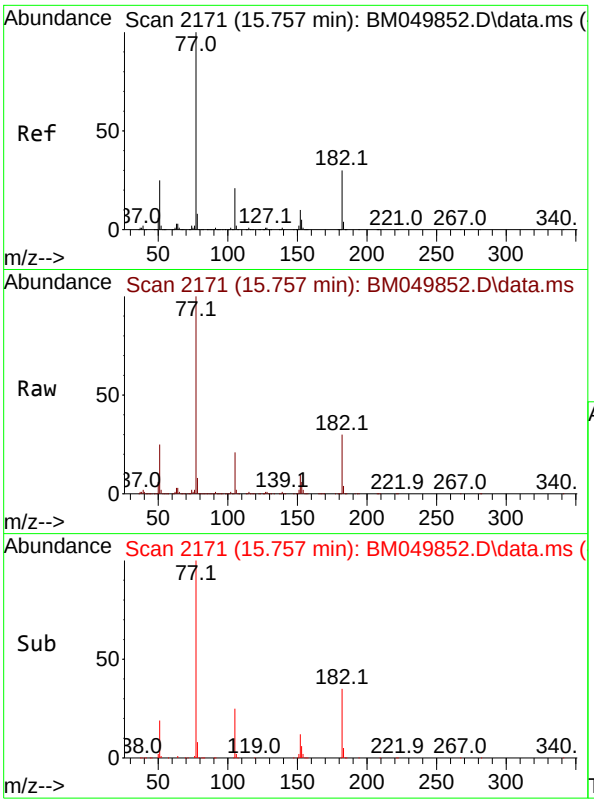


#62
4-Nitroaniline
Concen: 43.263 ng
RT: 15.486 min Scan# 2125
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:138 Resp: 411956

Ion	Ratio	Lower	Upper
138	100		
92	44.9	24.9	64.9
108	71.7	51.7	91.7



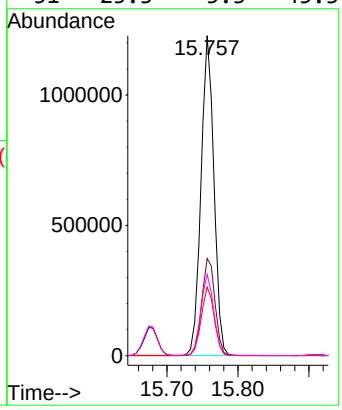


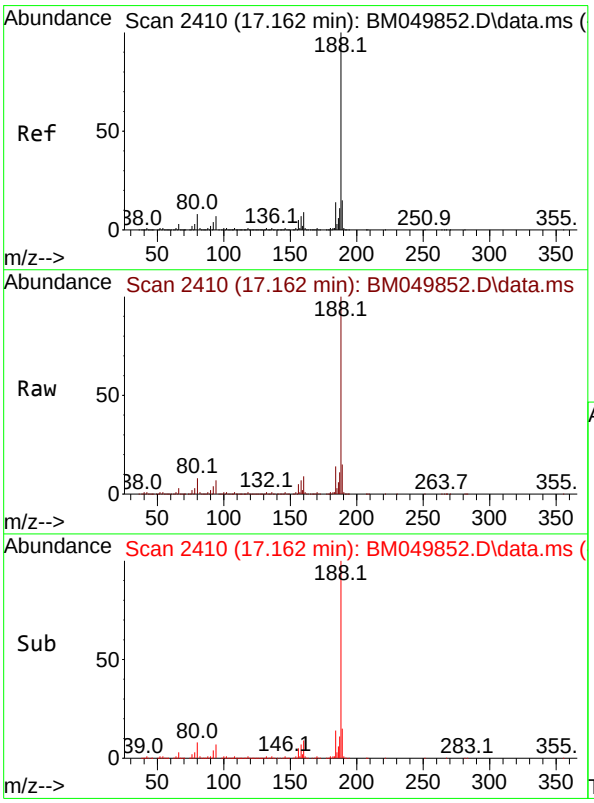
#63
Azobenzene
Concen: 41.517 ng
RT: 15.757 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 1549968

Ion	Ratio	Lower	Upper
77	100		
182	30.4	10.4	50.4
105	21.5	1.5	41.5
51	25.3	5.3	45.3

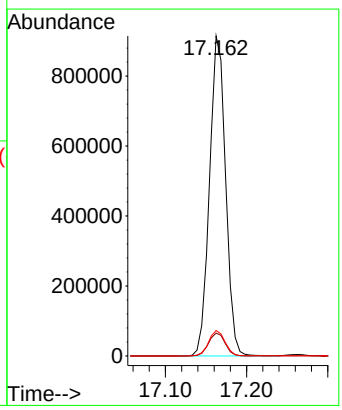


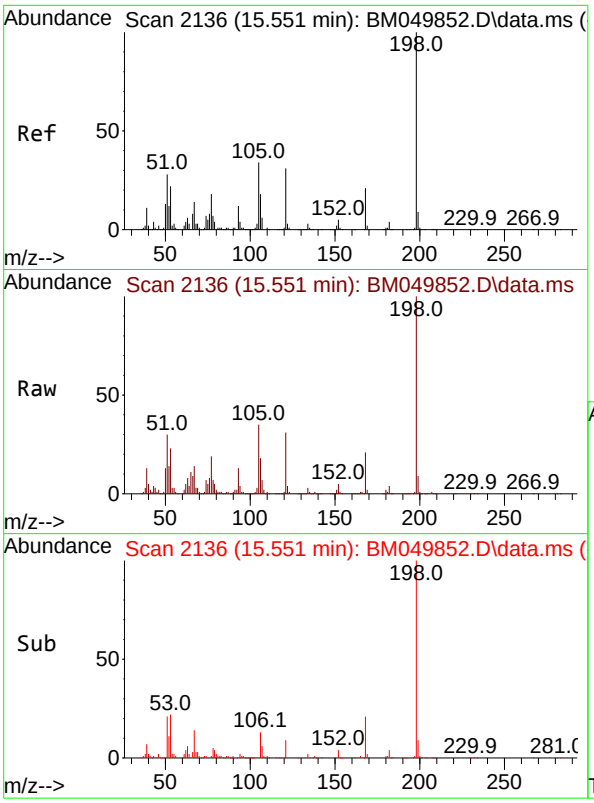


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.162 min Scan# 2410
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:188 Resp: 1259832

Ion	Ratio	Lower	Upper
188	100		
94	7.2	5.8	8.6
80	8.0	6.4	9.6



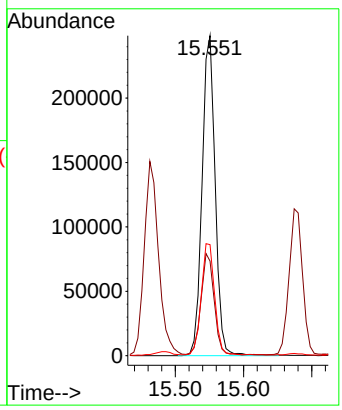


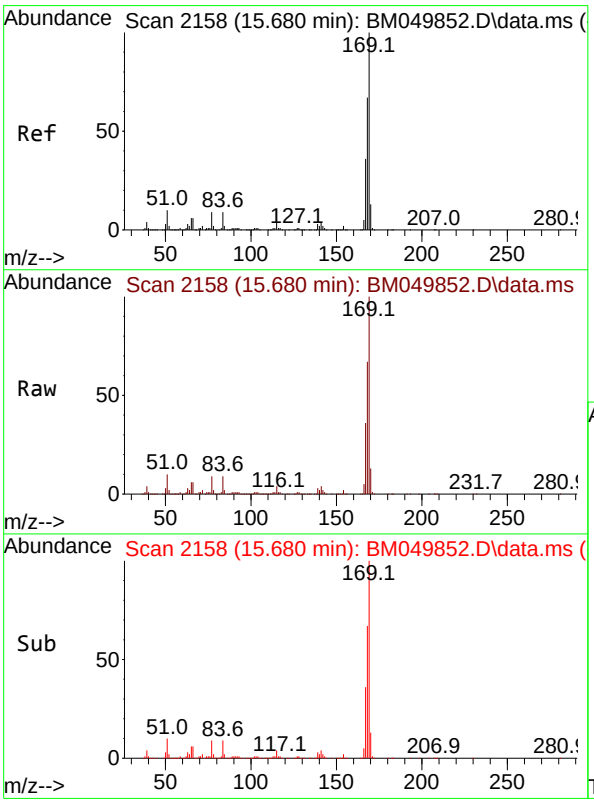
#65
4,6-Dinitro-2-methylphenol
Concen: 41.869 ng
RT: 15.551 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 332394

Ion	Ratio	Lower	Upper
198	100		
51	29.6	9.6	49.6
105	34.7	14.7	54.7

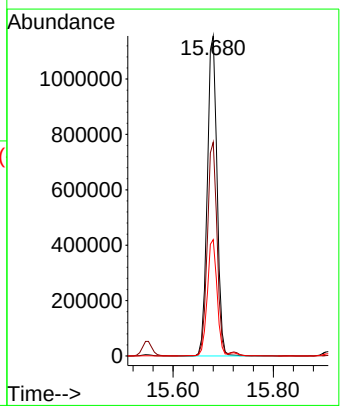


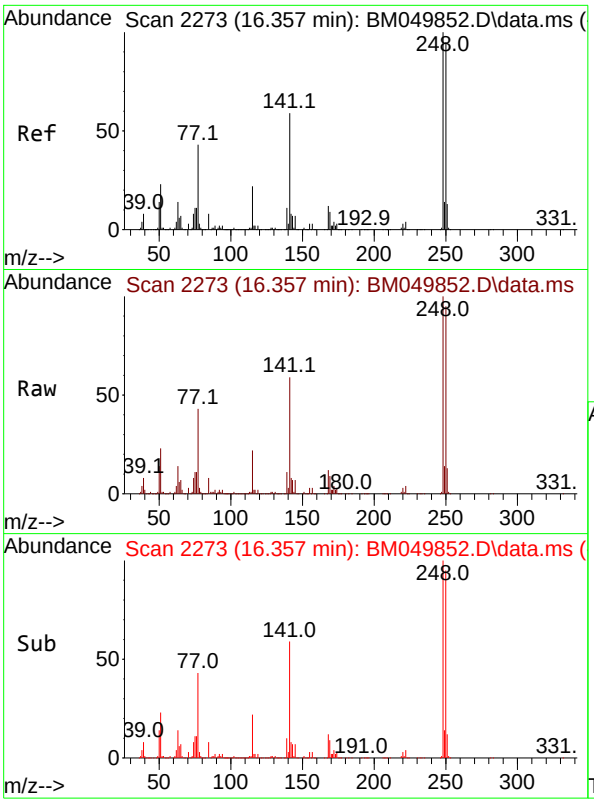


#66
n-Nitrosodiphenylamine
Concen: 41.387 ng
RT: 15.680 min Scan# 2158
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:169 Resp: 1560374

Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.4	80.2
167	36.3	29.0	43.6



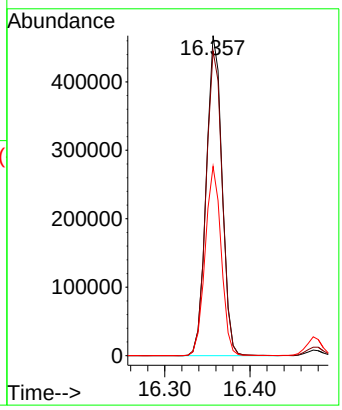


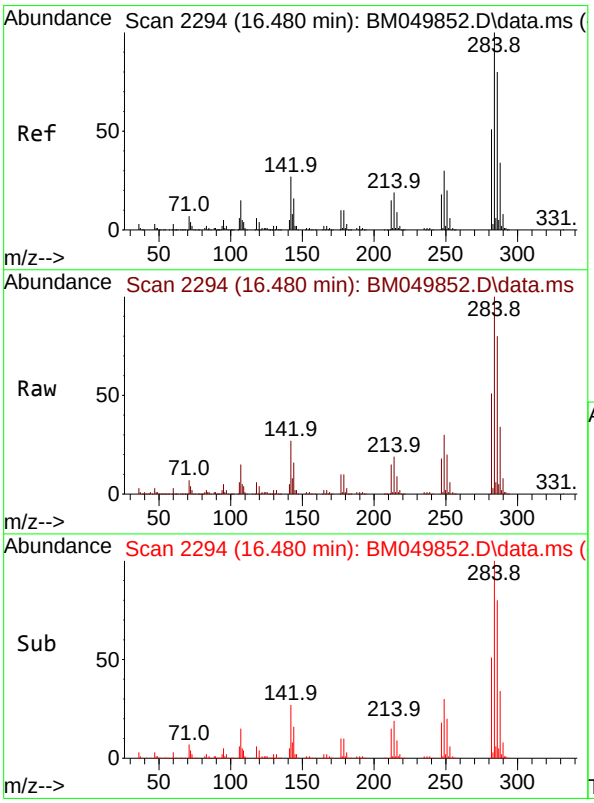
#67
4-Bromophenyl-phenylether
Concen: 41.113 ng
RT: 16.357 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:248 Resp: 601282

Ion	Ratio	Lower	Upper
248	100		
250	95.2	76.2	114.2
141	59.1	47.3	70.9

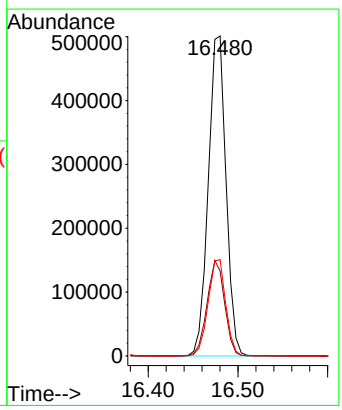


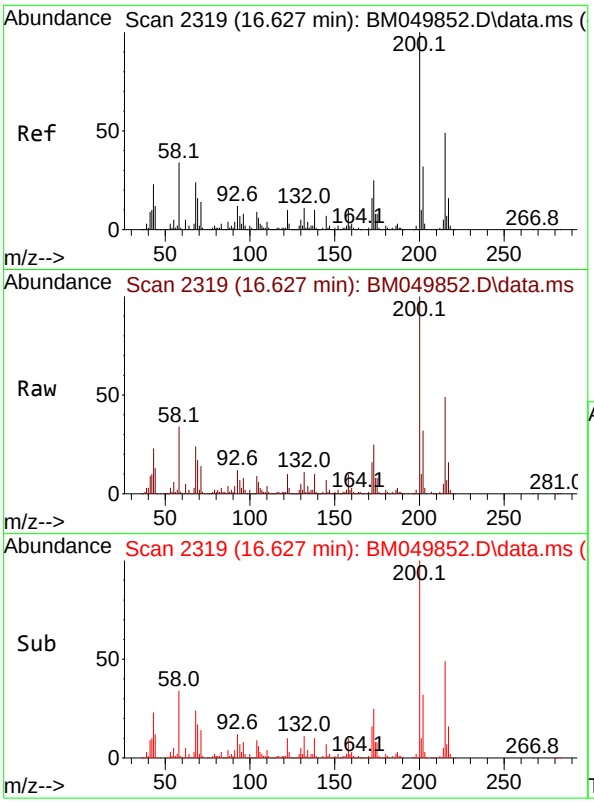


#68
Hexachlorobenzene
Concen: 40.933 ng
RT: 16.480 min Scan# 2294
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:284 Resp: 686665

Ion	Ratio	Lower	Upper
284	100		
142	26.5	21.2	31.8
249	30.1	24.1	36.1



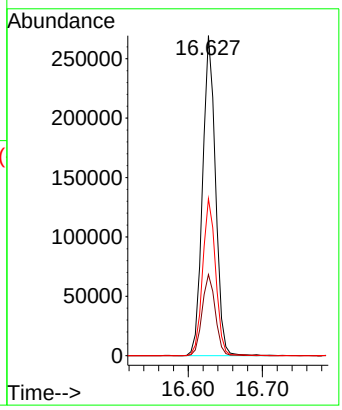


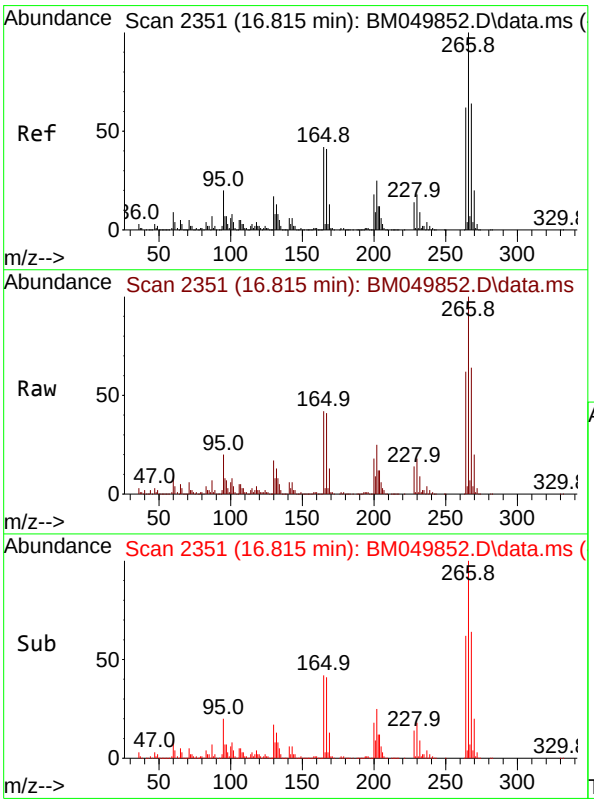
#69
Atrazine
Concen: 33.411 ng
RT: 16.627 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:200 Resp: 326609

Ion	Ratio	Lower	Upper
200	100		
173	25.4	5.4	45.4
215	49.0	29.0	69.0

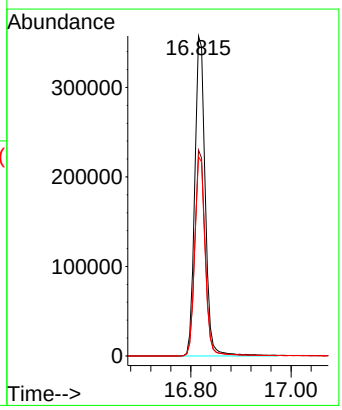


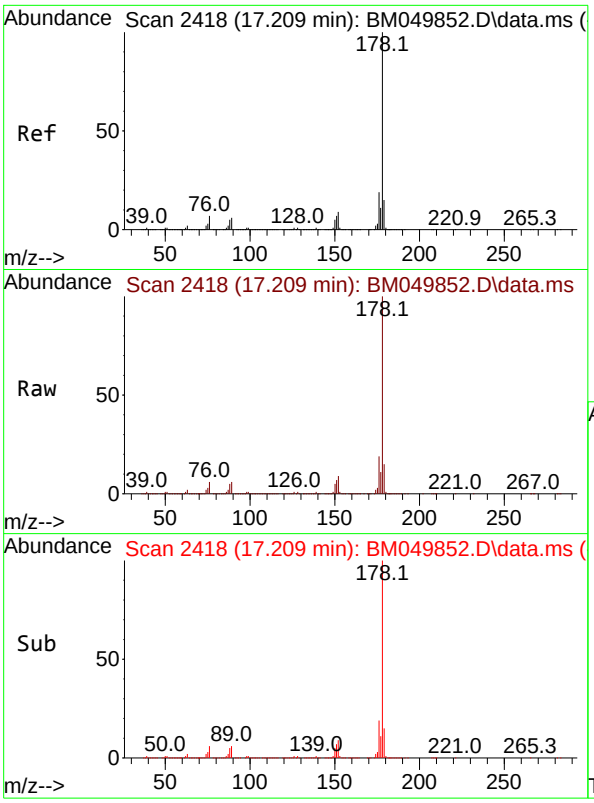


#70
Pentachlorophenol
Concen: 41.678 ng
RT: 16.815 min Scan# 2351
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:266 Resp: 514744

Ion	Ratio	Lower	Upper
266	100		
268	64.3	51.4	77.2
264	62.3	49.8	74.8



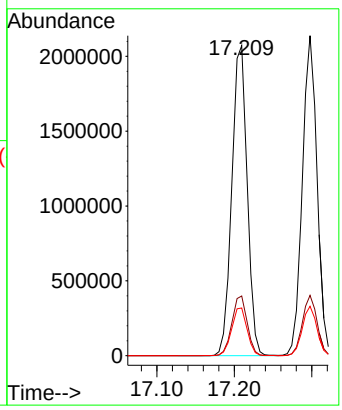


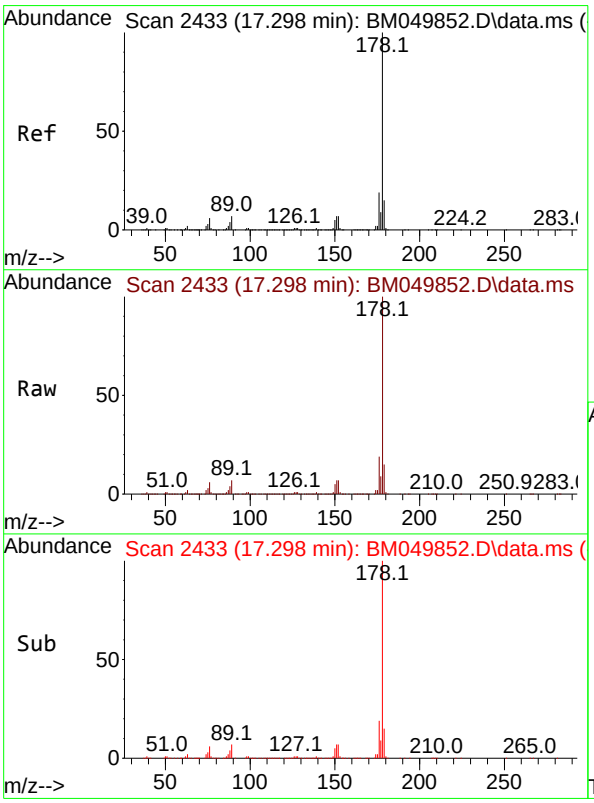
#71
Phenanthrene
Concen: 41.324 ng
RT: 17.209 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:178 Resp: 2854182

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

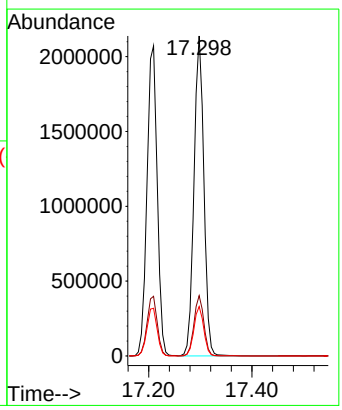


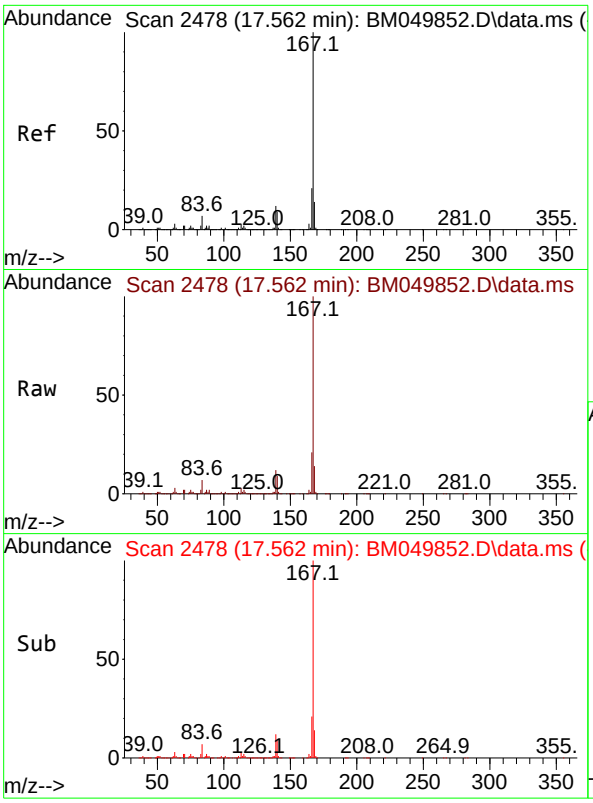


#72
Anthracene
Concen: 41.631 ng
RT: 17.298 min Scan# 2433
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:178 Resp: 2833652

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.1	22.7
179	15.5	12.4	18.6



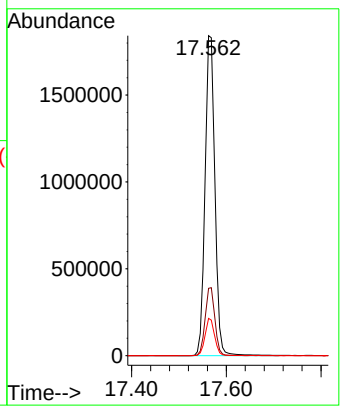


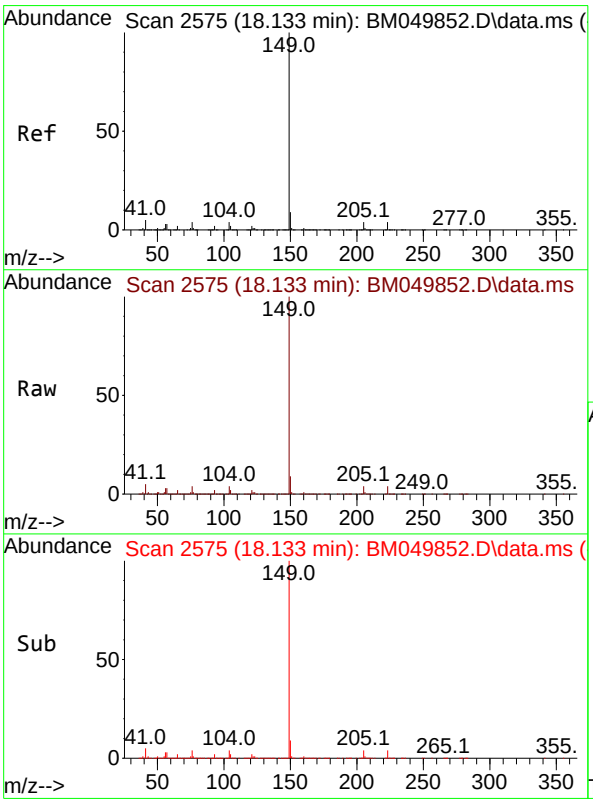
#73
Carbazole
Concen: 41.609 ng
RT: 17.562 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:167 Resp: 2667570

Ion	Ratio	Lower	Upper
167	100		
166	21.1	16.9	25.3
139	11.6	9.3	13.9

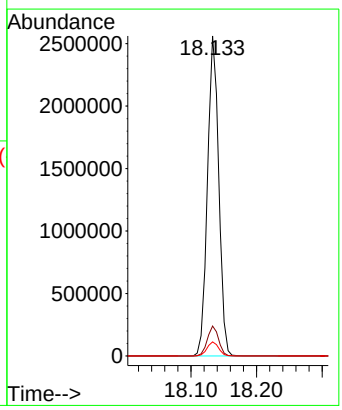


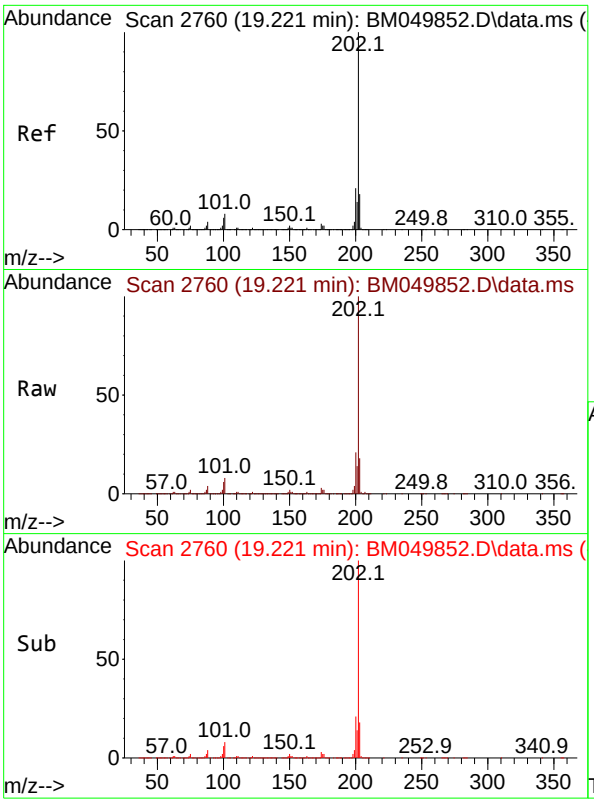


#74
Di-n-butylphthalate
Concen: 41.476 ng
RT: 18.133 min Scan# 2575
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:149 Resp: 3062695

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	4.4	3.5	5.3



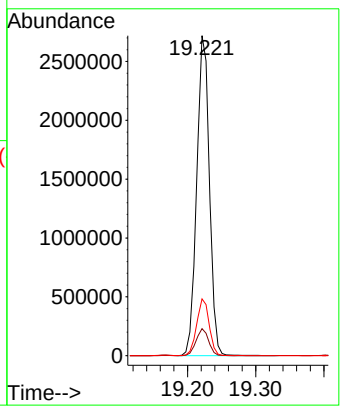


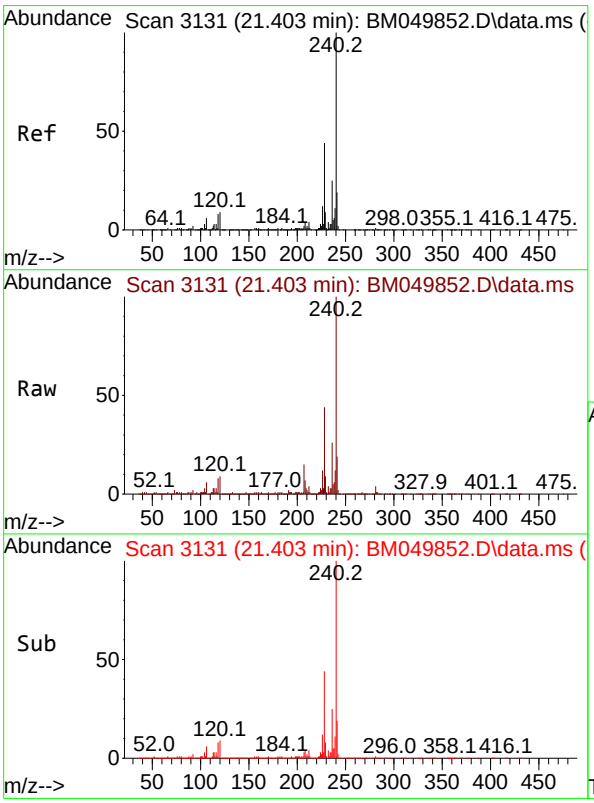
#75
Fluoranthene
Concen: 41.165 ng
RT: 19.221 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:202 Resp: 3495877

Ion	Ratio	Lower	Upper
202	100		
101	8.4	0.0	28.4
203	17.8	0.0	37.8

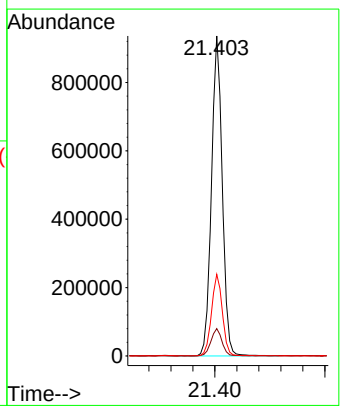


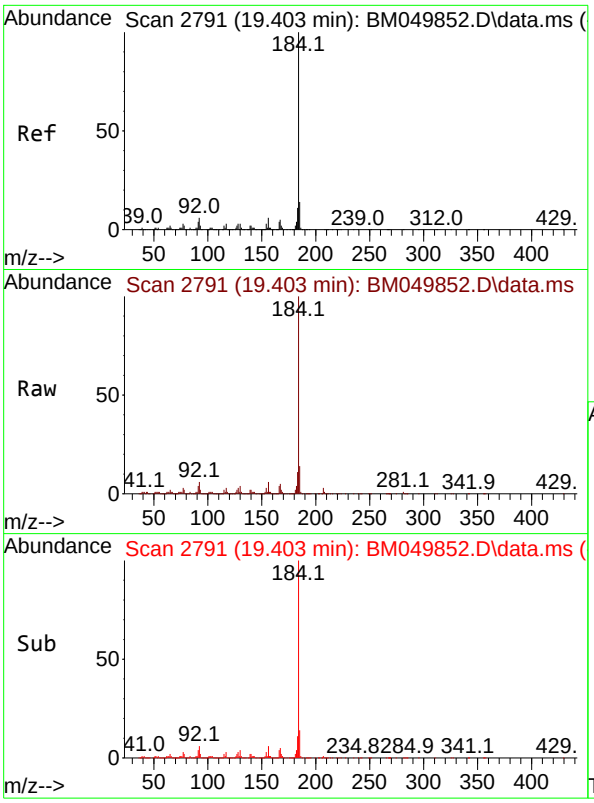


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:240 Resp: 1277117

Ion	Ratio	Lower	Upper
240	100		
120	8.6	6.9	10.3
236	25.5	20.4	30.6



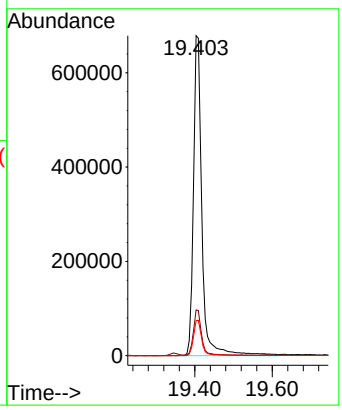


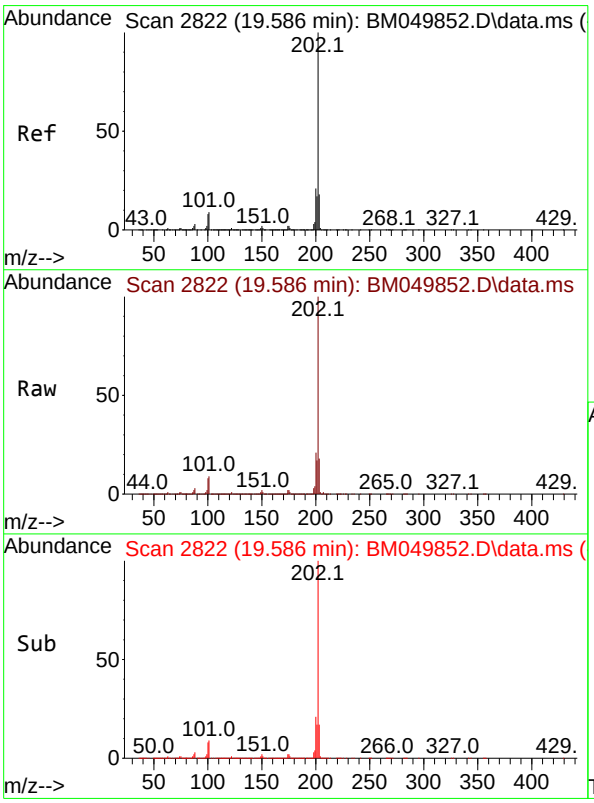
#77
Benzidine
Concen: 60.691 ng
RT: 19.403 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:184 Resp: 1028267

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.4	17.2
183	11.0	8.8	13.2

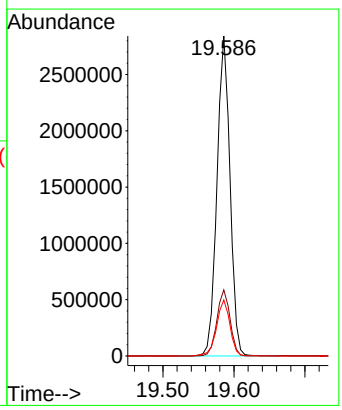


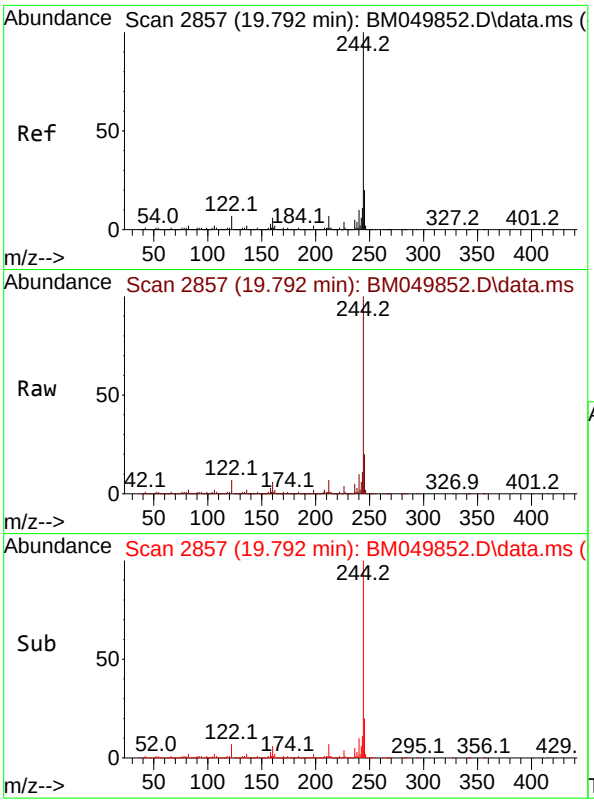


#78
Pyrene
Concen: 40.863 ng
RT: 19.586 min Scan# 2822
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:202 Resp: 3596605

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.5	24.7
203	17.5	14.0	21.0



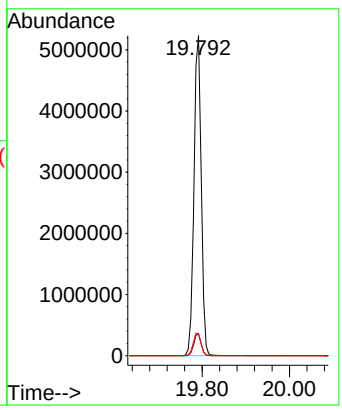


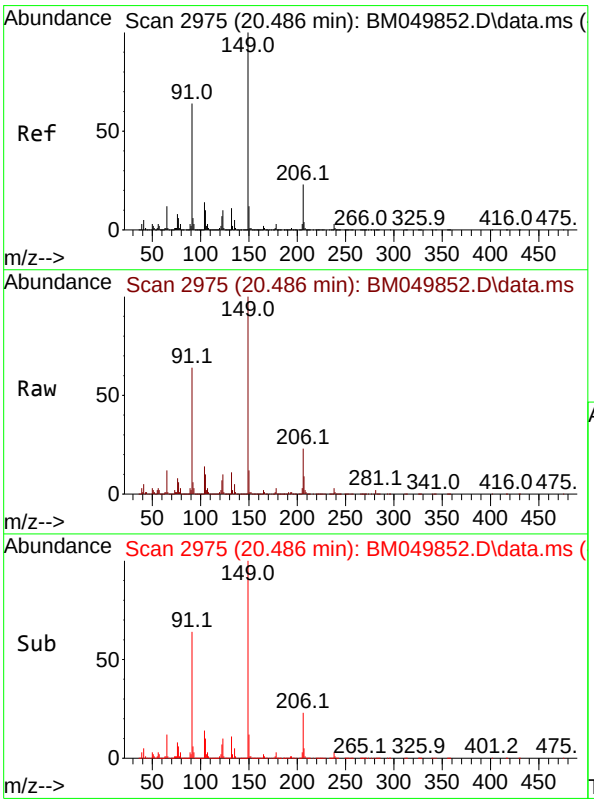
#79
Terphenyl-d14
Concen: 88.947 ng
RT: 19.792 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:244 Resp: 6061535

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.5	8.3
122	6.7	5.4	8.0

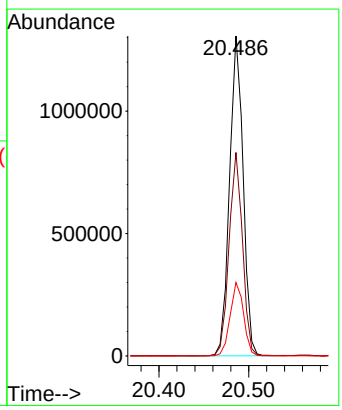


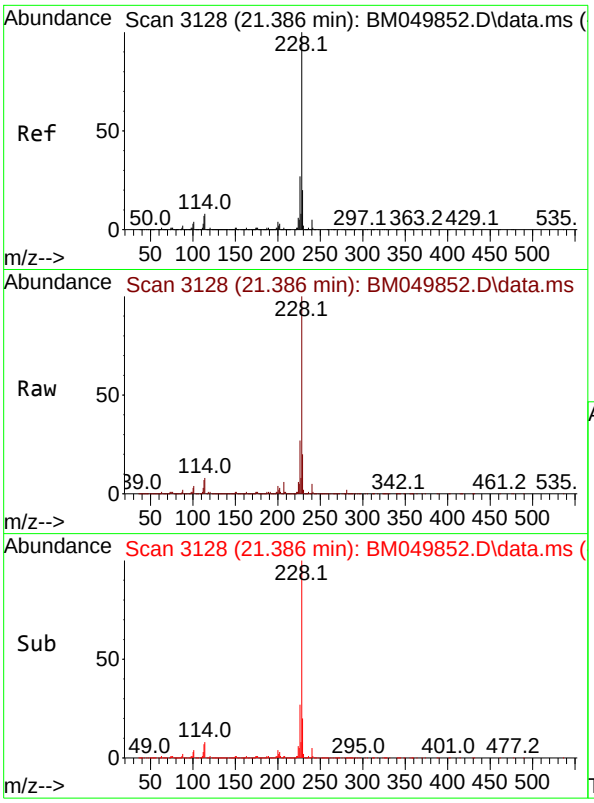


#80
Butylbenzylphthalate
Concen: 41.392 ng
RT: 20.486 min Scan# 2975
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:149 Resp: 1368958

Ion	Ratio	Lower	Upper
149	100		
91	63.6	50.9	76.3
206	23.0	18.4	27.6



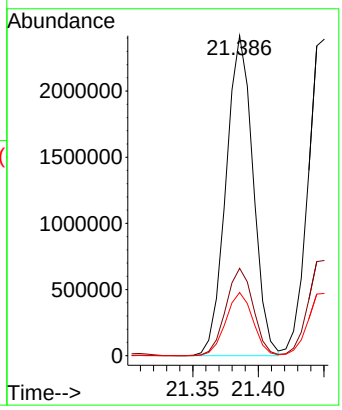


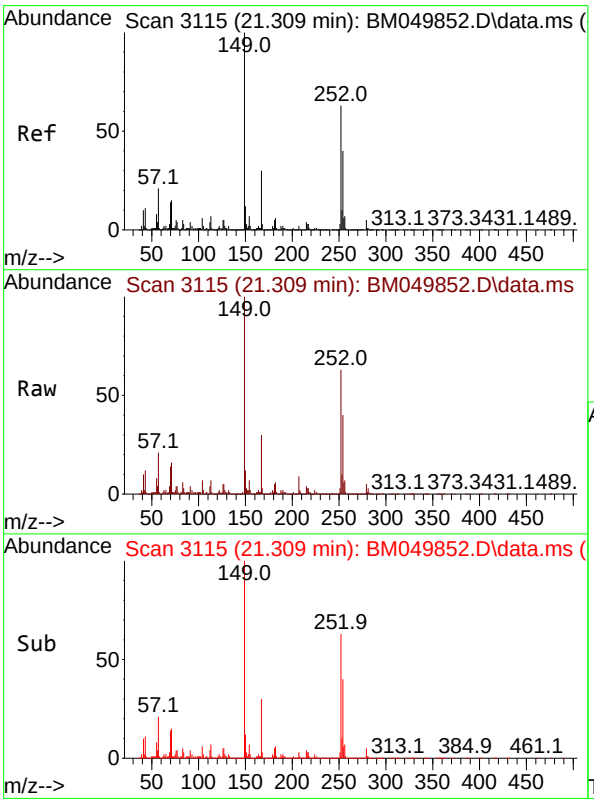
#81
Benzo(a)anthracene
Concen: 40.979 ng
RT: 21.386 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 3478165

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	19.8	15.8	23.8

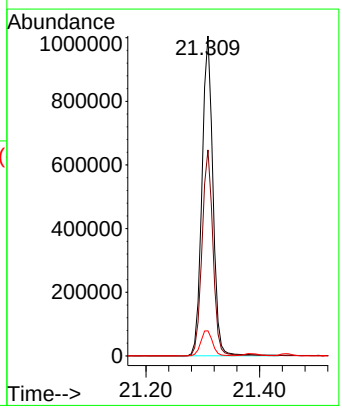


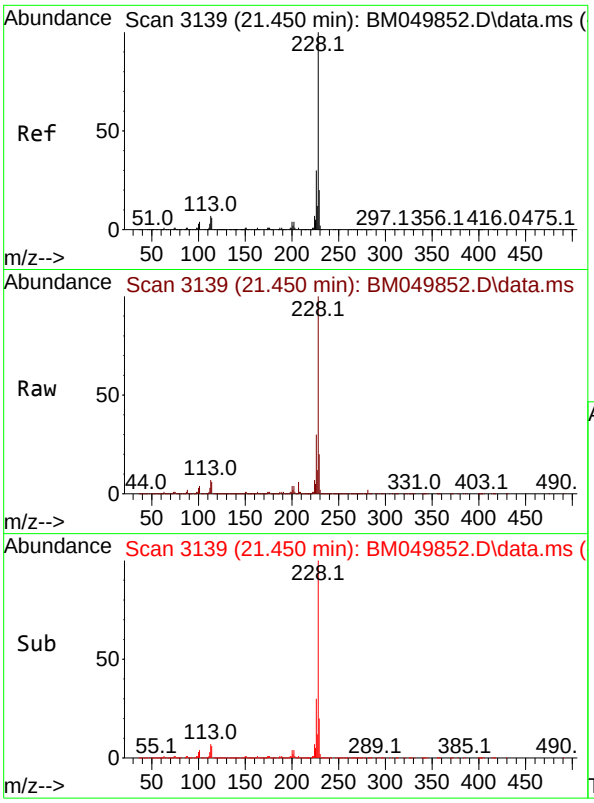


#82
3,3'-Dichlorobenzidine
Concen: 41.880 ng
RT: 21.309 min Scan# 3115
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:252 Resp: 1342391

Ion	Ratio	Lower	Upper
252	100		
254	64.4	51.5	77.3
126	7.9	6.3	9.5



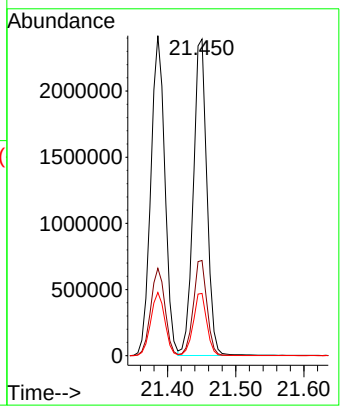


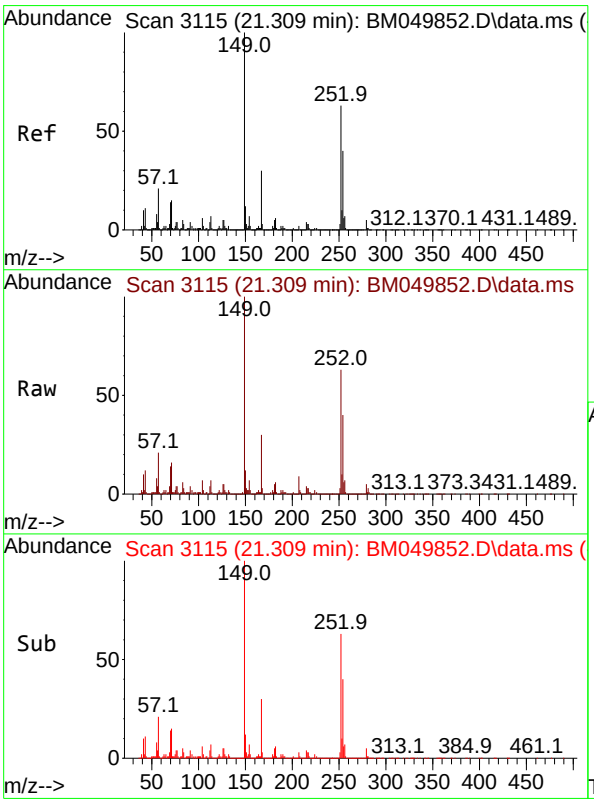
#83
Chrysene
Concen: 40.890 ng
RT: 21.450 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 3299571

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.1	36.1
229	19.7	15.8	23.6

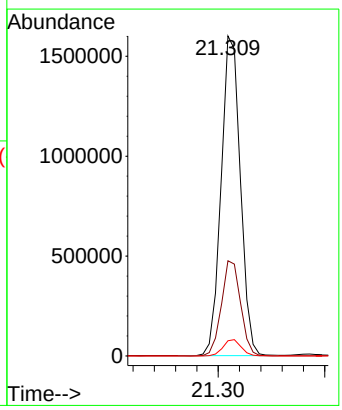


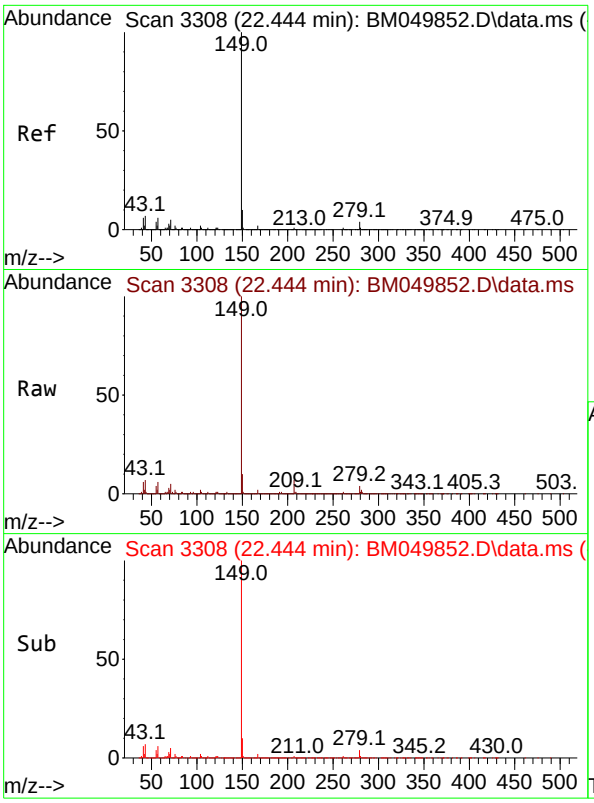


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.512 ng
RT: 21.309 min Scan# 3115
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:149 Resp: 2000260

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



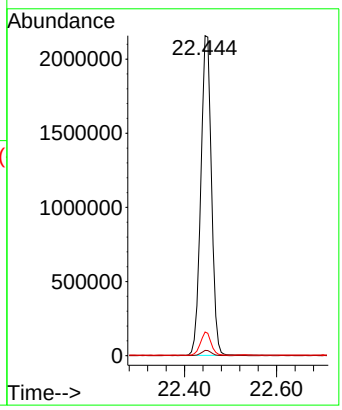


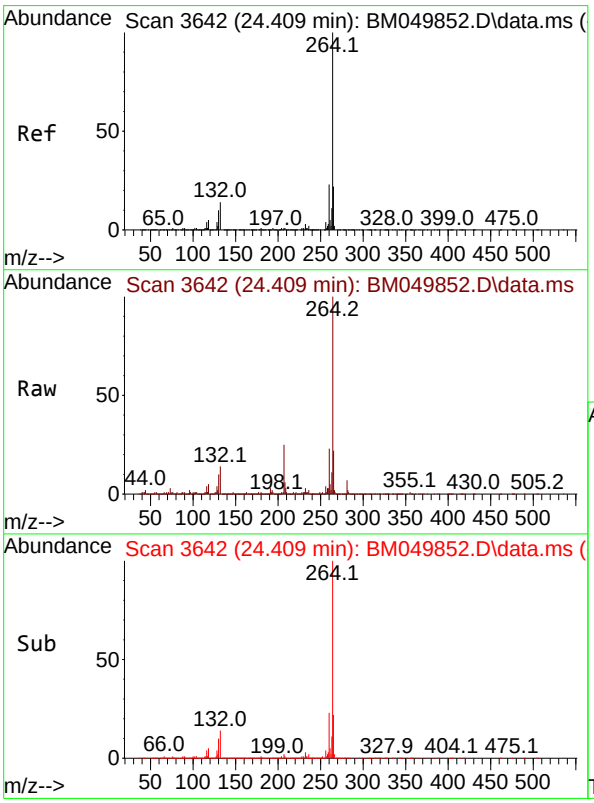
#85
Di-n-octyl phthalate
Concen: 41.276 ng
RT: 22.444 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:149 Resp: 3479444

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.2	5.8	8.6

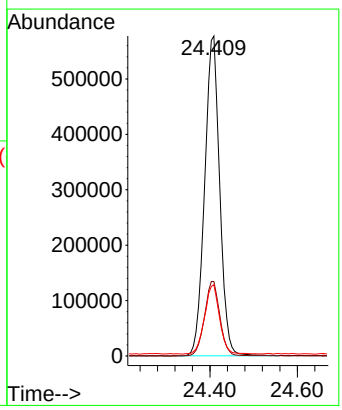


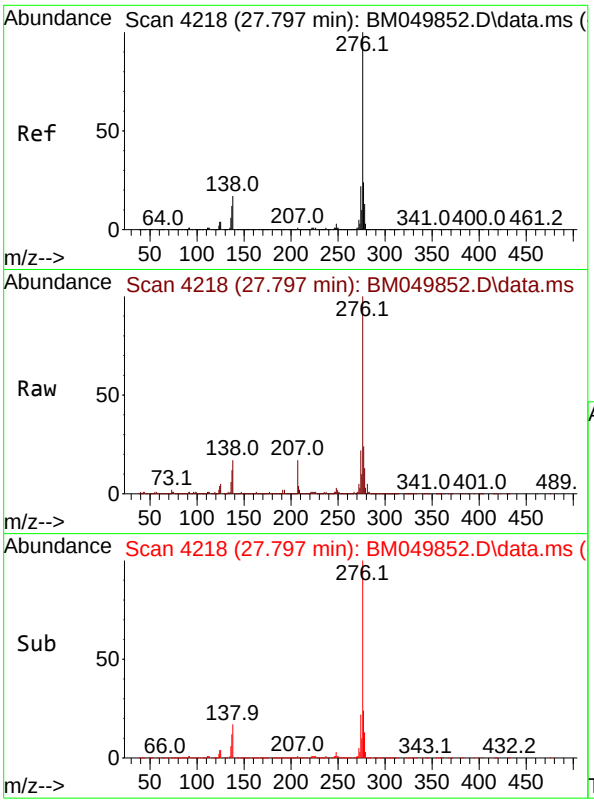


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.409 min Scan# 3642
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:264 Resp: 1383369

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	22.3	17.8	26.8



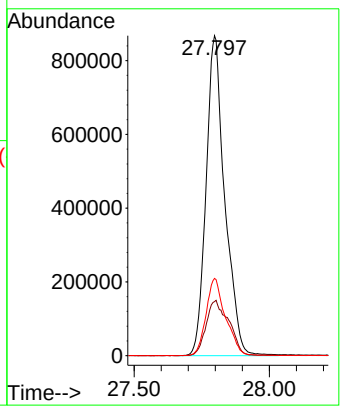


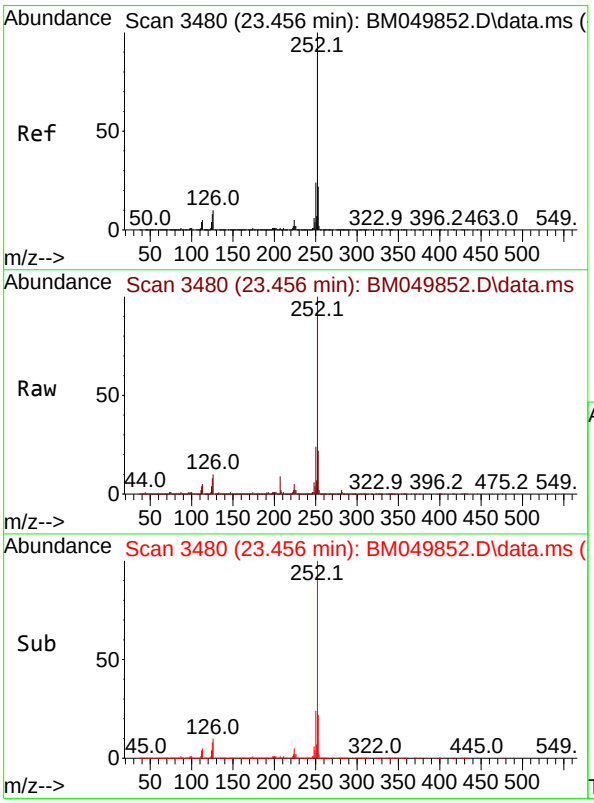
#87
Indeno(1,2,3-cd)pyrene
Concen: 40.421 ng
RT: 27.797 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:276 Resp: 4168171

Ion	Ratio	Lower	Upper
276	100		
138	21.0	16.8	25.2
277	25.1	20.1	30.1

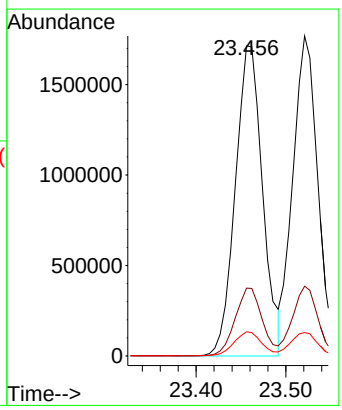


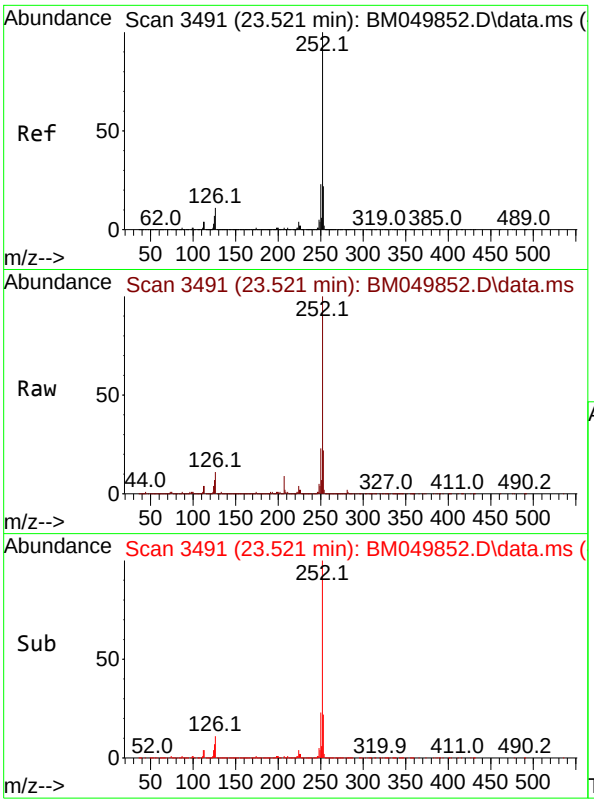


#88
Benzo(b)fluoranthene
Concen: 40.968 ng
RT: 23.456 min Scan# 3480
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:252 Resp: 3619584

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	7.8	6.2	9.4



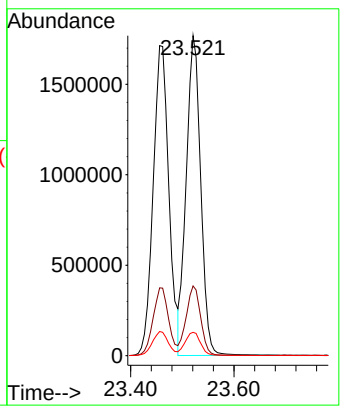


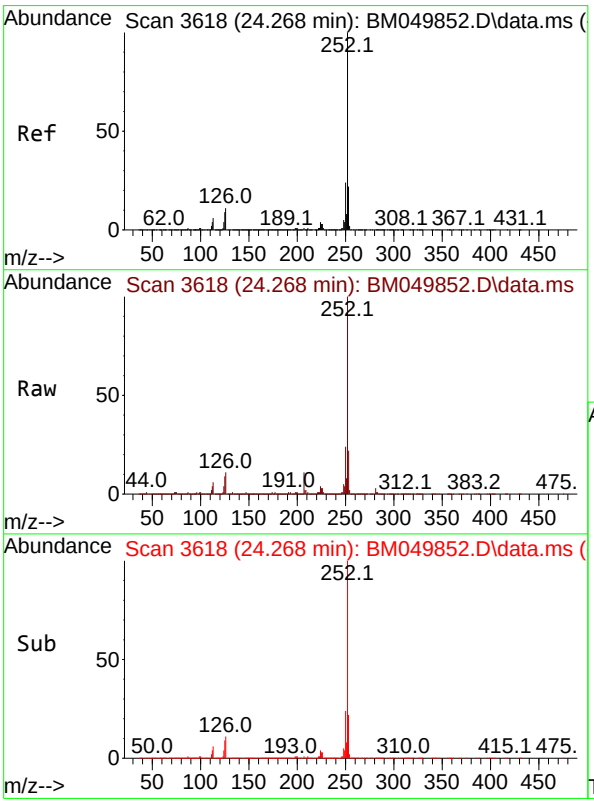
#89
Benzo(k)fluoranthene
Concen: 40.138 ng
RT: 23.521 min Scan# 34
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:252 Resp: 3436549

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	7.3	5.8	8.8

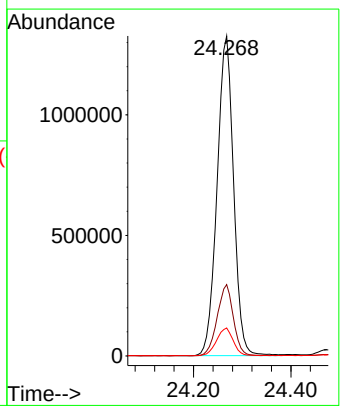


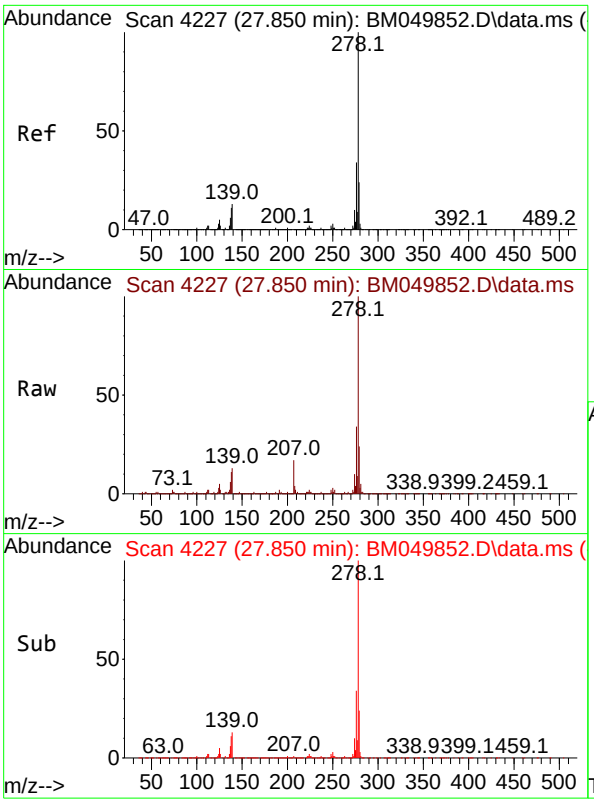


#90
Benzo(a)pyrene
Concen: 40.278 ng
RT: 24.268 min Scan# 3618
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:252 Resp: 3127065

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	8.7	7.0	10.4



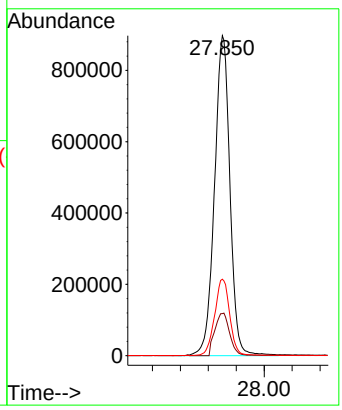


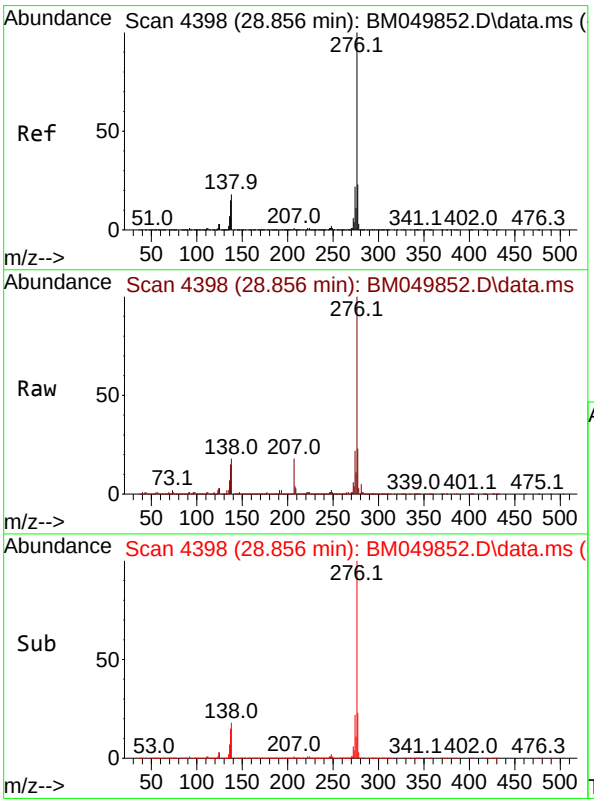
#91
Dibenzo(a,h)anthracene
Concen: 40.519 ng
RT: 27.850 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 3441534

Ion	Ratio	Lower	Upper
278	100		
139	13.2	10.6	15.8
279	23.9	19.1	28.7

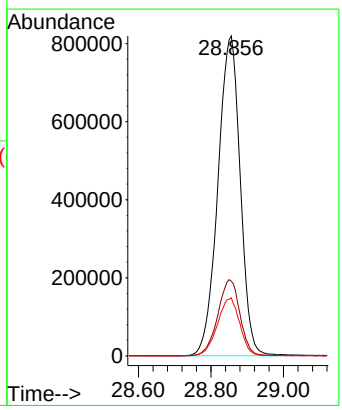




#92
Benzo(g,h,i)perylene
Concen: 40.326 ng
RT: 28.856 min Scan# 4398
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:276 Resp: 3500110

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.7	28.1
138	18.2	14.6	21.8



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049853.D
Acq On : 08 Apr 2025 17:30
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Quant Time: Apr 09 03:02:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.781	152	389192	20.000	ng		0.00
21) Naphthalene-d8	10.575	136	1287434	20.000	ng		0.00
39) Acenaphthene-d10	14.421	164	808126	20.000	ng		0.00
64) Phenanthrene-d10	17.162	188	1599813	20.000	ng		0.00
76) Chrysene-d12	21.403	240	1661195	20.000	ng		0.00
86) Perylene-d12	24.409	264	1751474	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.363	112	2266168	98.875	ng		0.00
7) Phenol-d6	6.951	99	2789069	97.806	ng		0.00
23) Nitrobenzene-d5	8.939	82	2323989	100.519	ng		0.00
42) 2,4,6-Tribromophenol	15.909	330	1205724	102.576	ng		0.00
45) 2-Fluorobiphenyl	13.045	172	6004539	100.754	ng		0.00
79) Terphenyl-d14	19.792	244	9482895	106.980	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.263	88	472538	50.062	ng		99
3) Pyridine	3.663	79	1241357	50.075	ng		99
4) n-Nitrosodimethylamine	3.569	42	470712	49.875	ng		100
6) Aniline	7.104	93	1121872	45.913	ng		99
8) 2-Chlorophenol	7.345	128	1141976	48.619	ng		99
9) Benzaldehyde	6.916	77	692302	47.349	ng		99
10) Phenol	6.981	94	1356163	48.734	ng		98
11) bis(2-Chloroethyl)ether	7.204	93	1066103	48.854	ng		100
12) 1,3-Dichlorobenzene	7.669	146	1379847	49.689	ng		98
13) 1,4-Dichlorobenzene	7.816	146	1373896	49.170	ng		100
14) 1,2-Dichlorobenzene	8.134	146	1288439	48.956	ng		99
15) Benzyl Alcohol	8.022	79	879326	48.969	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.316	45	1159497	47.671	ng		99
17) 2-Methylphenol	8.228	107	827157	48.234	ng		99
18) Hexachloroethane	8.857	117	472771	48.633	ng		99
19) n-Nitroso-di-n-propyla...	8.586	70	771317	48.837	ng		100
20) 3+4-Methylphenols	8.551	107	1138439	48.694	ng		100
22) Acetophenone	8.598	105	1550166	49.544	ng	#	99
24) Nitrobenzene	8.981	77	1111675	49.935	ng		98
25) Isophorone	9.504	82	1926268	49.735	ng		100
26) 2-Nitrophenol	9.686	139	611215	51.801	ng		99
27) 2,4-Dimethylphenol	9.757	122	682677	51.053	ng		98
28) bis(2-Chloroethoxy)met...	9.986	93	1283751	49.510	ng		99
29) 2,4-Dichlorophenol	10.227	162	1124321	50.582	ng		99
30) 1,2,4-Trichlorobenzene	10.439	180	1285402	49.988	ng		99
31) Naphthalene	10.622	128	3278244	49.555	ng		99
32) Benzoic acid	9.904	122	773909	46.956	ng		96
33) 4-Chloroaniline	10.733	127	1155438	49.463	ng		98
34) Hexachlorobutadiene	10.916	225	800154	50.305	ng		99
35) Caprolactam	11.522	113	317444	49.794	ng		98
36) 4-Chloro-3-methylphenol	11.869	107	973959	50.022	ng		99
37) 2-Methylnaphthalene	12.239	142	2320947	49.796	ng		99
38) 1-Methylnaphthalene	12.457	142	2263493	49.847	ng		99
40) 1,2,4,5-Tetrachloroben...	12.610	216	1436460	50.808	ng		99
41) Hexachlorocyclopentadiene	12.592	237	526124	53.108	ng		98
43) 2,4,6-Trichlorophenol	12.851	196	907433	50.440	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049853.D
Acq On : 08 Apr 2025 17:30
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Quant Time: Apr 09 03:02:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

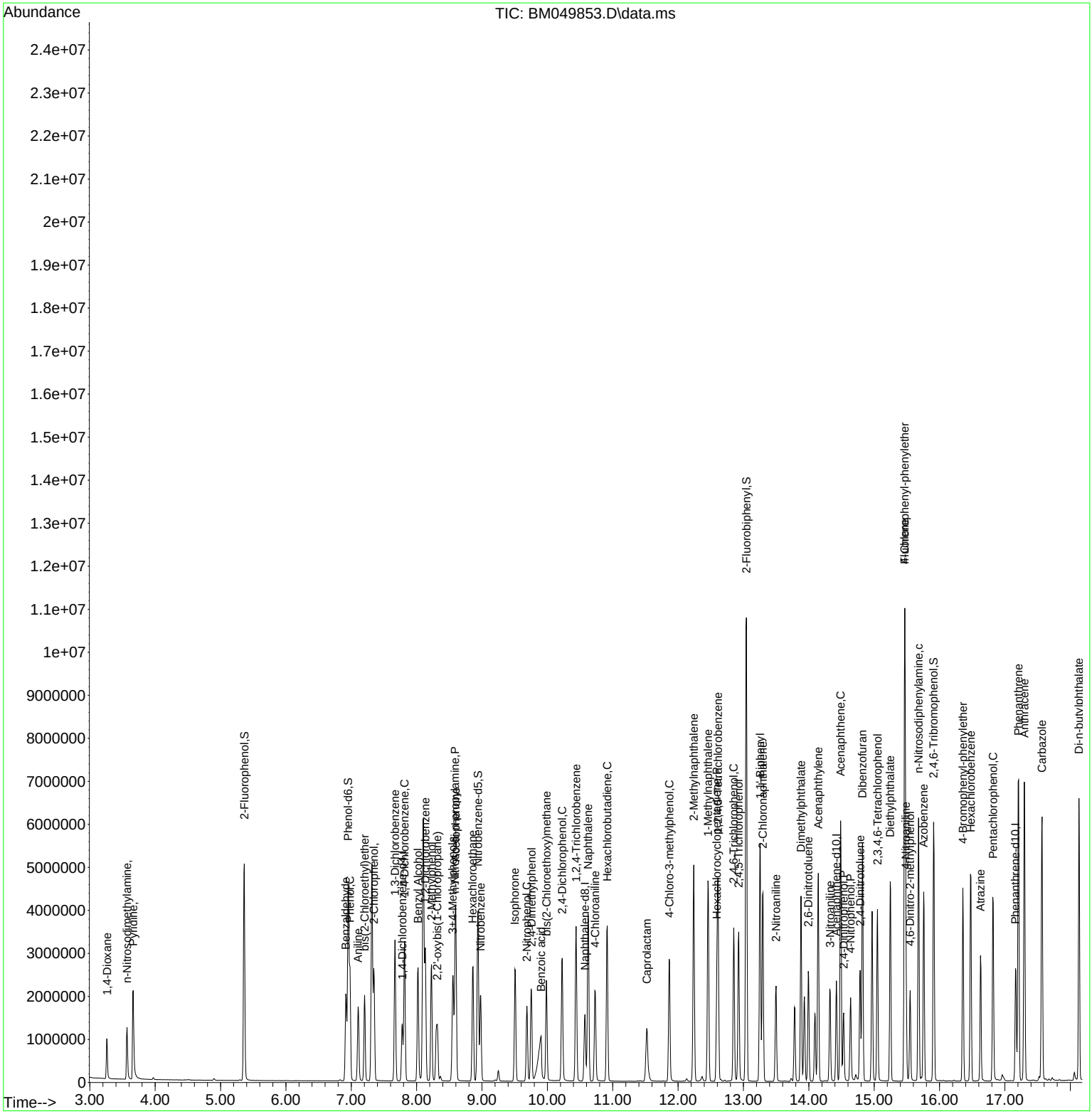
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.927	196	976092	49.927	ng	99
46) 1,1'-Biphenyl	13.257	154	2990362	49.778	ng	100
47) 2-Chloronaphthalene	13.298	162	2349832	49.767	ng	99
48) 2-Nitroaniline	13.498	65	568681	52.061	ng	98
49) Acenaphthylene	14.145	152	3456837	50.260	ng	100
50) Dimethylphthalate	13.880	163	2850200	49.993	ng	99
51) 2,6-Dinitrotoluene	13.992	165	616905	51.646	ng	99
52) Acenaphthene	14.486	154	2199854	50.284	ng	100
53) 3-Nitroaniline	14.327	138	595646	51.595	ng	94
54) 2,4-Dinitrophenol	14.533	184	391855	48.434	ng	98
55) Dibenzofuran	14.821	168	3667823	50.151	ng	99
56) 4-Nitrophenol	14.639	139	550813	53.540	ng	98
57) 2,4-Dinitrotoluene	14.786	165	847929	53.211	ng	95
58) Fluorene	15.468	166	2942325	50.613	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.051	232	848529	49.519	ng	98
60) Diethylphthalate	15.245	149	2722291	49.792	ng	99
61) 4-Chlorophenyl-phenyle...	15.468	204	1598783	51.296	ng	98
62) 4-Nitroaniline	15.486	138	638370	53.470	ng	100
63) Azobenzene	15.757	77	2357839	50.372	ng	99
65) 4,6-Dinitro-2-methylph...	15.551	198	531880	52.759	ng	99
66) n-Nitrosodiphenylamine	15.680	169	2406908	50.273	ng	100
67) 4-Bromophenyl-phenylether	16.357	248	946616	50.970	ng	98
68) Hexachlorobenzene	16.480	284	1072736	50.357	ng	99
69) Atrazine	16.627	200	567392	45.708	ng	99
70) Pentachlorophenol	16.821	266	786228	50.132	ng	99
71) Phenanthrene	17.209	178	4416317	50.352	ng	100
72) Anthracene	17.298	178	4394410	50.841	ng	100
73) Carbazole	17.568	167	4149752	50.973	ng	99
74) Di-n-butylphthalate	18.133	149	4702392	50.149	ng	100
75) Fluoranthene	19.221	202	5578449	51.729	ng	99
77) Benzidine	19.403	184	677381	30.737	ng	100
78) Pyrene	19.586	202	5785386	50.533	ng	100
80) Butylbenzylphthalate	20.486	149	2121299	49.311	ng	98
81) Benzo(a)anthracene	21.386	228	5586396	50.600	ng	100
82) 3,3'-Dichlorobenzidine	21.309	252	2142953	51.399	ng	99
83) Chrysene	21.450	228	5305401	50.547	ng	99
84) Bis(2-ethylhexyl)phtha...	21.309	149	3073374	49.035	ng	98
85) Di-n-octyl phthalate	22.444	149	5429342	49.516	ng	100
87) Indeno(1,2,3-cd)pyrene	27.797	276	6670738	51.094	ng	99
88) Benzo(b)fluoranthene	23.462	252	5751381	51.416	ng	99
89) Benzo(k)fluoranthene	23.527	252	5530993	51.024	ng	100
90) Benzo(a)pyrene	24.268	252	5052750	51.404	ng	98
91) Dibenzo(a,h)anthracene	27.856	278	5509091	51.229	ng	99
92) Benzo(g,h,i)perylene	28.862	276	5555532	50.555	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049853.D
Acq On : 08 Apr 2025 17:30
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

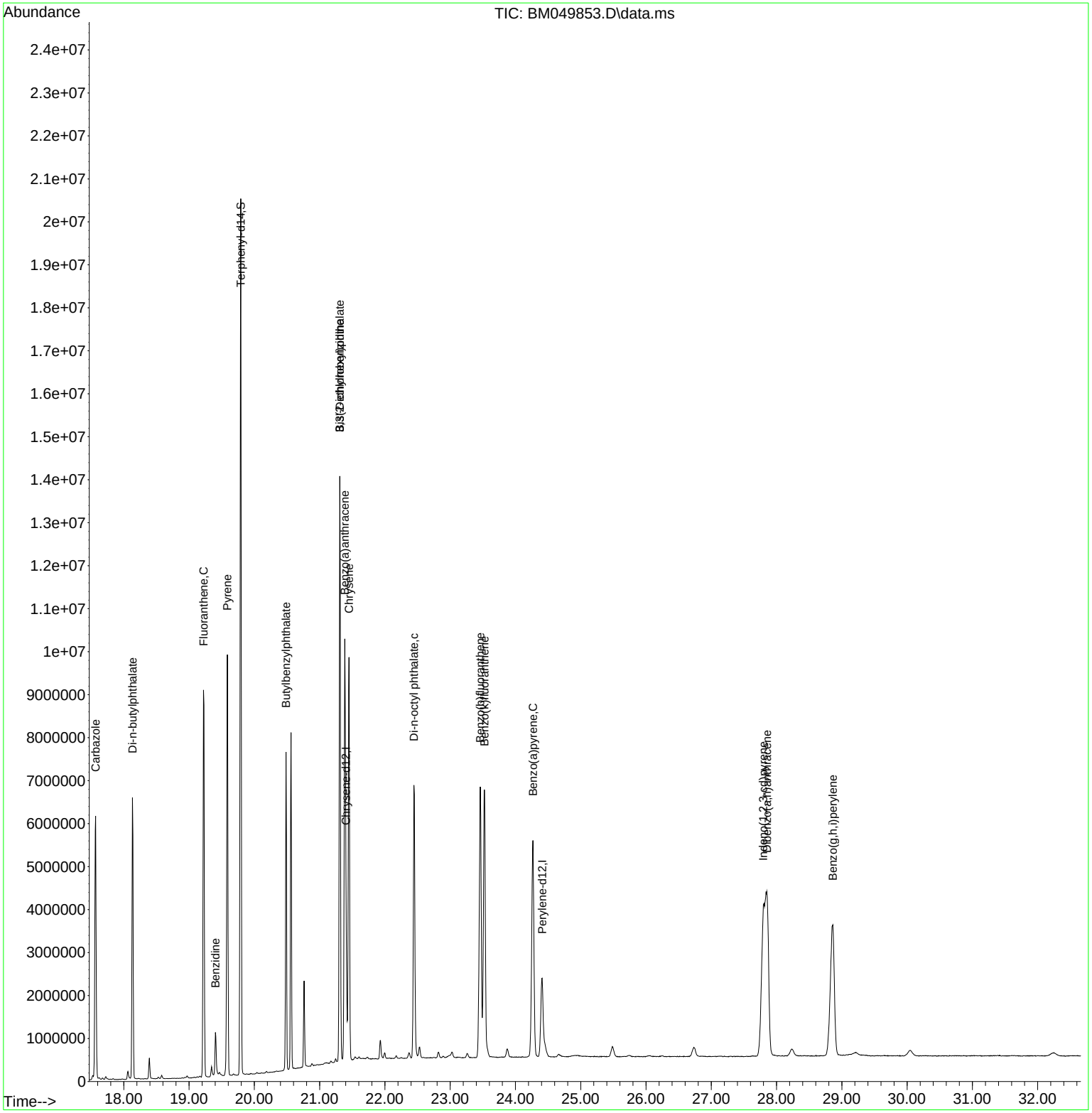
Quant Time: Apr 09 03:02:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

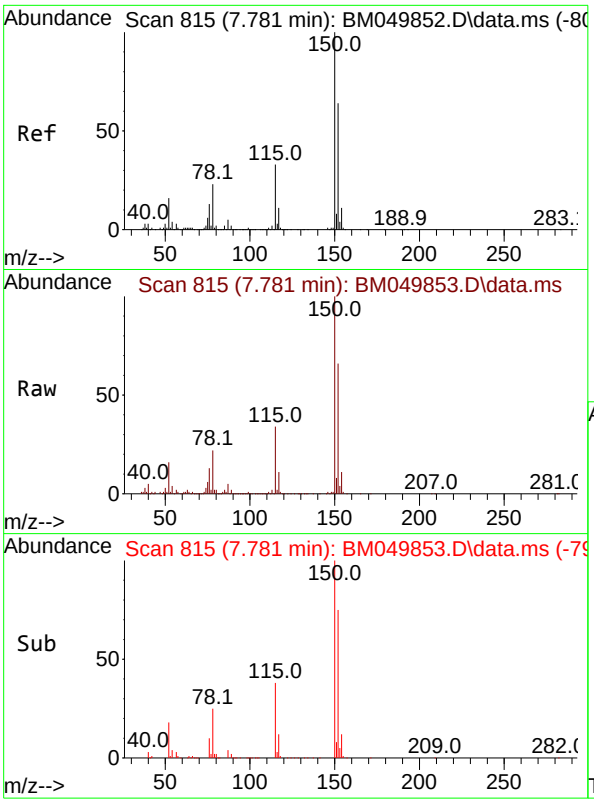


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049853.D
Acq On : 08 Apr 2025 17:30
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Quant Time: Apr 09 03:02:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration



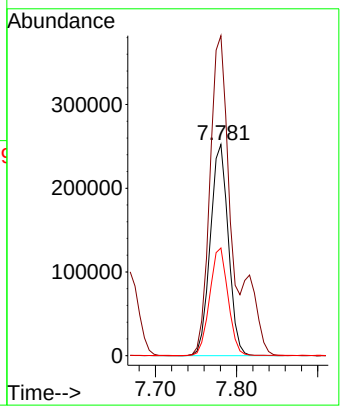


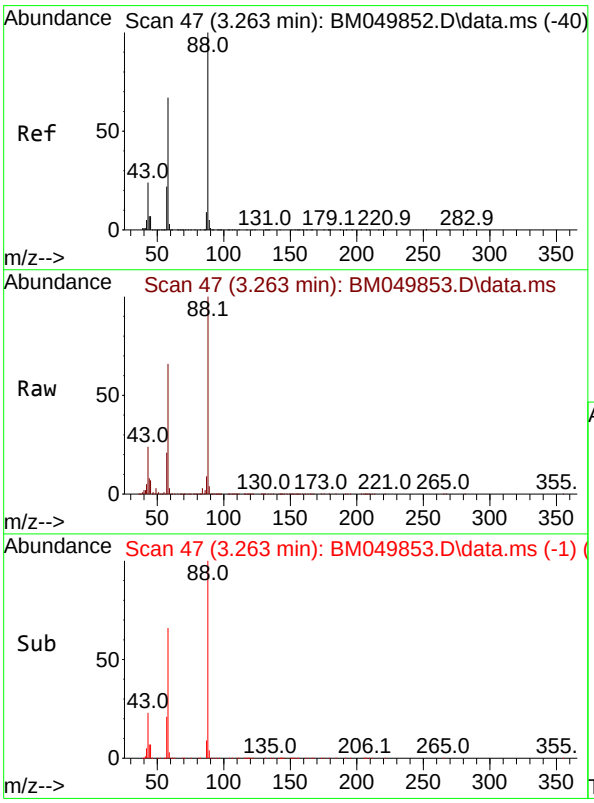
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.781 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 389192

Ion	Ratio	Lower	Upper
152	100		
150	151.5	124.3	186.5
115	51.0	41.1	61.7

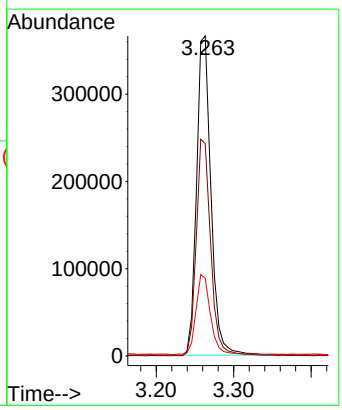


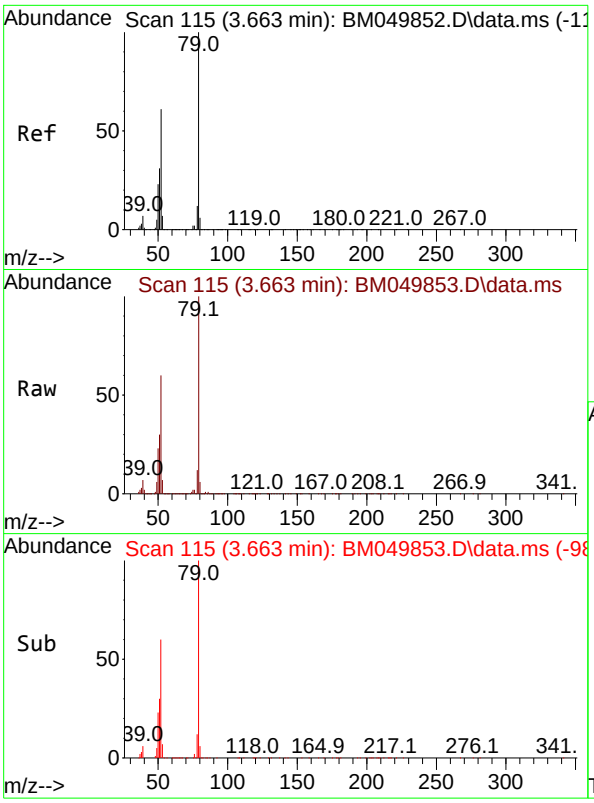


#2
1,4-Dioxane
Concen: 50.062 ng
RT: 3.263 min Scan# 47
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion: 88 Resp: 472538

Ion	Ratio	Lower	Upper
88	100		
58	68.1	54.1	81.1
43	25.1	20.2	30.4



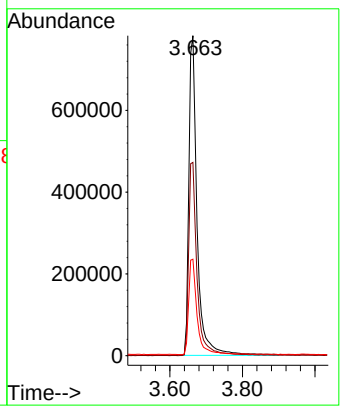


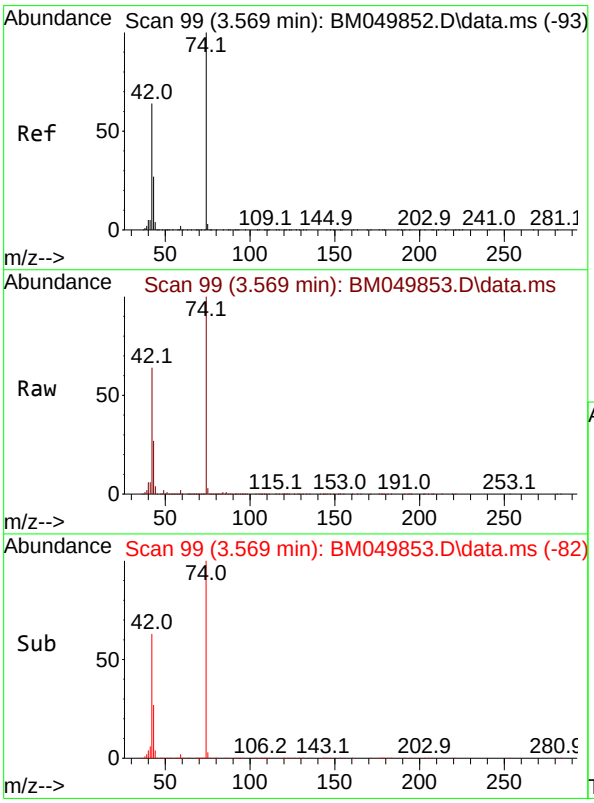
#3
Pyridine
Concen: 50.075 ng
RT: 3.663 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 1241357

Ion	Ratio	Lower	Upper
79	100		
52	60.4	48.9	73.3
51	30.1	25.0	37.6

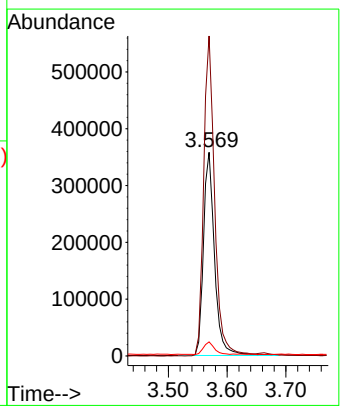


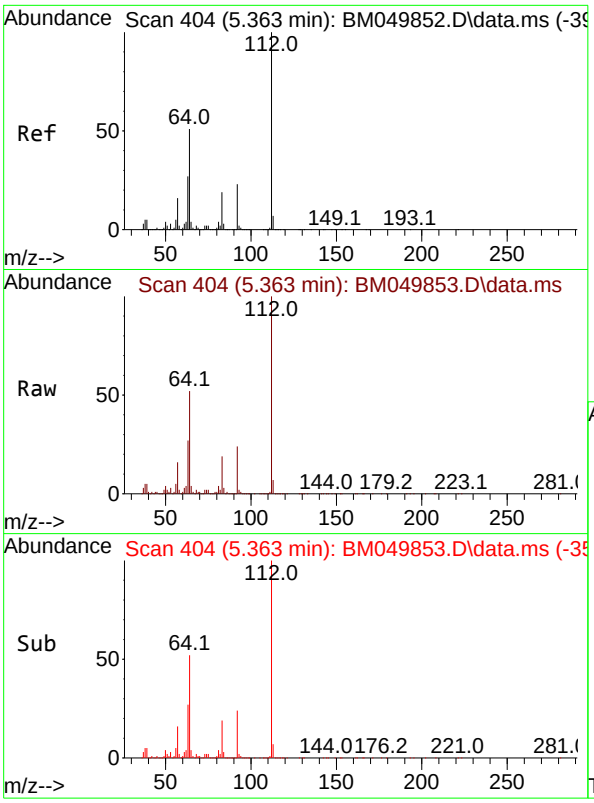


#4
n-Nitrosodimethylamine
Concen: 49.875 ng
RT: 3.569 min Scan# 99
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion: 42 Resp: 470712

Ion	Ratio	Lower	Upper
42	100		
74	157.1	125.4	188.2
44	6.9	5.9	8.9



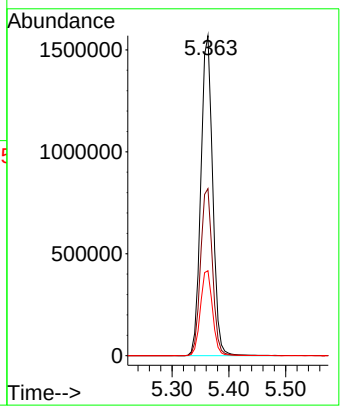


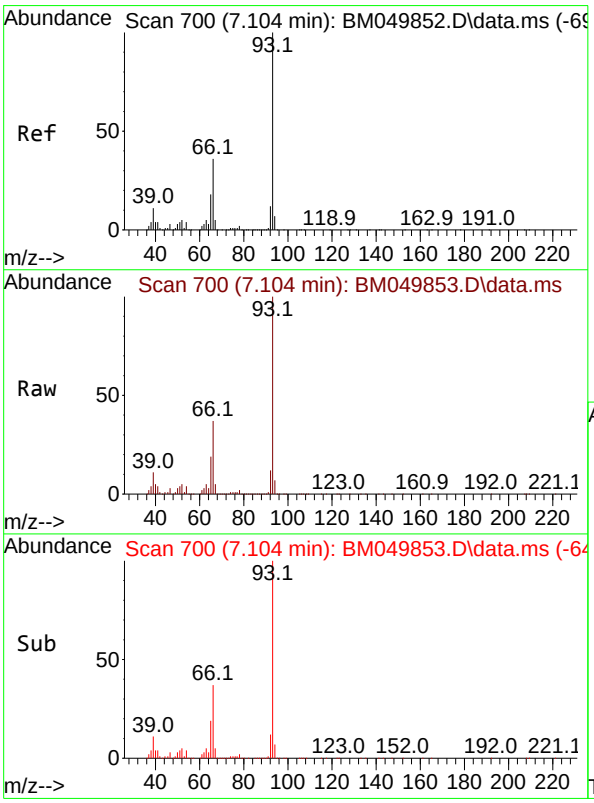
#5
2-Fluorophenol
Concen: 98.875 ng
RT: 5.363 min Scan# 4
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:112 Resp: 2266168

Ion	Ratio	Lower	Upper
112	100		
64	52.2	41.0	61.6
63	26.6	21.5	32.3

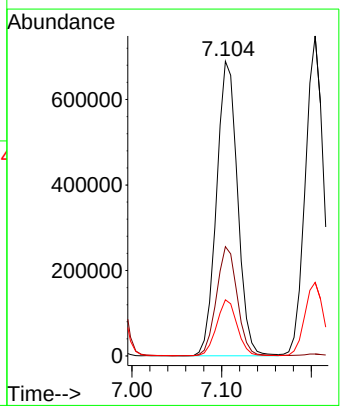


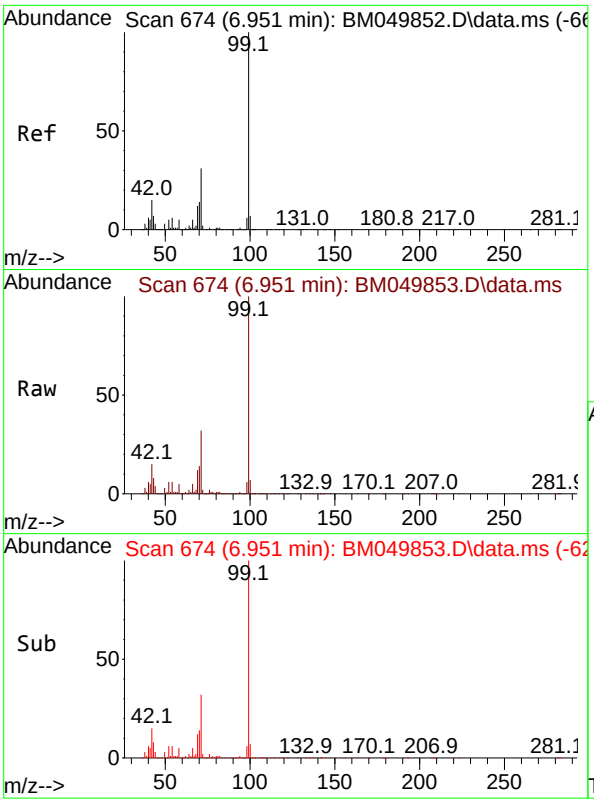


#6
Aniline
Concen: 45.913 ng
RT: 7.104 min Scan# 700
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion: 93 Resp: 1121872

Ion	Ratio	Lower	Upper
93	100		
66	37.1	29.1	43.7
65	19.1	14.9	22.3



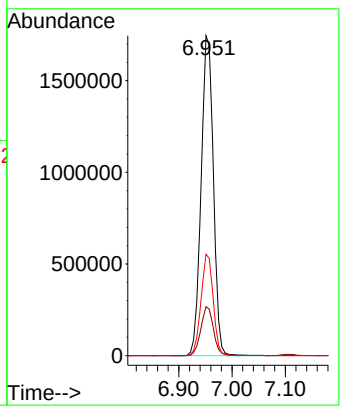


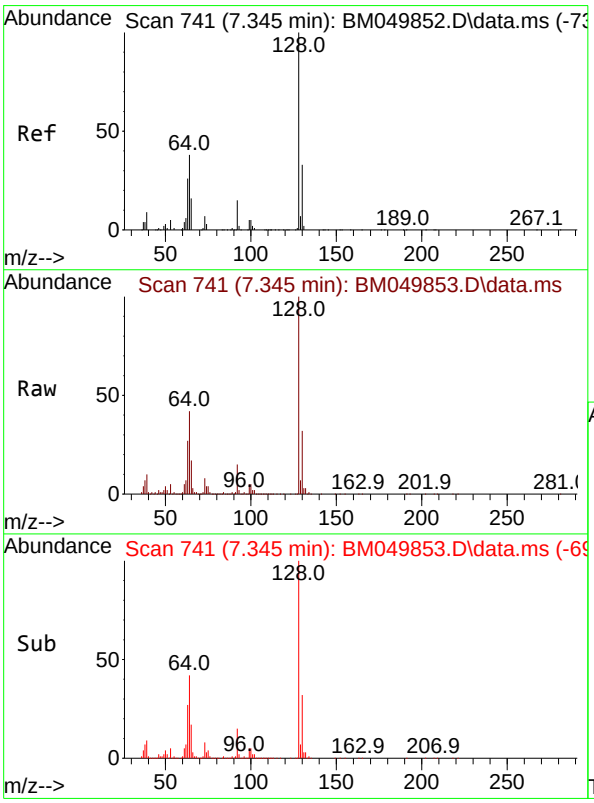
#7
Phenol-d6
Concen: 97.806 ng
RT: 6.951 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 2789069

Ion	Ratio	Lower	Upper
99	100		
42	15.3	12.1	18.1
71	31.7	24.9	37.3

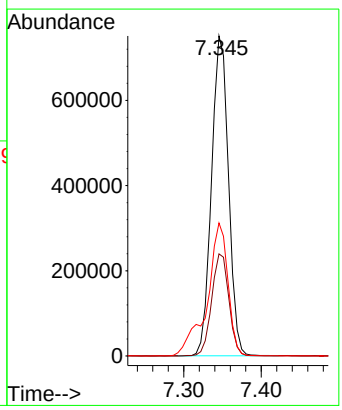


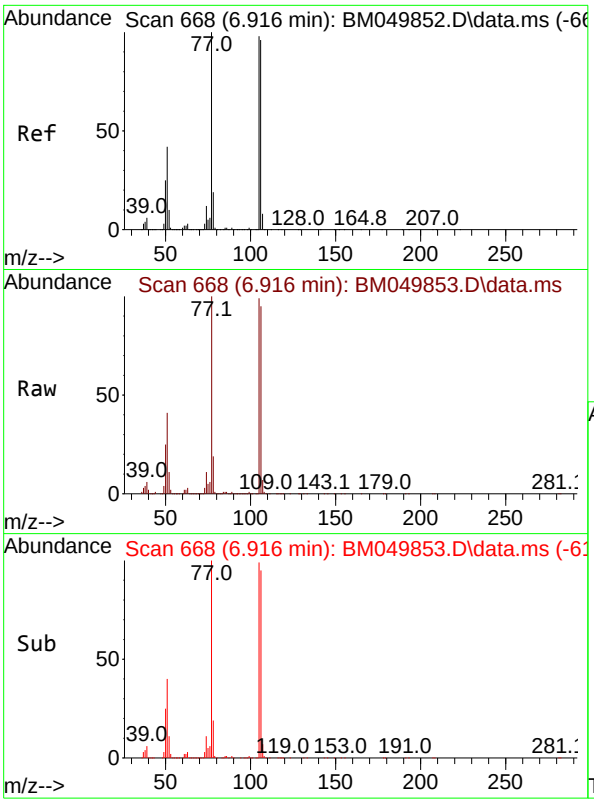


#8
2-Chlorophenol
Concen: 48.619 ng
RT: 7.345 min Scan# 741
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:128 Resp: 1141976

Ion	Ratio	Lower	Upper
128	100		
130	31.9	12.6	52.6
64	41.5	21.1	61.1



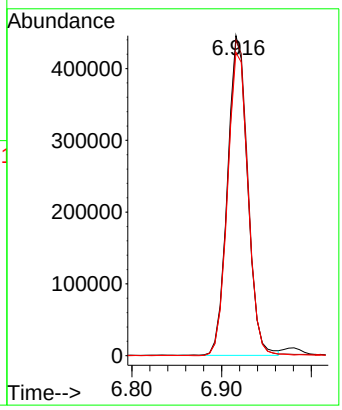


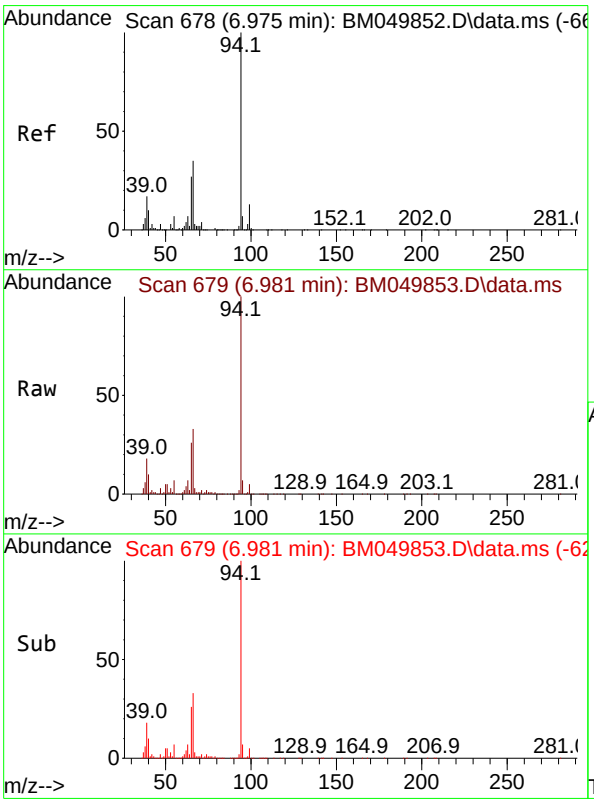
#9
Benzaldehyde
Concen: 47.349 ng
RT: 6.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 692302

Ion	Ratio	Lower	Upper
77	100		
105	98.6	78.3	118.3
106	94.8	76.0	116.0

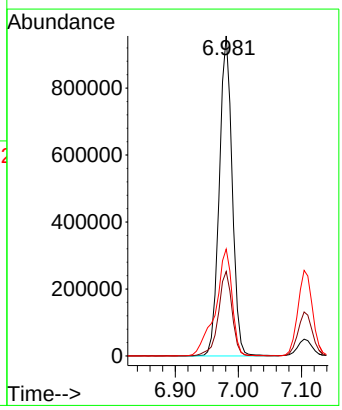


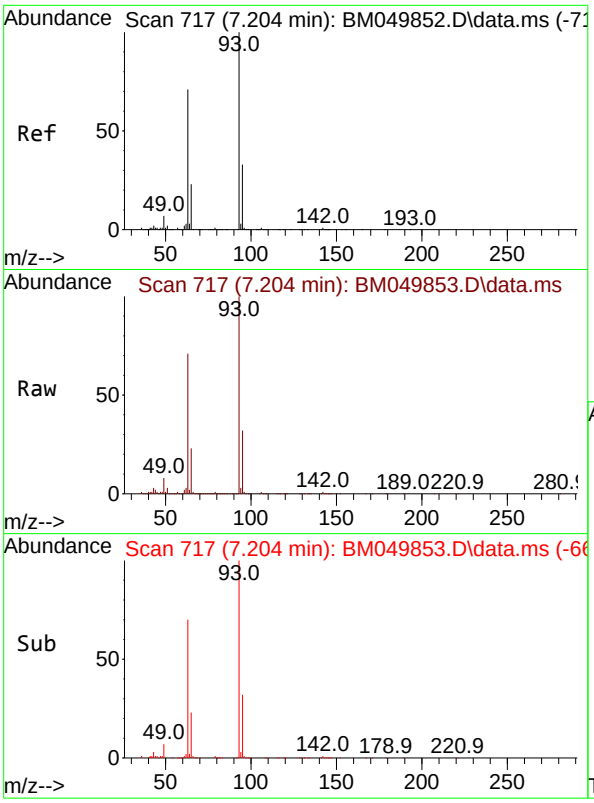


#10
Phenol
Concen: 48.734 ng
RT: 6.981 min Scan# 679
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion: 94 Resp: 1356163

Ion	Ratio	Lower	Upper
94	100		
65	26.4	7.3	47.3
66	33.4	14.8	54.8



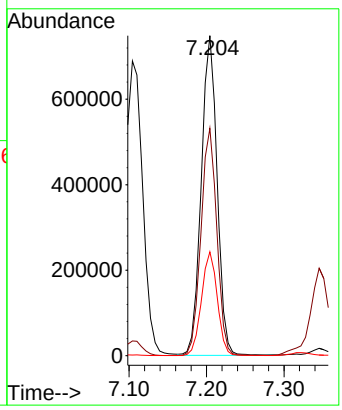


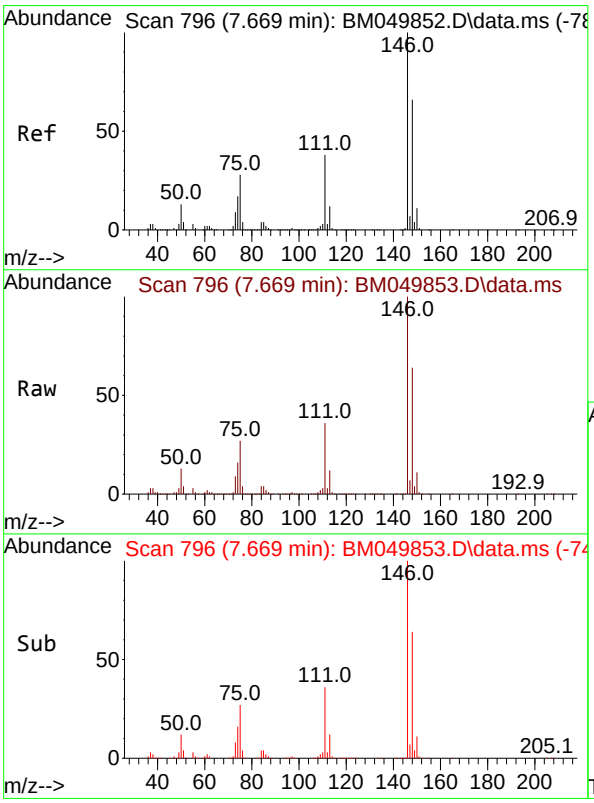
#11
bis(2-Chloroethyl)ether
Concen: 48.854 ng
RT: 7.204 min Scan# 71
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 1066103

Ion	Ratio	Lower	Upper
93	100		
63	71.0	50.9	90.9
95	32.4	12.6	52.6

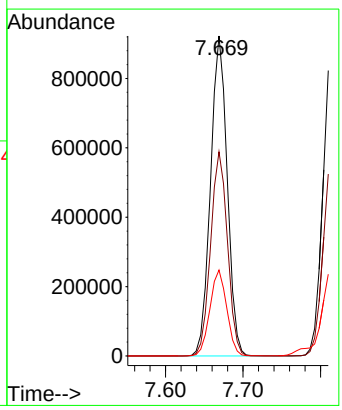


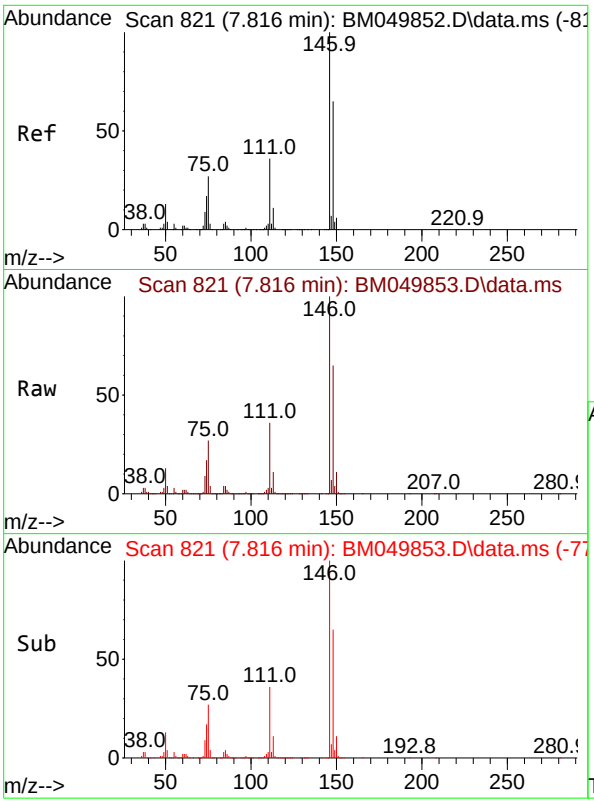


#12
1,3-Dichlorobenzene
Concen: 49.689 ng
RT: 7.669 min Scan# 796
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:146 Resp: 1379847

Ion	Ratio	Lower	Upper
146	100		
148	63.8	52.5	78.7
75	26.8	22.5	33.7



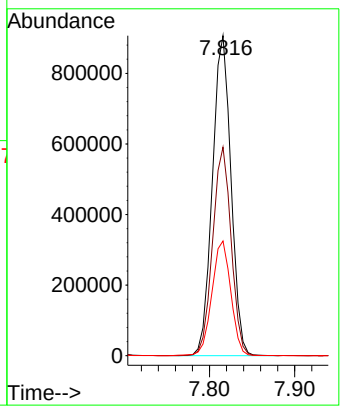


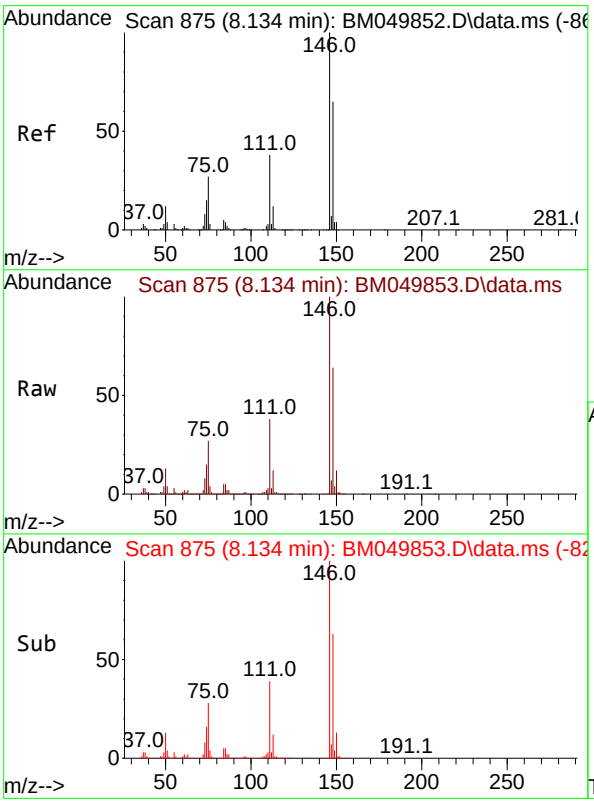
#13
1,4-Dichlorobenzene
Concen: 49.170 ng
RT: 7.816 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:146 Resp: 1373896

Ion	Ratio	Lower	Upper
146	100		
148	65.2	52.4	78.6
111	35.8	28.5	42.7

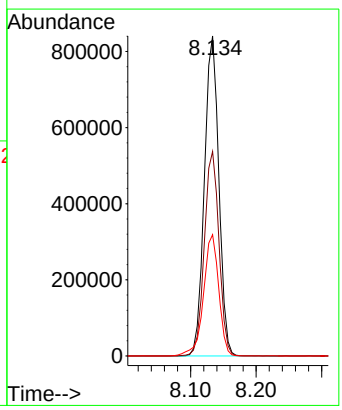


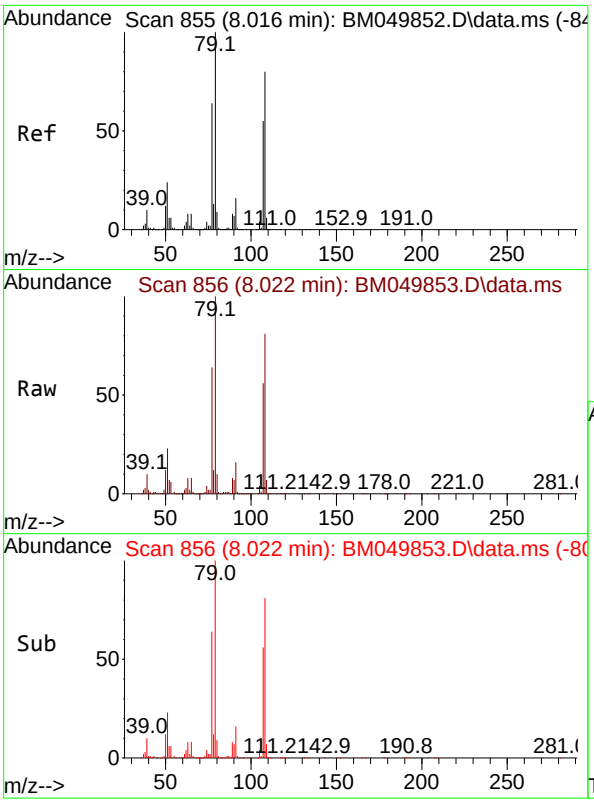


#14
1,2-Dichlorobenzene
Concen: 48.956 ng
RT: 8.134 min Scan# 875
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:146 Resp: 1288439

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.8	77.8
111	37.9	30.2	45.4



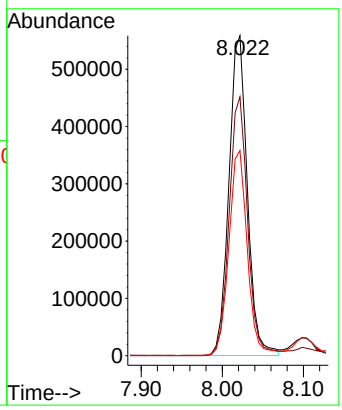


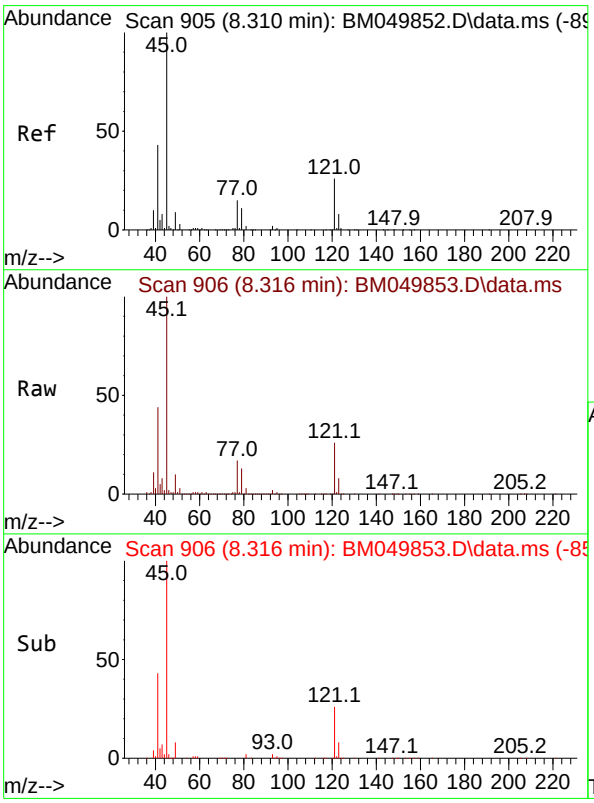
#15
Benzyl Alcohol
Concen: 48.969 ng
RT: 8.022 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 879326

Ion	Ratio	Lower	Upper
79	100		
108	80.9	63.6	95.4
77	64.1	51.3	76.9

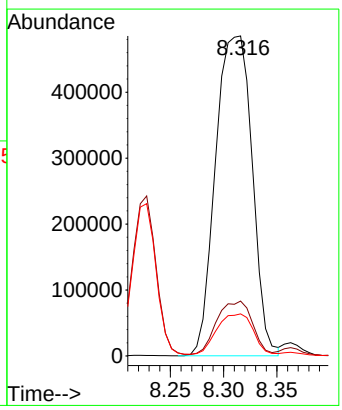


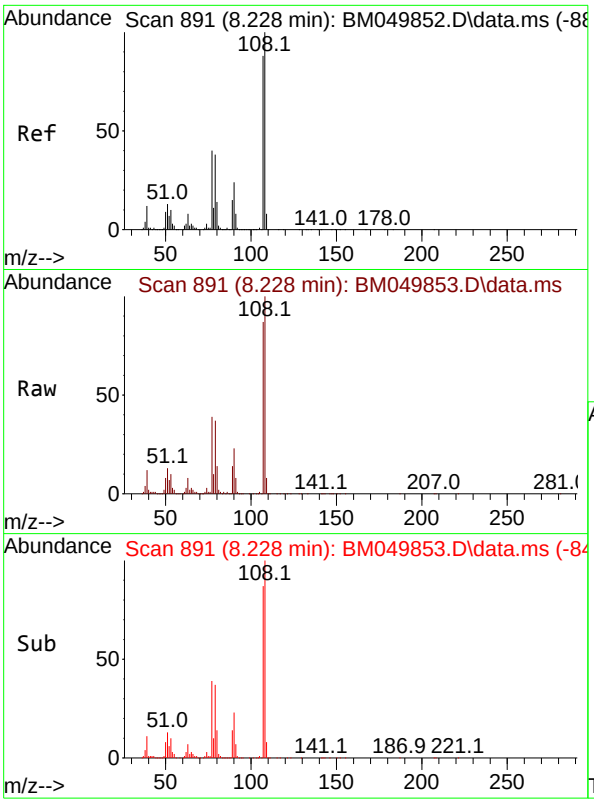


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.671 ng
RT: 8.316 min Scan# 906
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion: 45 Resp: 1159497

Ion	Ratio	Lower	Upper
45	100		
77	17.1	0.0	36.9
79	13.1	0.0	32.9



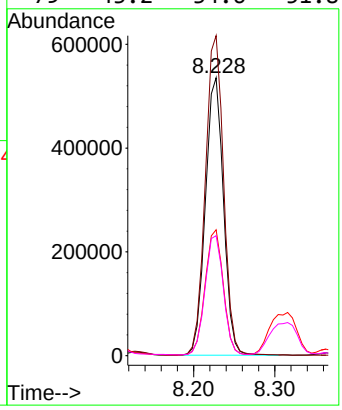


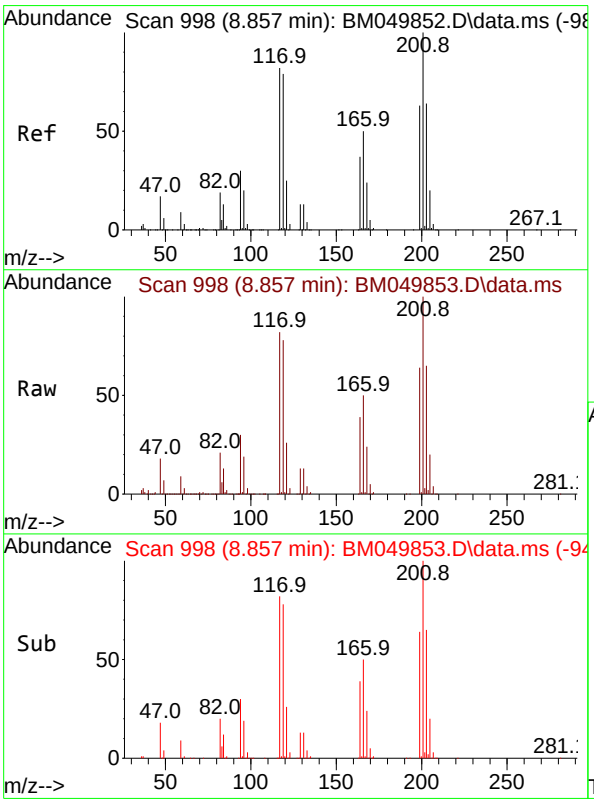
#17
2-Methylphenol
Concen: 48.234 ng
RT: 8.228 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 827157

Ion	Ratio	Lower	Upper
107	100		
108	115.1	91.0	136.6
77	45.3	36.5	54.7
79	43.2	34.6	51.8

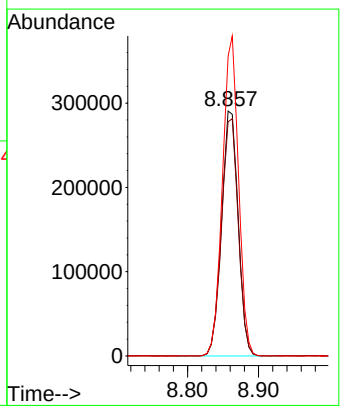


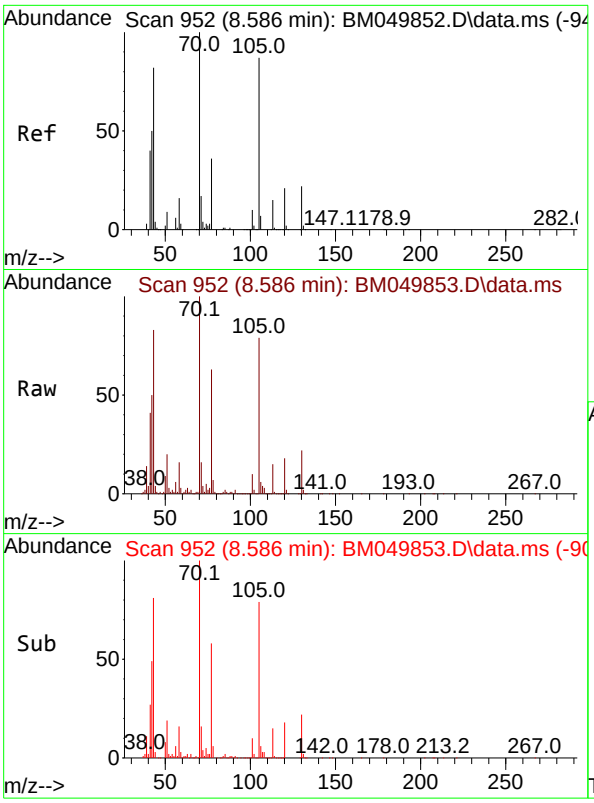


#18
Hexachloroethane
Concen: 48.633 ng
RT: 8.857 min Scan# 998
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:117 Resp: 472771

Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.5	116.3
201	122.3	97.7	146.5



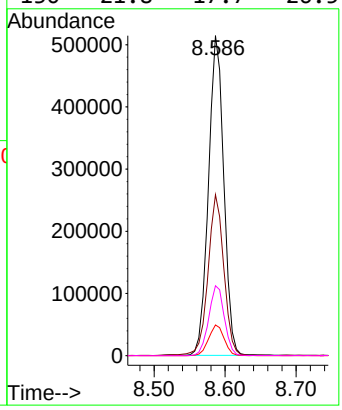


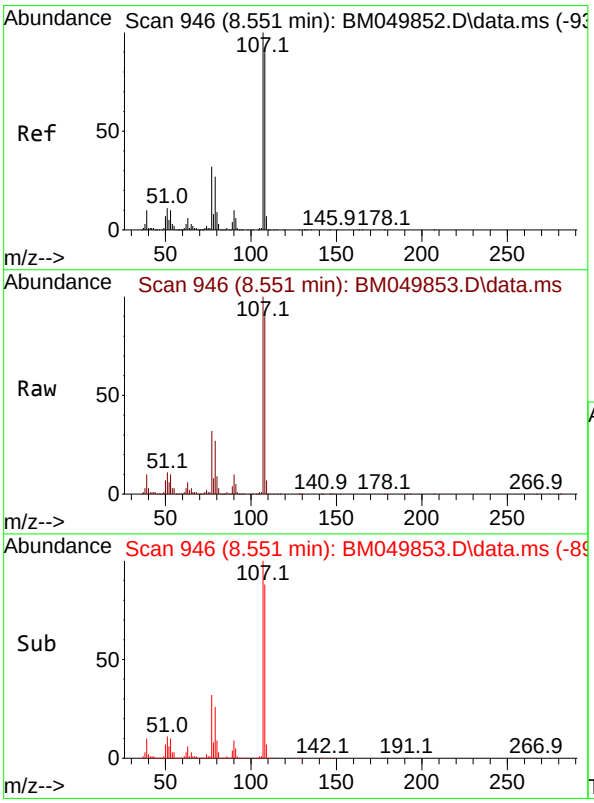
#19
n-Nitroso-di-n-propylamine
Concen: 48.837 ng
RT: 8.586 min Scan# 9
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 771317

Ion	Ratio	Lower	Upper
70	100		
42	50.3	40.2	60.2
101	9.6	7.9	11.9
130	21.8	17.7	26.5

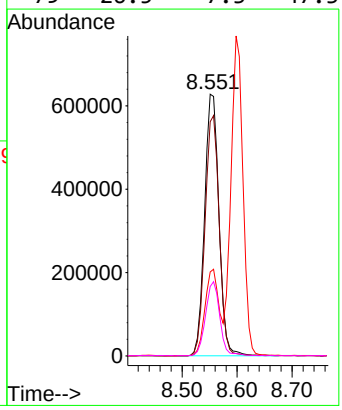


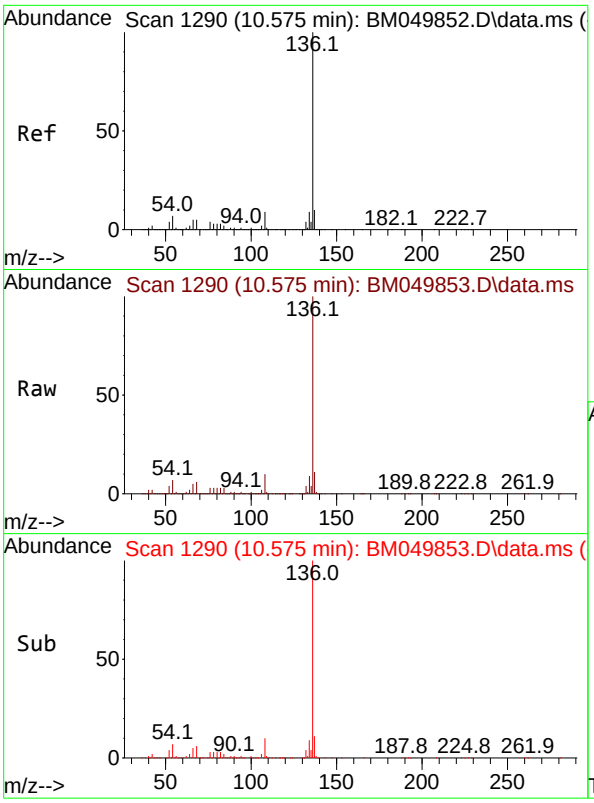


#20
3+4-Methylphenols
Concen: 48.694 ng
RT: 8.551 min Scan# 946
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:107 Resp: 1138439

Ion	Ratio	Lower	Upper
107	100		
108	89.5	69.6	109.6
77	32.1	11.7	51.7
79	26.5	7.3	47.3



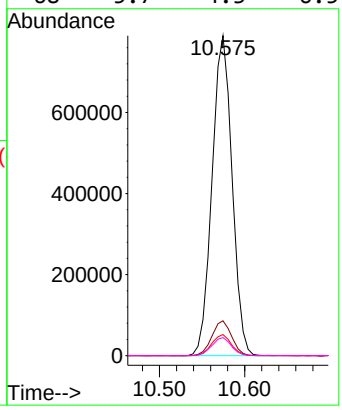


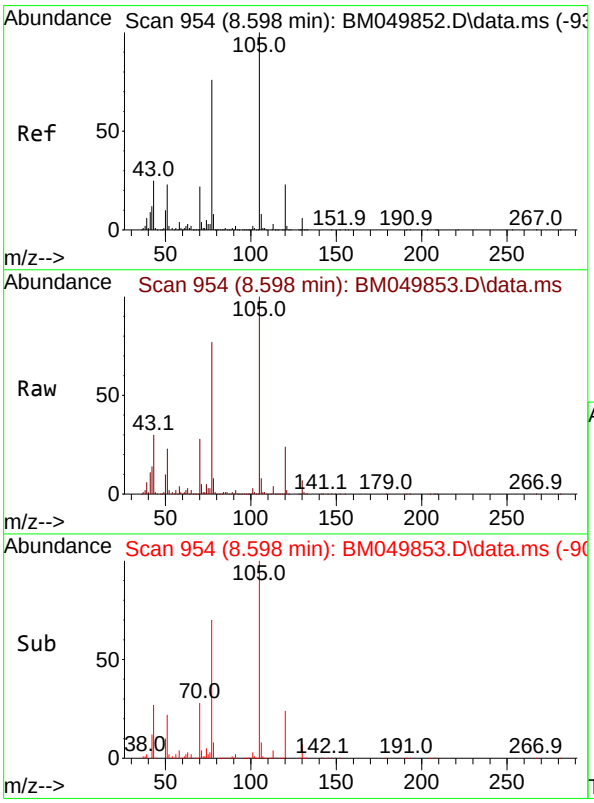
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.575 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 1287434

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.4	12.6
54	6.6	5.3	7.9
68	5.7	4.3	6.5

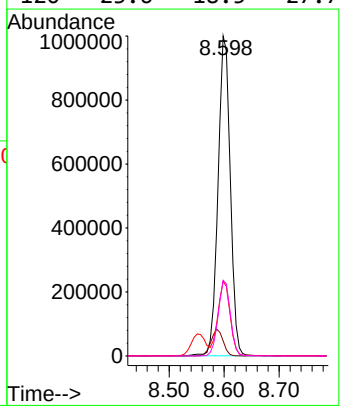


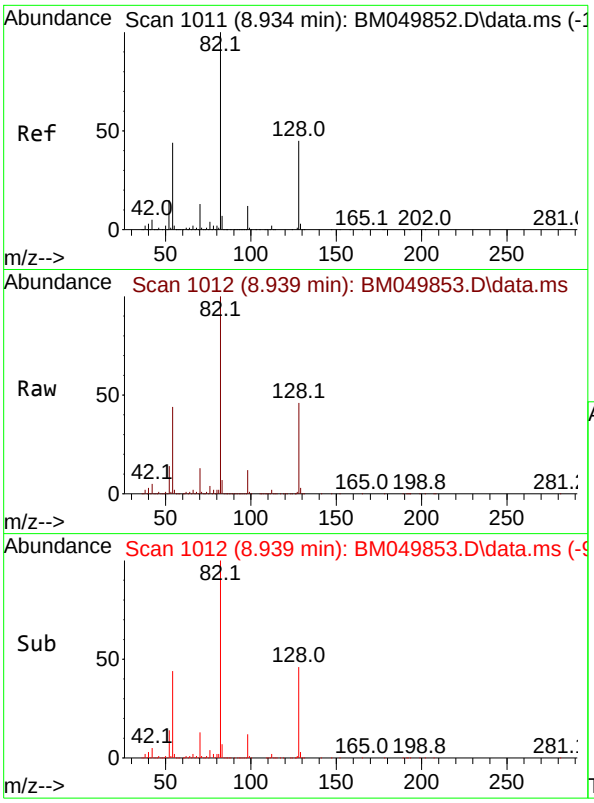


#22
Acetophenone
Concen: 49.544 ng
RT: 8.598 min Scan# 954
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:105 Resp: 1550166

Ion	Ratio	Lower	Upper
105	100		
71	4.7	3.0	4.4#
51	23.3	18.6	27.8
120	23.6	18.5	27.7



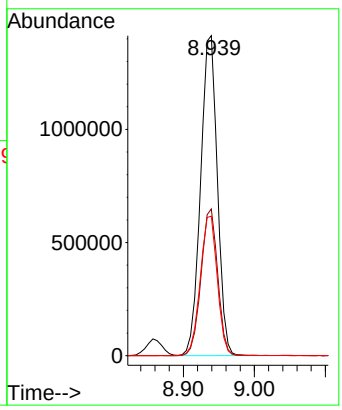


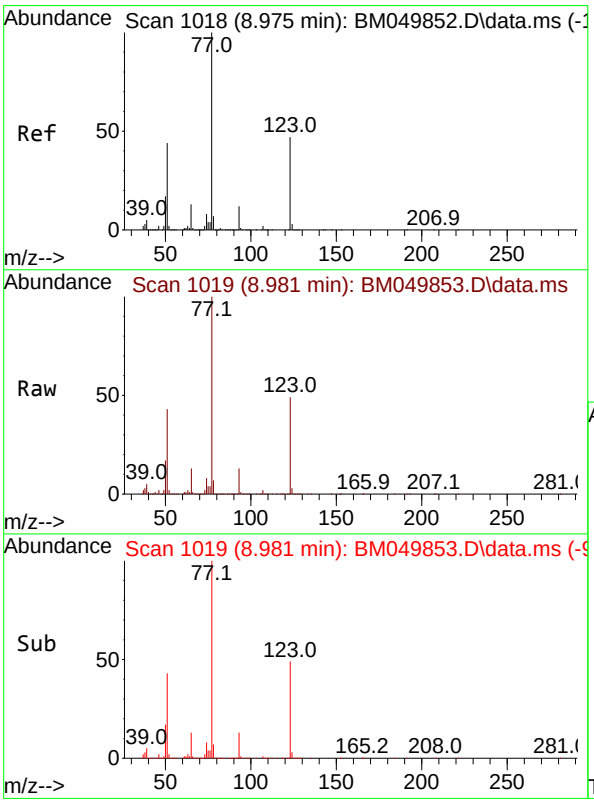
#23
Nitrobenzene-d5
Concen: 100.519 ng
RT: 8.939 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 2323989

Ion	Ratio	Lower	Upper
82	100		
128	45.9	36.2	54.2
54	43.6	35.0	52.6

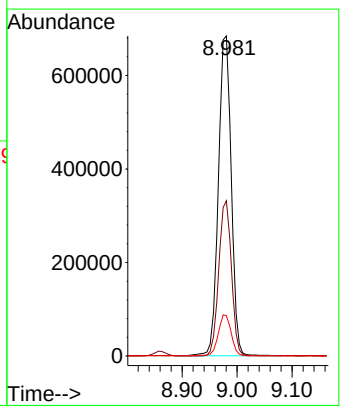


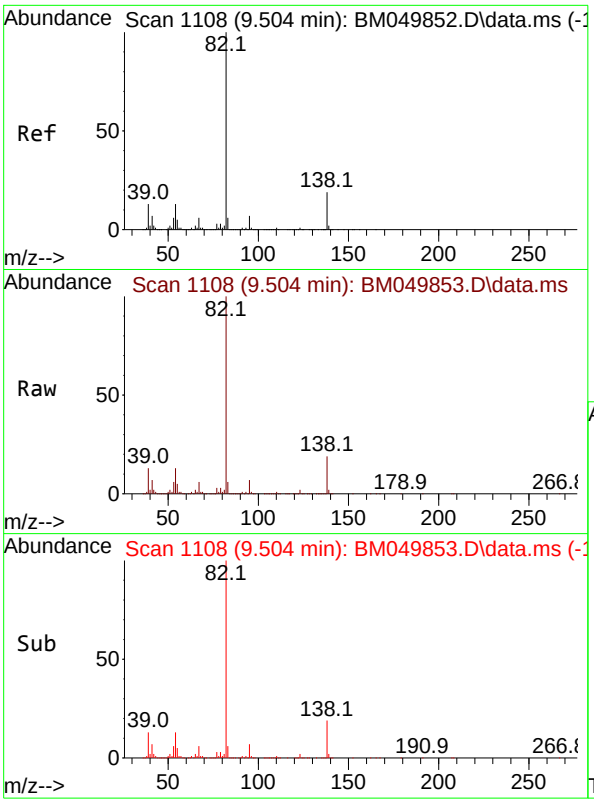


#24
Nitrobenzene
Concen: 49.935 ng
RT: 8.981 min Scan# 1019
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion: 77 Resp: 1111675

Ion	Ratio	Lower	Upper
77	100		
123	48.5	37.4	56.2
65	12.6	10.1	15.1



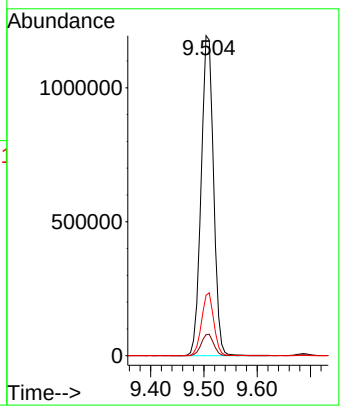


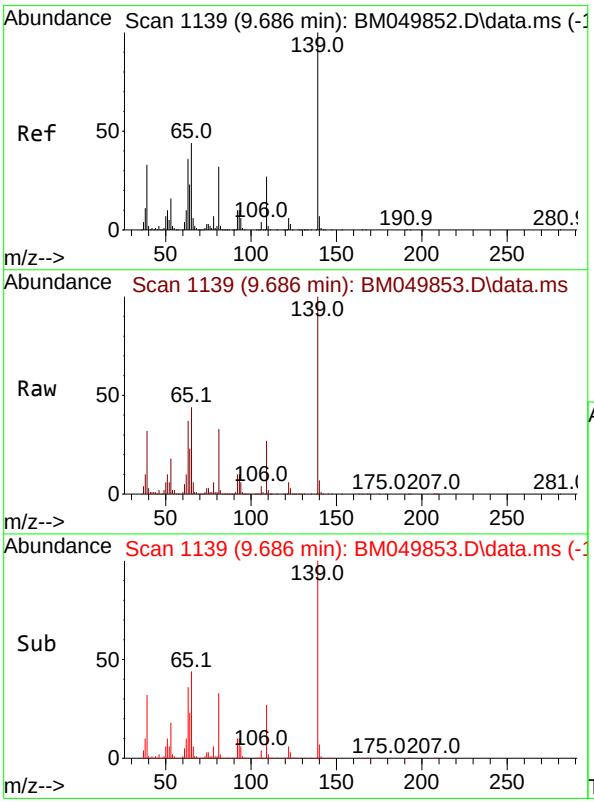
#25
Isophorone
Concen: 49.735 ng
RT: 9.504 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 1926268

Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.4	8.2
138	18.8	15.0	22.6

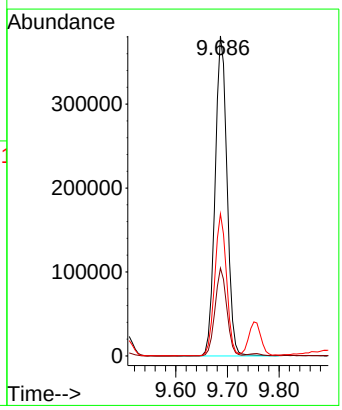


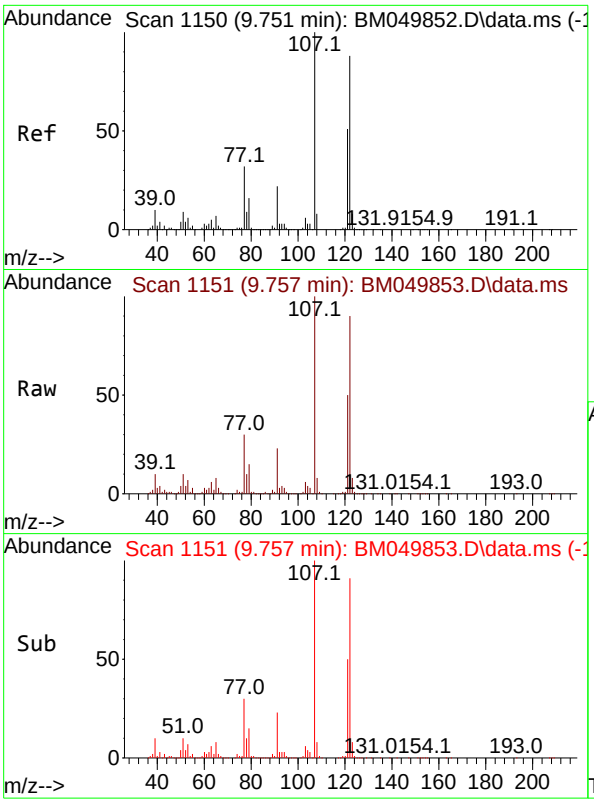


#26
2-Nitrophenol
Concen: 51.801 ng
RT: 9.686 min Scan# 1139
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:139 Resp: 611215

Ion	Ratio	Lower	Upper
139	100		
109	27.4	21.7	32.5
65	44.4	35.2	52.8



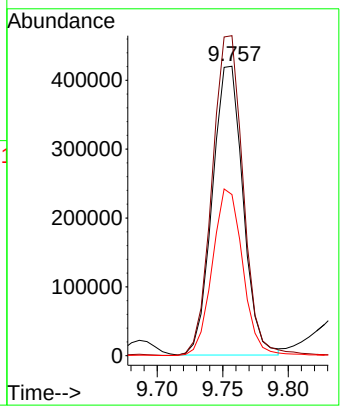


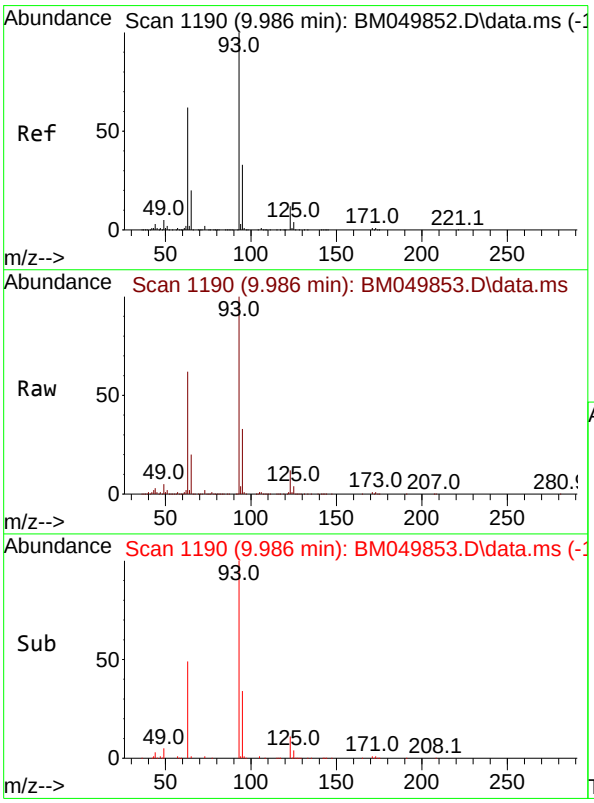
#27
2,4-Dimethylphenol
Concen: 51.053 ng
RT: 9.757 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:122 Resp: 682677

Ion	Ratio	Lower	Upper
122	100		
107	110.5	90.3	135.5
121	55.7	46.1	69.1

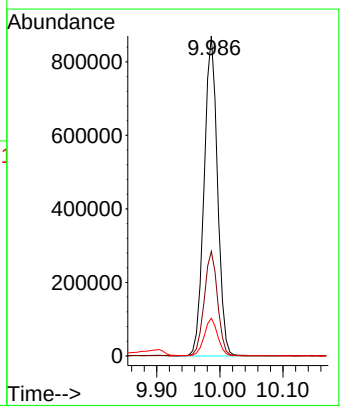


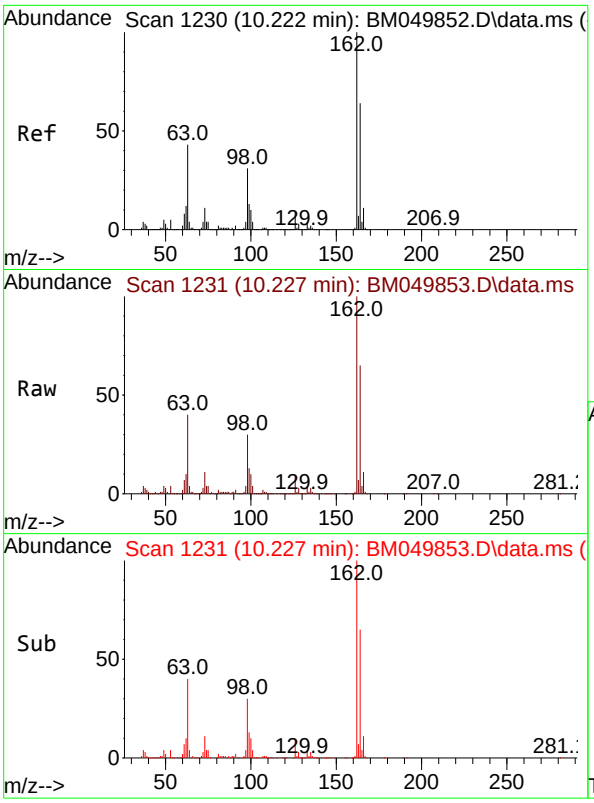


#28
bis(2-Chloroethoxy)methane
Concen: 49.510 ng
RT: 9.986 min Scan# 1190
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion: 93 Resp: 1283751

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.6	40.0
123	11.8	9.5	14.3



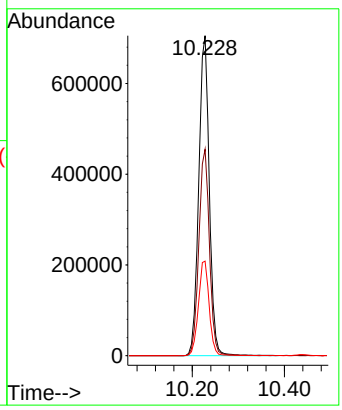


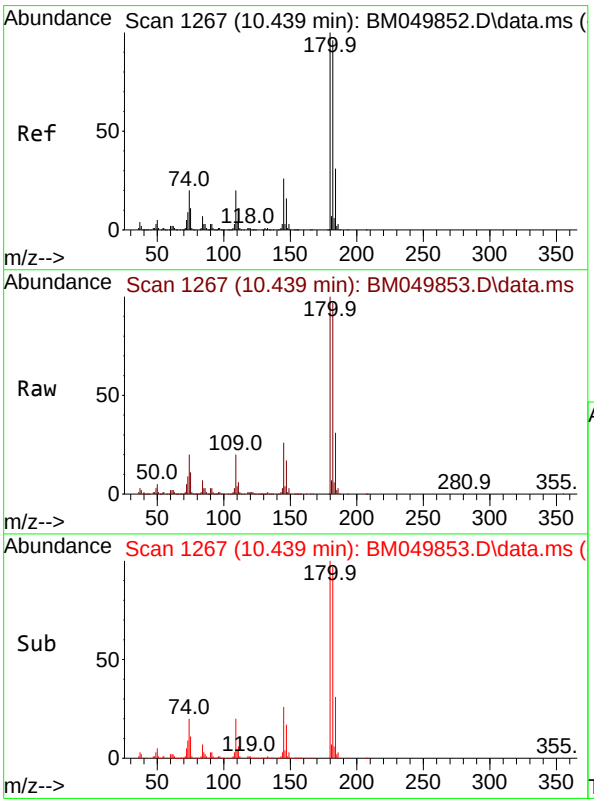
#29
2,4-Dichlorophenol
Concen: 50.582 ng
RT: 10.227 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 1124321

Ion	Ratio	Lower	Upper
162	100		
164	64.5	44.3	84.3
98	29.6	10.9	50.9

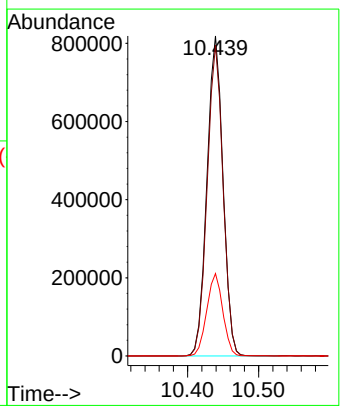


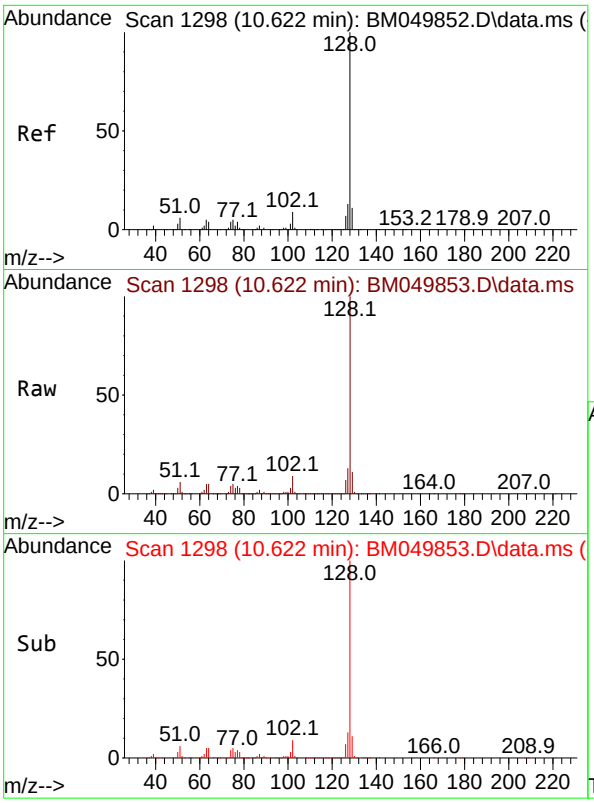


#30
1,2,4-Trichlorobenzene
Concen: 49.988 ng
RT: 10.439 min Scan# 1267
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:180 Resp: 1285402

Ion	Ratio	Lower	Upper
180	100		
182	97.1	76.7	115.1
145	25.7	20.8	31.2



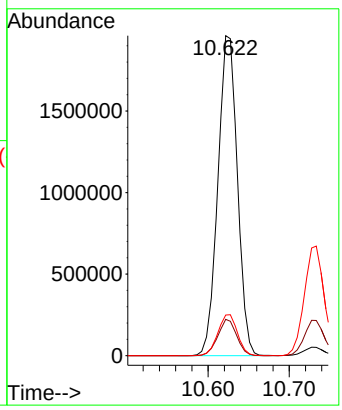


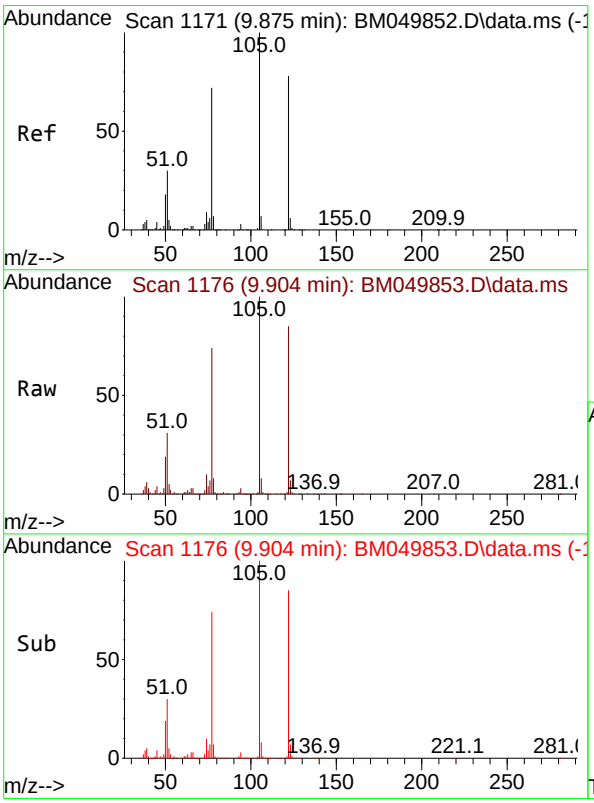
#31
Naphthalene
Concen: 49.555 ng
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:128 Resp: 3278244

Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.8	13.2
127	12.7	10.6	15.8

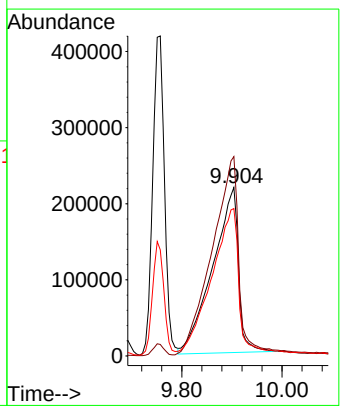


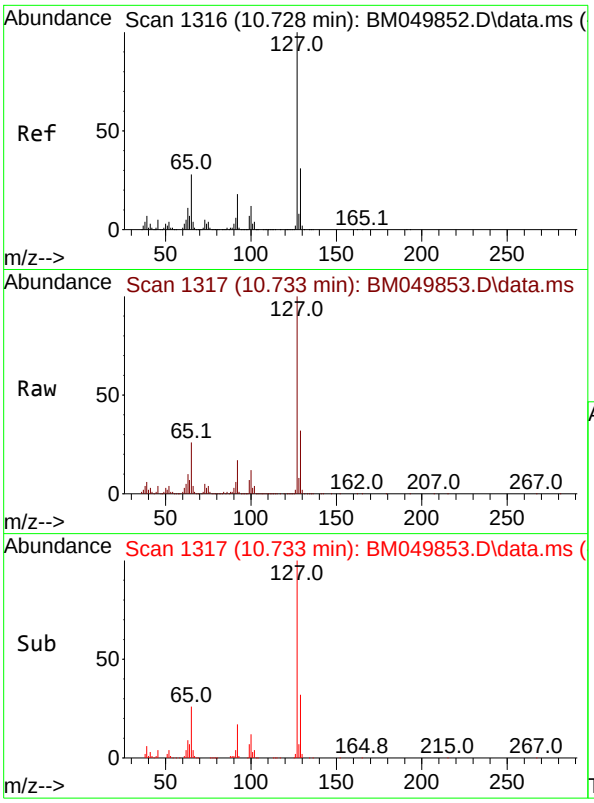


#32
Benzoic acid
Concen: 46.956 ng
RT: 9.904 min Scan# 1176
Delta R.T. 0.029 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:122 Resp: 773909

Ion	Ratio	Lower	Upper
122	100		
105	118.3	103.8	143.8
77	87.5	70.7	110.7



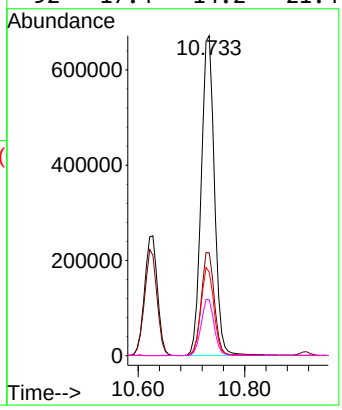


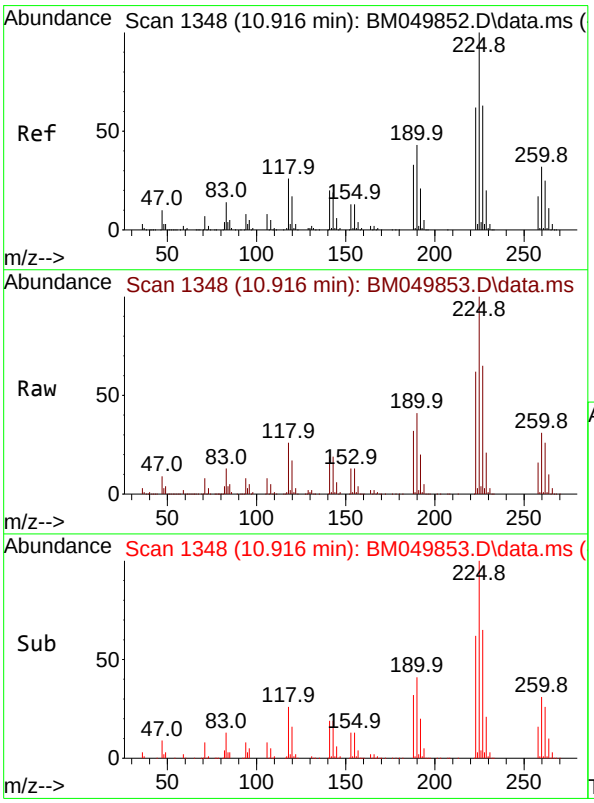
#33
4-Chloroaniline
Concen: 49.463 ng
RT: 10.733 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 1155438

Ion	Ratio	Lower	Upper
127	100		
129	32.2	24.9	37.3
65	26.2	22.4	33.6
92	17.4	14.2	21.4

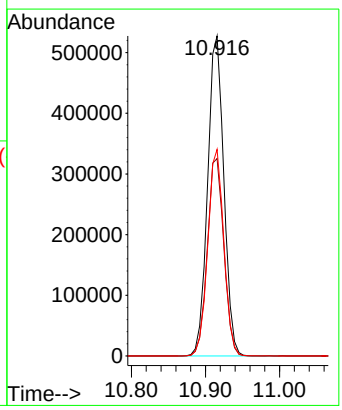


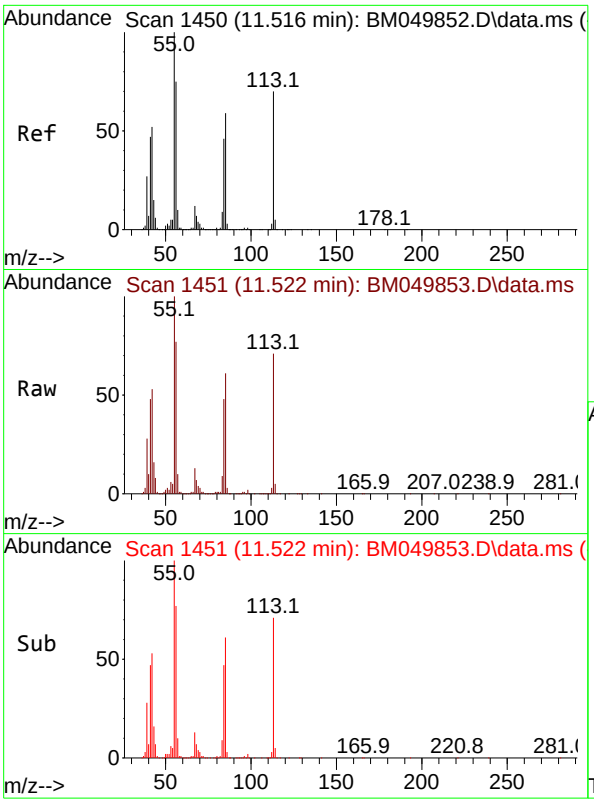


#34
Hexachlorobutadiene
Concen: 50.305 ng
RT: 10.916 min Scan# 1348
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:225 Resp: 800154

Ion	Ratio	Lower	Upper
225	100		
223	61.7	49.4	74.2
227	64.5	50.1	75.1



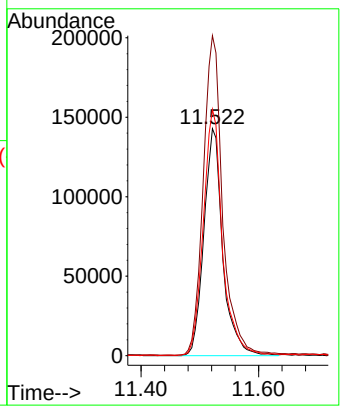


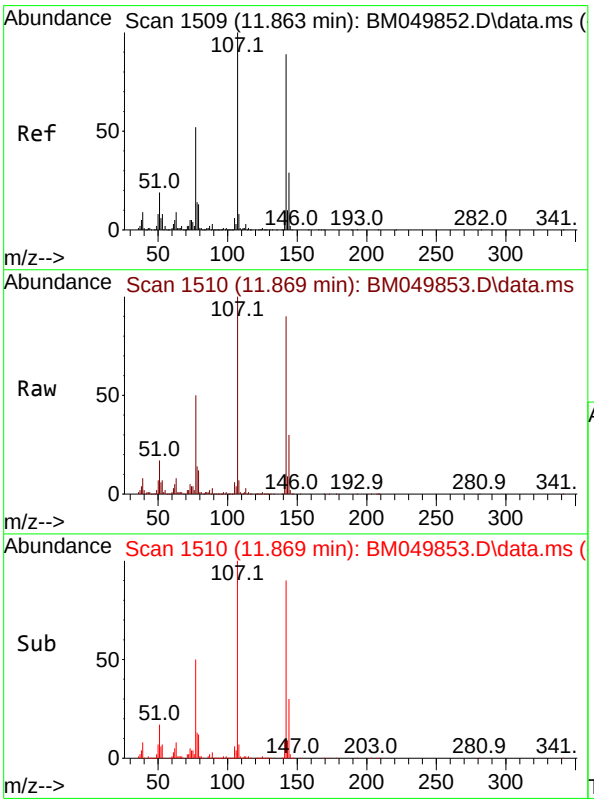
#35
Caprolactam
Concen: 49.794 ng
RT: 11.522 min Scan# 14
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:113 Resp: 317444

Ion	Ratio	Lower	Upper
113	100		
55	140.9	124.3	164.3
56	108.5	87.5	127.5

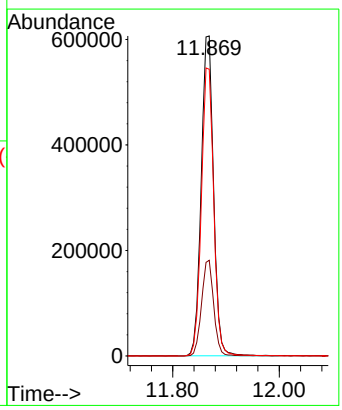


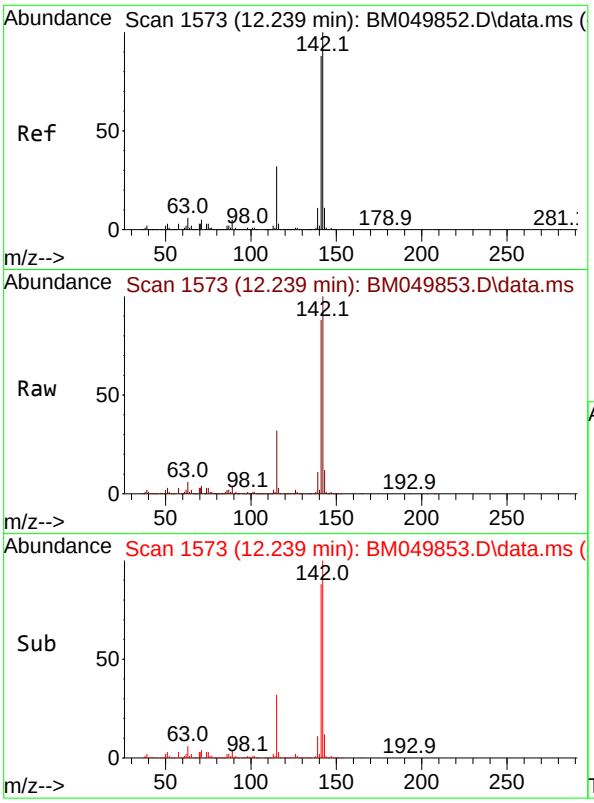


#36
4-Chloro-3-methylphenol
Concen: 50.022 ng
RT: 11.869 min Scan# 1510
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:107 Resp: 973959

Ion	Ratio	Lower	Upper
107	100		
144	29.9	23.6	35.4
142	89.6	71.4	107.0



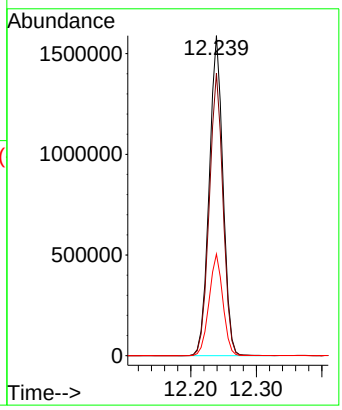


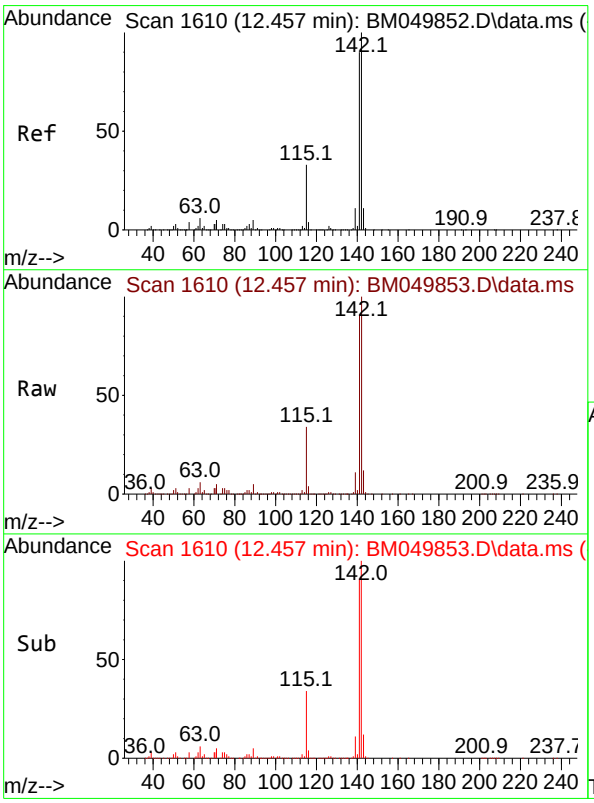
#37
2-Methylnaphthalene
Concen: 49.796 ng
RT: 12.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 2320947

Ion	Ratio	Lower	Upper
142	100		
141	88.3	70.2	105.2
115	31.7	25.4	38.2

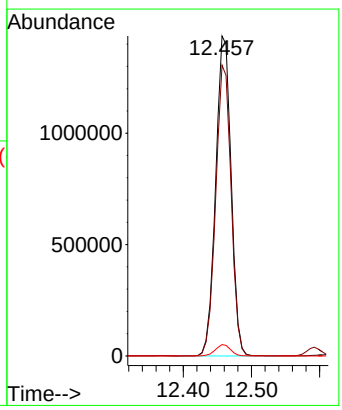


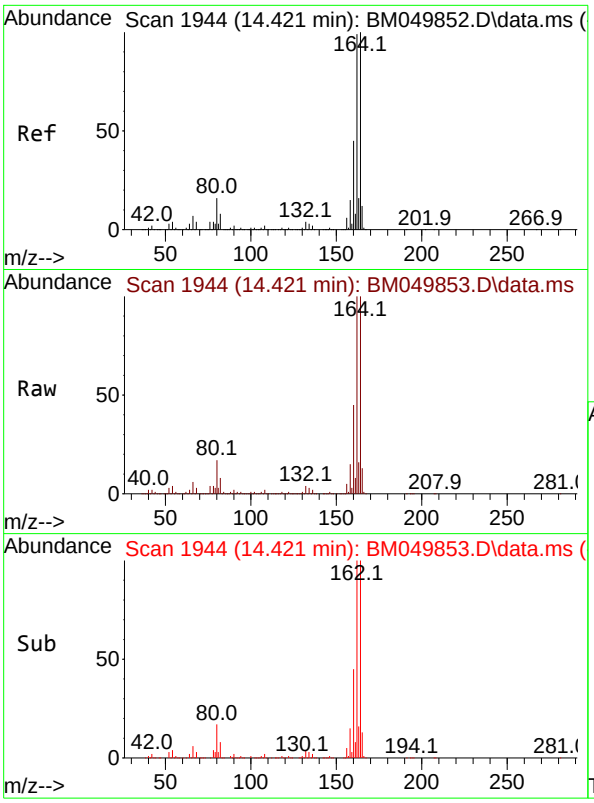


#38
1-Methylnaphthalene
Concen: 49.847 ng
RT: 12.457 min Scan# 1610
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:142 Resp: 2263493

Ion	Ratio	Lower	Upper
142	100		
141	90.8	72.2	108.2
116	3.5	2.9	4.3



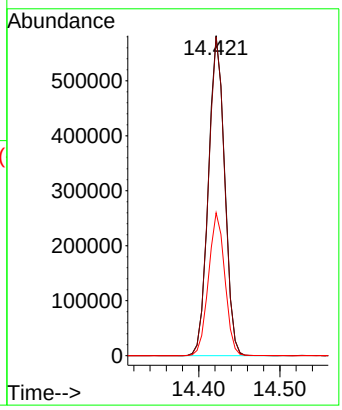


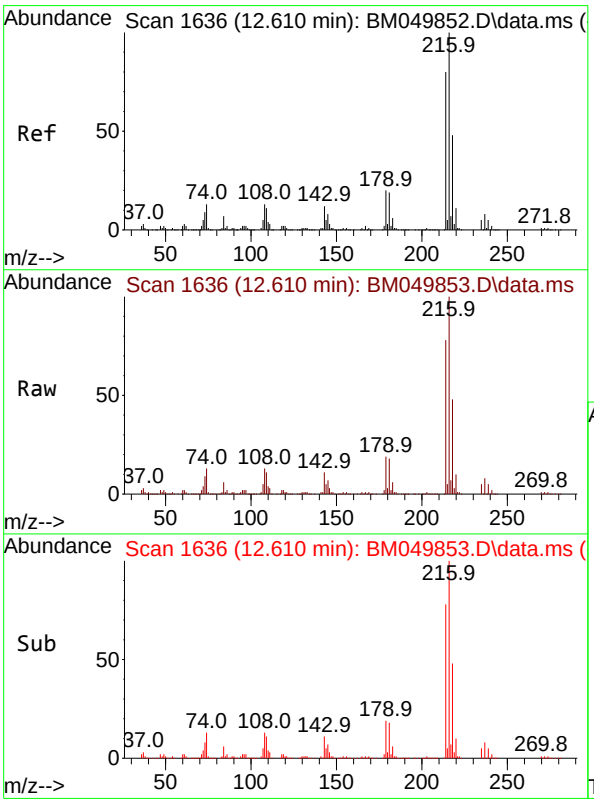
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.421 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:164 Resp: 808126

Ion	Ratio	Lower	Upper
164	100		
162	99.6	79.4	119.0
160	44.6	36.2	54.2

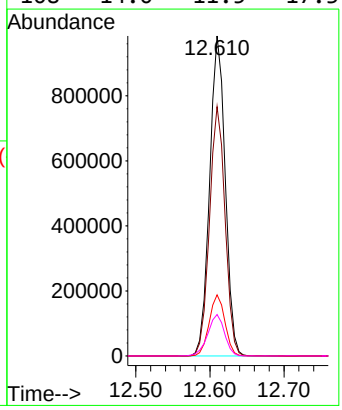


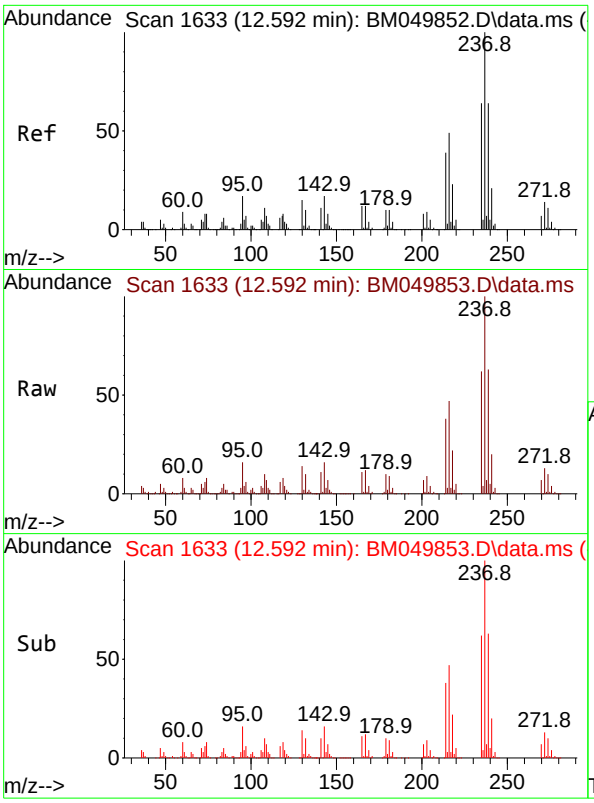


#40
1,2,4,5-Tetrachlorobenzene
Concen: 50.808 ng
RT: 12.610 min Scan# 1636
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:216 Resp: 1436460

Ion	Ratio	Lower	Upper
216	100		
214	77.9	63.2	94.8
179	19.3	15.8	23.6
108	14.0	11.5	17.3



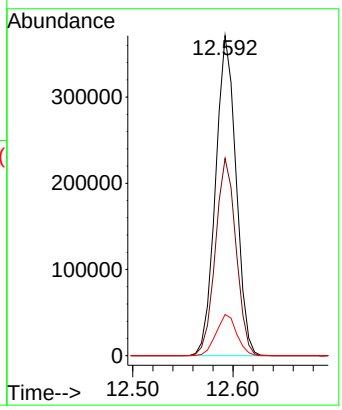


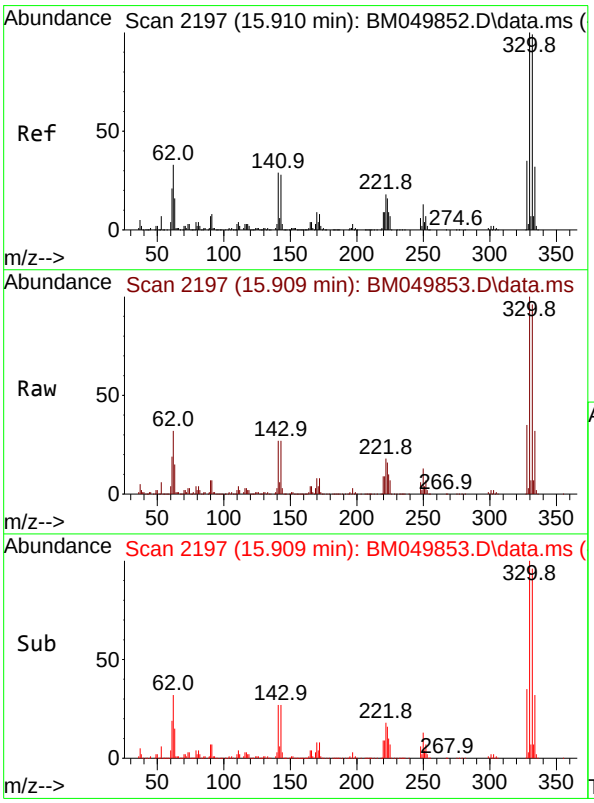
#41
Hexachlorocyclopentadiene
Concen: 53.108 ng
RT: 12.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:237 Resp: 526124

Ion	Ratio	Lower	Upper
237	100		
235	61.6	43.7	83.7
272	12.8	0.0	33.5

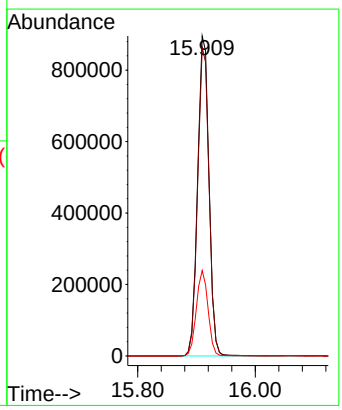


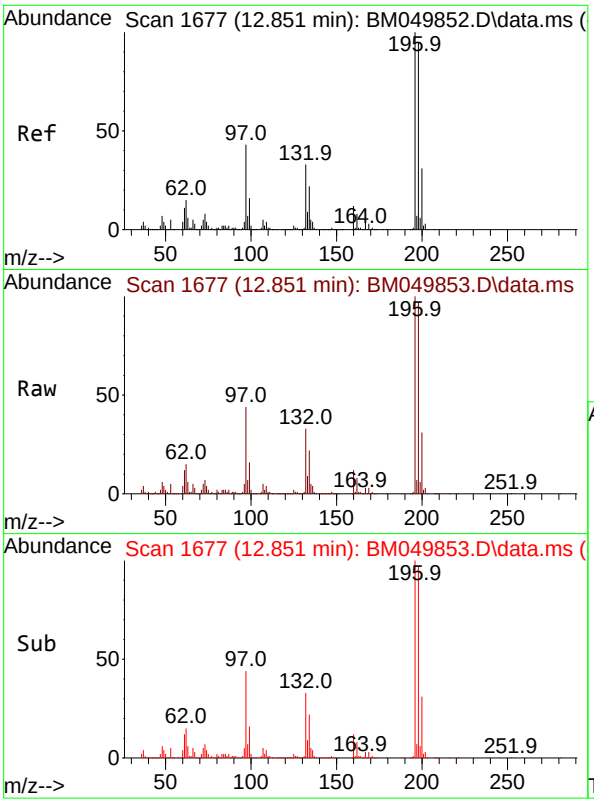


#42
2,4,6-Tribromophenol
Concen: 102.576 ng
RT: 15.909 min Scan# 2197
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:330 Resp: 1205724

Ion	Ratio	Lower	Upper
330	100		
332	96.5	78.0	117.0
141	27.4	23.5	35.3



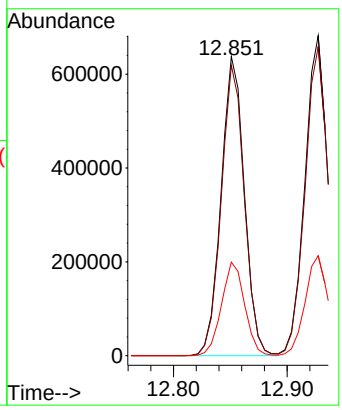


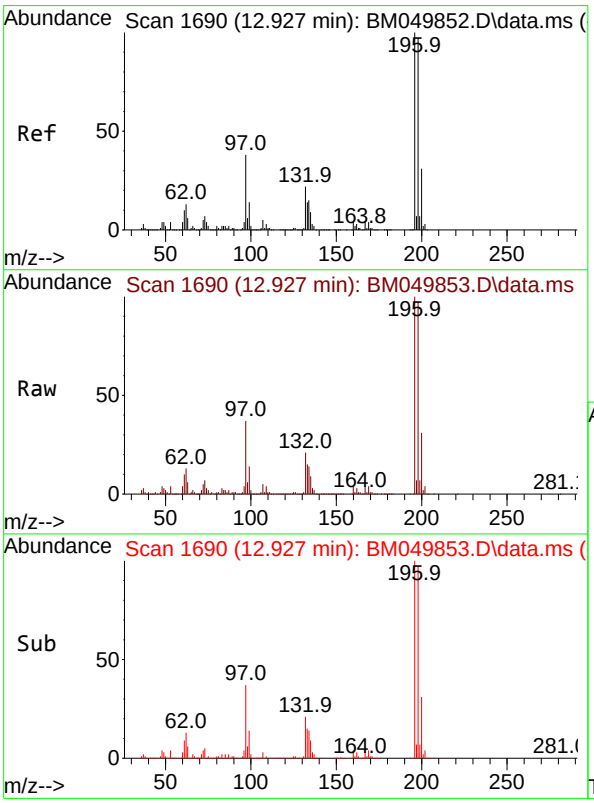
#43
2,4,6-Trichlorophenol
Concen: 50.440 ng
RT: 12.851 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:196 Resp: 907433

Ion	Ratio	Lower	Upper
196	100		
198	97.0	76.1	114.1
200	31.3	24.7	37.1

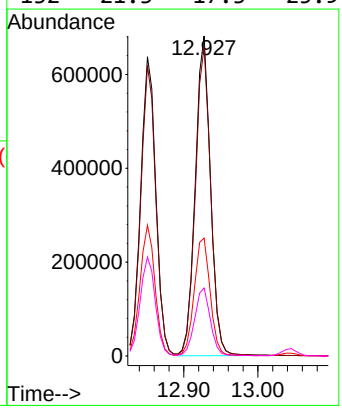


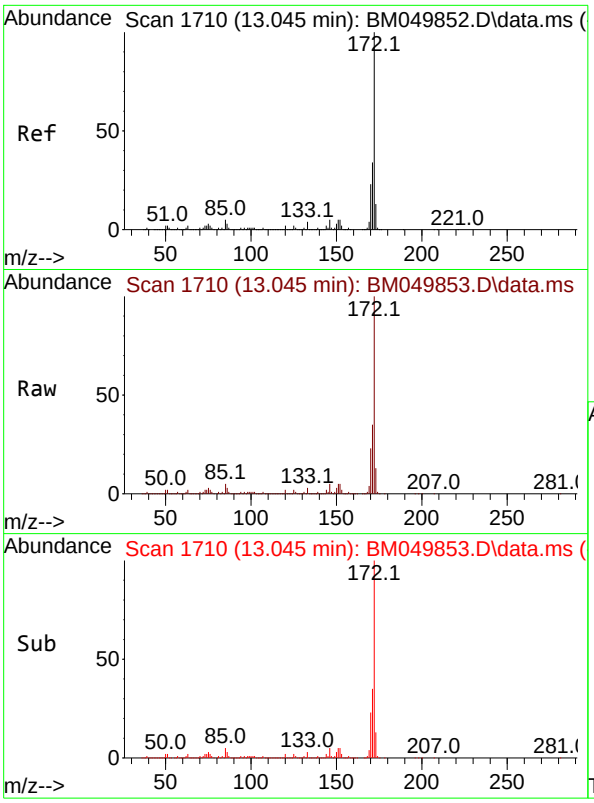


#44
2,4,5-Trichlorophenol
Concen: 49.927 ng
RT: 12.927 min Scan# 1690
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:196 Resp: 976092

Ion	Ratio	Lower	Upper
196	100		
198	96.6	77.7	116.5
97	36.9	30.3	45.5
132	21.3	17.3	25.9



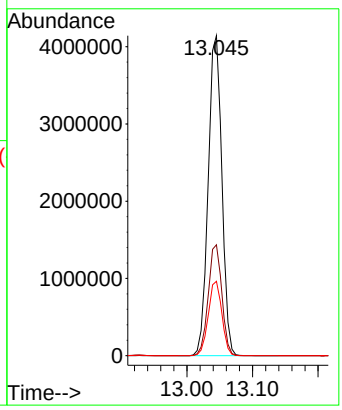


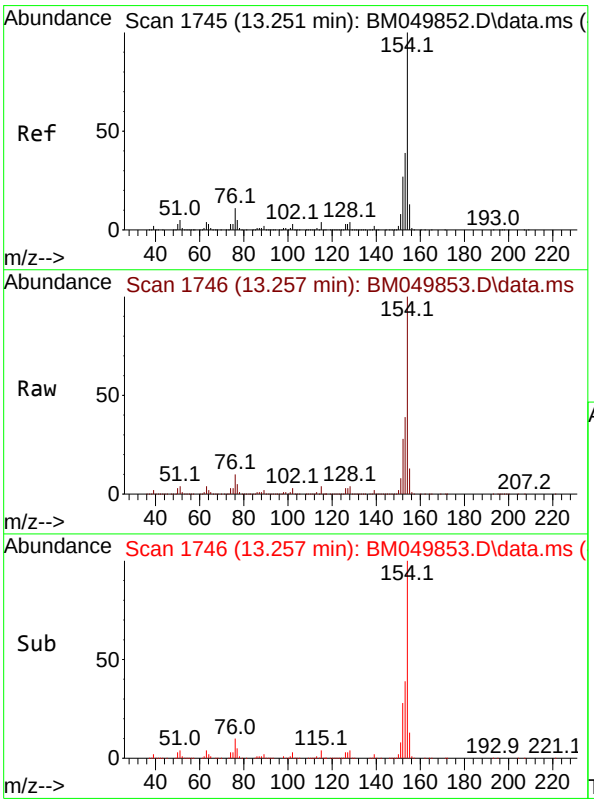
#45
2-Fluorobiphenyl
Concen: 100.754 ng
RT: 13.045 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:172 Resp: 6004539

Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.4	41.2
170	23.3	18.6	28.0

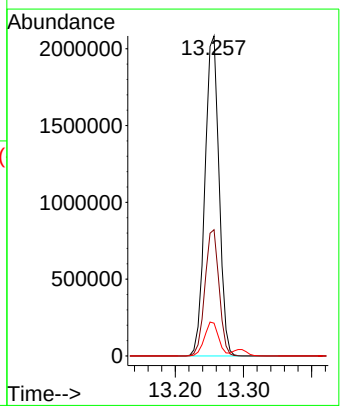


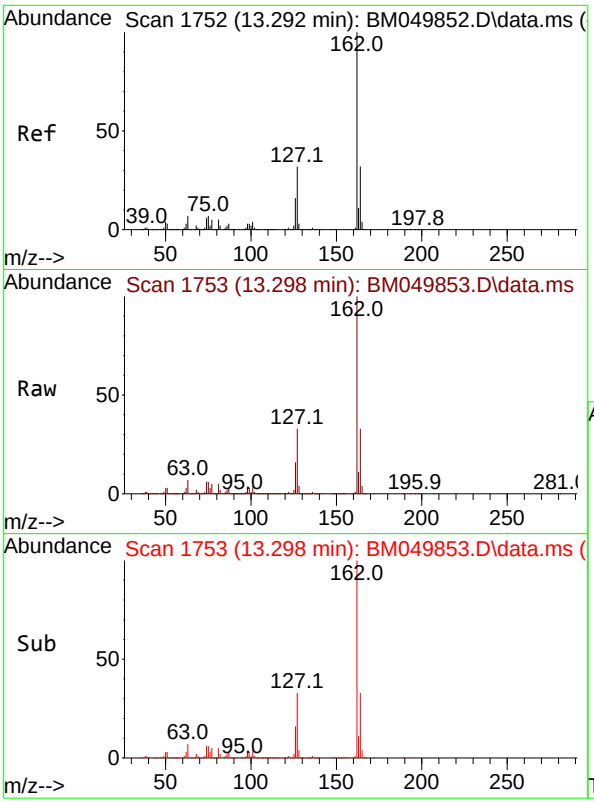


#46
1,1'-Biphenyl
Concen: 49.778 ng
RT: 13.257 min Scan# 1746
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:154 Resp: 2990362

Ion	Ratio	Lower	Upper
154	100		
153	39.4	19.3	59.3
76	10.2	0.0	30.7



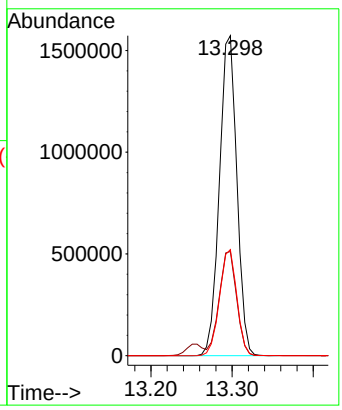


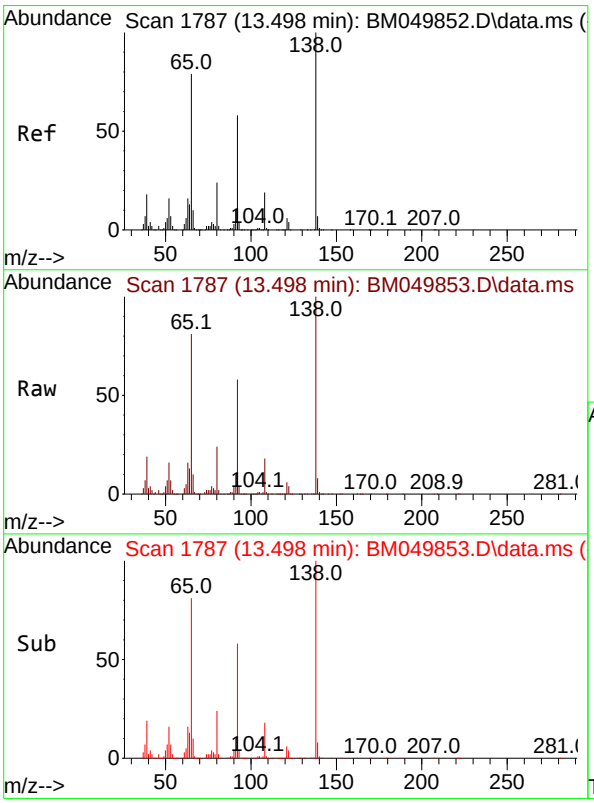
#47
2-Chloronaphthalene
Concen: 49.767 ng
RT: 13.298 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 2349832

Ion	Ratio	Lower	Upper
162	100		
127	32.6	26.0	39.0
164	33.2	25.9	38.9

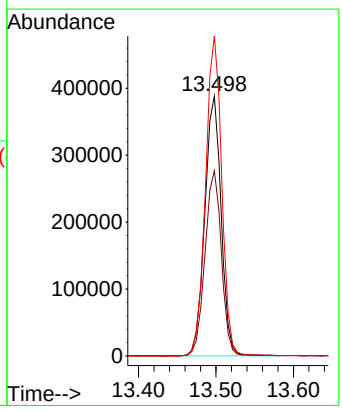


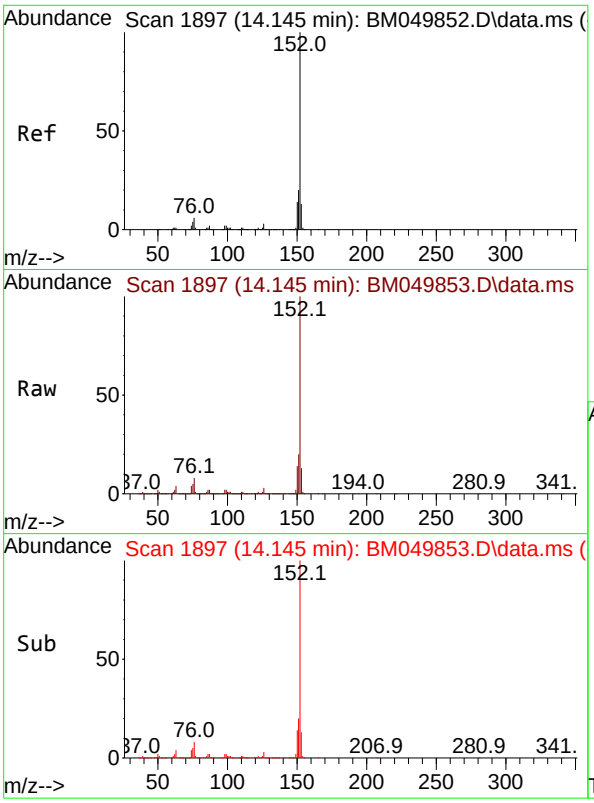


#48
2-Nitroaniline
Concen: 52.061 ng
RT: 13.498 min Scan# 1787
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion: 65 Resp: 568681

Ion	Ratio	Lower	Upper
65	100		
92	71.3	58.4	87.6
138	123.1	100.8	151.2



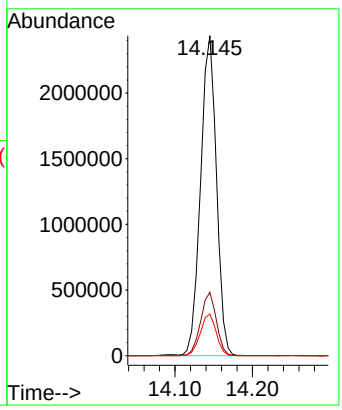


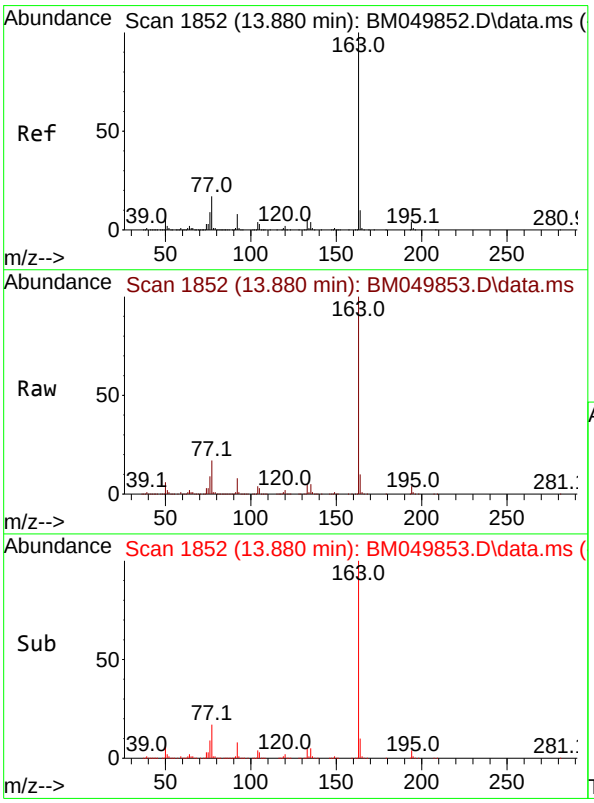
#49
Acenaphthylene
Concen: 50.260 ng
RT: 14.145 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 3456837

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.7	23.5
153	13.0	10.4	15.6

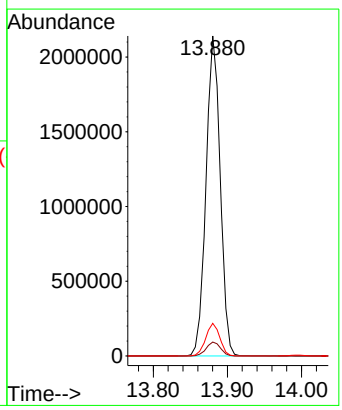


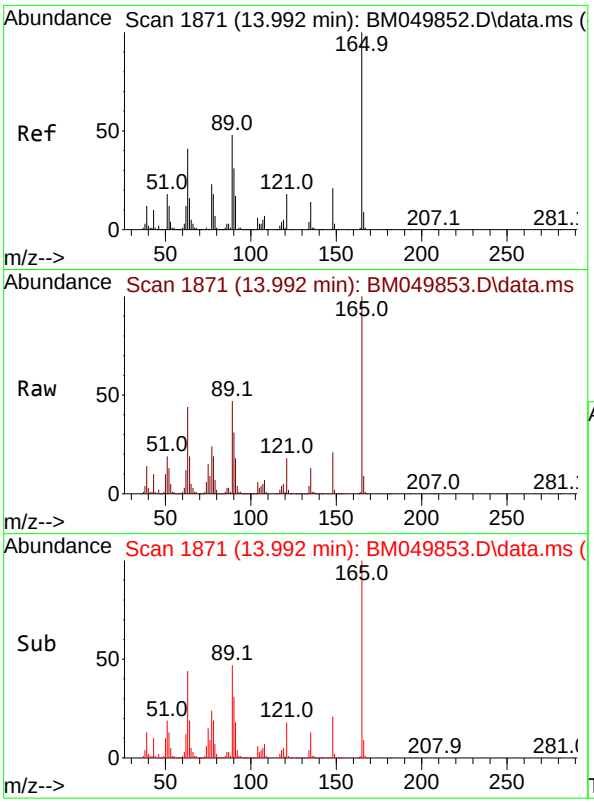


#50
Dimethylphthalate
Concen: 49.993 ng
RT: 13.880 min Scan# 1852
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:163 Resp: 2850200

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	10.2	7.9	11.9



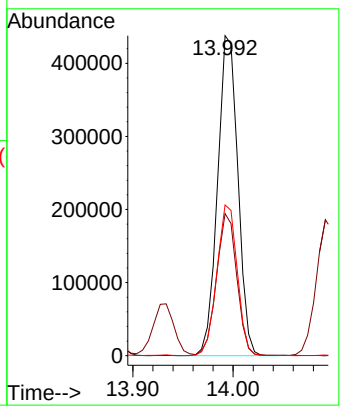


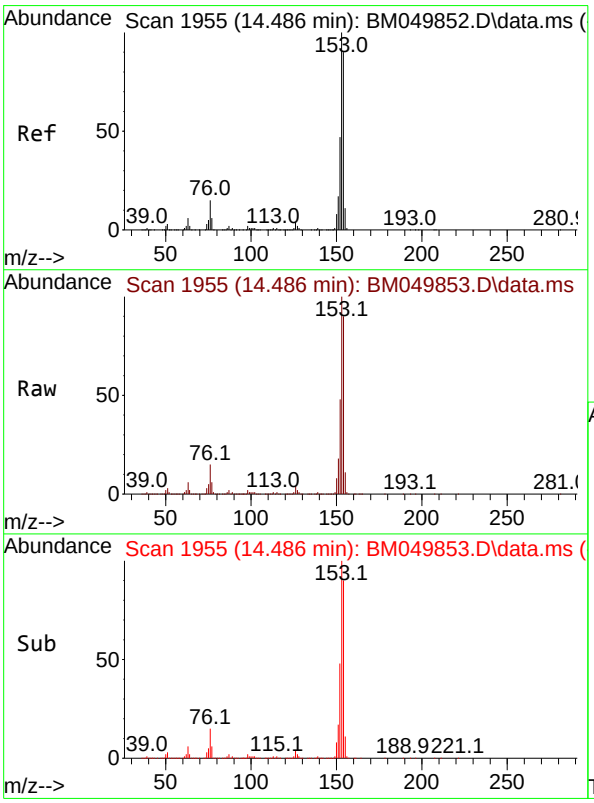
#51
2,6-Dinitrotoluene
Concen: 51.646 ng
RT: 13.992 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 616905

Ion	Ratio	Lower	Upper
165	100		
63	44.4	36.1	54.1
89	47.1	38.3	57.5

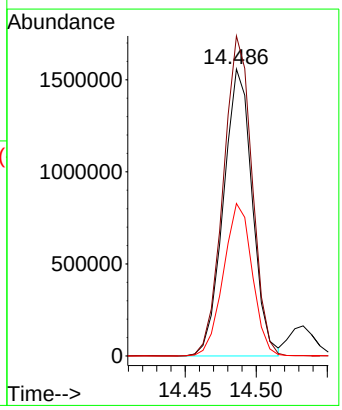


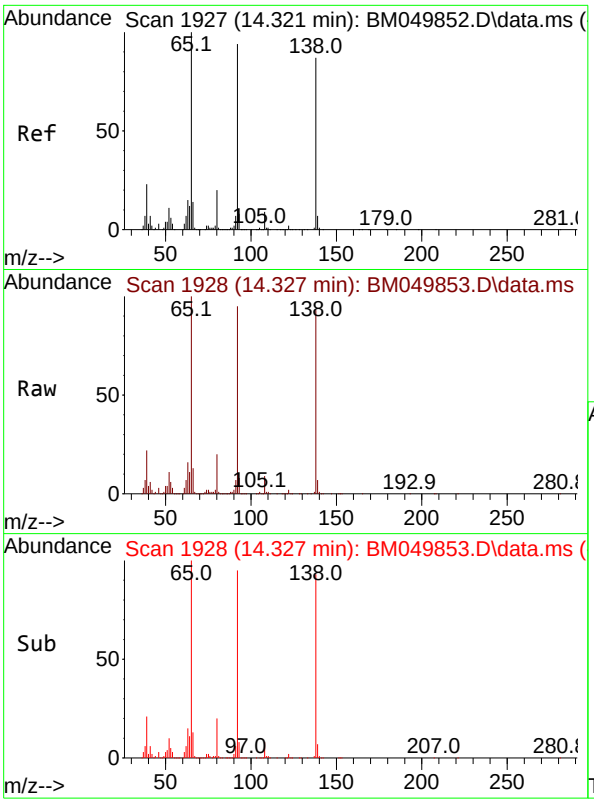


#52
Acenaphthene
Concen: 50.284 ng
RT: 14.486 min Scan# 1955
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:154 Resp: 2199854

Ion	Ratio	Lower	Upper
154	100		
153	111.5	89.3	133.9
152	53.2	42.2	63.2



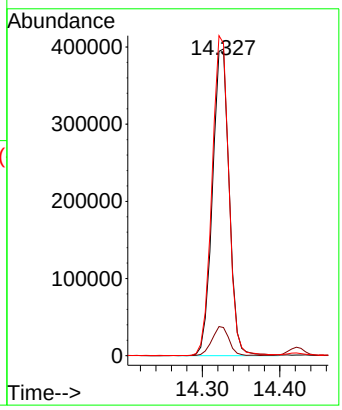


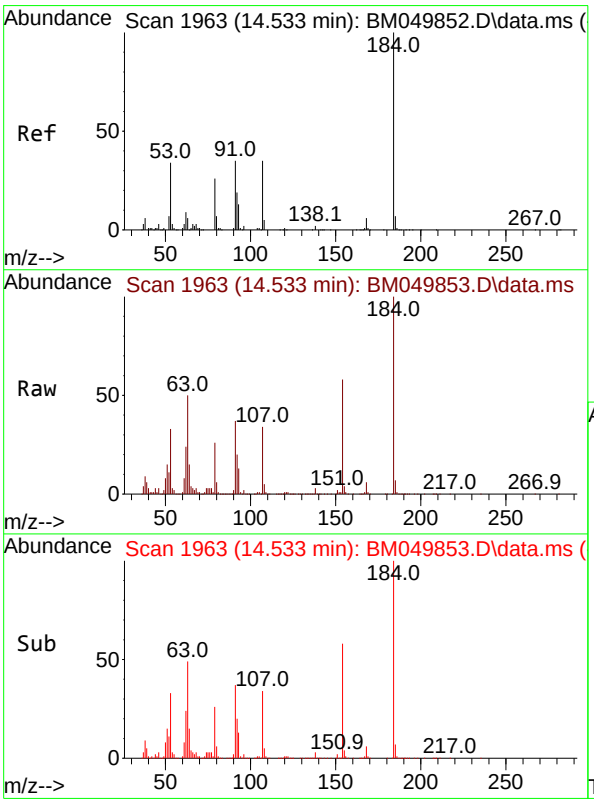
#53
3-Nitroaniline
Concen: 51.595 ng
RT: 14.327 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:138 Resp: 595646

Ion	Ratio	Lower	Upper
138	100		
108	9.2	8.1	12.1
92	101.9	86.5	129.7

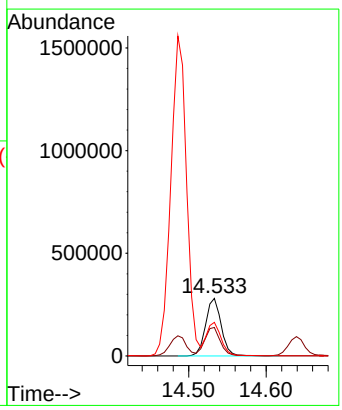


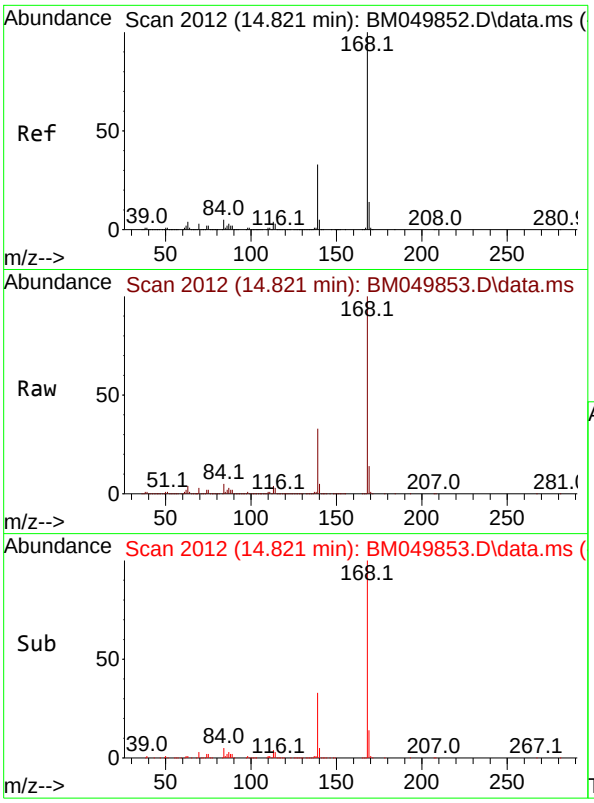


#54
2,4-Dinitrophenol
Concen: 48.434 ng
RT: 14.533 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:184 Resp: 391855

Ion	Ratio	Lower	Upper
184	100		
63	49.5	38.4	57.6
154	58.3	48.1	72.1



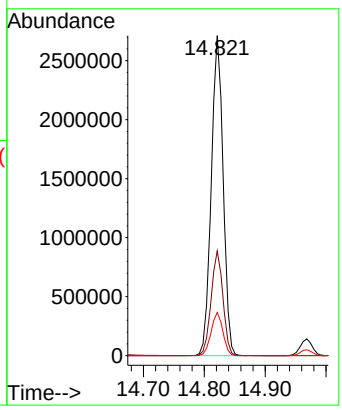


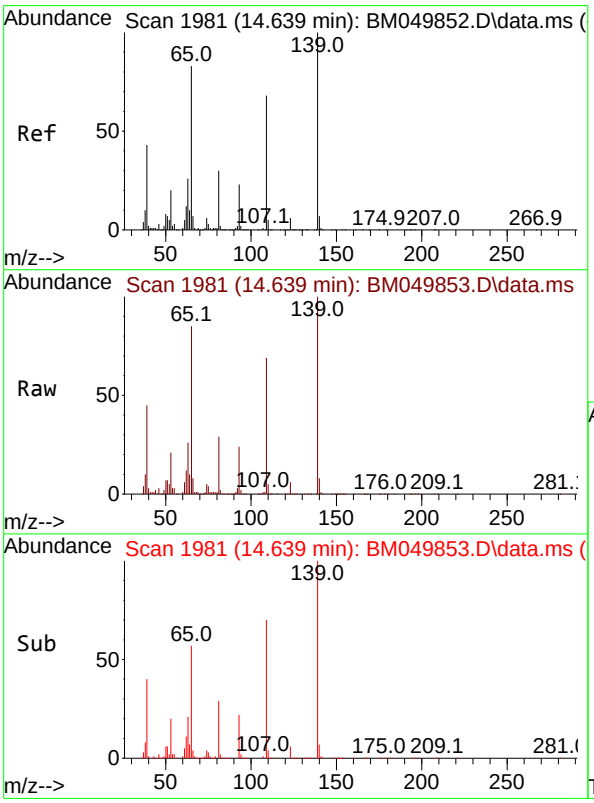
#55
Dibenzofuran
Concen: 50.151 ng
RT: 14.821 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:168 Resp: 3667823

Ion	Ratio	Lower	Upper
168	100		
139	32.7	26.6	39.8
169	13.5	11.0	16.4

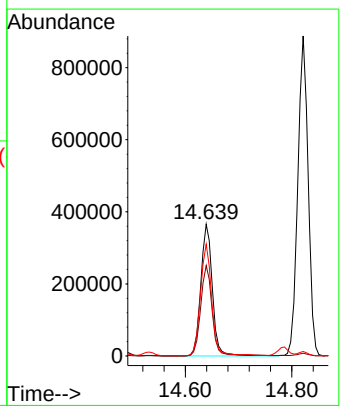


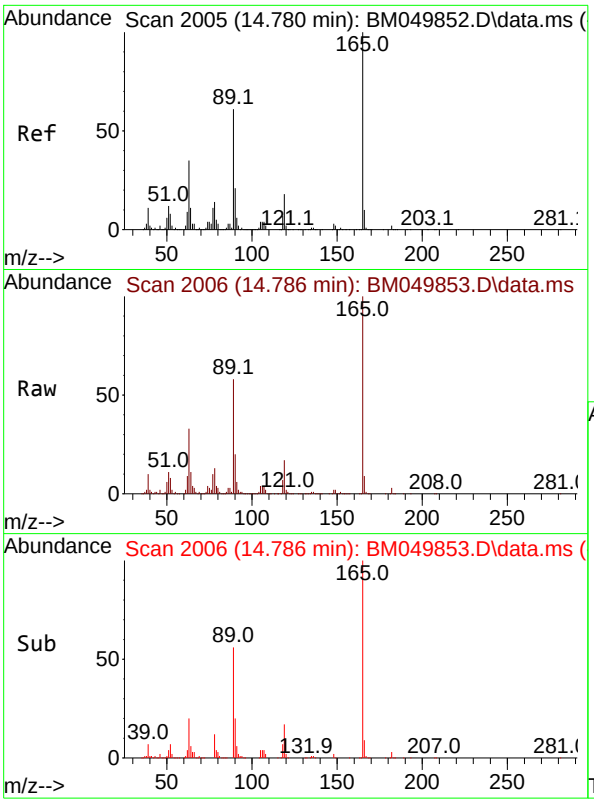


#56
4-Nitrophenol
Concen: 53.540 ng
RT: 14.639 min Scan# 1981
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:139 Resp: 550813

Ion	Ratio	Lower	Upper
139	100		
109	68.6	47.9	87.9
65	84.8	62.7	102.7



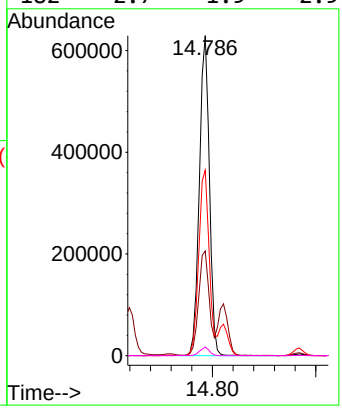


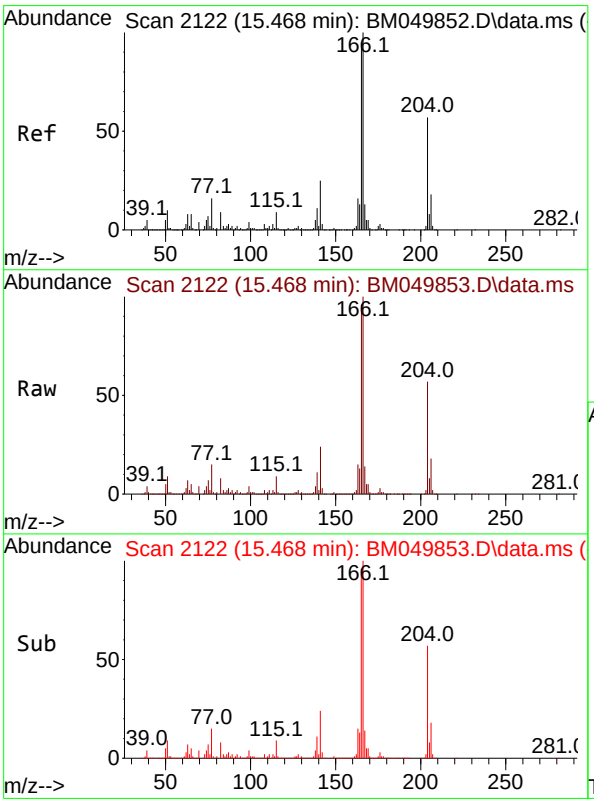
#57
2,4-Dinitrotoluene
Concen: 53.211 ng
RT: 14.786 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 847929

Ion	Ratio	Lower	Upper
165	100		
63	32.7	28.6	42.8
89	57.9	49.0	73.6
182	2.7	1.9	2.9

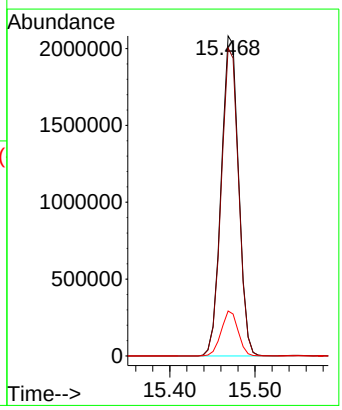


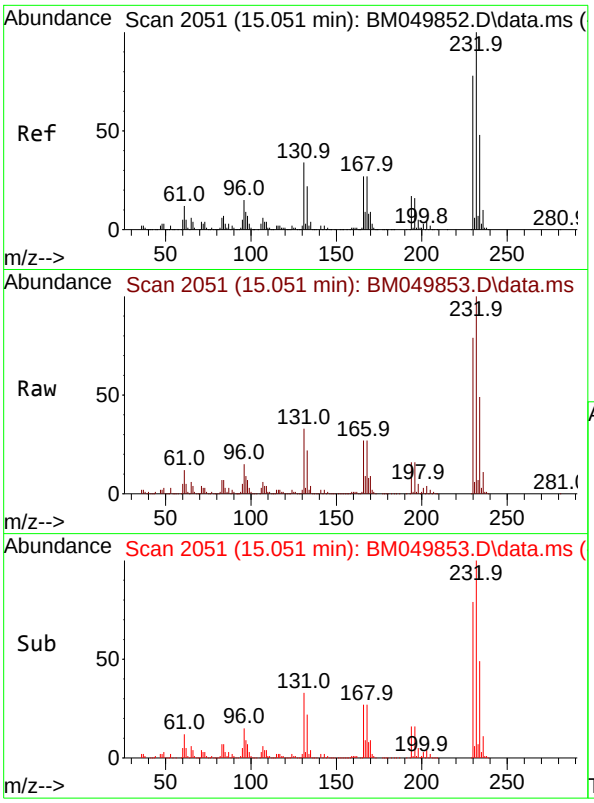


#58
Fluorene
Concen: 50.613 ng
RT: 15.468 min Scan# 2122
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:166 Resp: 2942325

Ion	Ratio	Lower	Upper
166	100		
165	96.3	76.3	114.5
167	14.0	10.7	16.1



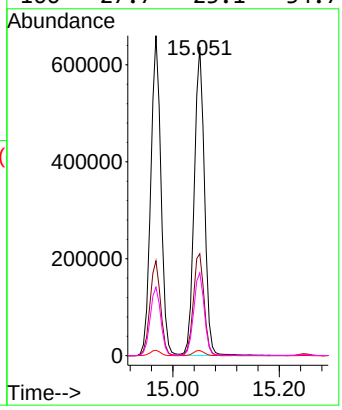


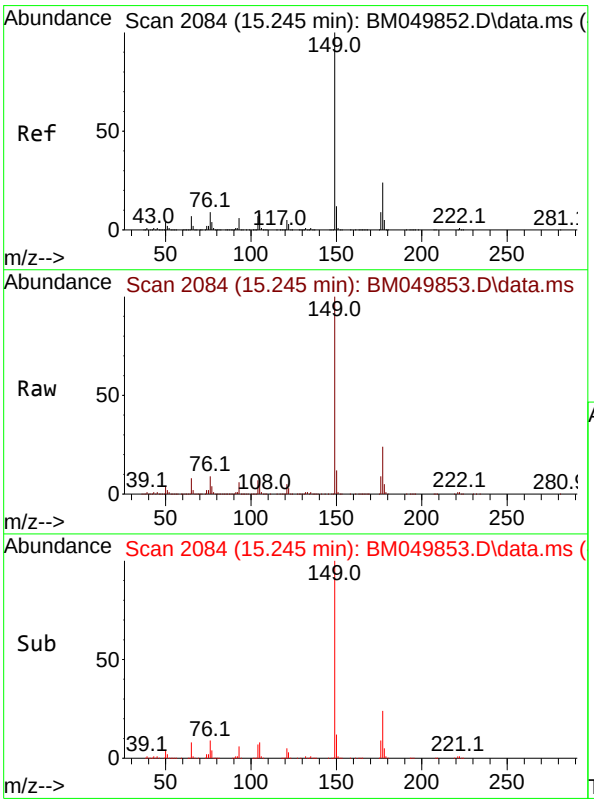
#59
2,3,4,6-Tetrachlorophenol
Concen: 49.519 ng
RT: 15.051 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:232 Resp: 848529

Ion	Ratio	Lower	Upper
232	100		
131	34.7	28.4	42.6
130	1.8	1.6	2.4
166	27.7	23.1	34.7

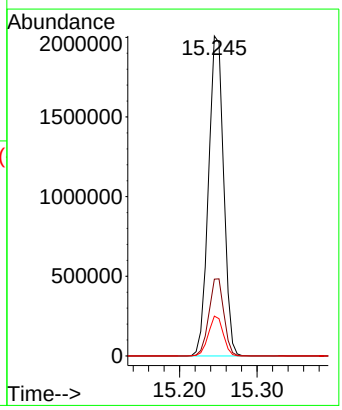


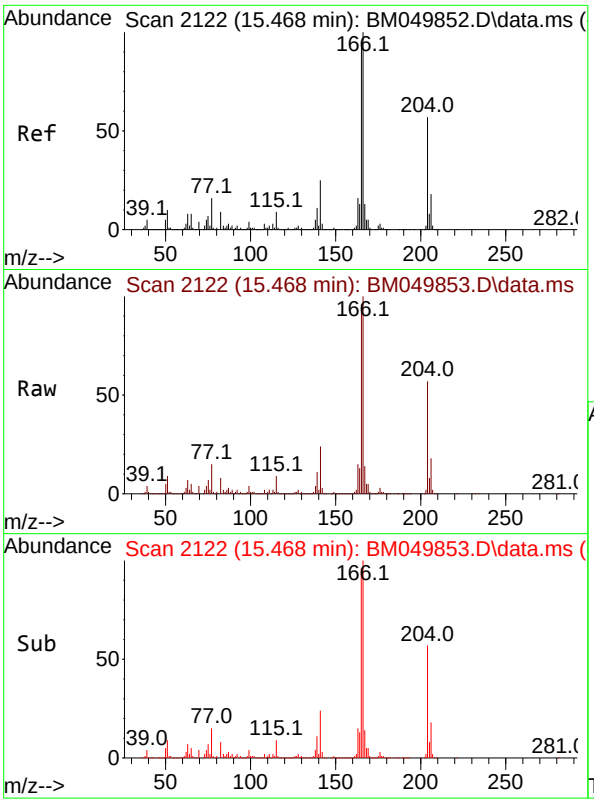


#60
Diethylphthalate
Concen: 49.792 ng
RT: 15.245 min Scan# 2084
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:149 Resp: 2722291

Ion	Ratio	Lower	Upper
149	100		
177	24.0	19.0	28.4
150	12.5	9.7	14.5



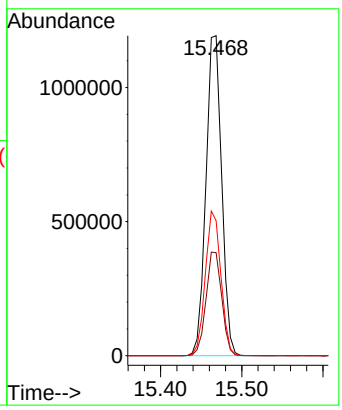


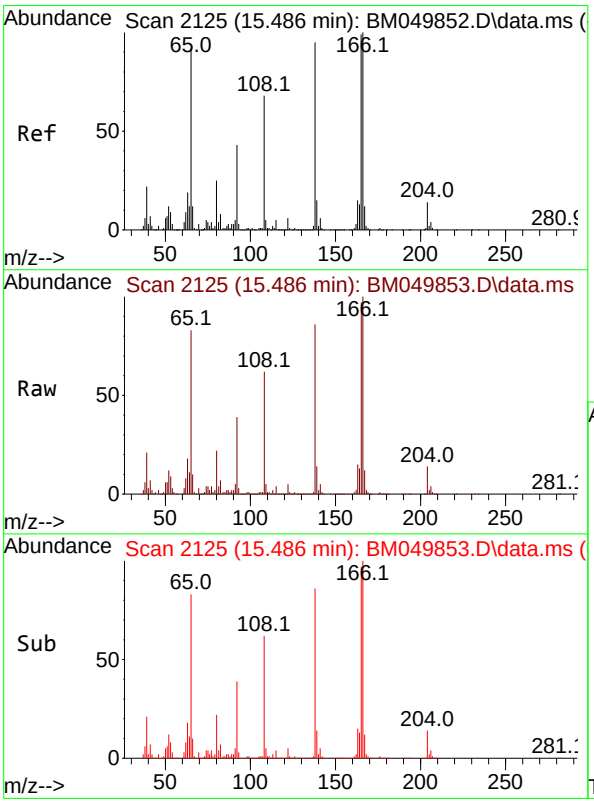
#61
4-Chlorophenyl-phenylether
Concen: 51.296 ng
RT: 15.468 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 1598783

Ion	Ratio	Lower	Upper
204	100		
206	32.2	26.2	39.2
141	42.2	35.0	52.6

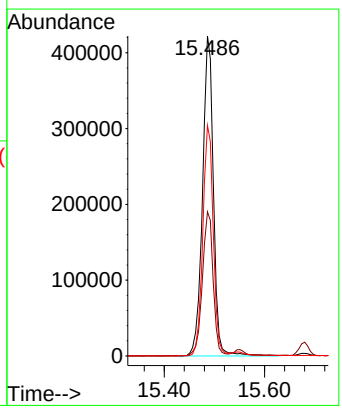


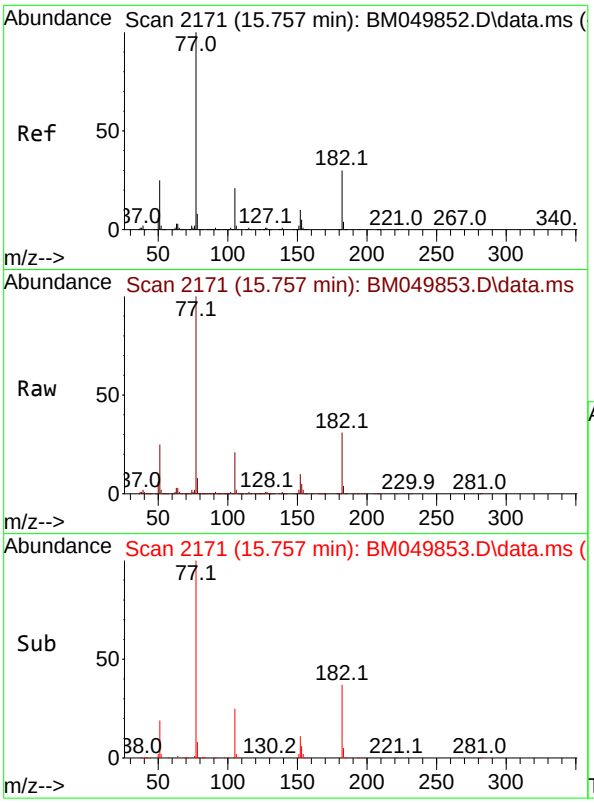


#62
4-Nitroaniline
Concen: 53.470 ng
RT: 15.486 min Scan# 2125
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:138 Resp: 638370

Ion	Ratio	Lower	Upper
138	100		
92	45.1	24.9	64.9
108	72.1	51.7	91.7



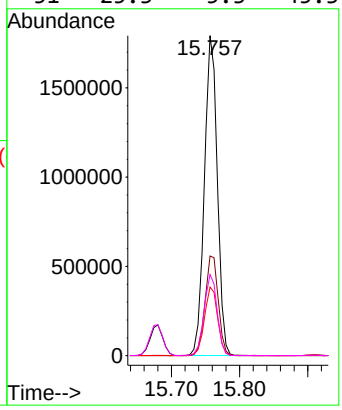


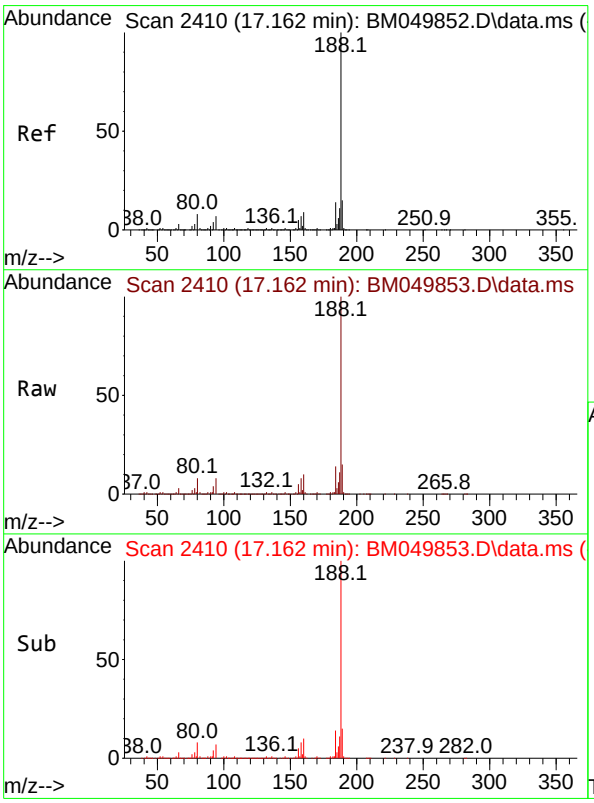
#63
Azobenzene
Concen: 50.372 ng
RT: 15.757 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 2357839

Ion	Ratio	Lower	Upper
77	100		
182	31.2	10.4	50.4
105	21.4	1.5	41.5
51	25.3	5.3	45.3

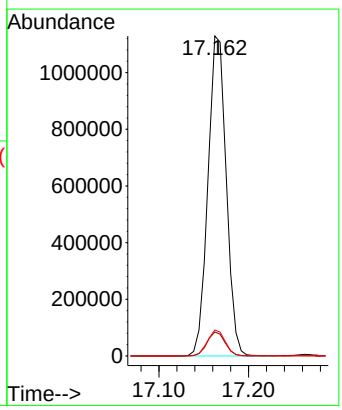


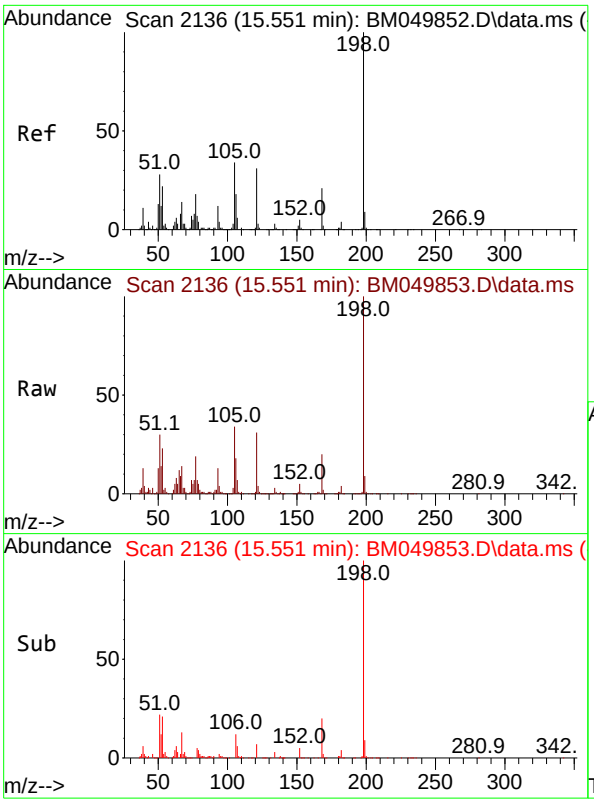


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.162 min Scan# 2410
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:188 Resp: 1599813

Ion	Ratio	Lower	Upper
188	100		
94	7.5	5.8	8.6
80	8.1	6.4	9.6



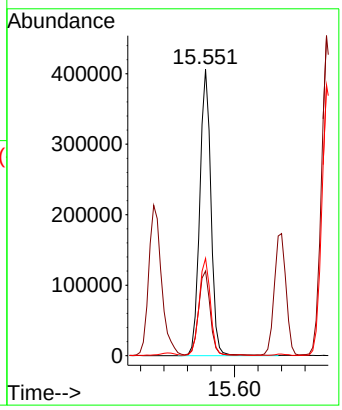


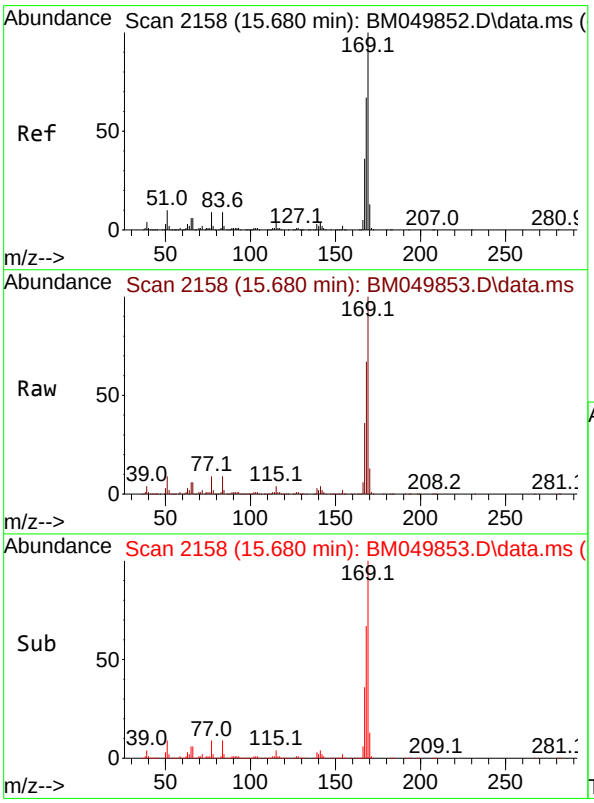
#65
4,6-Dinitro-2-methylphenol
Concen: 52.759 ng
RT: 15.551 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 531880

Ion	Ratio	Lower	Upper
198	100		
51	29.6	9.6	49.6
105	34.0	14.7	54.7

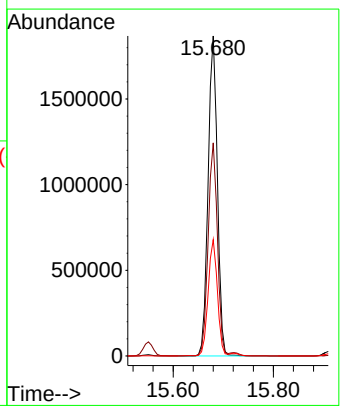


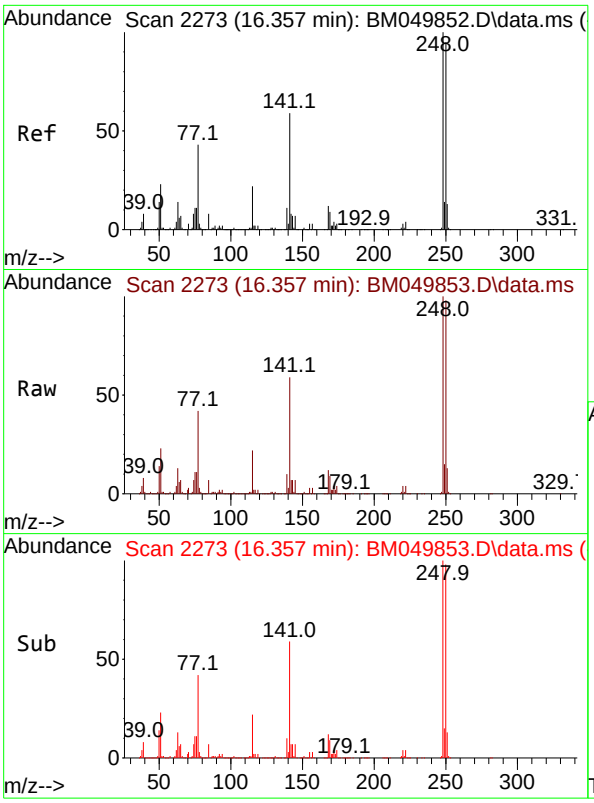


#66
n-Nitrosodiphenylamine
Concen: 50.273 ng
RT: 15.680 min Scan# 2158
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:169 Resp: 2406908

Ion	Ratio	Lower	Upper
169	100		
168	66.6	53.4	80.2
167	36.4	29.0	43.6



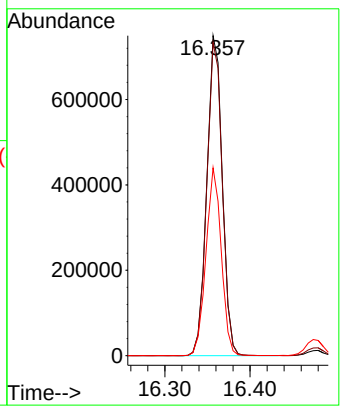


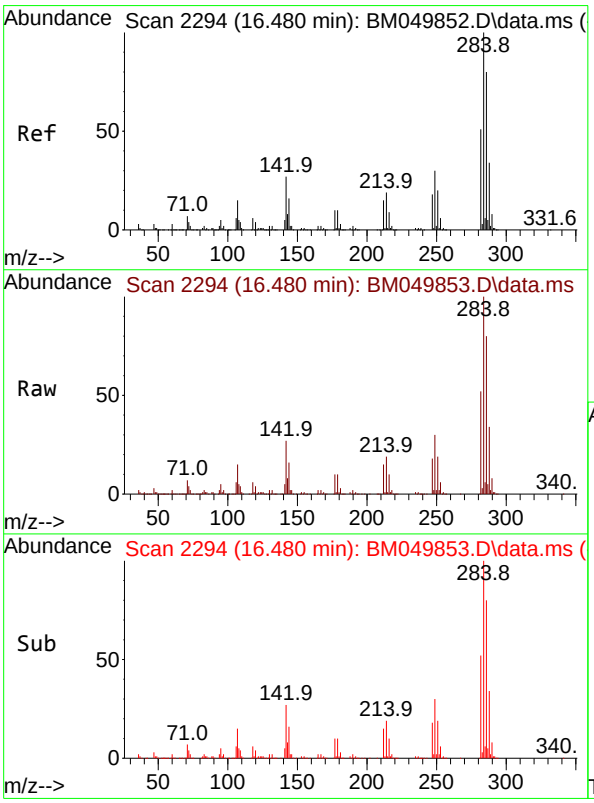
#67
4-Bromophenyl-phenylether
Concen: 50.970 ng
RT: 16.357 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:248 Resp: 946616

Ion	Ratio	Lower	Upper
248	100		
250	97.8	76.2	114.2
141	58.7	47.3	70.9

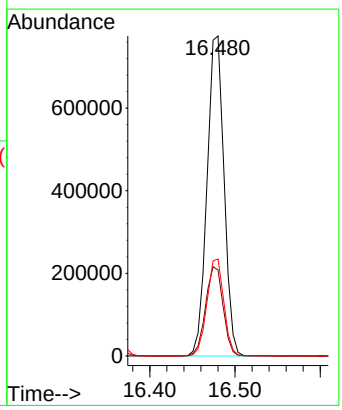


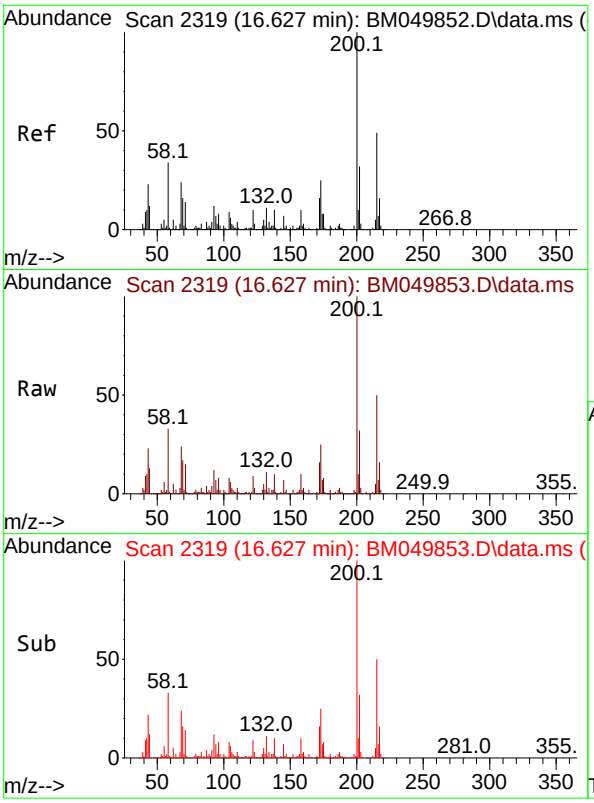


#68
Hexachlorobenzene
Concen: 50.357 ng
RT: 16.480 min Scan# 2294
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:284 Resp: 1072736

Ion	Ratio	Lower	Upper
284	100		
142	26.8	21.2	31.8
249	30.3	24.1	36.1



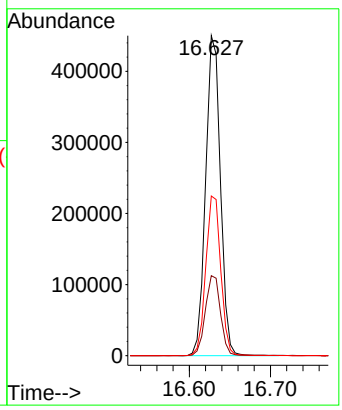


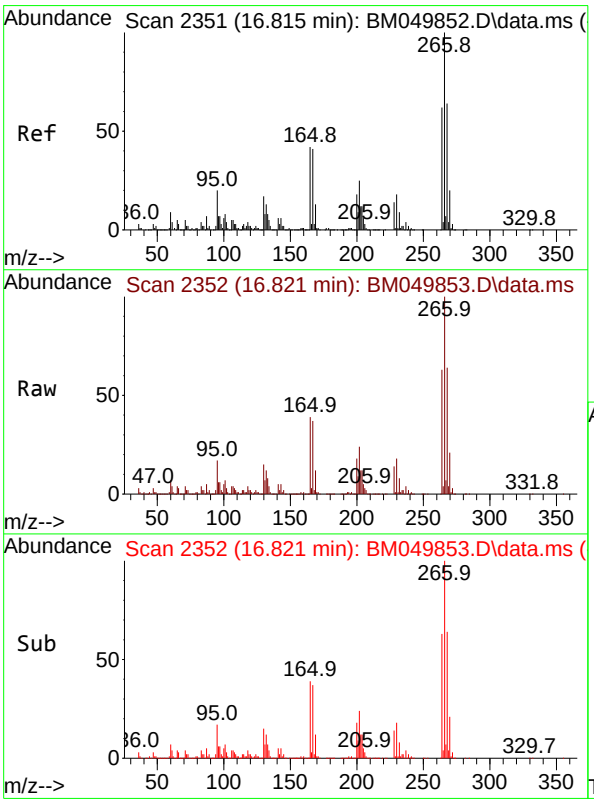
#69
Atrazine
Concen: 45.708 ng
RT: 16.627 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:200 Resp: 567392

Ion	Ratio	Lower	Upper
200	100		
173	25.0	5.4	45.4
215	49.9	29.0	69.0

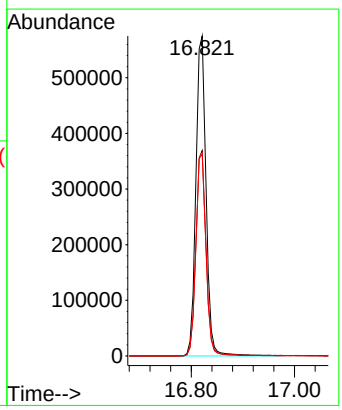


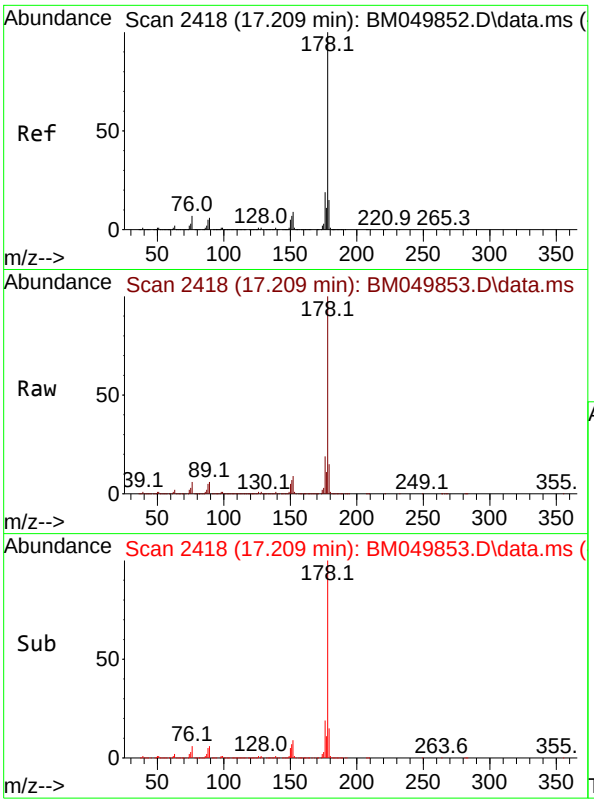


#70
Pentachlorophenol
Concen: 50.132 ng
RT: 16.821 min Scan# 2352
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:266 Resp: 786228

Ion	Ratio	Lower	Upper
266	100		
268	64.2	51.4	77.2
264	63.0	49.8	74.8



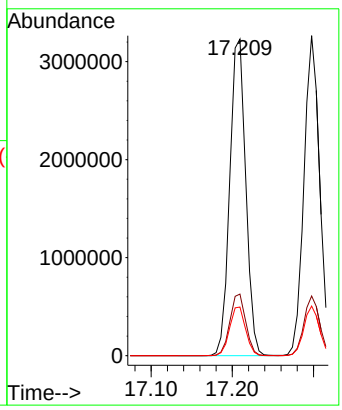


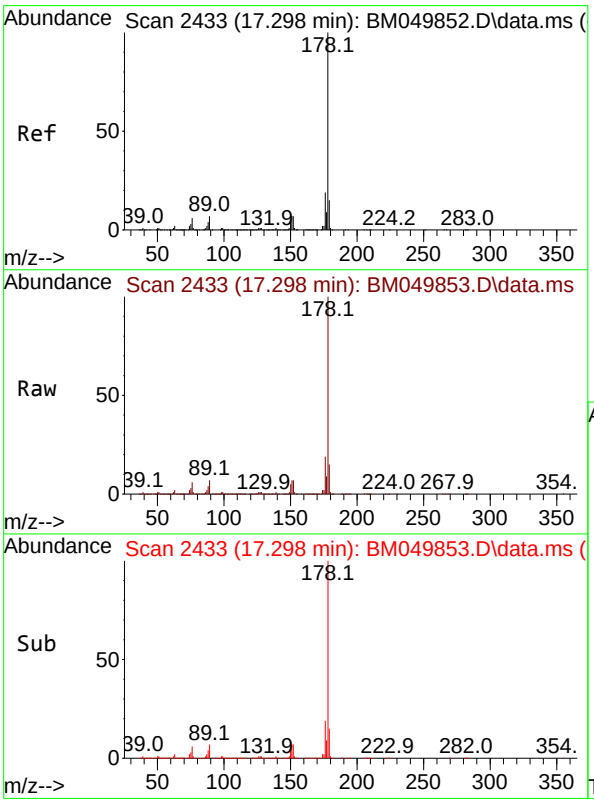
#71
Phenanthrene
Concen: 50.352 ng
RT: 17.209 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 4416317

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.2
179	15.4	12.3	18.5

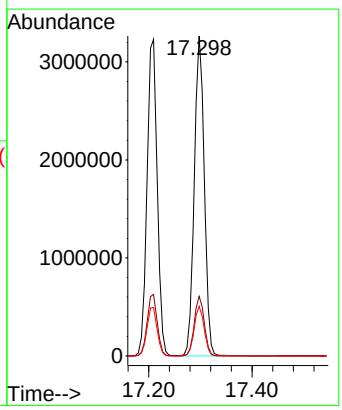


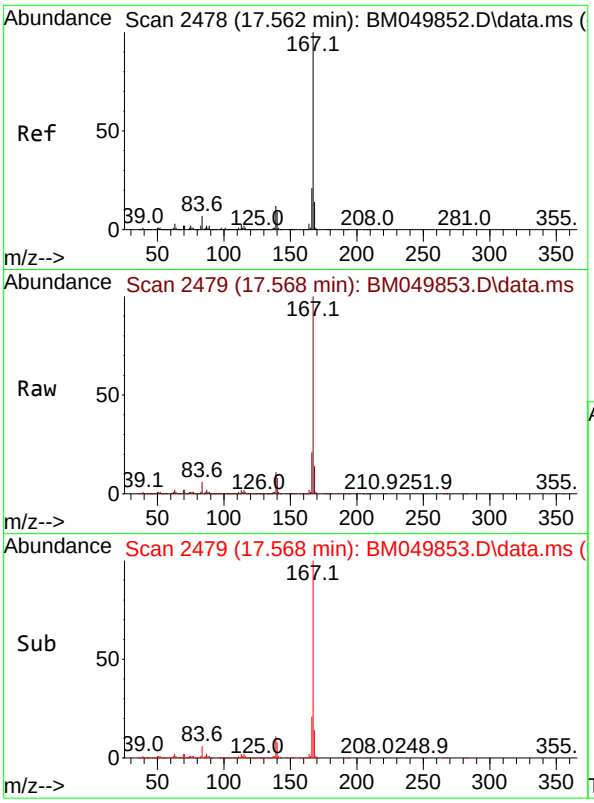


#72
Anthracene
Concen: 50.841 ng
RT: 17.298 min Scan# 2433
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:178 Resp: 4394410

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



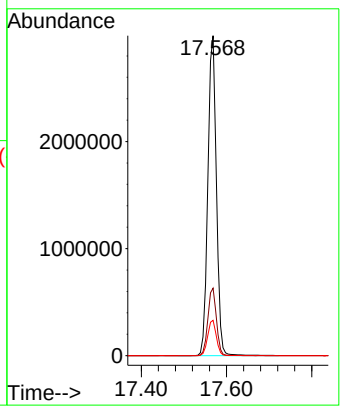


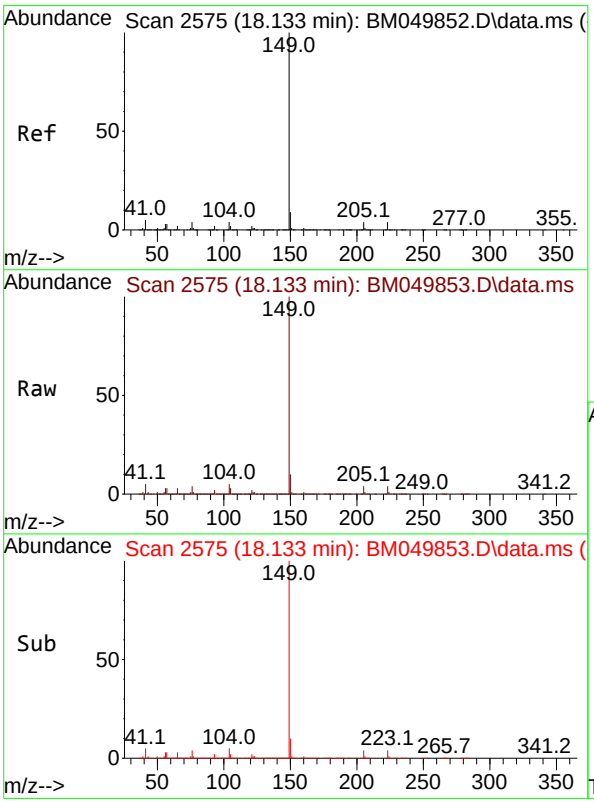
#73
Carbazole
Concen: 50.973 ng
RT: 17.568 min Scan# 24
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:167 Resp: 4149752

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

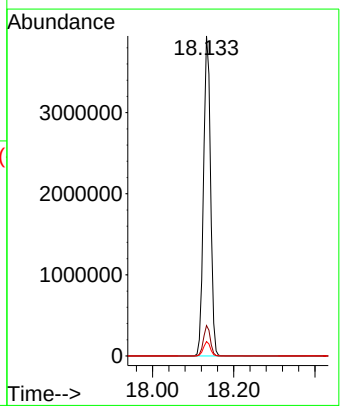


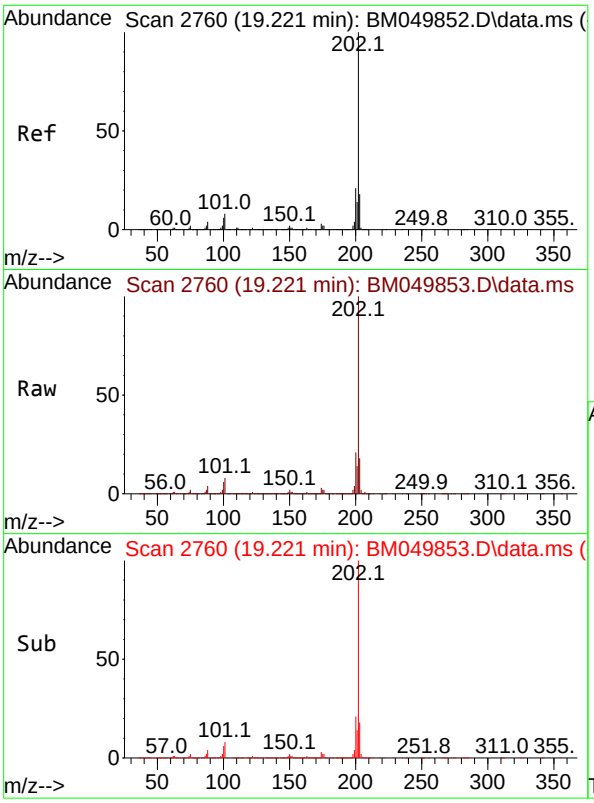


#74
Di-n-butylphthalate
Concen: 50.149 ng
RT: 18.133 min Scan# 2575
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:149 Resp: 4702392

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.5	11.3
104	4.5	3.5	5.3



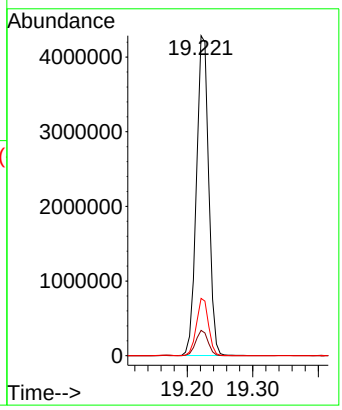


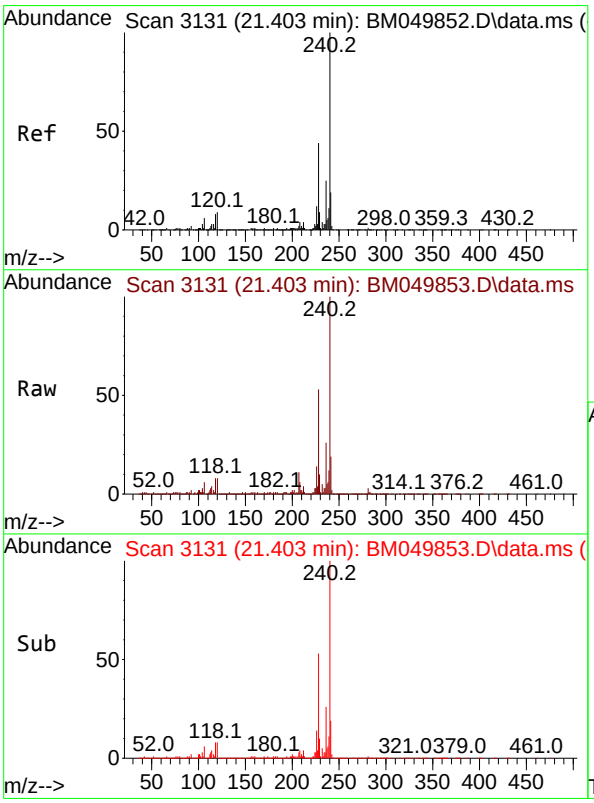
#75
Fluoranthene
Concen: 51.729 ng
RT: 19.221 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:202 Resp: 5578449

Ion	Ratio	Lower	Upper
202	100		
101	7.9	0.0	28.4
203	17.9	0.0	37.8

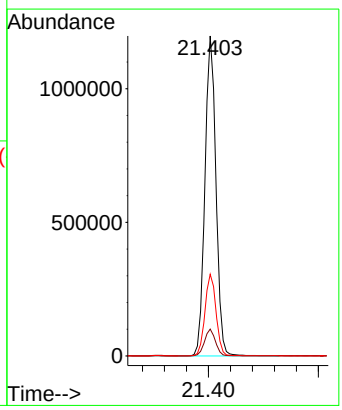


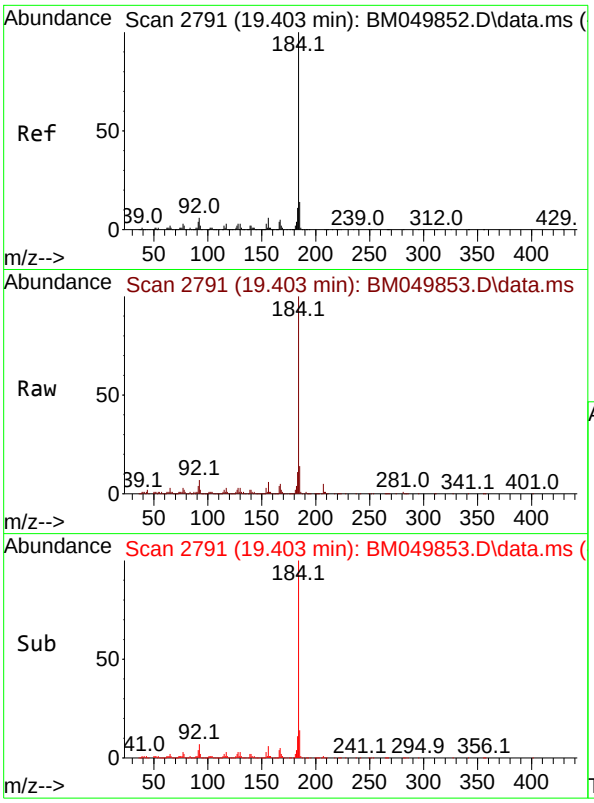


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:240 Resp: 1661195

Ion	Ratio	Lower	Upper
240	100		
120	8.4	6.9	10.3
236	25.6	20.4	30.6



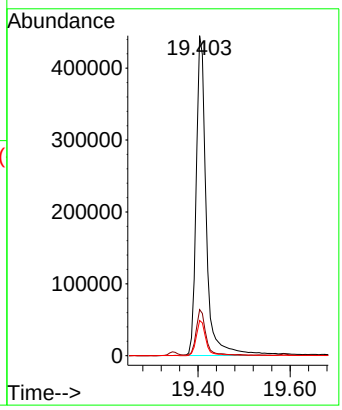


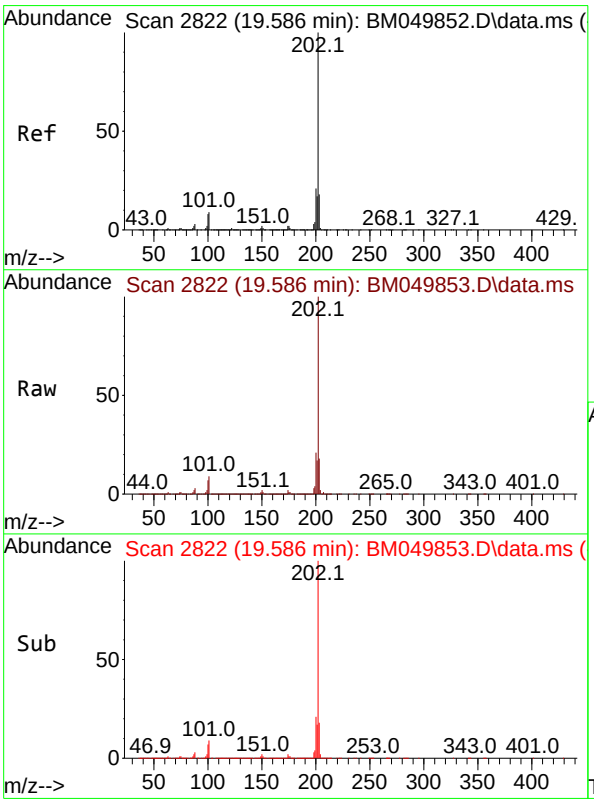
#77
Benzidine
Concen: 30.737 ng
RT: 19.403 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:184 Resp: 677381

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.4	17.2
183	11.0	8.8	13.2

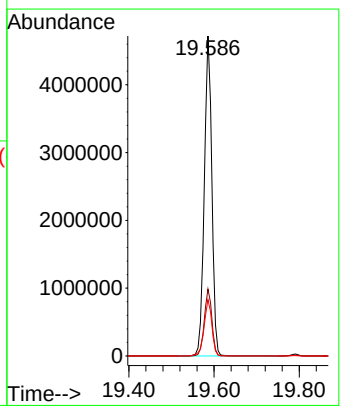


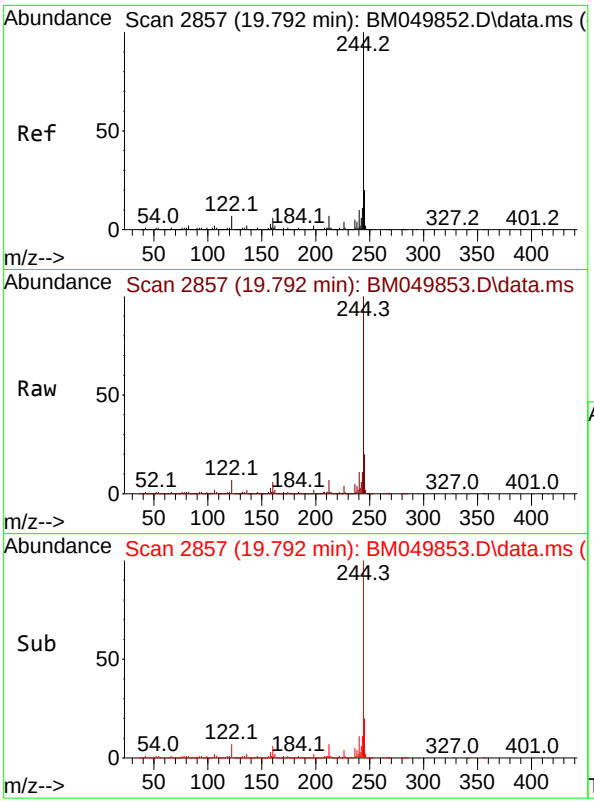


#78
Pyrene
Concen: 50.533 ng
RT: 19.586 min Scan# 2822
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:202 Resp: 5785386

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.5	24.7
203	17.6	14.0	21.0



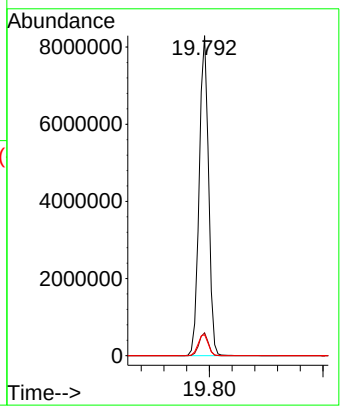


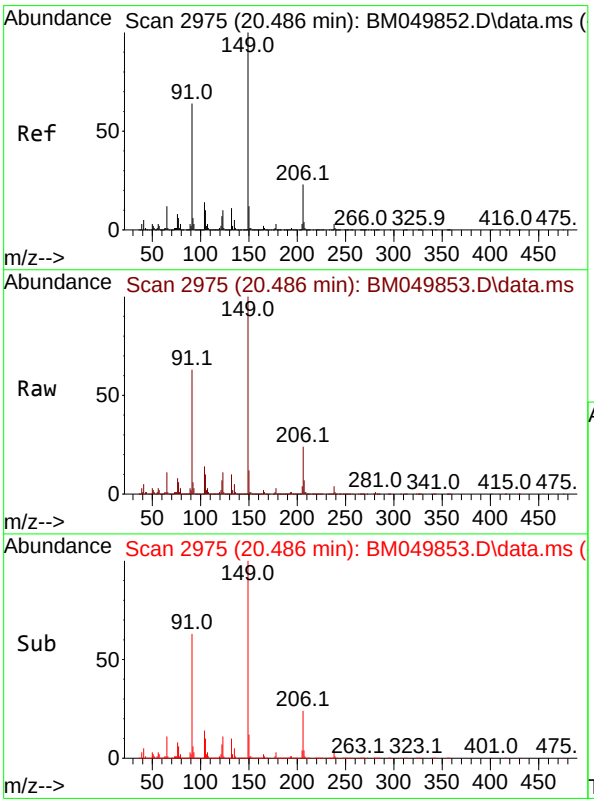
#79
Terphenyl-d14
Concen: 106.980 ng
RT: 19.792 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:244 Resp: 9482895

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.5	8.3
122	6.5	5.4	8.0

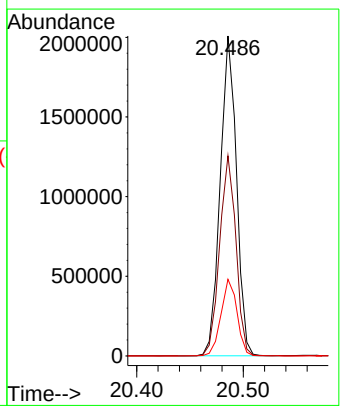


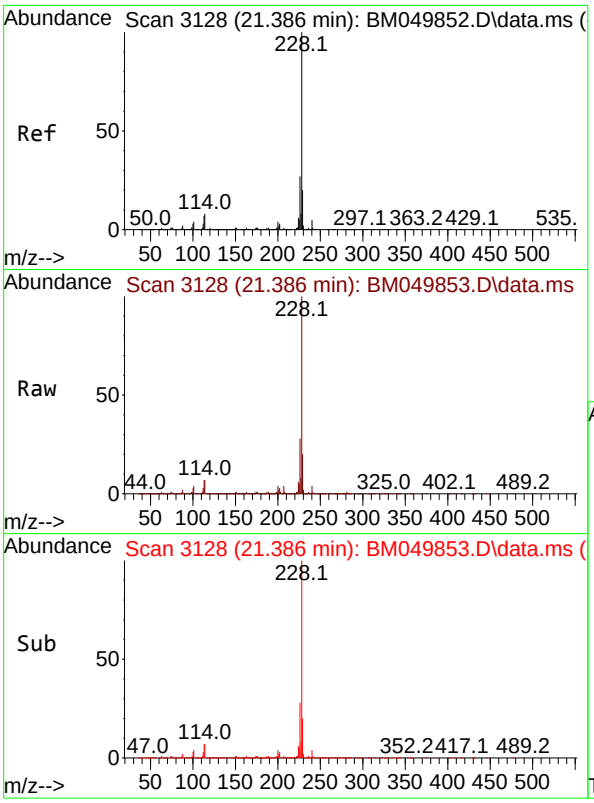


#80
Butylbenzylphthalate
Concen: 49.311 ng
RT: 20.486 min Scan# 2975
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:149 Resp: 2121299

Ion	Ratio	Lower	Upper
149	100		
91	62.5	50.9	76.3
206	23.9	18.4	27.6



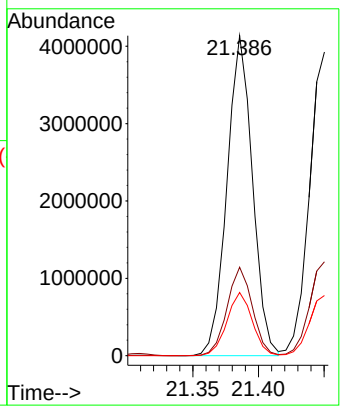


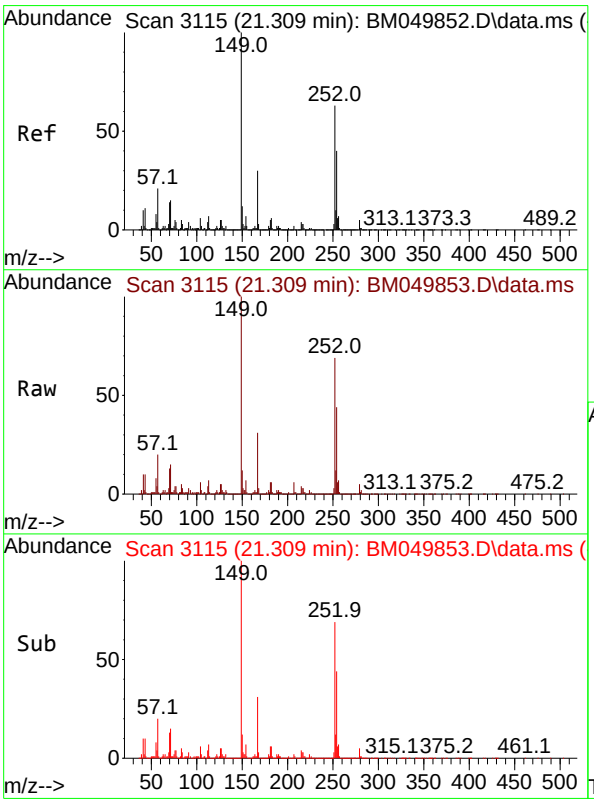
#81
Benzo(a)anthracene
Concen: 50.600 ng
RT: 21.386 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 5586396

Ion	Ratio	Lower	Upper
228	100		
226	27.7	21.8	32.8
229	19.8	15.8	23.8

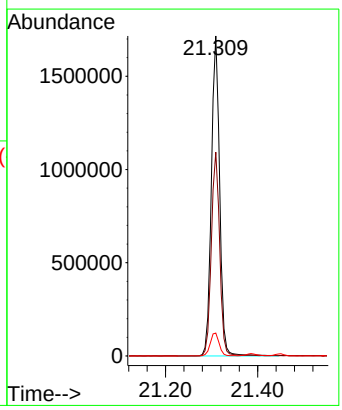


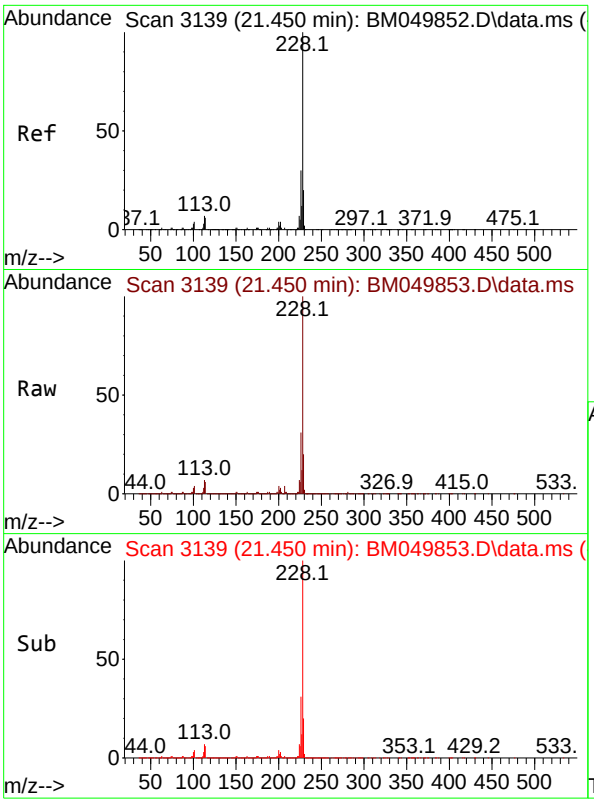


#82
3,3'-Dichlorobenzidine
Concen: 51.399 ng
RT: 21.309 min Scan# 3115
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:252 Resp: 2142953

Ion	Ratio	Lower	Upper
252	100		
254	63.7	51.5	77.3
126	7.1	6.3	9.5



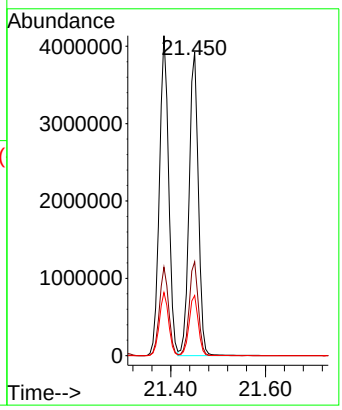


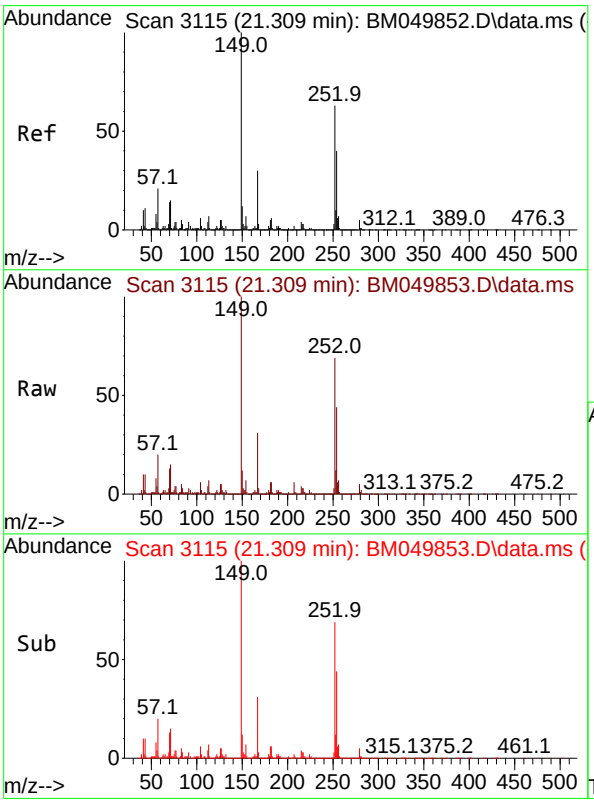
#83
Chrysene
Concen: 50.547 ng
RT: 21.450 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 5305401

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.1	36.1
229	19.8	15.8	23.6

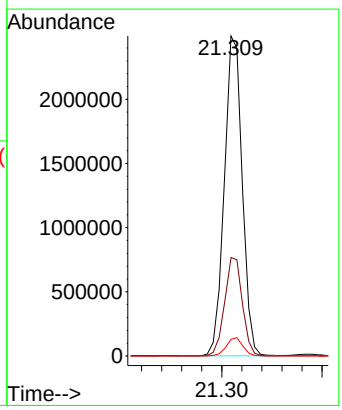


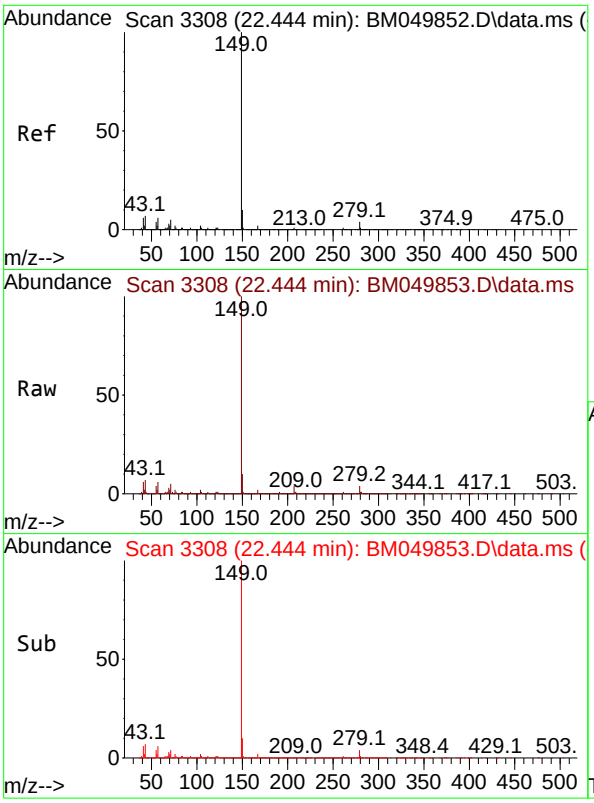


#84
Bis(2-ethylhexyl)phthalate
Concen: 49.035 ng
RT: 21.309 min Scan# 3115
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:149 Resp: 3073374

Ion	Ratio	Lower	Upper
149	100		
167	30.8	23.8	35.6
279	5.2	3.8	5.8



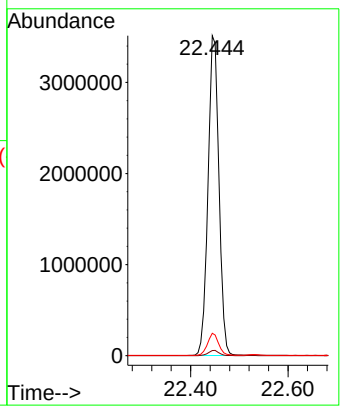


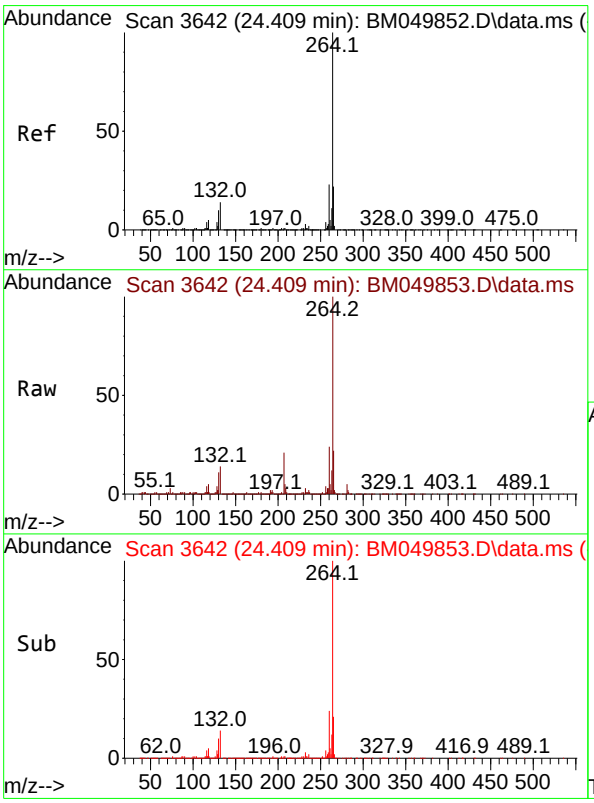
#85
Di-n-octyl phthalate
Concen: 49.516 ng
RT: 22.444 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 5429342

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.0	5.8	8.6

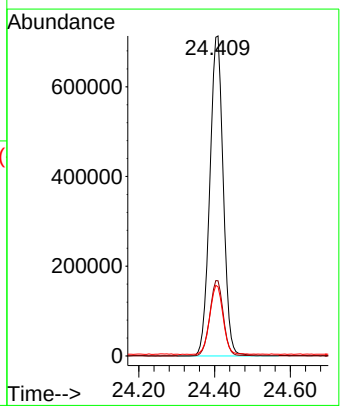


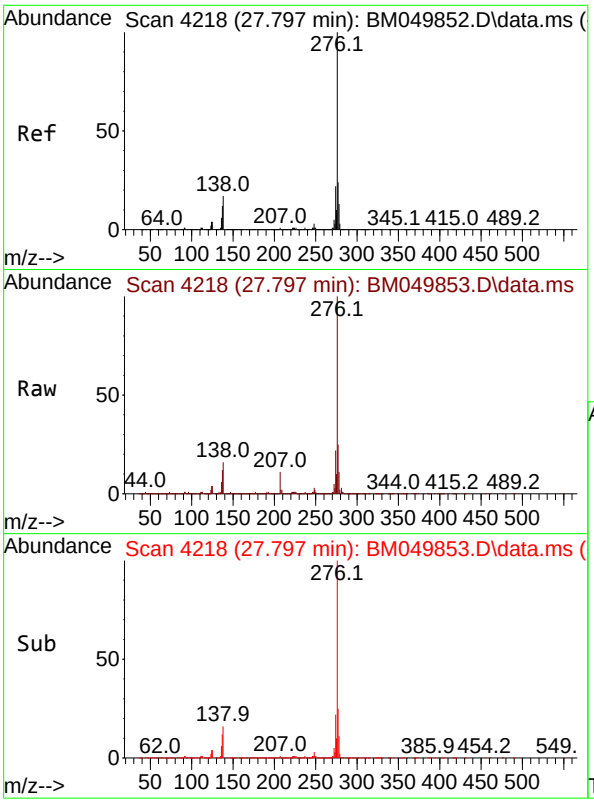


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.409 min Scan# 3642
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:264 Resp: 1751474

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	28.0
265	21.6	17.8	26.8



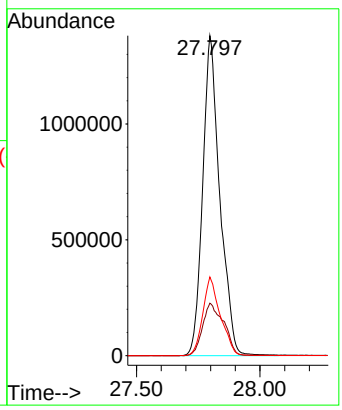


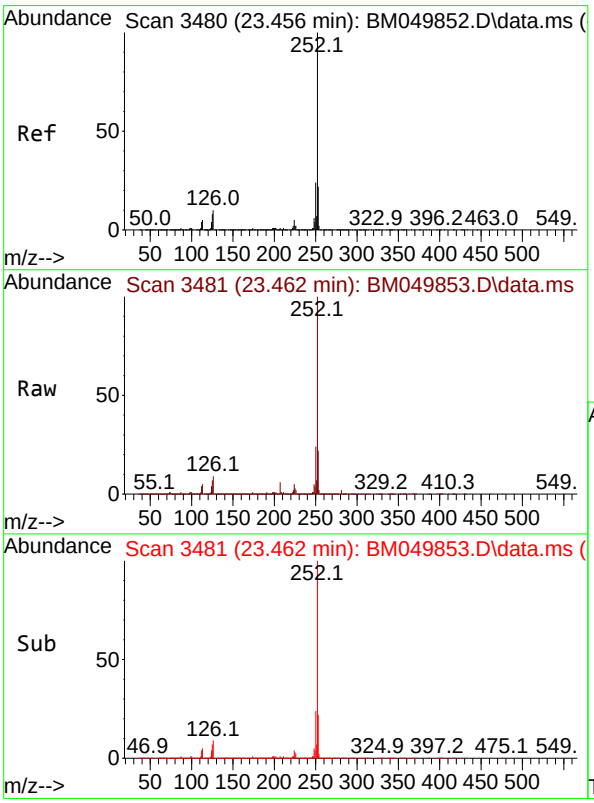
#87
Indeno(1,2,3-cd)pyrene
Concen: 51.094 ng
RT: 27.797 min Scan# 4
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:276 Resp: 6670738

Ion	Ratio	Lower	Upper
276	100		
138	20.3	16.8	25.2
277	25.2	20.1	30.1

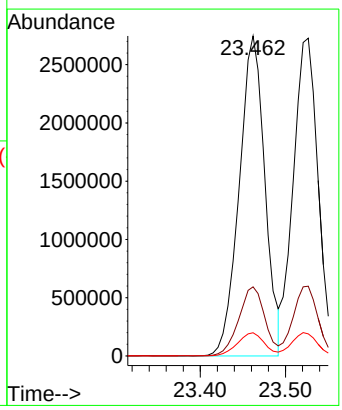


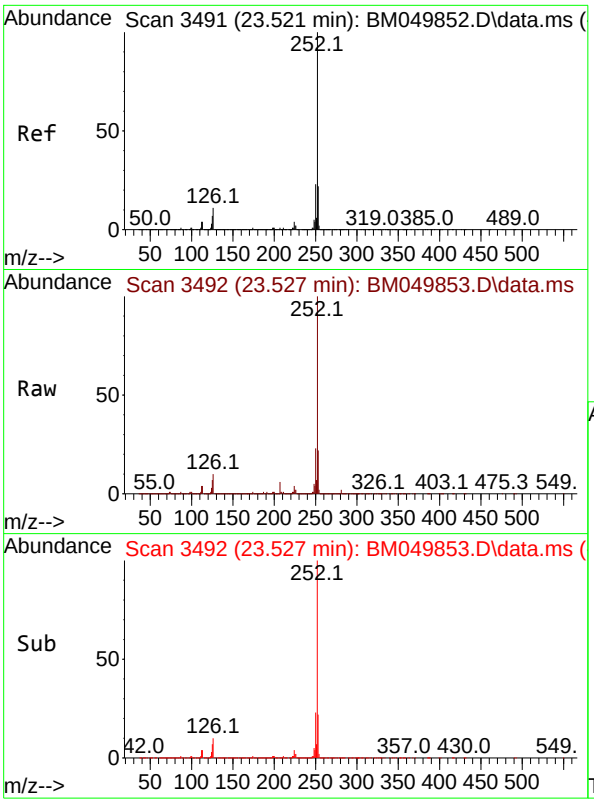


#88
Benzo(b)fluoranthene
Concen: 51.416 ng
RT: 23.462 min Scan# 3481
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:252 Resp: 5751381

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	7.2	6.2	9.4



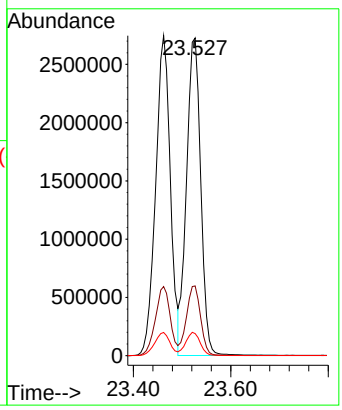


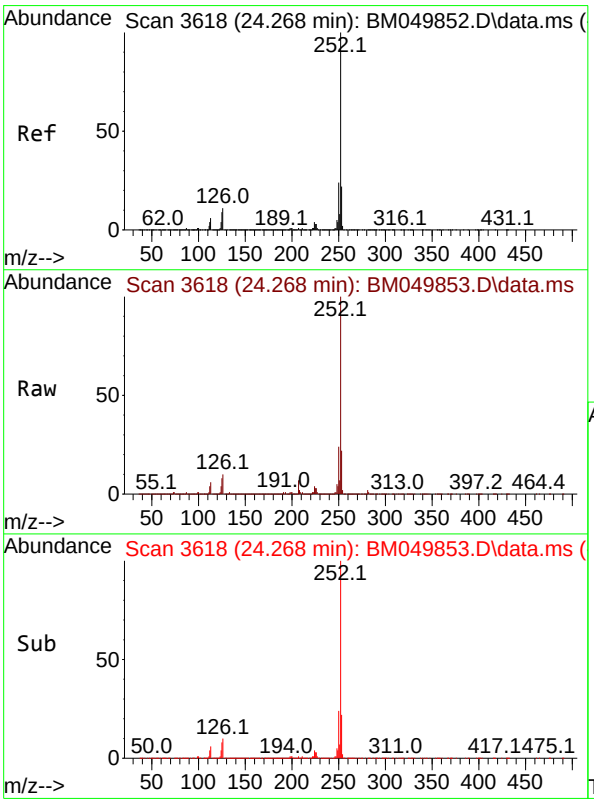
#89
Benzo(k)fluoranthene
Concen: 51.024 ng
RT: 23.527 min Scan# 34
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:252 Resp: 5530993

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	7.0	5.8	8.8

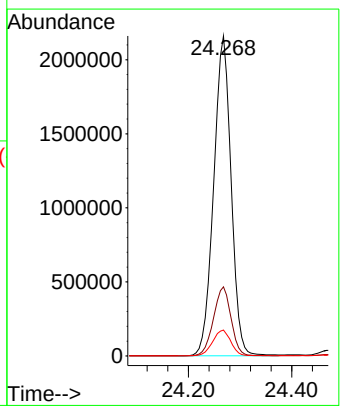


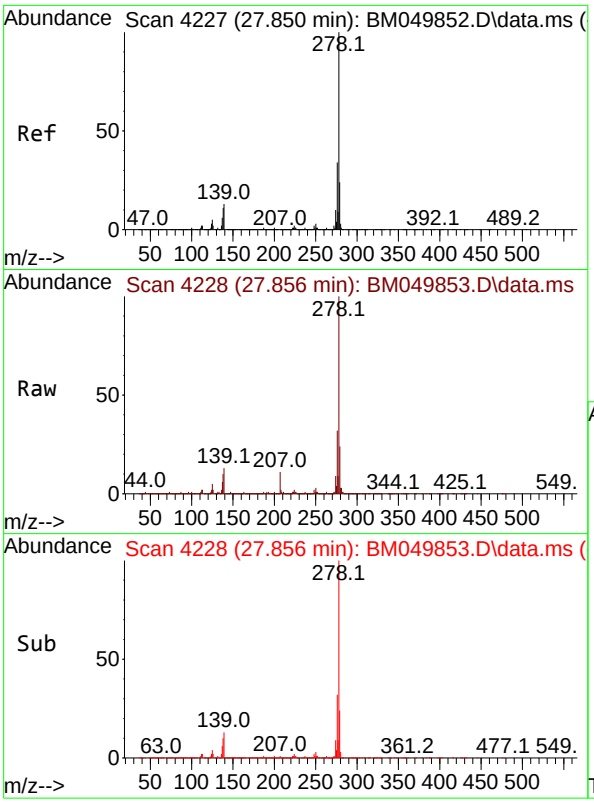


#90
Benzo(a)pyrene
Concen: 51.404 ng
RT: 24.268 min Scan# 3618
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:252 Resp: 5052750

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.8	26.8
125	8.1	7.0	10.4



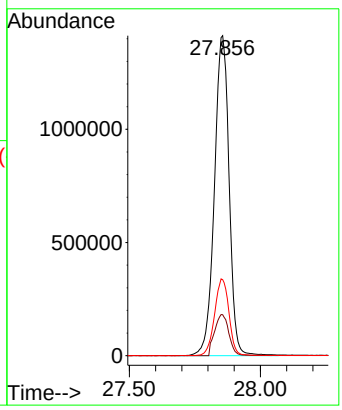


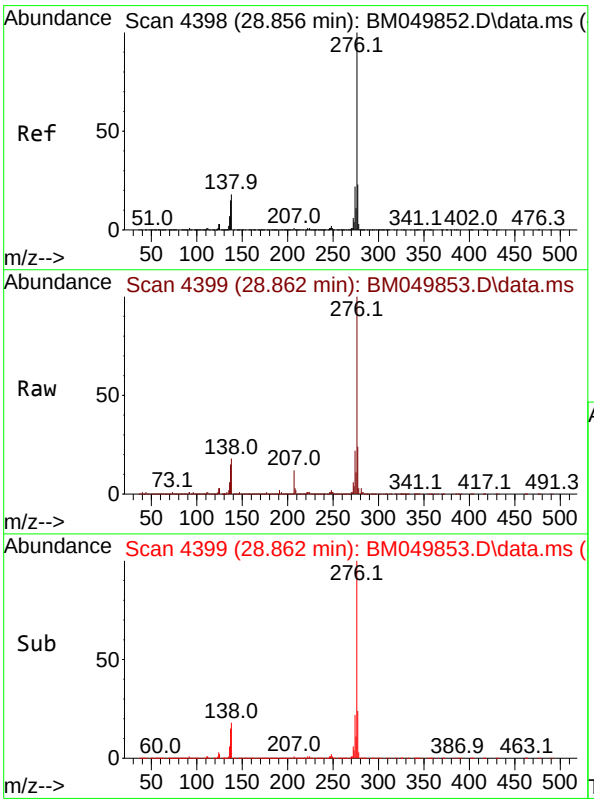
#91
Dibenzo(a,h)anthracene
Concen: 51.229 ng
RT: 27.856 min Scan# 4
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 5509091

Ion	Ratio	Lower	Upper
278	100		
139	12.8	10.6	15.8
279	23.8	19.1	28.7

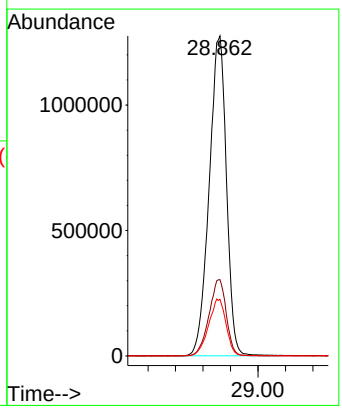




#92
Benzo(g,h,i)perylene
Concen: 50.555 ng
RT: 28.862 min Scan# 4399
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:276 Resp: 5555532

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.7	28.1
138	17.7	14.6	21.8



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049854.D
Acq On : 08 Apr 2025 19:28
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.781	152	401721	20.000	ng	0.00
21) Naphthalene-d8	10.574	136	1393866	20.000	ng	0.00
39) Acenaphthene-d10	14.421	164	925425	20.000	ng	0.00
64) Phenanthrene-d10	17.162	188	1882039	20.000	ng	0.00
76) Chrysene-d12	21.403	240	2018201	20.000	ng	0.00
86) Perylene-d12	24.403	264	2103239	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	2915551	123.240	ng	0.00
7) Phenol-d6	6.957	99	3719224	126.357	ng	0.00
23) Nitrobenzene-d5	8.939	82	3092938	123.564	ng	0.00
42) 2,4,6-Tribromophenol	15.915	330	1794801	133.337	ng	0.00
45) 2-Fluorobiphenyl	13.045	172	8226257	120.538	ng	0.00
79) Terphenyl-d14	19.792	244	12189474	113.188	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.263	88	567230	58.219	ng	99
3) Pyridine	3.663	79	1539926m	60.181	ng	
4) n-Nitrosodimethylamine	3.569	42	602879	61.887	ng	99
6) Aniline	7.110	93	1376743	54.586	ng	99
8) 2-Chlorophenol	7.351	128	1492657	61.567	ng	98
9) Benzaldehyde	6.916	77	844385	55.949	ng	98
10) Phenol	6.981	94	1803027	62.772	ng	99
11) bis(2-Chloroethyl)ether	7.204	93	1398201	62.074	ng	99
12) 1,3-Dichlorobenzene	7.669	146	1736609	60.586	ng	99
13) 1,4-Dichlorobenzene	7.816	146	1753895	60.812	ng	99
14) 1,2-Dichlorobenzene	8.133	146	1638164	60.303	ng	99
15) Benzyl Alcohol	8.022	79	1196792	64.570	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.310	45	1519404	60.520	ng	99
17) 2-Methylphenol	8.228	107	1109262	62.667	ng	99
18) Hexachloroethane	8.863	117	603367	60.131	ng	95
19) n-Nitroso-di-n-propyla...	8.592	70	1035835	63.539	ng	97
20) 3+4-Methylphenols	8.557	107	1533520	63.547	ng	99
22) Acetophenone	8.604	105	2066135	60.992	ng	99
24) Nitrobenzene	8.980	77	1477263	61.291	ng	98
25) Isophorone	9.510	82	2626388	62.634	ng	99
26) 2-Nitrophenol	9.686	139	824140	64.513	ng	99
27) 2,4-Dimethylphenol	9.757	122	923795	63.809	ng	99
28) bis(2-Chloroethoxy)met...	9.986	93	1734345	61.780	ng	100
29) 2,4-Dichlorophenol	10.227	162	1520625	63.187	ng	99
30) 1,2,4-Trichlorobenzene	10.439	180	1724659	61.949	ng	100
31) Naphthalene	10.627	128	4391063	61.309	ng	100
32) Benzoic acid	9.927	122	1181344	62.653	ng	98
33) 4-Chloroaniline	10.733	127	1503047	59.431	ng	99
34) Hexachlorobutadiene	10.916	225	1064394	61.808	ng	97
35) Caprolactam	11.533	113	445396	64.529	ng	99
36) 4-Chloro-3-methylphenol	11.868	107	1364157	64.713	ng	99
37) 2-Methylnaphthalene	12.239	142	3184369	63.104	ng	99
38) 1-Methylnaphthalene	12.457	142	3091968	62.893	ng	100
40) 1,2,4,5-Tetrachloroben...	12.610	216	2002675	61.857	ng	99
41) Hexachlorocyclopentadiene	12.592	237	714895	63.016	ng	98
43) 2,4,6-Trichlorophenol	12.851	196	1274694	61.873	ng	98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049854.D
Acq On : 08 Apr 2025 19:28
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.927	196	1399112	62.494	ng		99
46) 1,1'-Biphenyl	13.257	154	4137656	60.146	ng		99
47) 2-Chloronaphthalene	13.298	162	3226867	59.679	ng		98
48) 2-Nitroaniline	13.498	65	795093	63.562	ng		100
49) Acenaphthylene	14.145	152	4818221	61.175	ng		100
50) Dimethylphthalate	13.886	163	4013924	61.481	ng		100
51) 2,6-Dinitrotoluene	13.998	165	881430	64.439	ng		96
52) Acenaphthene	14.486	154	3082249	61.523	ng		99
53) 3-Nitroaniline	14.327	138	819114	61.958	ng		97
54) 2,4-Dinitrophenol	14.533	184	589583	61.369	ng		97
55) Dibenzofuran	14.821	168	5168643	61.715	ng		98
56) 4-Nitrophenol	14.645	139	793938	67.391	ng		96
57) 2,4-Dinitrotoluene	14.786	165	1222834	67.011	ng		96
58) Fluorene	15.474	166	4134865	62.111	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.051	232	1221259	62.237	ng		97
60) Diethylphthalate	15.251	149	3826285	61.113	ng		98
61) 4-Chlorophenyl-phenyle...	15.468	204	2303745	64.546	ng		96
62) 4-Nitroaniline	15.492	138	906760	66.324	ng		98
63) Azobenzene	15.756	77	3310558	61.760	ng		99
65) 4,6-Dinitro-2-methylph...	15.551	198	778887	65.675	ng		98
66) n-Nitrosodiphenylamine	15.680	169	3444083	61.149	ng		99
67) 4-Bromophenyl-phenylether	16.356	248	1396751	63.930	ng		96
68) Hexachlorobenzene	16.480	284	1574846	62.842	ng		98
70) Pentachlorophenol	16.821	266	1149017	62.277	ng		99
71) Phenanthrene	17.209	178	6405696	62.082	ng		100
72) Anthracene	17.298	178	6349450	62.444	ng		99
73) Carbazole	17.568	167	5982768	62.468	ng		99
74) Di-n-butylphthalate	18.133	149	6724032	60.955	ng		100
75) Fluoranthene	19.227	202	8260007	65.108	ng		98
77) Benzidine	19.403	184	909121	33.955	ng		100
78) Pyrene	19.586	202	8591752	61.771	ng		98
80) Butylbenzylphthalate	20.486	149	3123457	59.763	ng		97
81) Benzo(a)anthracene	21.386	228	8424711	62.811	ng		99
82) 3,3'-Dichlorobenzidine	21.309	252	3254534	64.252	ng		99
83) Chrysene	21.450	228	7979154	62.573	ng		98
84) Bis(2-ethylhexyl)phtha...	21.315	149	4400467	57.790	ng	#	95
85) Di-n-octyl phthalate	22.450	149	7938550	59.593	ng		99
87) Indeno(1,2,3-cd)pyrene	27.809	276	9952687	63.483	ng		99
88) Benzo(b)fluoranthene	23.462	252	8702237	64.785	ng		99
89) Benzo(k)fluoranthene	23.527	252	8428431	64.749	ng		99
90) Benzo(a)pyrene	24.268	252	7629106	64.633	ng		99
91) Dibenzo(a,h)anthracene	27.862	278	8206056	63.546	ng		99
92) Benzo(g,h,i)perylene	28.867	276	8265853	62.639	ng		99

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

ICAL Form

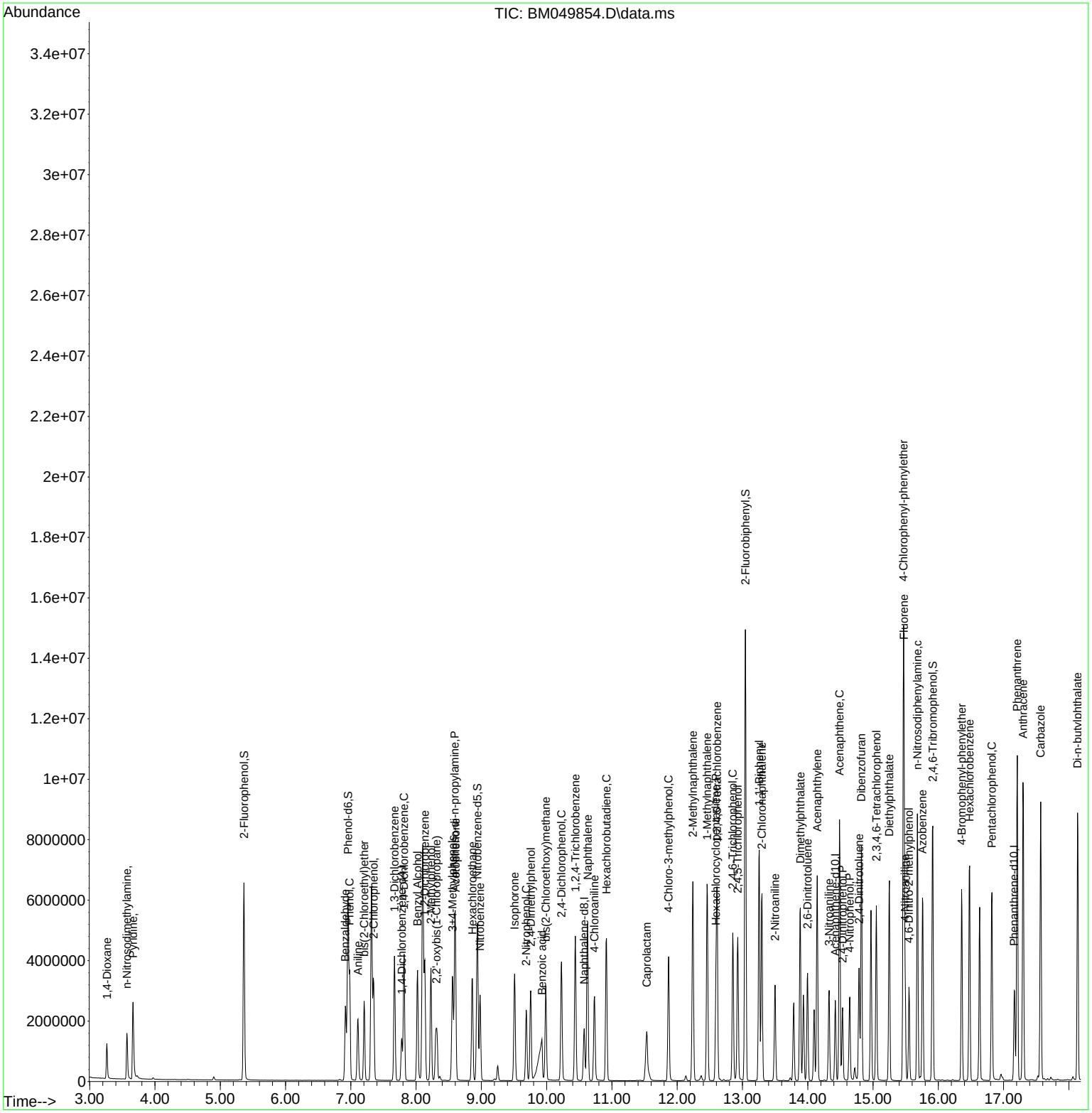
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Data File : BM049854.D
Acq On : 08 Apr 2025 19:28
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 11 Sample Multiplier: 1

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

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

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



ICAL Form

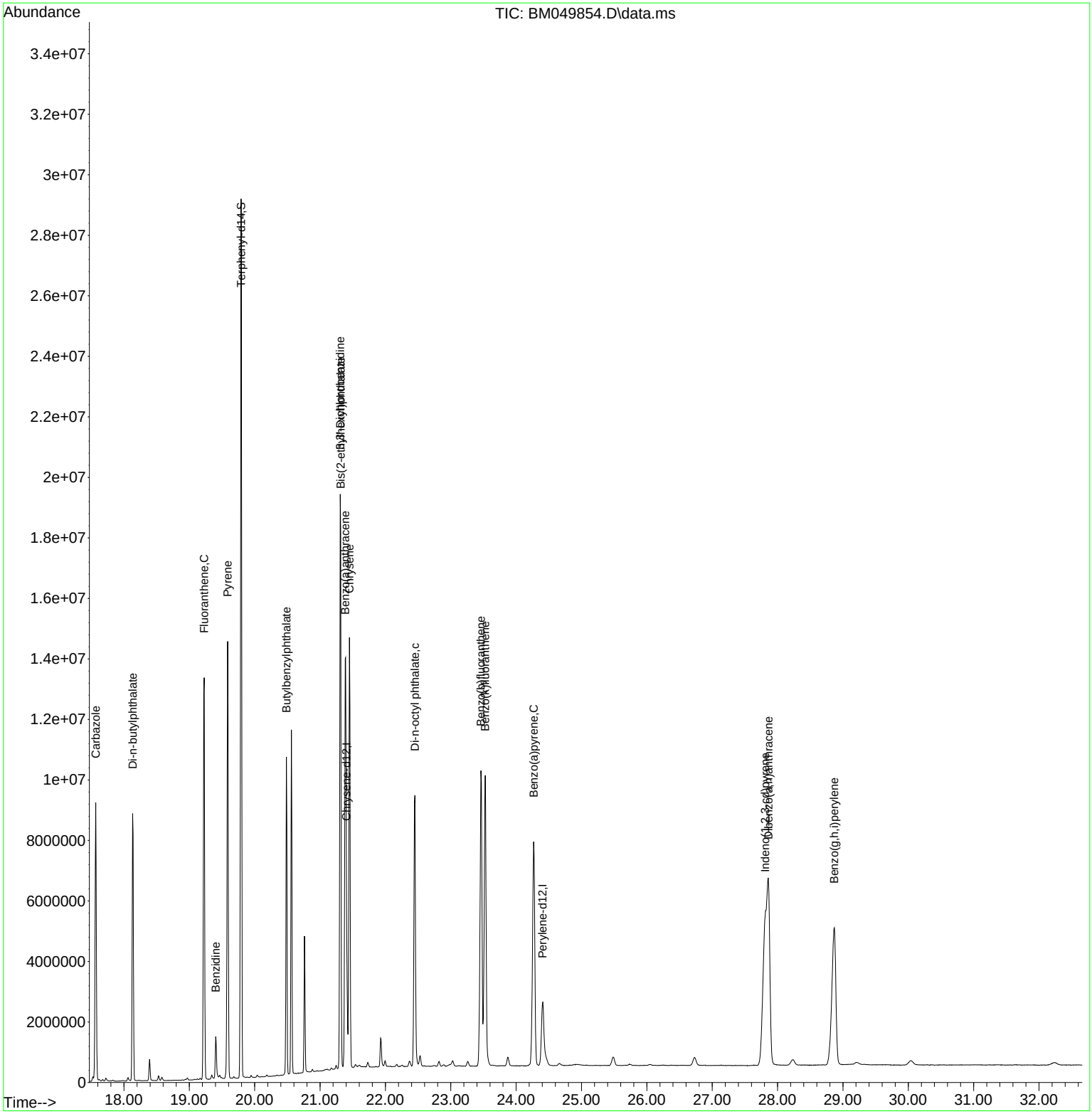
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Acq On : 08 Apr 2025 19:28
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 11 Sample Multiplier: 1

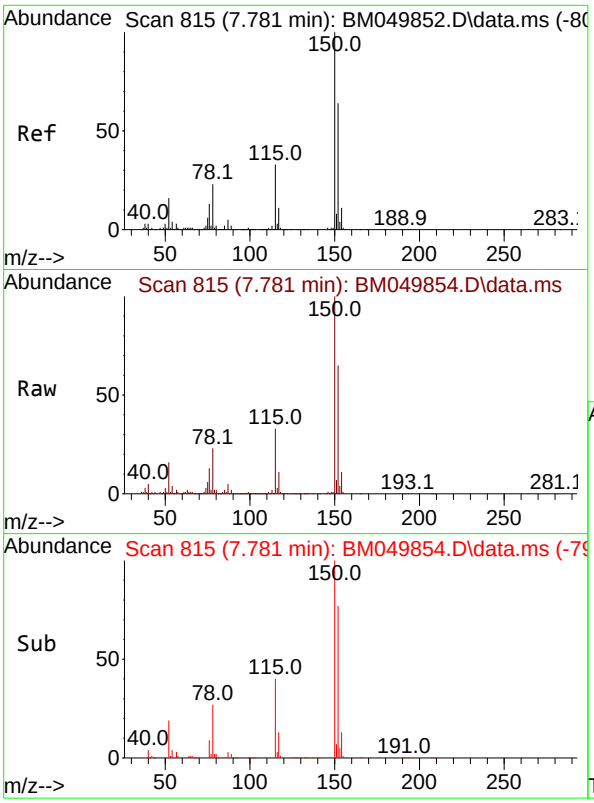
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/09/2025
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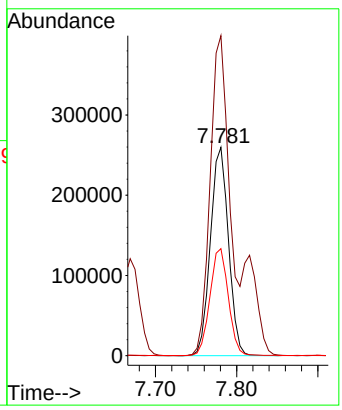




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.781 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:152 Resp: 40172

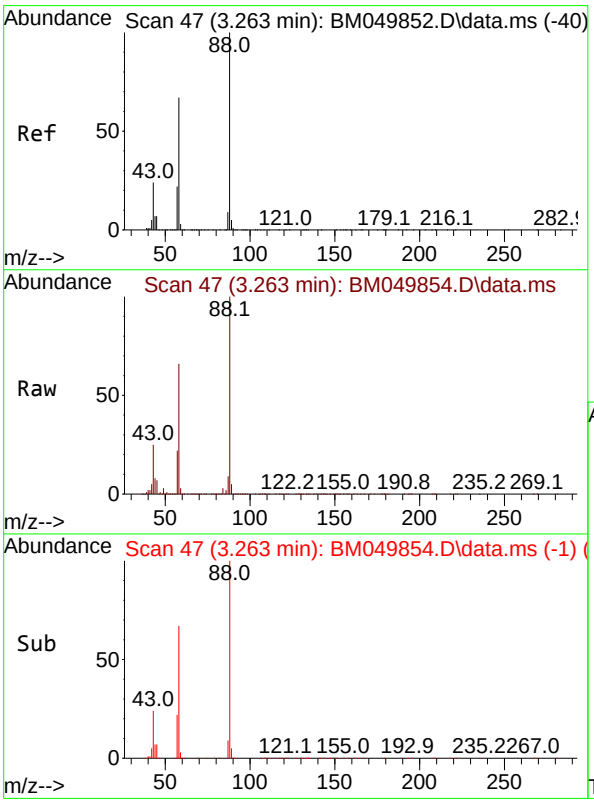
Ion	Ratio	Lower	Upper
152	100		
150	153.6	124.3	186.5
115	51.4	41.1	61.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

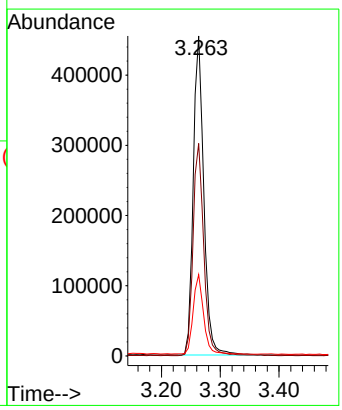
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

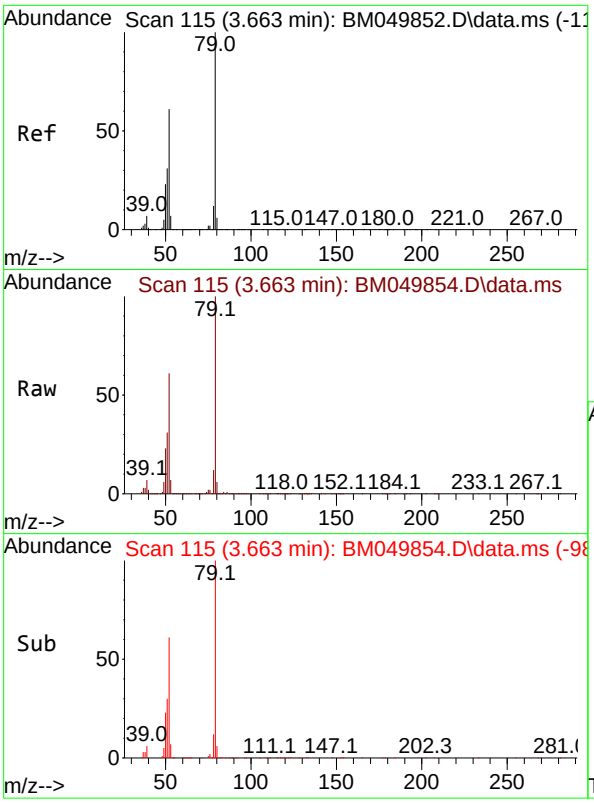


#2
1,4-Dioxane
Concen: 58.219 ng
RT: 3.263 min Scan# 47
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 88 Resp: 567230

Ion	Ratio	Lower	Upper
88	100		
58	68.0	54.1	81.1
43	24.7	20.2	30.4

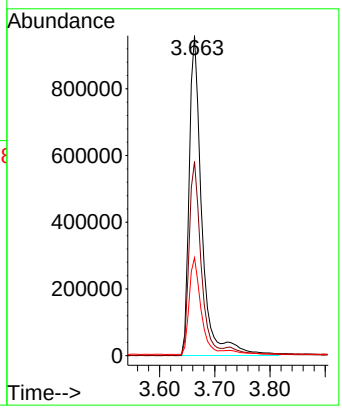




#3
Pyridine
Concen: 60.181 ng m
RT: 3.663 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 79 Resp: 153992(

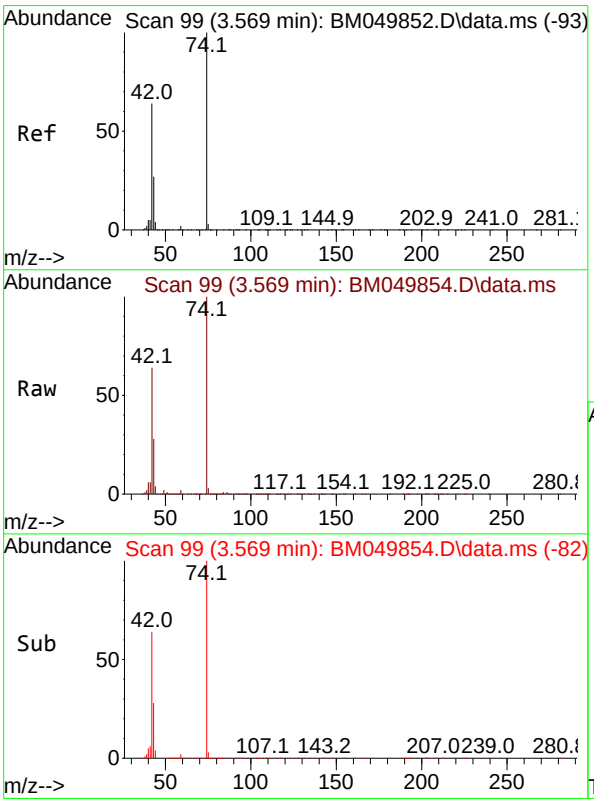
Ion	Ratio	Lower	Upper
79	100		
52	60.6	48.9	73.3
51	30.6	25.0	37.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

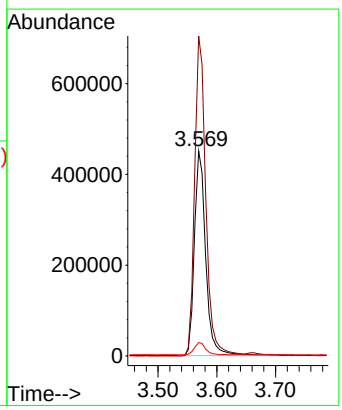
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

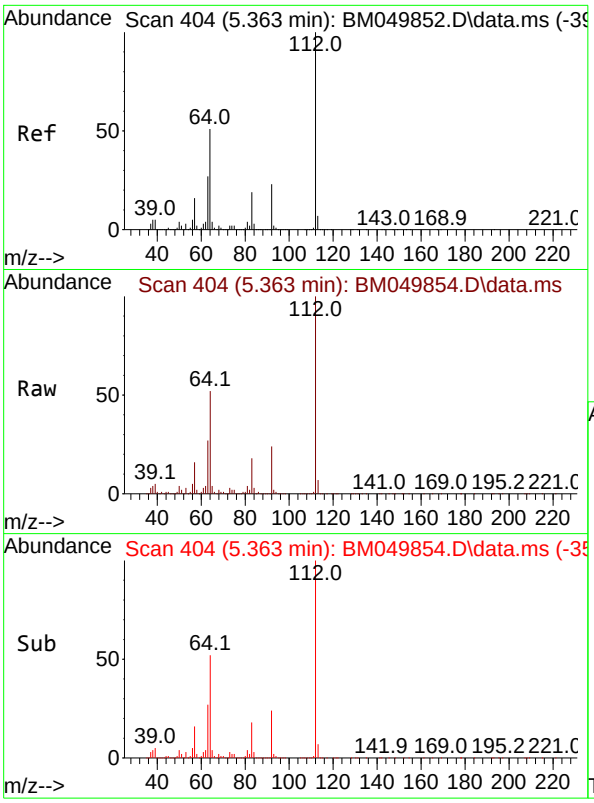


#4
n-Nitrosodimethylamine
Concen: 61.887 ng
RT: 3.569 min Scan# 99
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 42 Resp: 602879

Ion	Ratio	Lower	Upper
42	100		
74	156.1	125.4	188.2
44	6.6	5.9	8.9

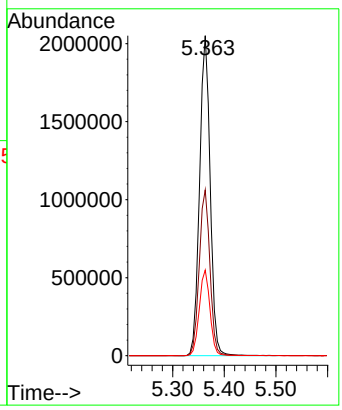




#5
2-Fluorophenol
Concen: 123.240 ng
RT: 5.363 min Scan# 4
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:112 Resp: 291555

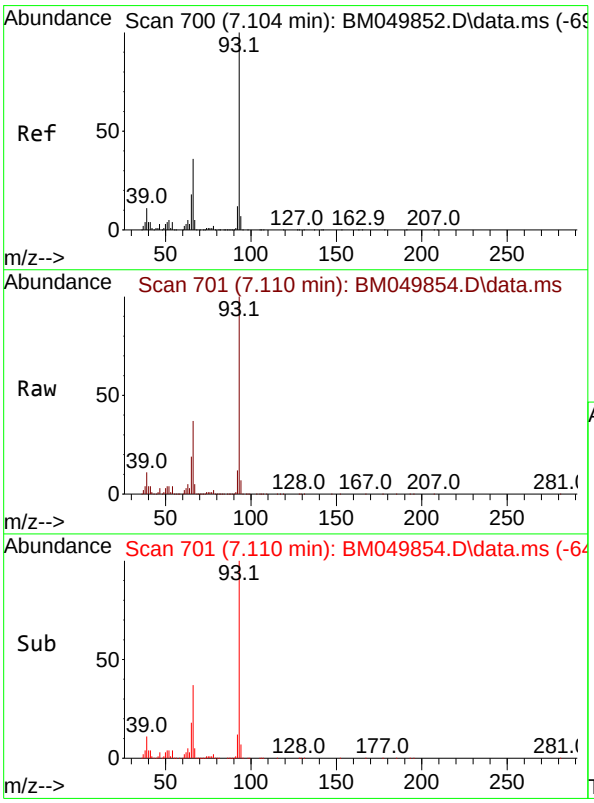
Ion	Ratio	Lower	Upper
112	100		
64	51.8	41.0	61.6
63	26.8	21.5	32.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

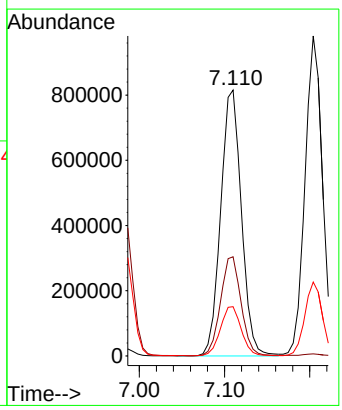
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

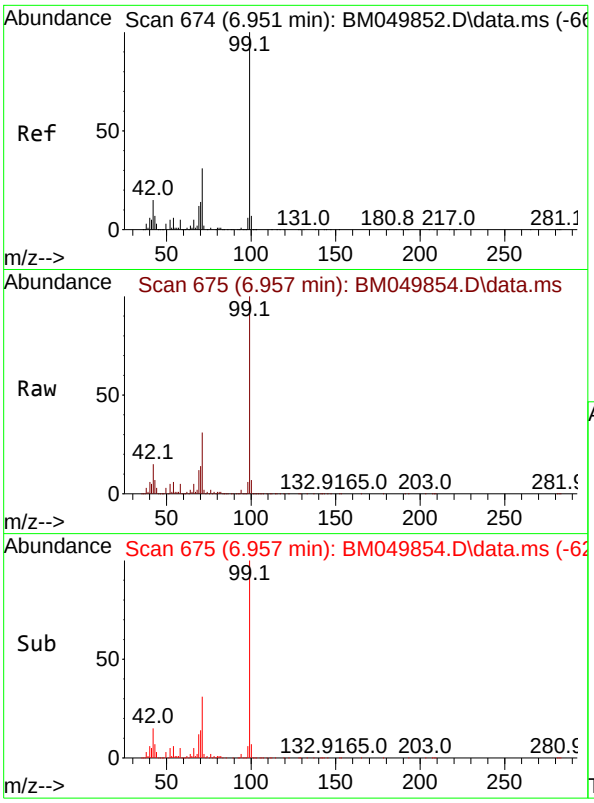


#6
Aniline
Concen: 54.586 ng
RT: 7.110 min Scan# 701
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 93 Resp: 1376743

Ion	Ratio	Lower	Upper
93	100		
66	37.3	29.1	43.7
65	18.5	14.9	22.3

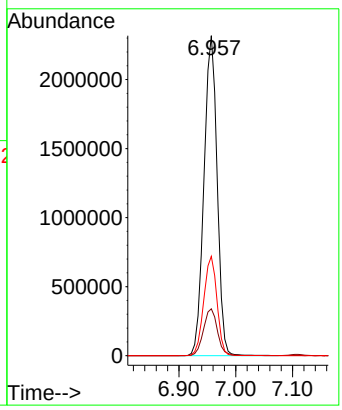




#7
Phenol-d6
Concen: 126.357 ng
RT: 6.957 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 99 Resp: 371922

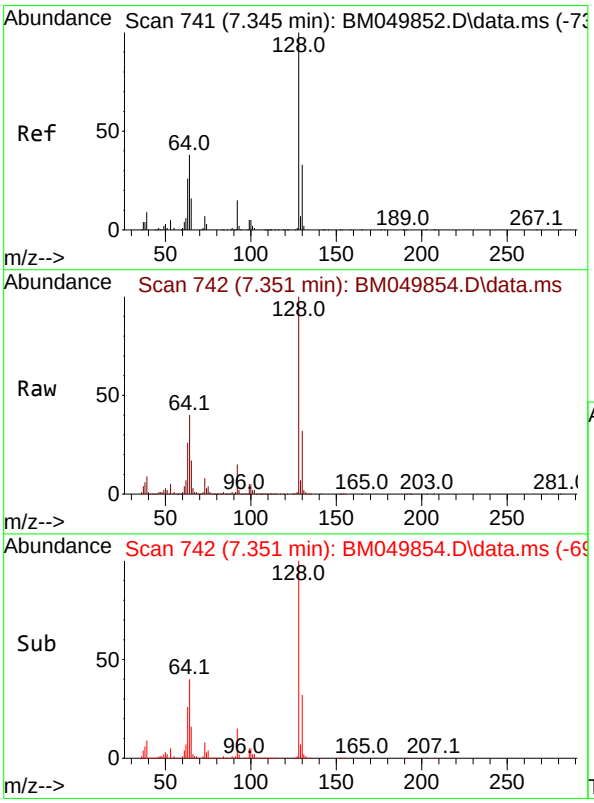
Ion	Ratio	Lower	Upper
99	100		
42	14.6	12.1	18.1
71	31.1	24.9	37.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

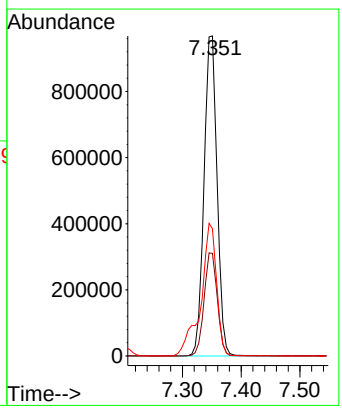
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

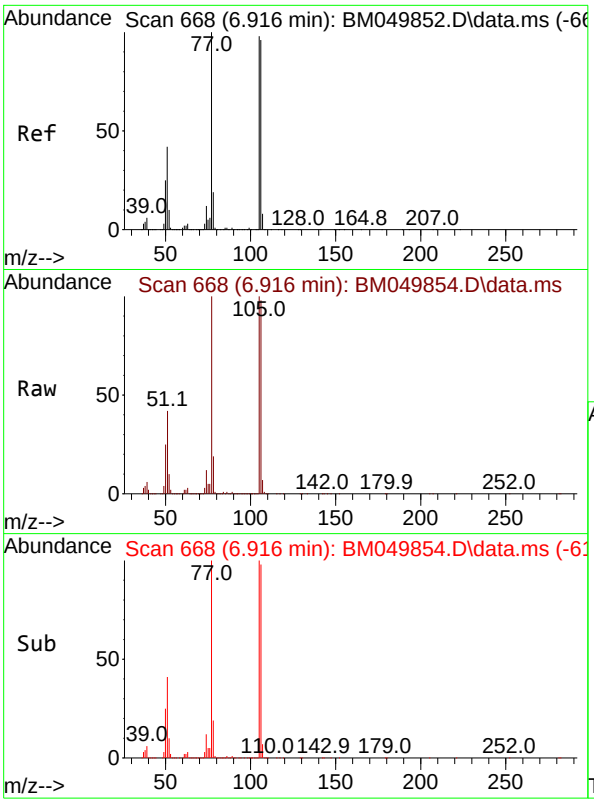


#8
2-Chlorophenol
Concen: 61.567 ng
RT: 7.351 min Scan# 742
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:128 Resp: 1492657

Ion	Ratio	Lower	Upper
128	100		
130	32.1	12.6	52.6
64	39.8	21.1	61.1

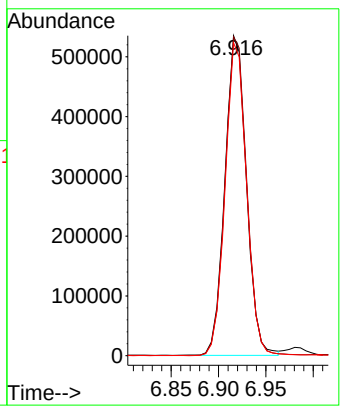




#9
Benzaldehyde
Concen: 55.949 ng
RT: 6.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 77 Resp: 84438

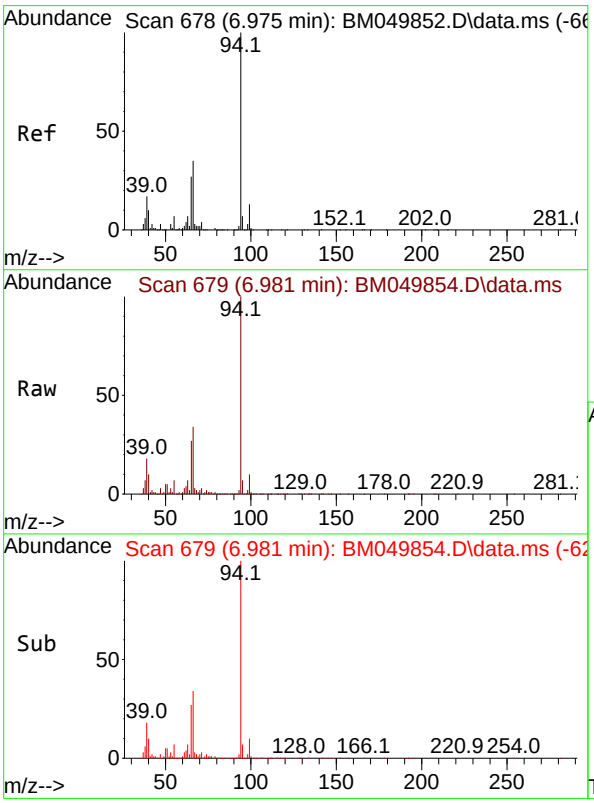
Ion	Ratio	Lower	Upper
77	100		
105	99.7	78.3	118.3
106	97.8	76.0	116.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

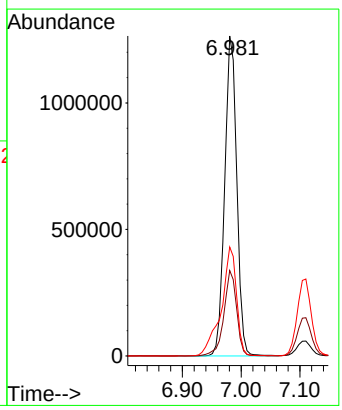
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

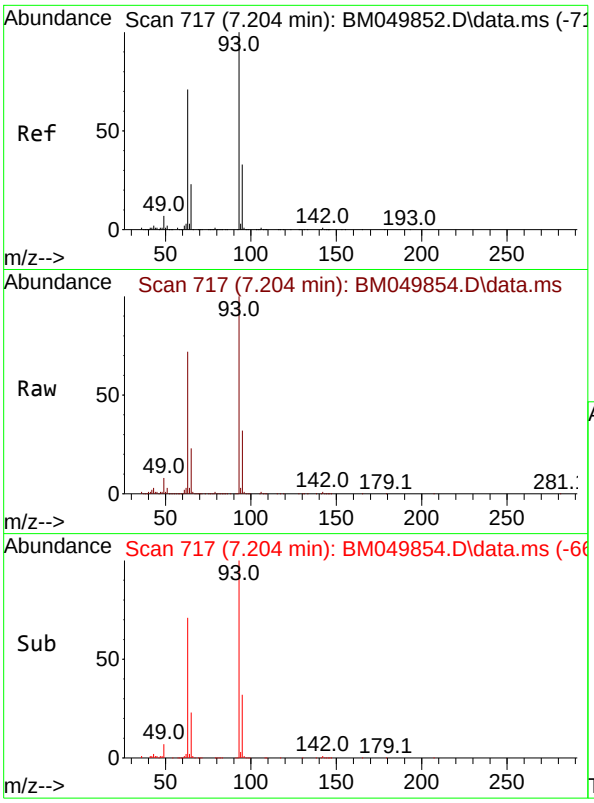


#10
Phenol
Concen: 62.772 ng
RT: 6.981 min Scan# 679
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 94 Resp: 1803027

Ion	Ratio	Lower	Upper
94	100		
65	26.7	7.3	47.3
66	34.1	14.8	54.8

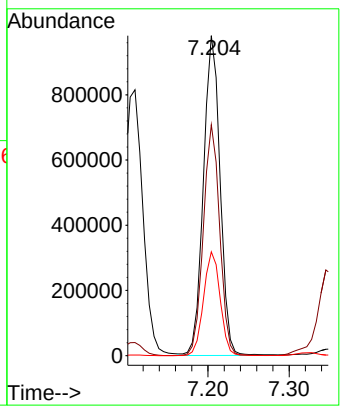




#11
bis(2-Chloroethyl)ether
Concen: 62.074 ng
RT: 7.204 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 93 Resp: 139820

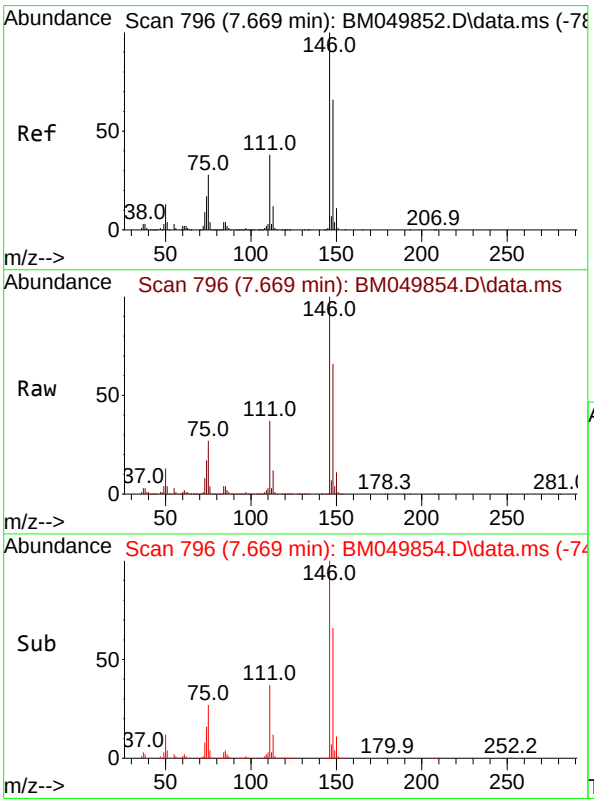
Ion	Ratio	Lower	Upper
93	100		
63	72.2	50.9	90.9
95	32.4	12.6	52.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

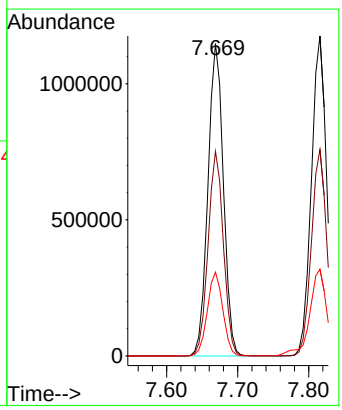
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

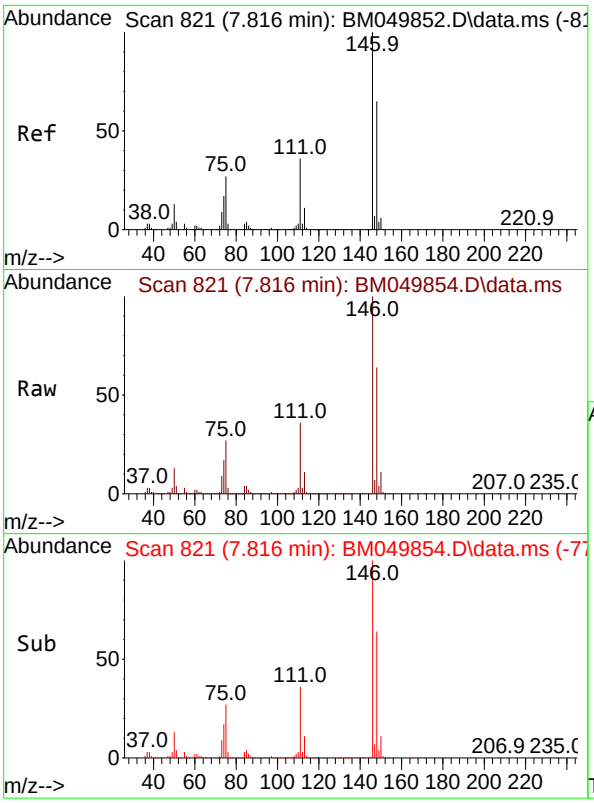


#12
1,3-Dichlorobenzene
Concen: 60.586 ng
RT: 7.669 min Scan# 796
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:146 Resp: 1736609

Ion	Ratio	Lower	Upper
146	100		
148	65.5	52.5	78.7
75	26.9	22.5	33.7

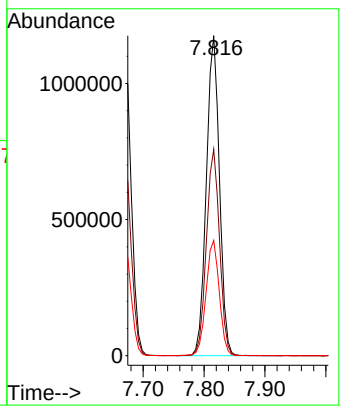




#13
1,4-Dichlorobenzene
Concen: 60.812 ng
RT: 7.816 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:146 Resp: 175389

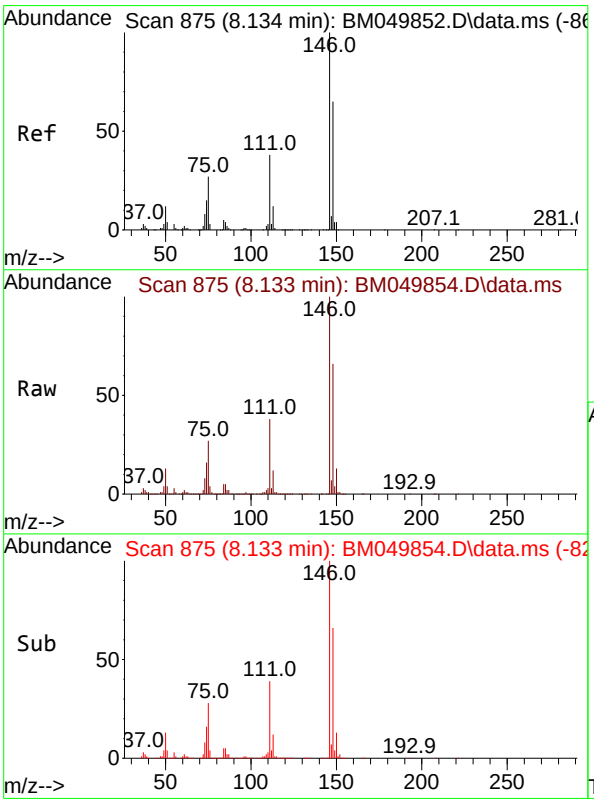
Ion	Ratio	Lower	Upper
146	100		
148	64.5	52.4	78.6
111	36.0	28.5	42.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

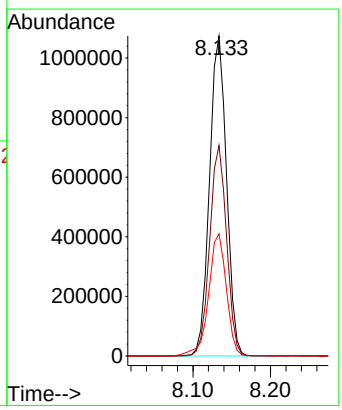
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

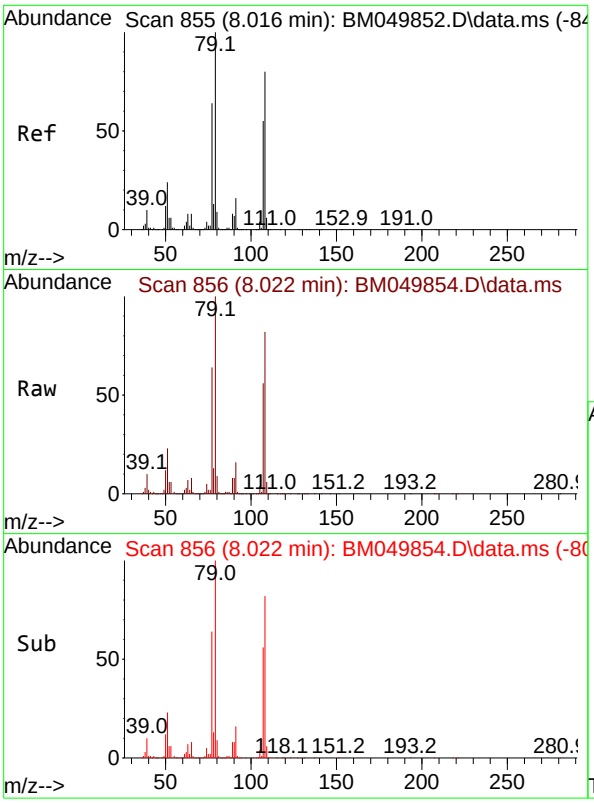


#14
1,2-Dichlorobenzene
Concen: 60.303 ng
RT: 8.133 min Scan# 875
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:146 Resp: 1638164

Ion	Ratio	Lower	Upper
146	100		
148	65.8	51.8	77.8
111	38.2	30.2	45.4

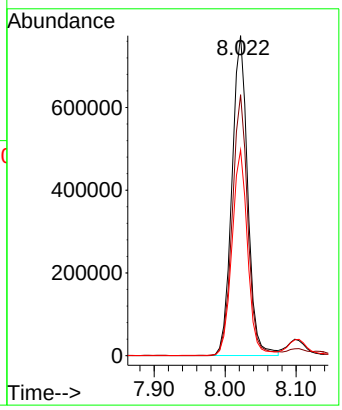




#15
Benzyl Alcohol
Concen: 64.570 ng
RT: 8.022 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 79 Resp: 119679

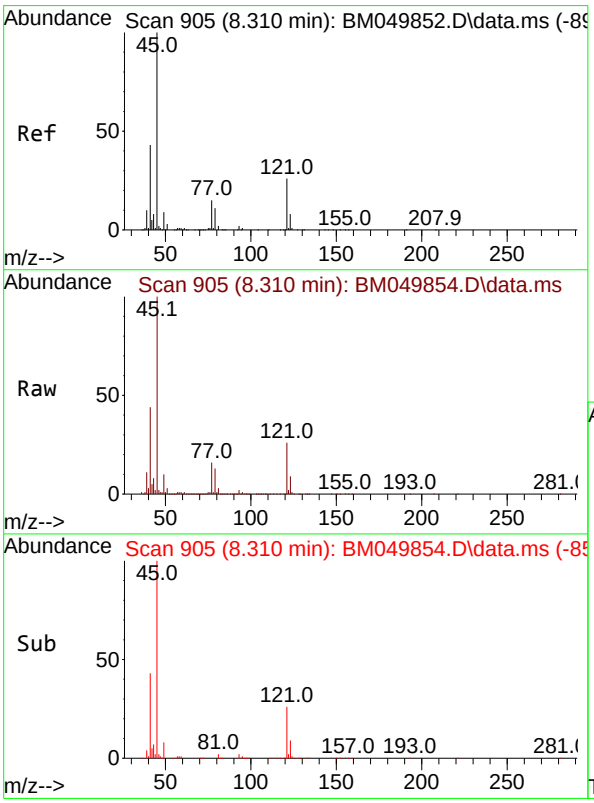
Ion	Ratio	Lower	Upper
79	100		
108	81.6	63.6	95.4
77	64.3	51.3	76.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

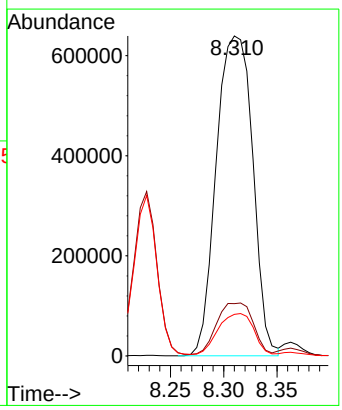
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

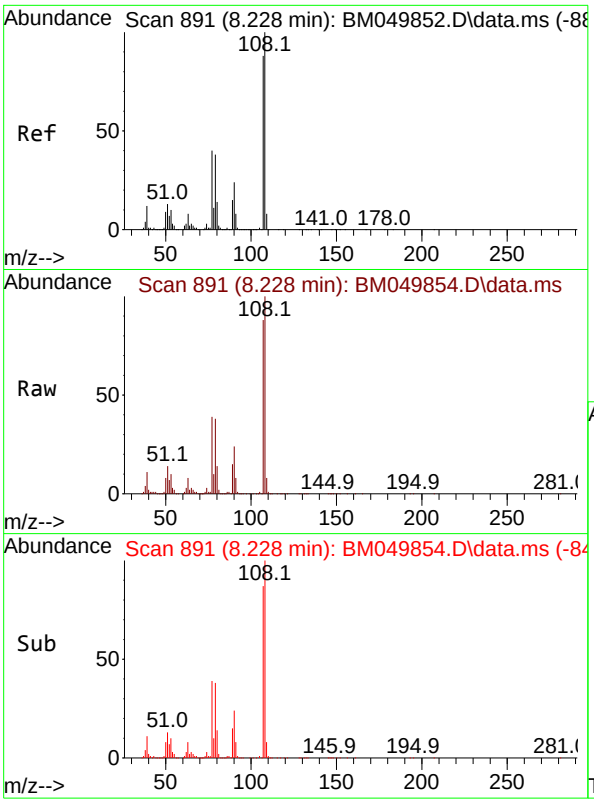


#16
2,2'-oxybis(1-Chloropropane)
Concen: 60.520 ng
RT: 8.310 min Scan# 905
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 45 Resp: 1519404

Ion	Ratio	Lower	Upper
45	100		
77	16.4	0.0	36.9
79	13.0	0.0	32.9

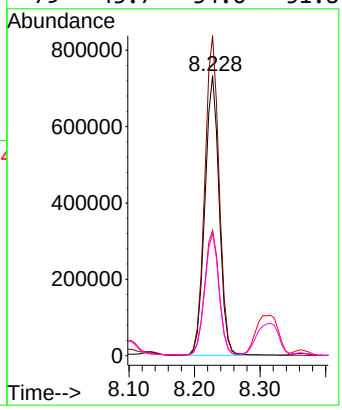




#17
2-Methylphenol
Concen: 62.667 ng
RT: 8.228 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:107 Resp: 110926

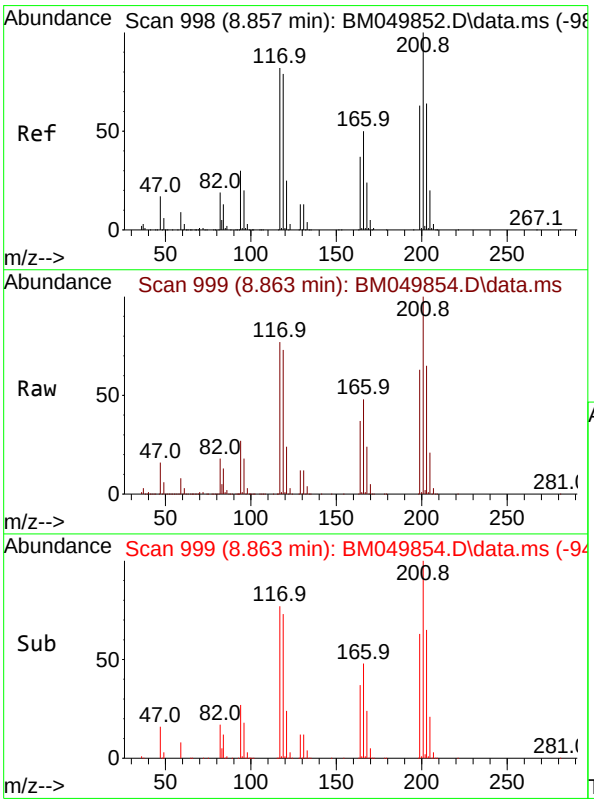
Ion	Ratio	Lower	Upper
107	100		
108	114.3	91.0	136.6
77	44.8	36.5	54.7
79	43.7	34.6	51.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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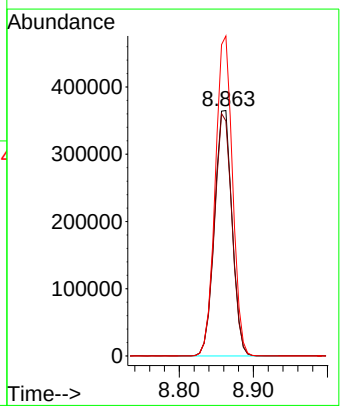
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

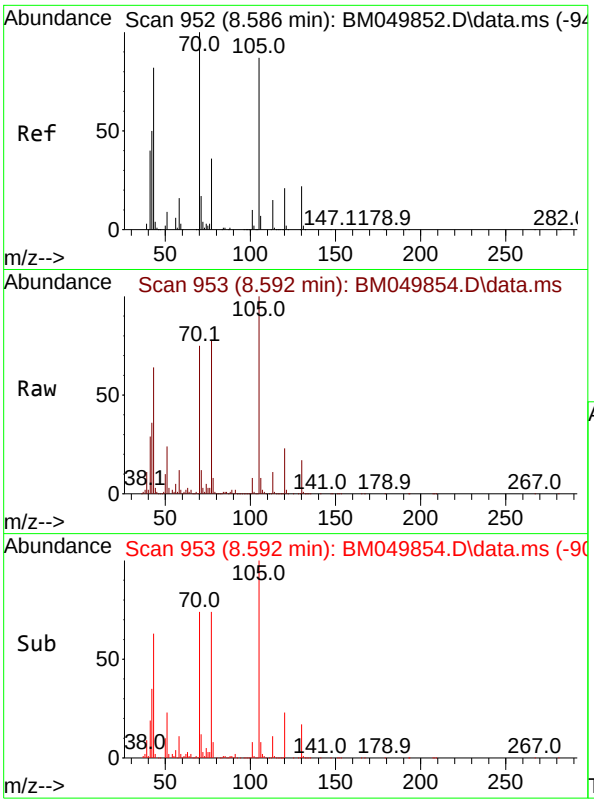


#18
Hexachloroethane
Concen: 60.131 ng
RT: 8.863 min Scan# 999
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:117 Resp: 603367

Ion	Ratio	Lower	Upper
117	100		
119	95.8	77.5	116.3
201	130.4	97.7	146.5

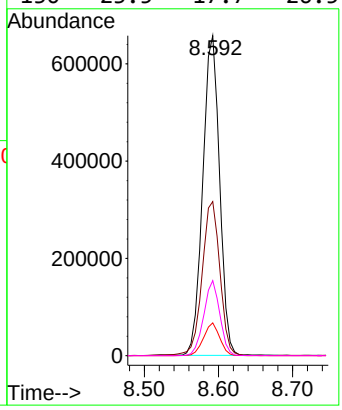




#19
n-Nitroso-di-n-propylamine
Concen: 63.539 ng
RT: 8.592 min Scan# 9
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 70 Resp: 103583

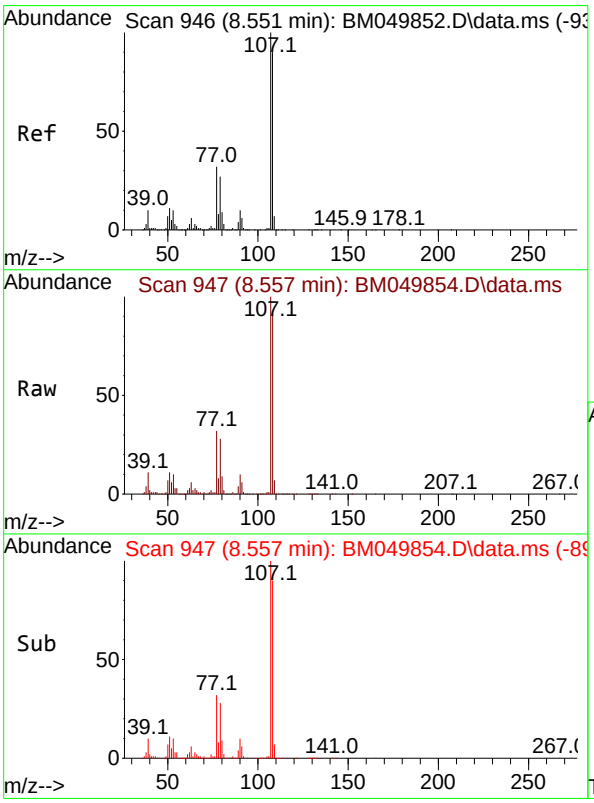
Ion	Ratio	Lower	Upper
70	100		
42	48.2	40.2	60.2
101	10.3	7.9	11.9
130	23.5	17.7	26.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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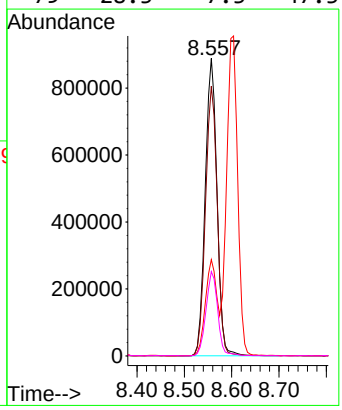
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

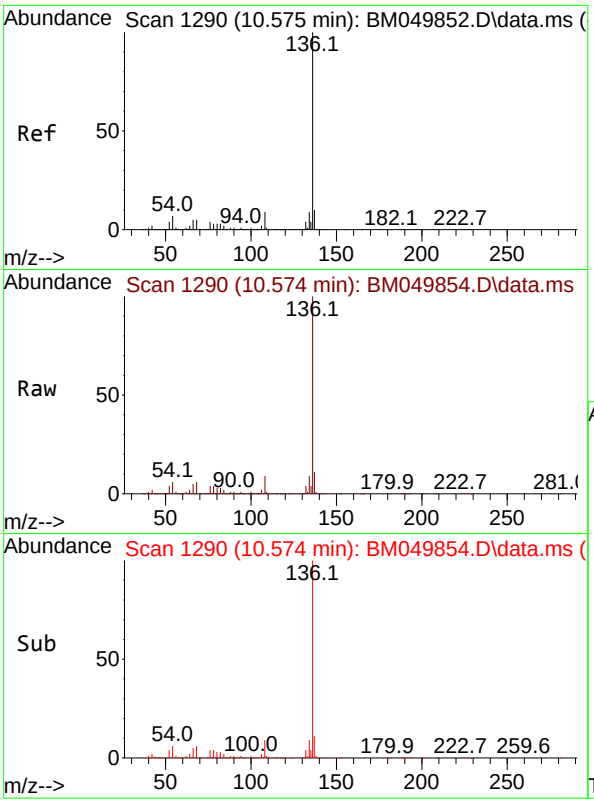


#20
3+4-Methylphenols
Concen: 63.547 ng
RT: 8.557 min Scan# 947
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:107 Resp: 1533520

Ion	Ratio	Lower	Upper
107	100		
108	90.6	69.6	109.6
77	32.4	11.7	51.7
79	28.3	7.3	47.3

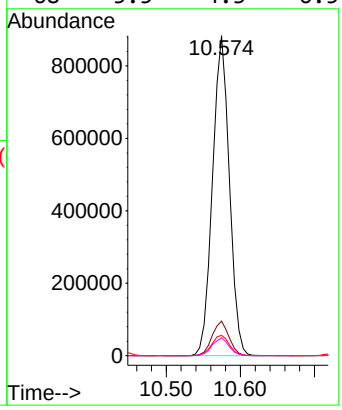




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:136 Resp: 139386

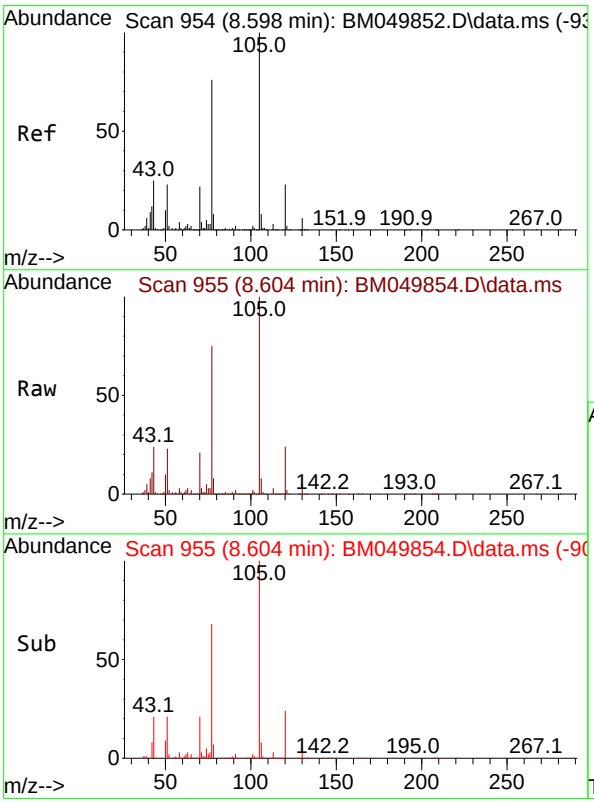
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.4	12.6
54	6.4	5.3	7.9
68	5.5	4.3	6.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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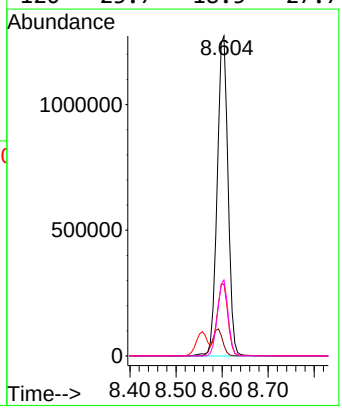
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

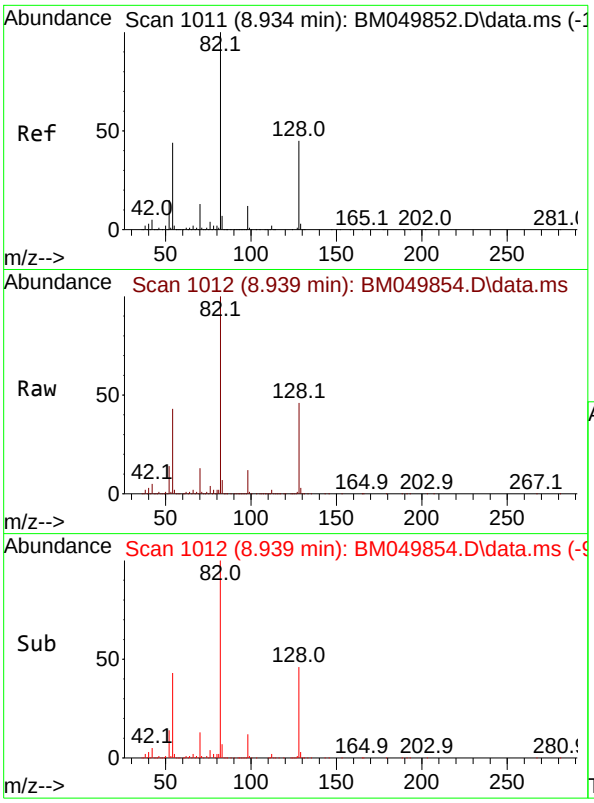


#22
Acetophenone
Concen: 60.992 ng
RT: 8.604 min Scan# 955
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:105 Resp: 2066135

Ion	Ratio	Lower	Upper
105	100		
71	3.4	3.0	4.4
51	22.5	18.6	27.8
120	23.7	18.5	27.7





#23
Nitrobenzene-d5
Concen: 123.564 ng
RT: 8.939 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

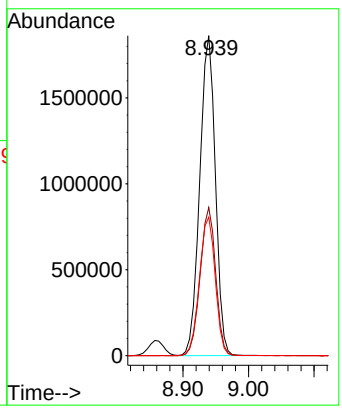
Tgt Ion: 82 Resp: 309293

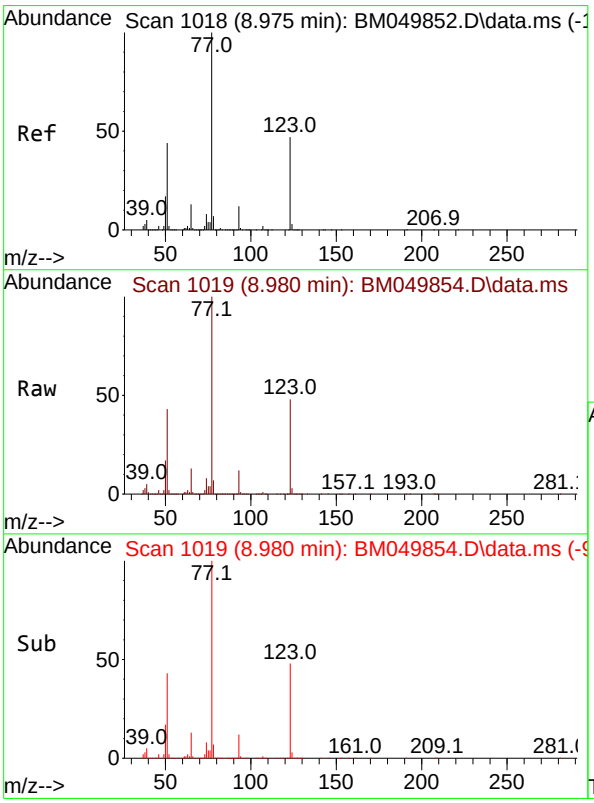
Ion	Ratio	Lower	Upper
82	100		
128	46.3	36.2	54.2
54	43.3	35.0	52.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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

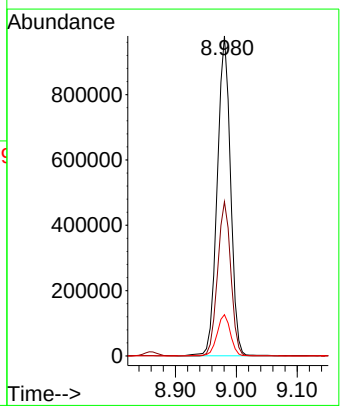


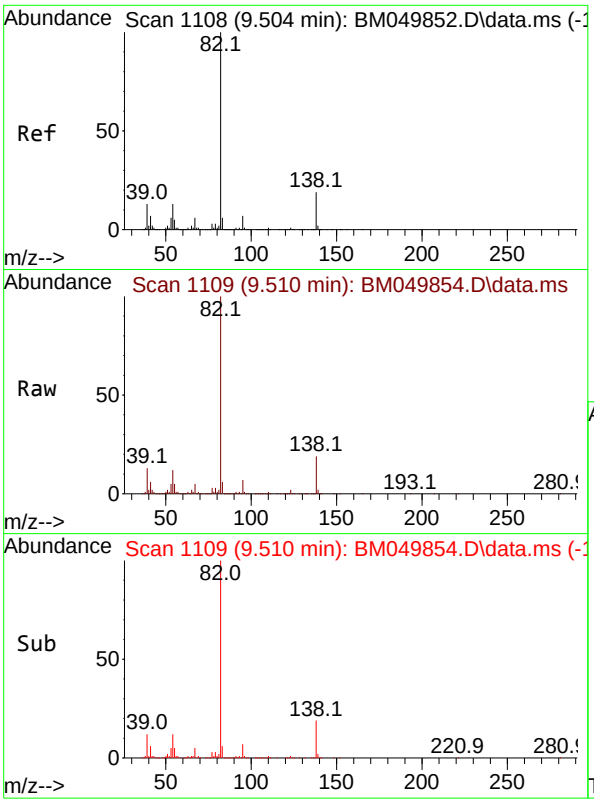


#24
Nitrobenzene
Concen: 61.291 ng
RT: 8.980 min Scan# 1019
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 77 Resp: 1477263

Ion	Ratio	Lower	Upper
77	100		
123	48.2	37.4	56.2
65	12.9	10.1	15.1

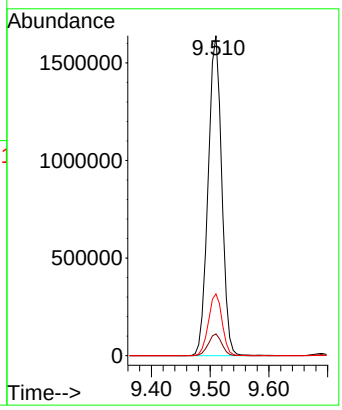




#25
Isophorone
Concen: 62.634 ng
RT: 9.510 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 82 Resp: 262638

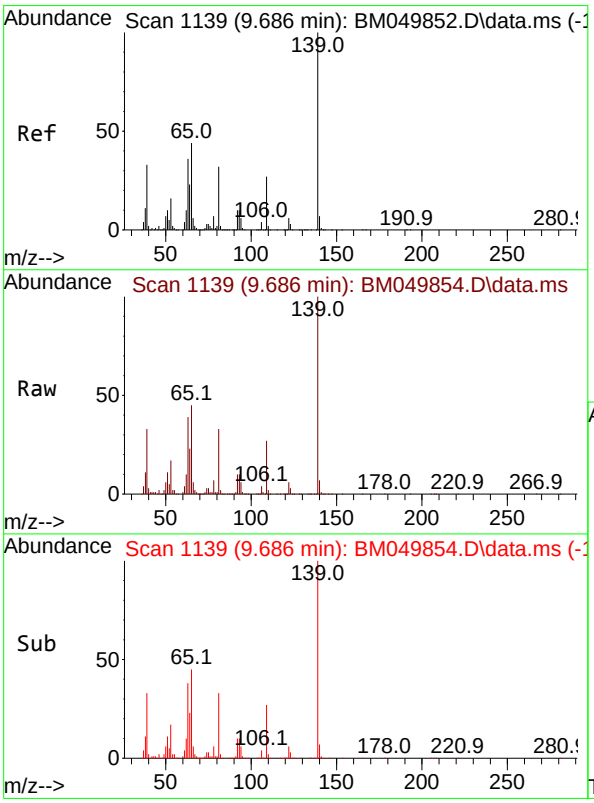
Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.4	8.2
138	19.3	15.0	22.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

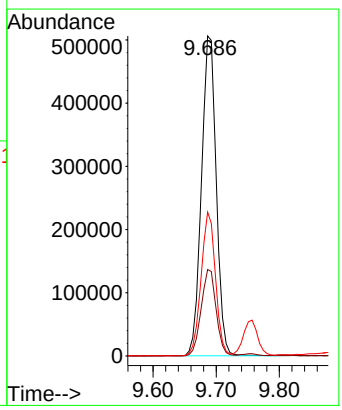
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

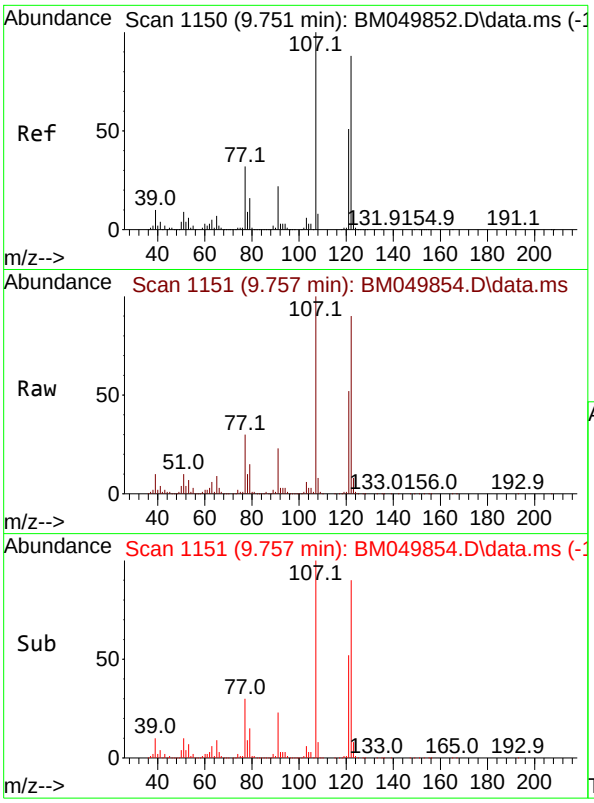


#26
2-Nitrophenol
Concen: 64.513 ng
RT: 9.686 min Scan# 1139
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:139 Resp: 824140

Ion	Ratio	Lower	Upper
139	100		
109	27.0	21.7	32.5
65	45.0	35.2	52.8

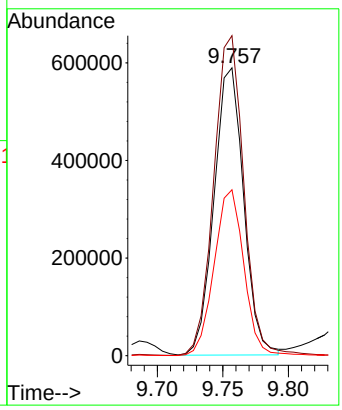




#27
2,4-Dimethylphenol
Concen: 63.809 ng
RT: 9.757 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:122 Resp: 92379

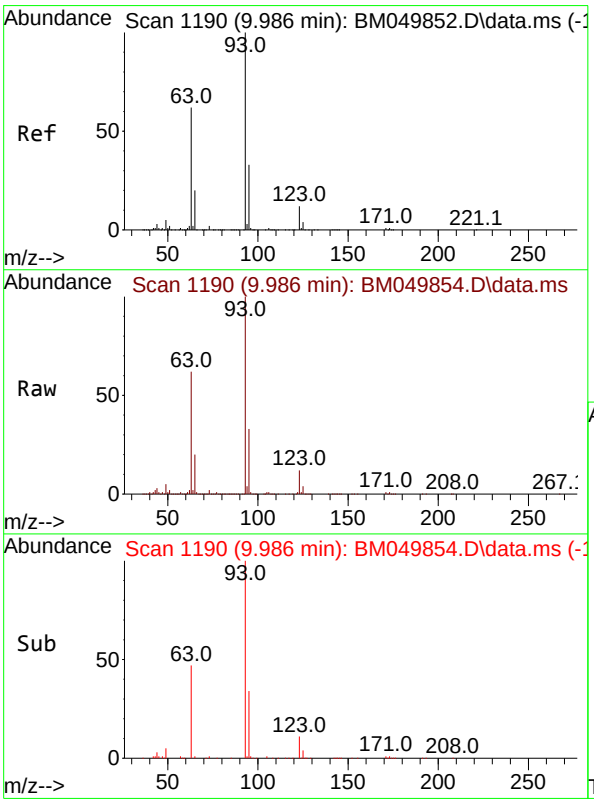
Ion	Ratio	Lower	Upper
122	100		
107	111.2	90.3	135.5
121	57.6	46.1	69.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

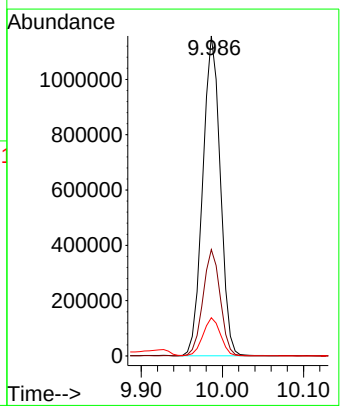
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

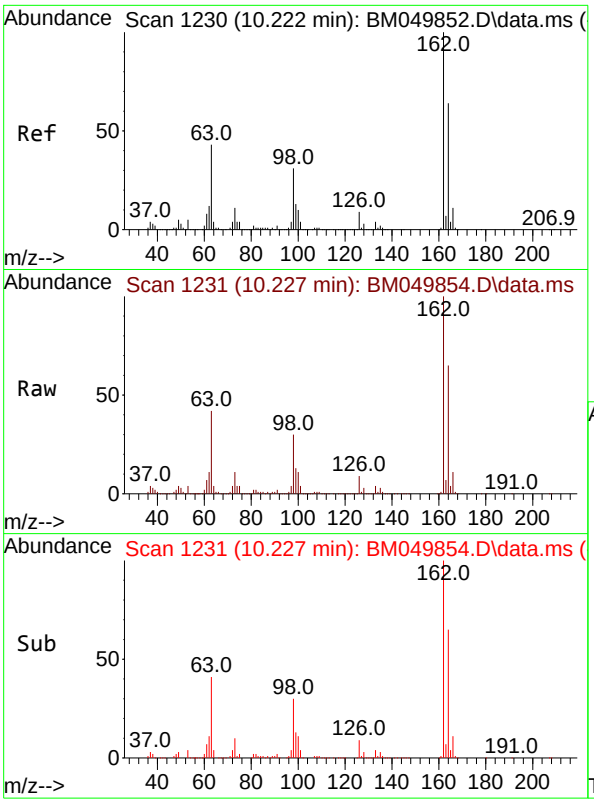


#28
bis(2-Chloroethoxy)methane
Concen: 61.780 ng
RT: 9.986 min Scan# 1190
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 93 Resp: 1734345

Ion	Ratio	Lower	Upper
93	100		
95	33.2	26.6	40.0
123	12.0	9.5	14.3

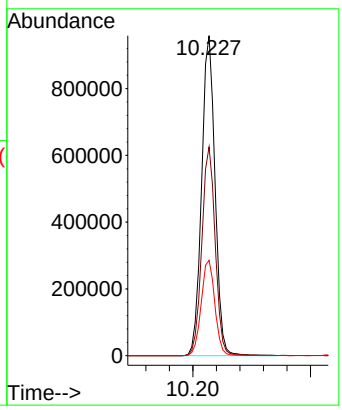




#29
2,4-Dichlorophenol
Concen: 63.187 ng
RT: 10.227 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:162 Resp: 152062

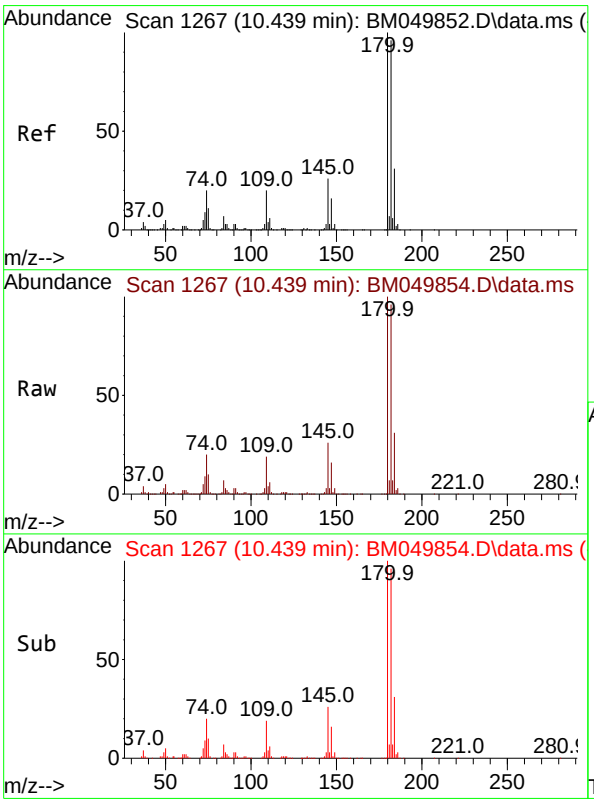
Ion	Ratio	Lower	Upper
162	100		
164	65.3	44.3	84.3
98	29.8	10.9	50.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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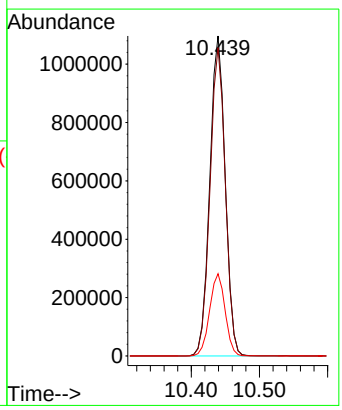
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

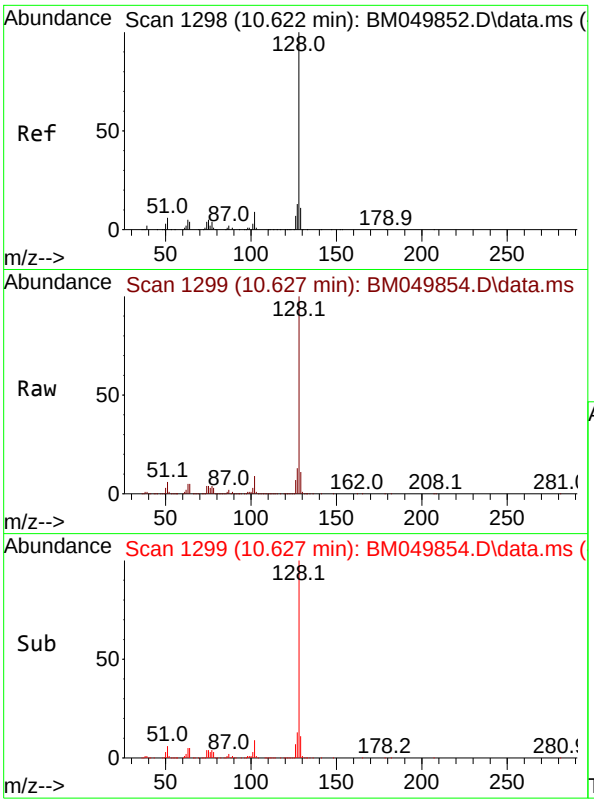


#30
1,2,4-Trichlorobenzene
Concen: 61.949 ng
RT: 10.439 min Scan# 1267
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:180 Resp: 1724659

Ion	Ratio	Lower	Upper
180	100		
182	96.4	76.7	115.1
145	25.7	20.8	31.2

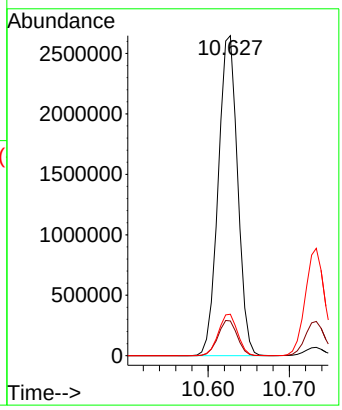




#31
Naphthalene
Concen: 61.309 ng
RT: 10.627 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:128 Resp: 439106

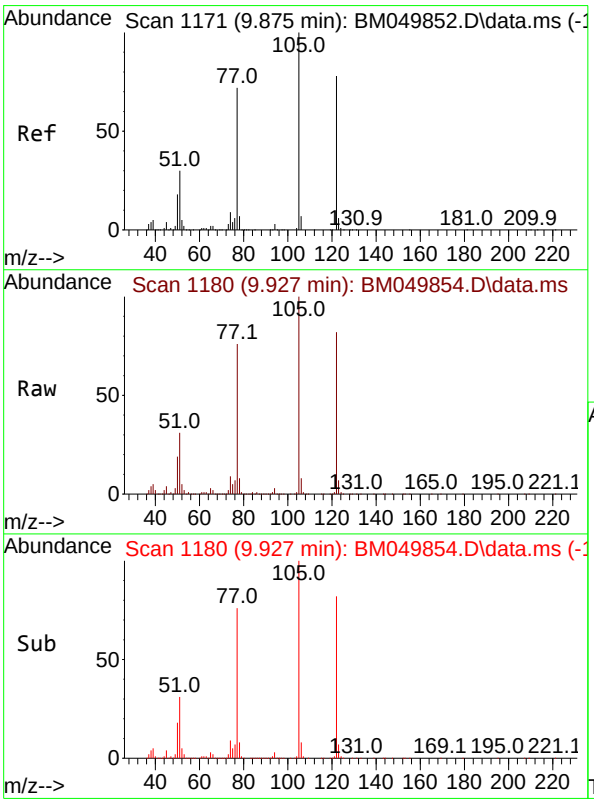
Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	13.0	10.6	15.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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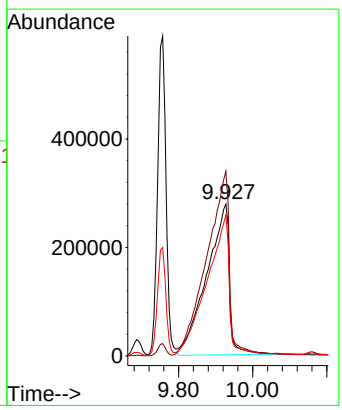
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

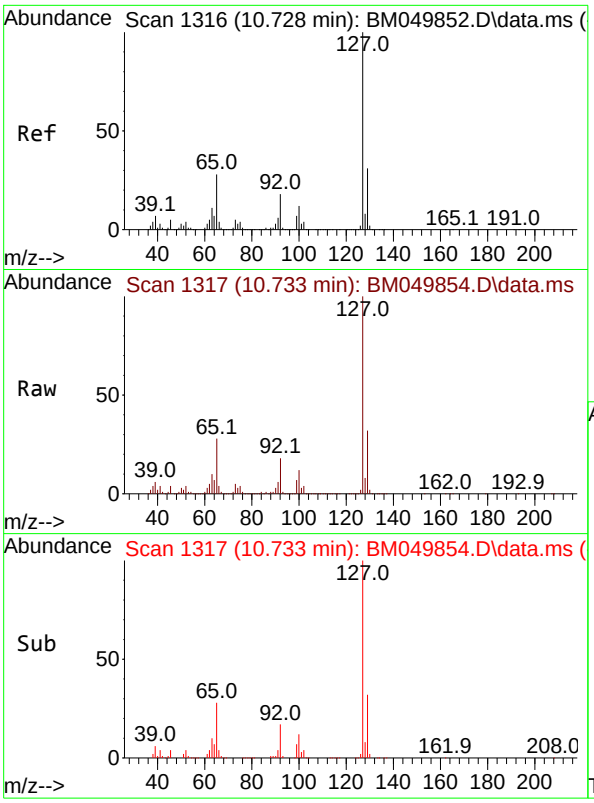


#32
Benzoic acid
Concen: 62.653 ng
RT: 9.927 min Scan# 1180
Delta R.T. 0.052 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:122 Resp: 1181344

Ion	Ratio	Lower	Upper
122	100		
105	121.5	103.8	143.8
77	92.7	70.7	110.7

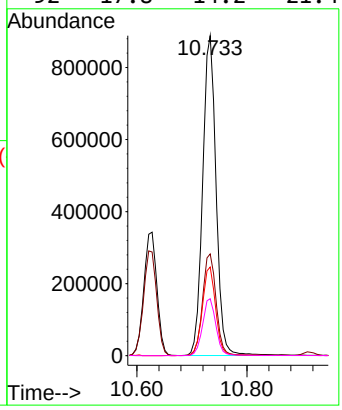




#33
4-Chloroaniline
Concen: 59.431 ng
RT: 10.733 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:127 Resp: 150304

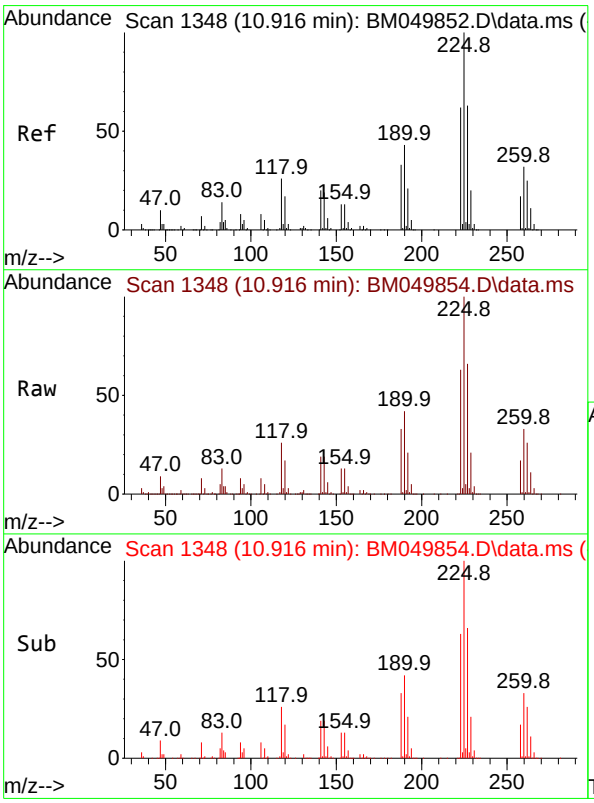
Ion	Ratio	Lower	Upper
127	100		
129	31.8	24.9	37.3
65	27.7	22.4	33.6
92	17.8	14.2	21.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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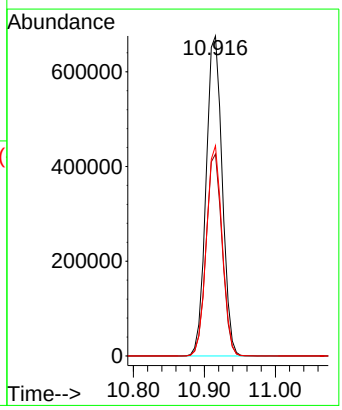
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

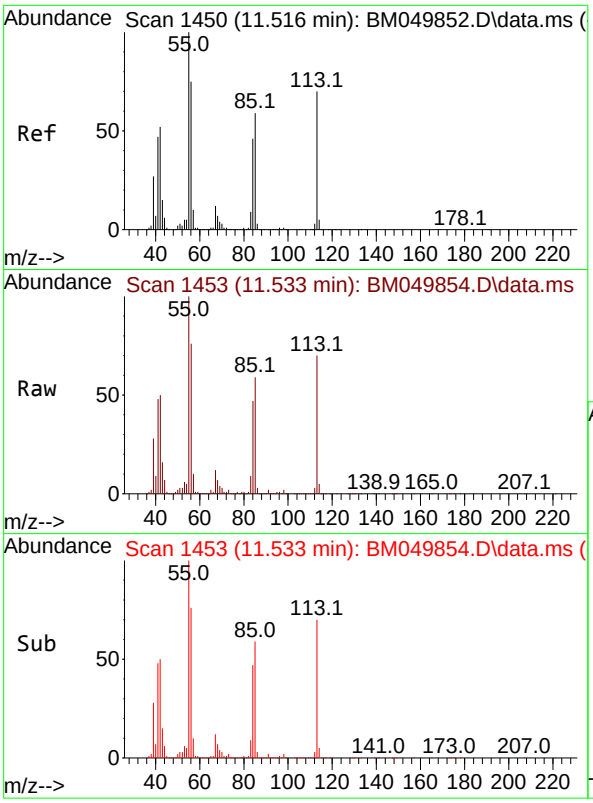


#34
Hexachlorobutadiene
Concen: 61.808 ng
RT: 10.916 min Scan# 1348
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:225 Resp: 1064394

Ion	Ratio	Lower	Upper
225	100		
223	63.1	49.4	74.2
227	65.7	50.1	75.1

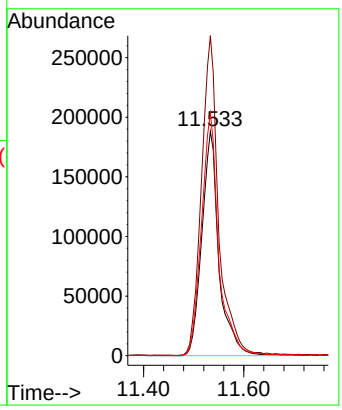




#35
Caprolactam
Concen: 64.529 ng
RT: 11.533 min Scan# 14
Delta R.T. 0.018 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:113 Resp: 44539

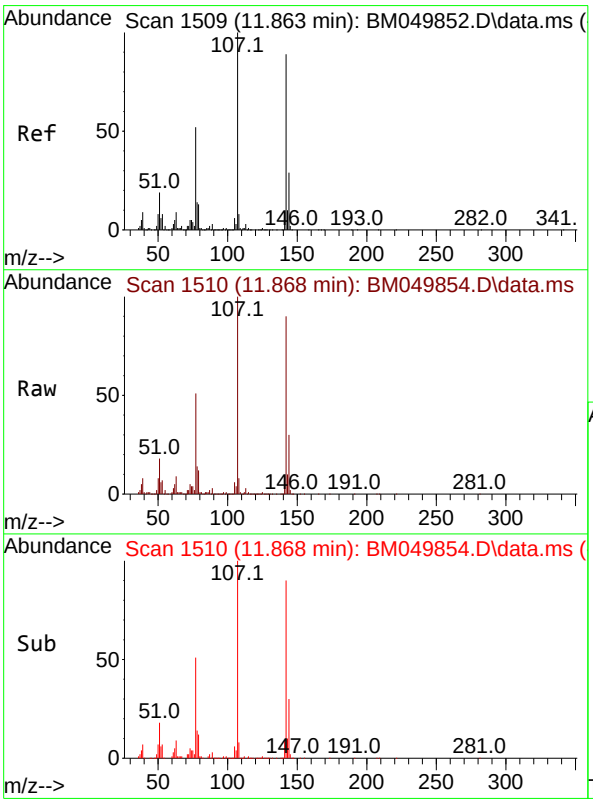
Ion	Ratio	Lower	Upper
113	100		
55	142.6	124.3	164.3
56	108.2	87.5	127.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

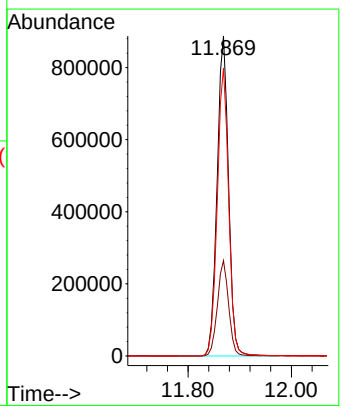
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

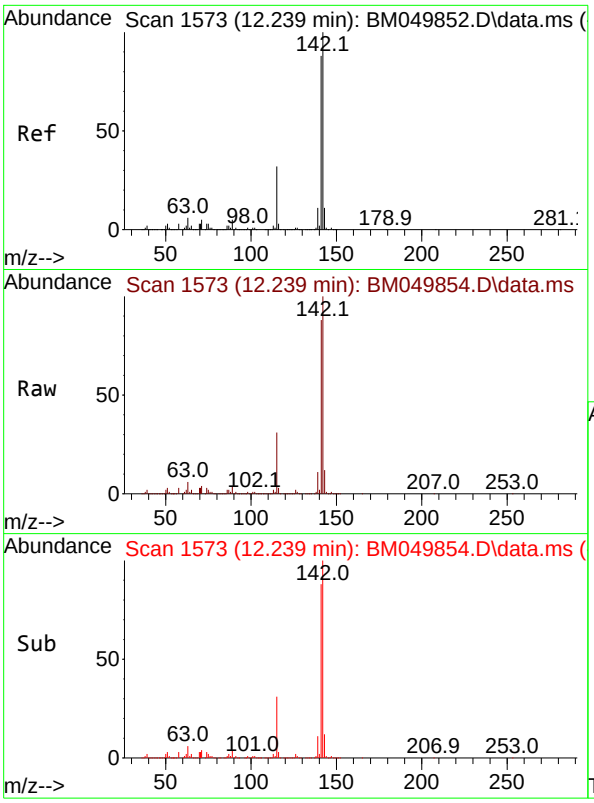


#36
4-Chloro-3-methylphenol
Concen: 64.713 ng
RT: 11.868 min Scan# 1510
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:107 Resp: 1364157

Ion	Ratio	Lower	Upper
107	100		
144	29.8	23.6	35.4
142	90.0	71.4	107.0

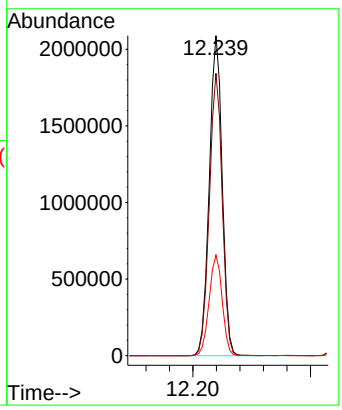




#37
2-Methylnaphthalene
Concen: 63.104 ng
RT: 12.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:142 Resp: 318436

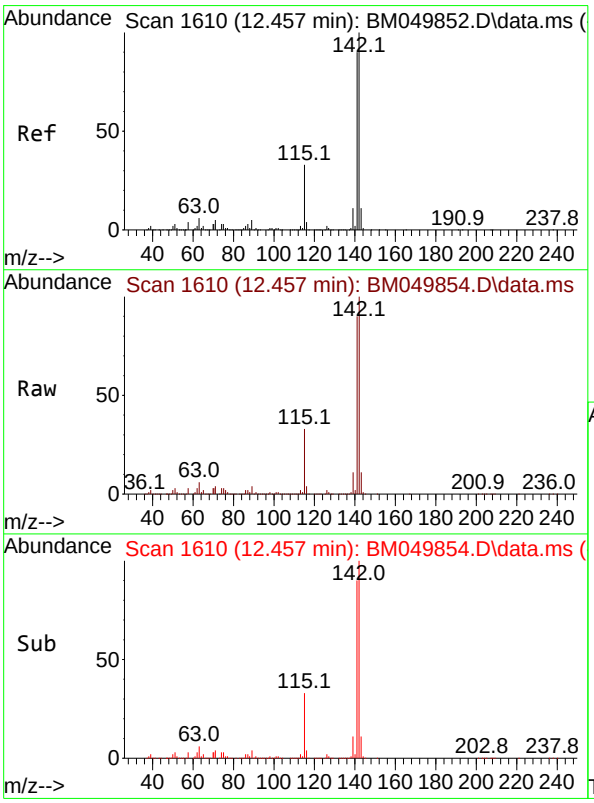
Ion	Ratio	Lower	Upper
142	100		
141	88.2	70.2	105.2
115	31.4	25.4	38.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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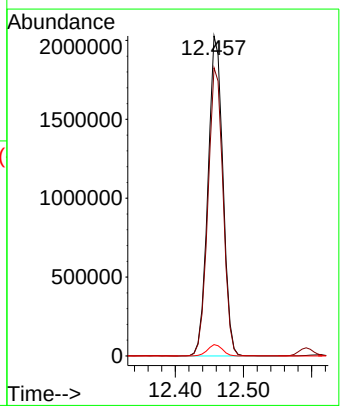
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

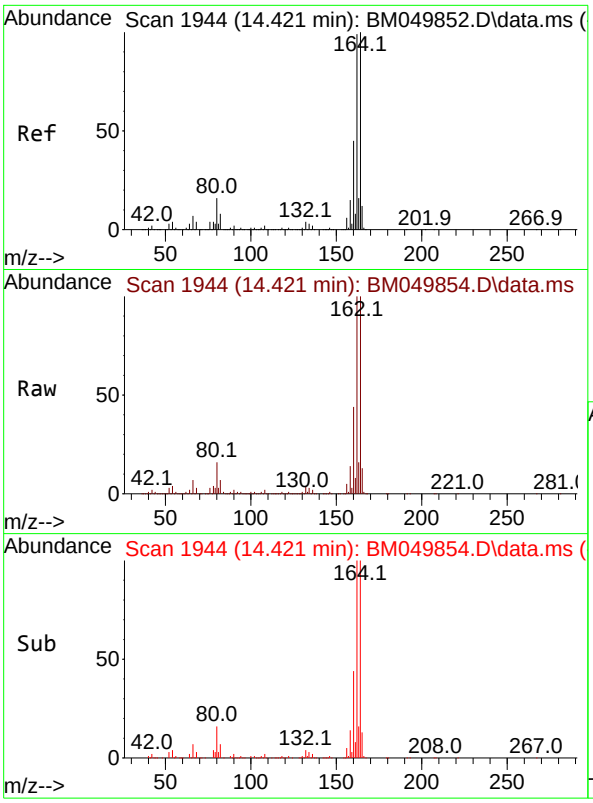


#38
1-Methylnaphthalene
Concen: 62.893 ng
RT: 12.457 min Scan# 1610
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:142 Resp: 3091968

Ion	Ratio	Lower	Upper
142	100		
141	90.1	72.2	108.2
116	3.6	2.9	4.3

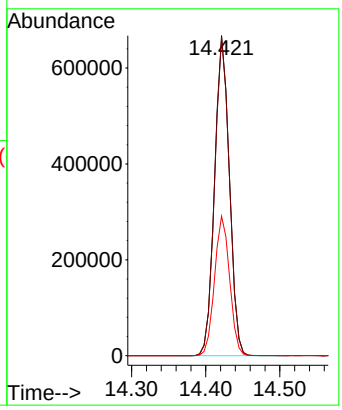




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.421 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:164 Resp: 92542

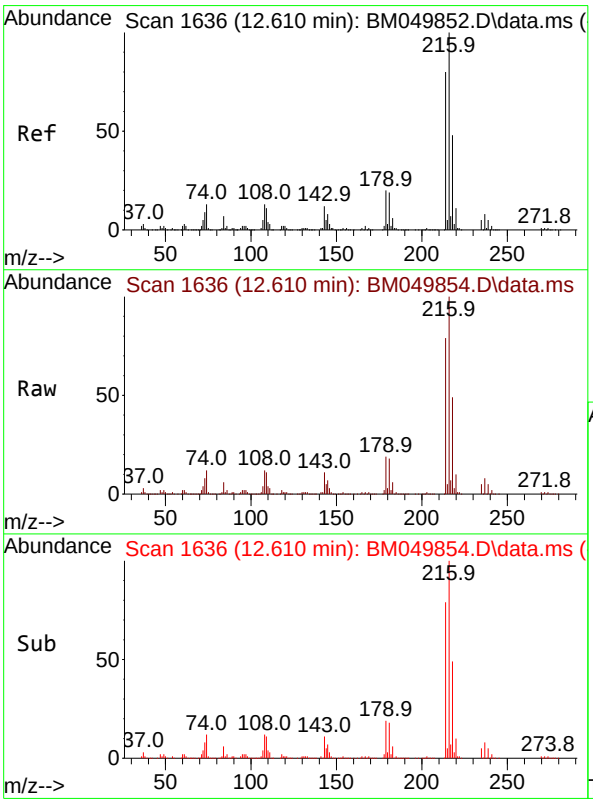
Ion	Ratio	Lower	Upper
164	100		
162	99.5	79.4	119.0
160	43.6	36.2	54.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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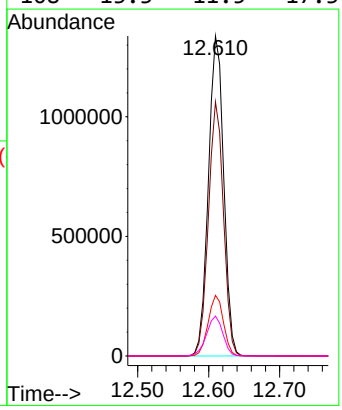
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

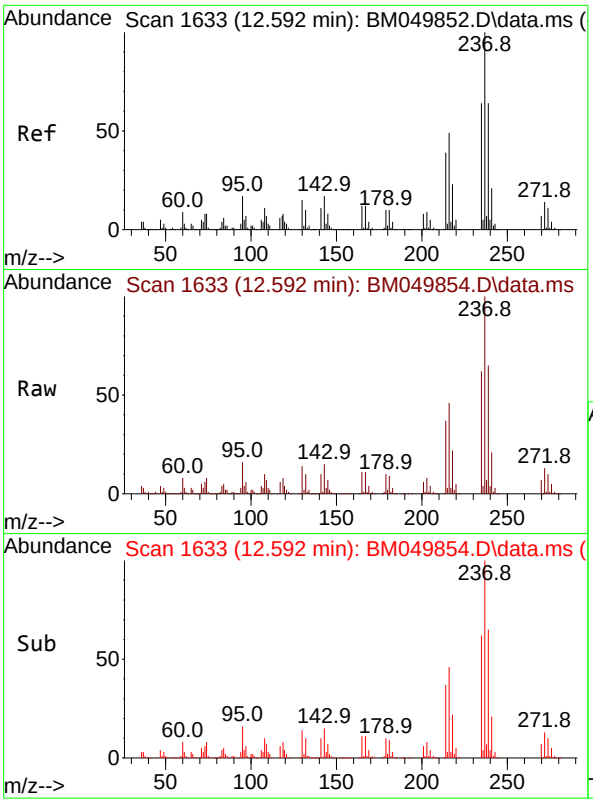


#40
1,2,4,5-Tetrachlorobenzene
Concen: 61.857 ng
RT: 12.610 min Scan# 1636
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:216 Resp: 2002675

Ion	Ratio	Lower	Upper
216	100		
214	78.2	63.2	94.8
179	18.9	15.8	23.6
108	13.3	11.5	17.3

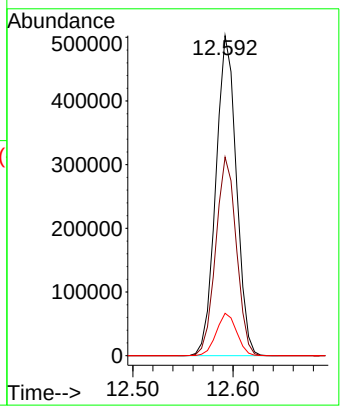




#41
Hexachlorocyclopentadiene
Concen: 63.016 ng
RT: 12.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:237 Resp: 71489

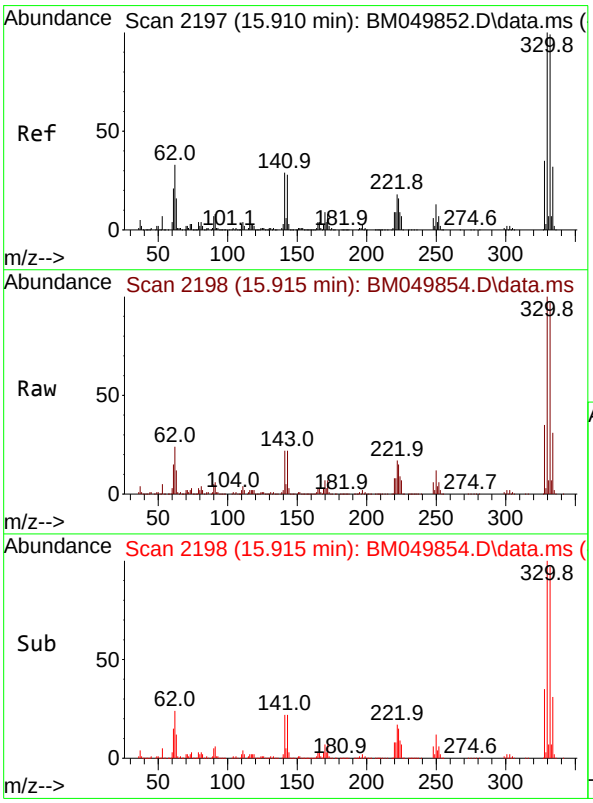
Ion	Ratio	Lower	Upper
237	100		
235	62.1	43.7	83.7
272	13.3	0.0	33.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

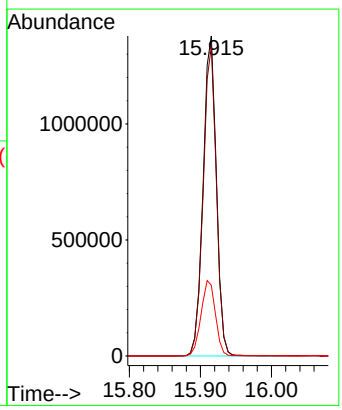
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

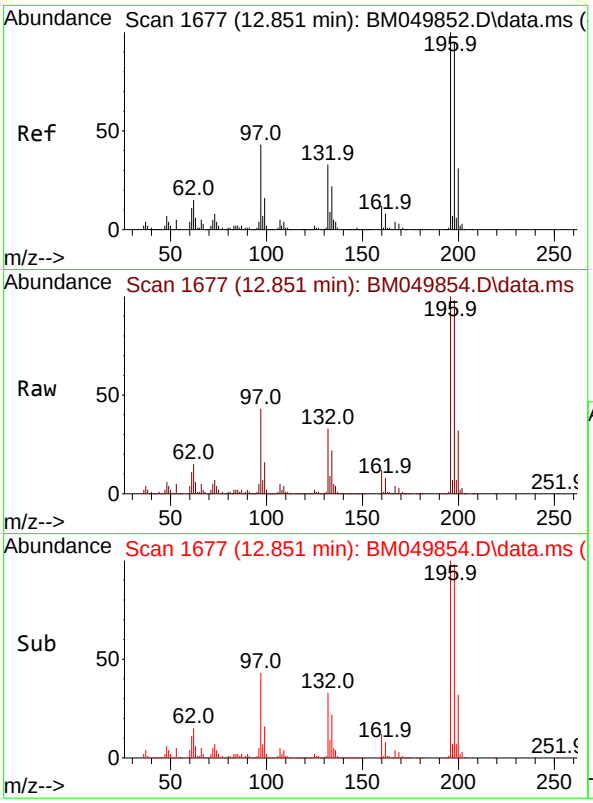


#42
2,4,6-Tribromophenol
Concen: 133.337 ng
RT: 15.915 min Scan# 2198
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:330 Resp: 1794801

Ion	Ratio	Lower	Upper
330	100		
332	96.3	78.0	117.0
141	25.6	23.5	35.3

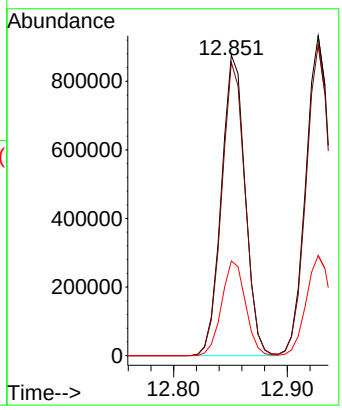




#43
2,4,6-Trichlorophenol
Concen: 61.873 ng
RT: 12.851 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:196 Resp: 127469

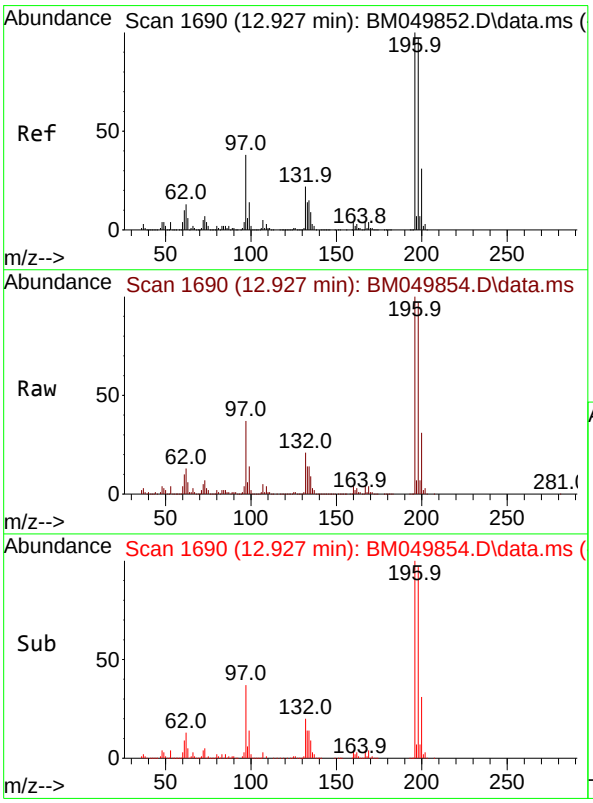
Ion	Ratio	Lower	Upper
196	100		
198	97.5	76.1	114.1
200	31.5	24.7	37.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

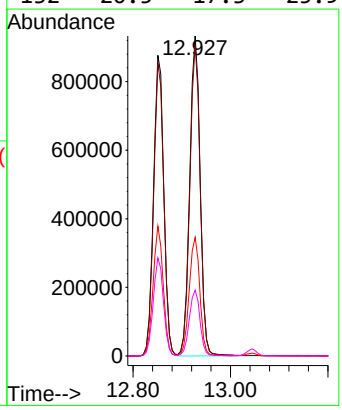
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

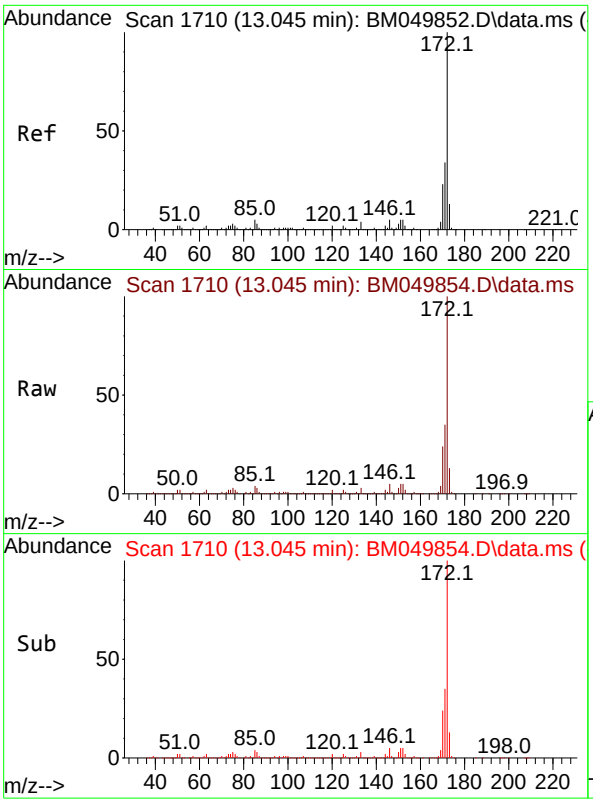


#44
2,4,5-Trichlorophenol
Concen: 62.494 ng
RT: 12.927 min Scan# 1690
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:196 Resp: 1399112

Ion	Ratio	Lower	Upper
196	100		
198	97.2	77.7	116.5
97	37.1	30.3	45.5
132	20.5	17.3	25.9

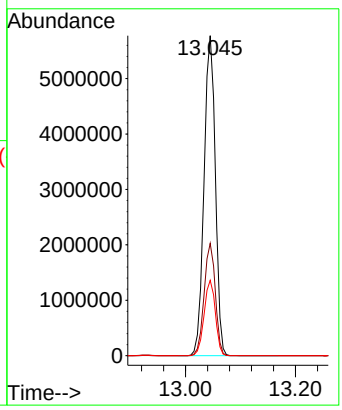




#45
2-Fluorobiphenyl
Concen: 120.538 ng
RT: 13.045 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:172 Resp: 822625

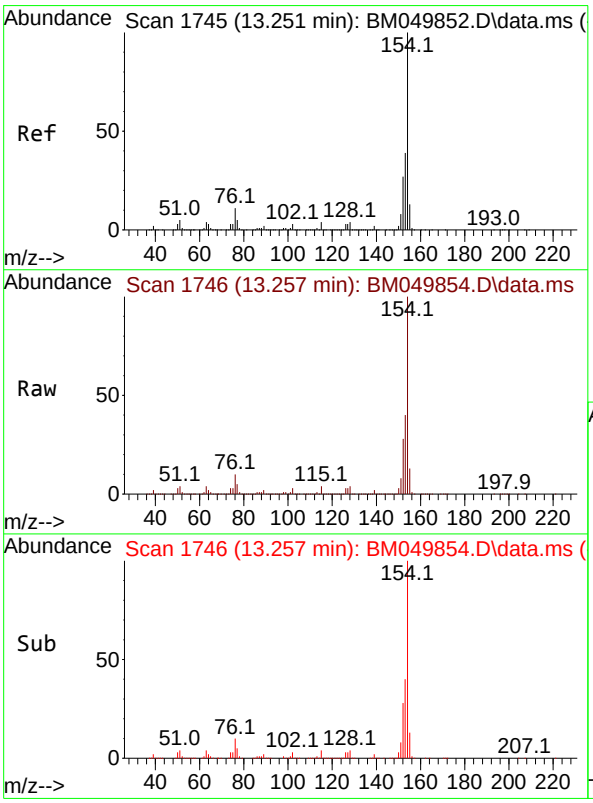
Ion	Ratio	Lower	Upper
172	100		
171	35.1	27.4	41.2
170	23.5	18.6	28.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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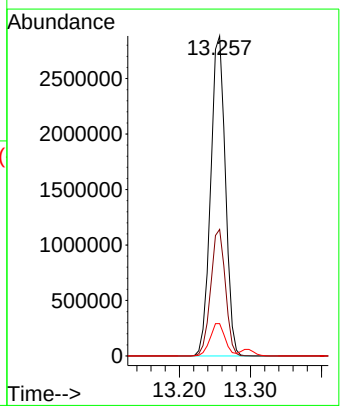
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

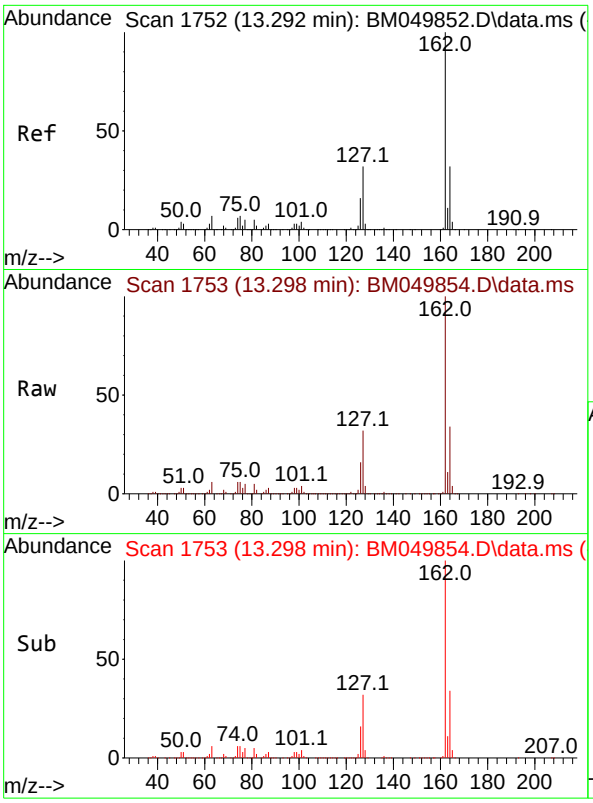


#46
1,1'-Biphenyl
Concen: 60.146 ng
RT: 13.257 min Scan# 1746
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:154 Resp: 4137656

Ion	Ratio	Lower	Upper
154	100		
153	39.6	19.3	59.3
76	10.1	0.0	30.7

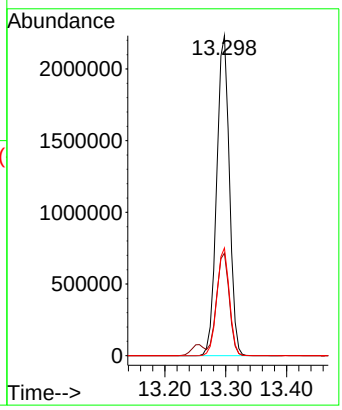




#47
2-Chloronaphthalene
Concen: 59.679 ng
RT: 13.298 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:162 Resp: 322686

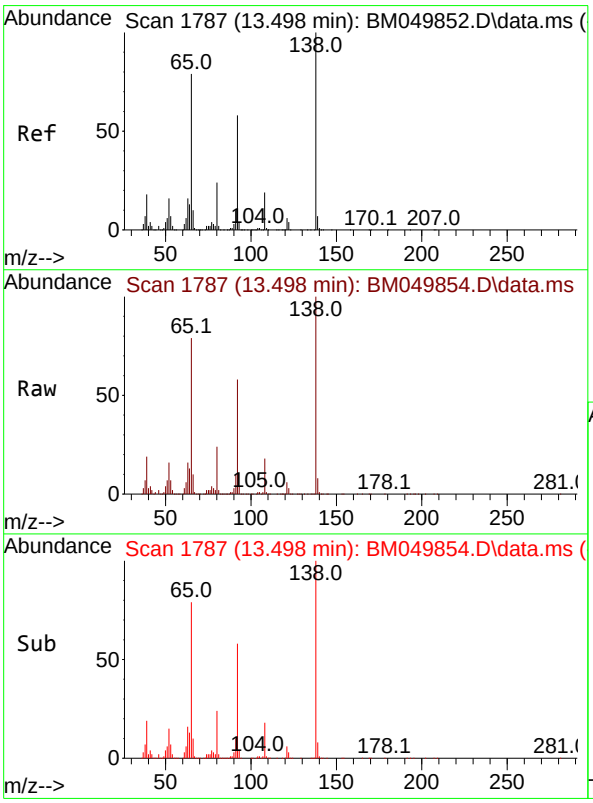
Ion	Ratio	Lower	Upper
162	100		
127	32.0	26.0	39.0
164	33.7	25.9	38.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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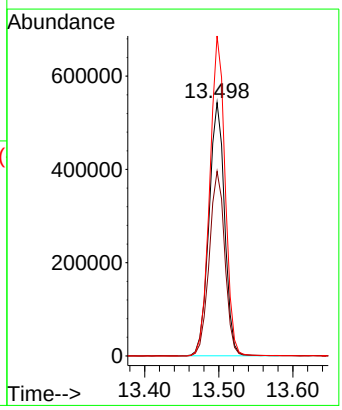
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

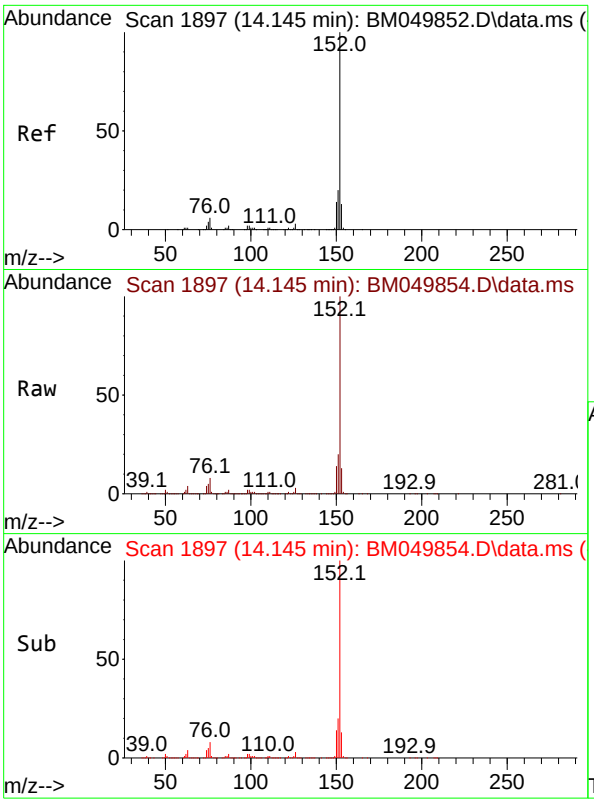


#48
2-Nitroaniline
Concen: 63.562 ng
RT: 13.498 min Scan# 1787
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 65 Resp: 795093

Ion	Ratio	Lower	Upper
65	100		
92	72.9	58.4	87.6
138	126.3	100.8	151.2

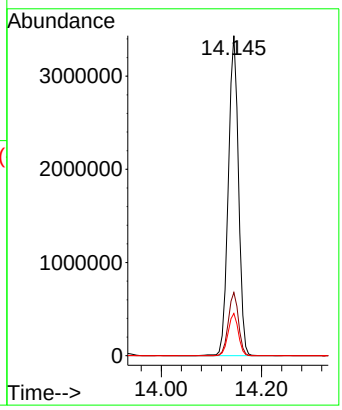




#49
Acenaphthylene
Concen: 61.175 ng
RT: 14.145 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:152 Resp: 481822

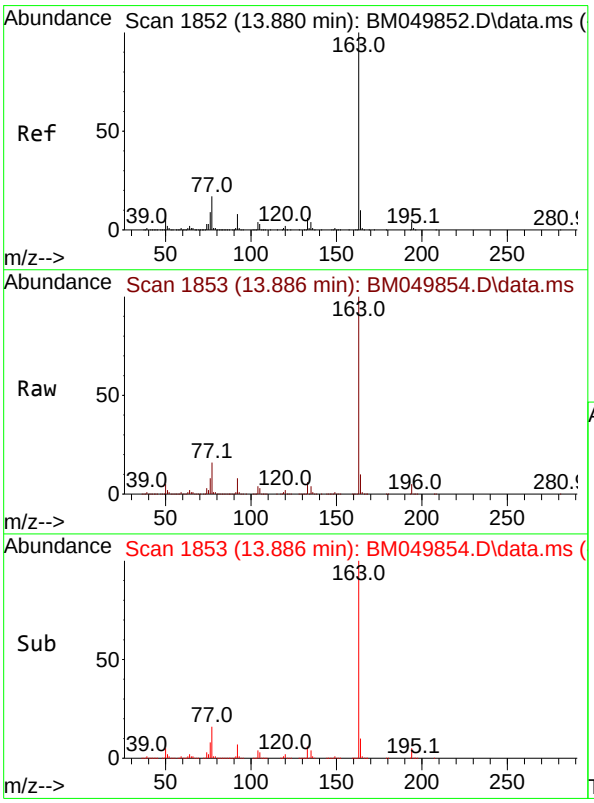
Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.7	23.5
153	13.2	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

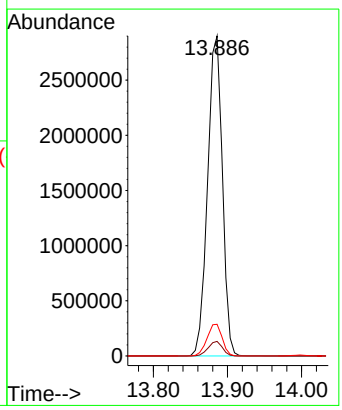
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

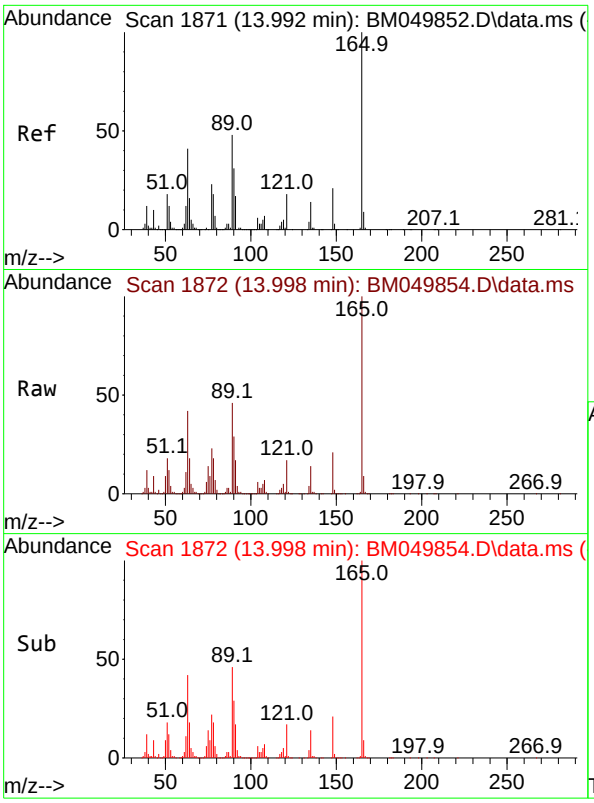


#50
Dimethylphthalate
Concen: 61.481 ng
RT: 13.886 min Scan# 1853
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:163 Resp: 4013924

Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.5	5.3
164	9.9	7.9	11.9





#51
2,6-Dinitrotoluene
Concen: 64.439 ng
RT: 13.998 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

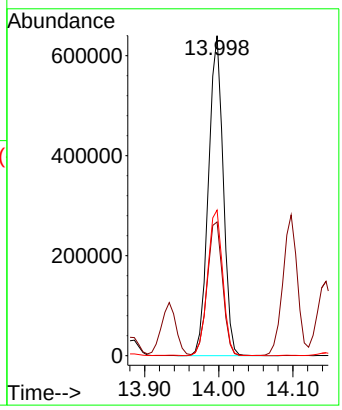
Tgt Ion:165 Resp: 88143

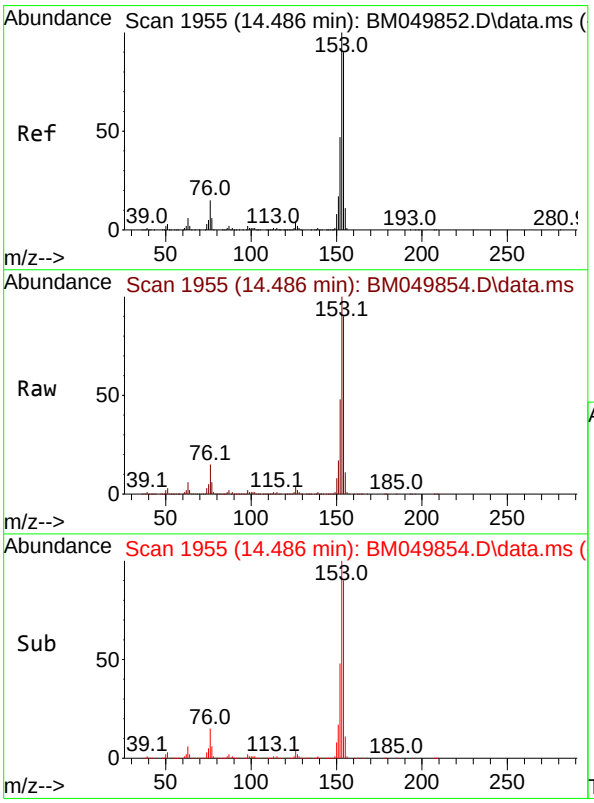
Ion	Ratio	Lower	Upper
165	100		
63	41.8	36.1	54.1
89	45.5	38.3	57.5

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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

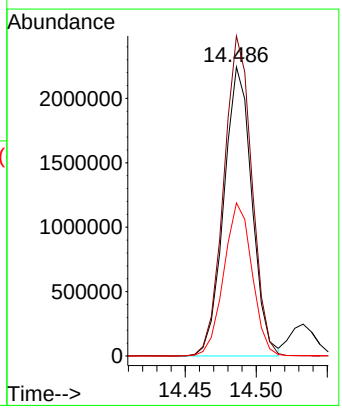


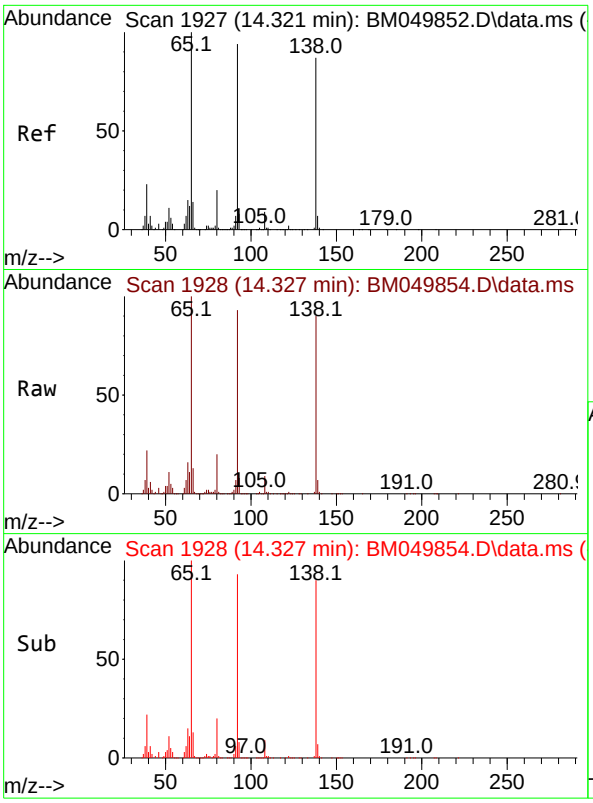


#52
Acenaphthene
Concen: 61.523 ng
RT: 14.486 min Scan# 1955
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:154 Resp: 3082249

Ion	Ratio	Lower	Upper
154	100		
153	110.7	89.3	133.9
152	52.9	42.2	63.2





#53
3-Nitroaniline
Concen: 61.958 ng
RT: 14.327 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

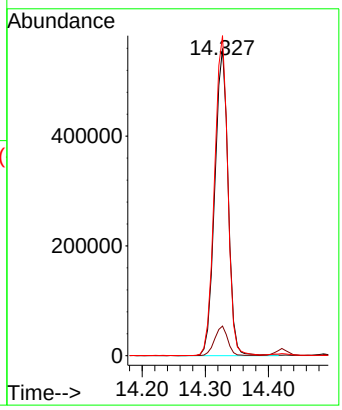
Tgt Ion:138 Resp: 81911

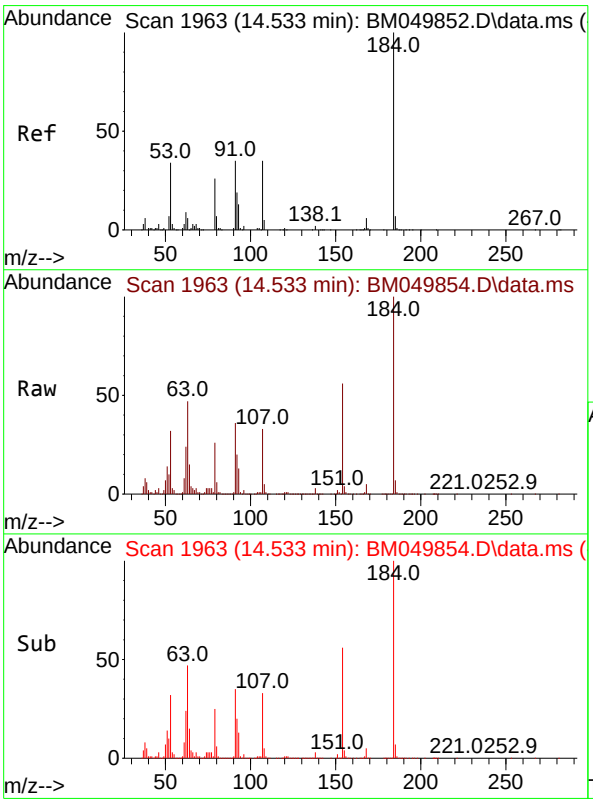
Ion	Ratio	Lower	Upper
138	100		
108	9.7	8.1	12.1
92	104.2	86.5	129.7

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

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

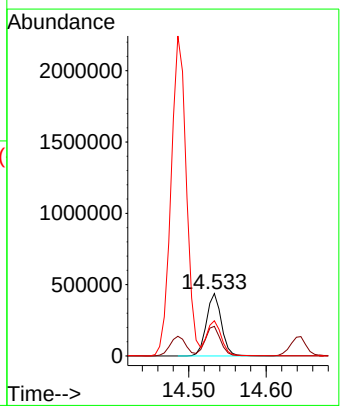


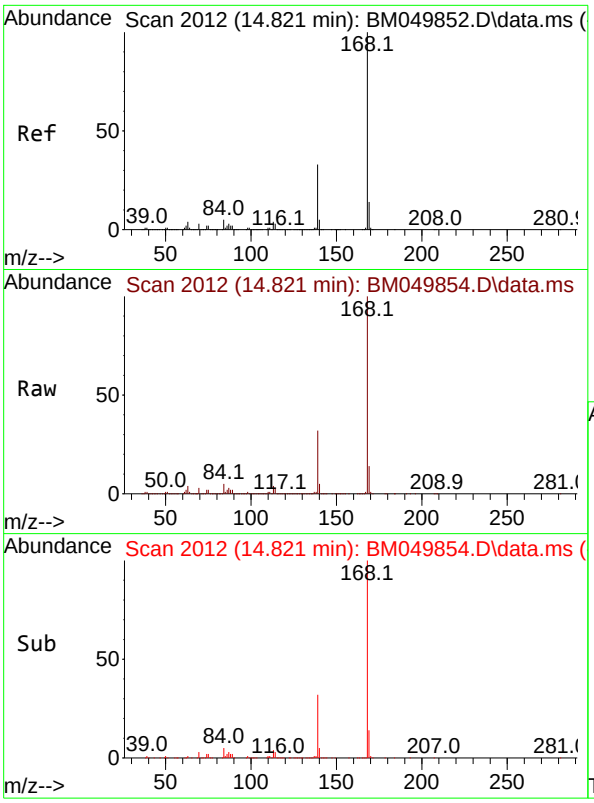


#54
2,4-Dinitrophenol
Concen: 61.369 ng
RT: 14.533 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:184 Resp: 589583

Ion	Ratio	Lower	Upper
184	100		
63	47.4	38.4	57.6
154	56.4	48.1	72.1

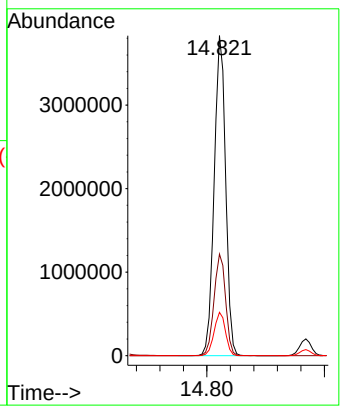




#55
Dibenzofuran
Concen: 61.715 ng
RT: 14.821 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:168 Resp: 516864

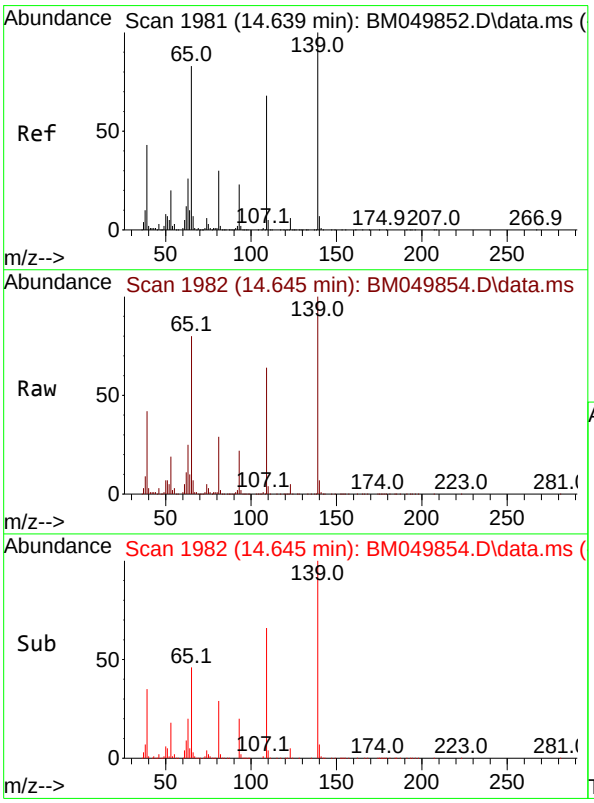
Ion	Ratio	Lower	Upper
168	100		
139	31.7	26.6	39.8
169	13.6	11.0	16.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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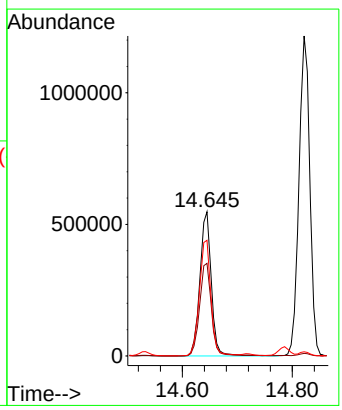
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

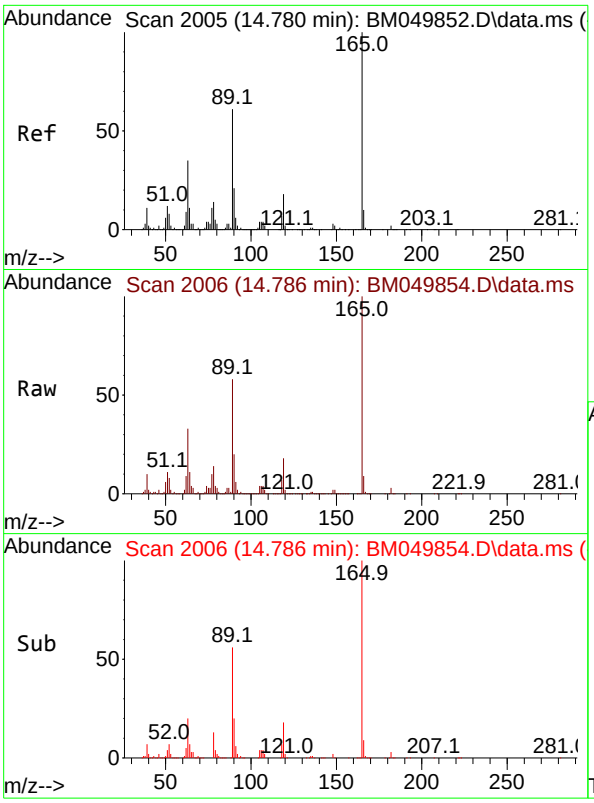


#56
4-Nitrophenol
Concen: 67.391 ng
RT: 14.645 min Scan# 1982
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:139 Resp: 793938

Ion	Ratio	Lower	Upper
139	100		
109	64.2	47.9	87.9
65	80.3	62.7	102.7

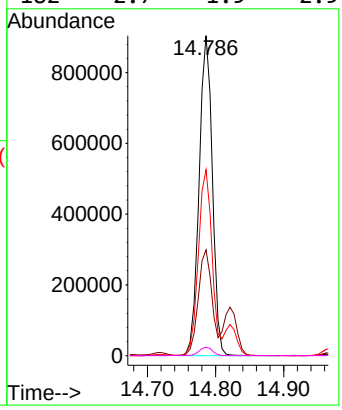




#57
2,4-Dinitrotoluene
Concen: 67.011 ng
RT: 14.786 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:165 Resp: 122283

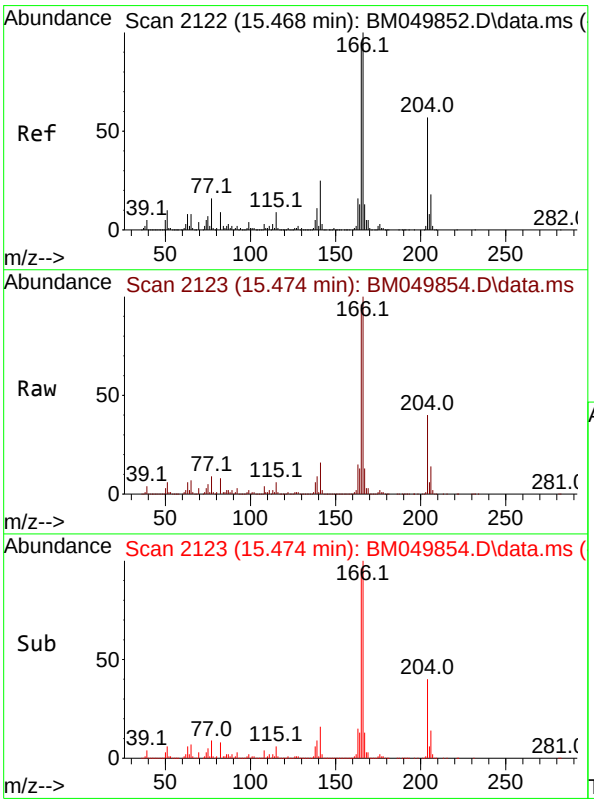
Ion	Ratio	Lower	Upper
165	100		
63	33.0	28.6	42.8
89	58.1	49.0	73.6
182	2.7	1.9	2.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

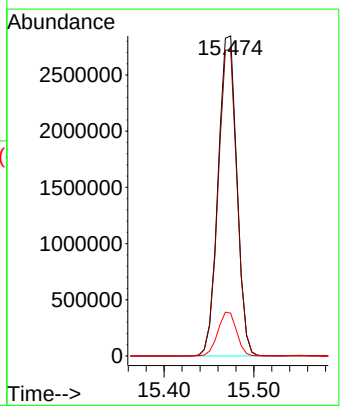
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

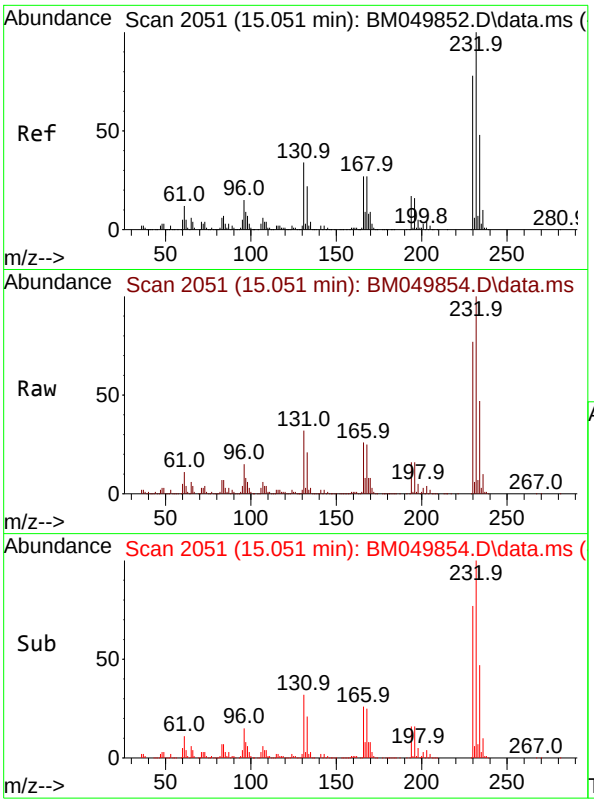


#58
Fluorene
Concen: 62.111 ng
RT: 15.474 min Scan# 2123
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:166 Resp: 4134865

Ion	Ratio	Lower	Upper
166	100		
165	95.8	76.3	114.5
167	13.3	10.7	16.1

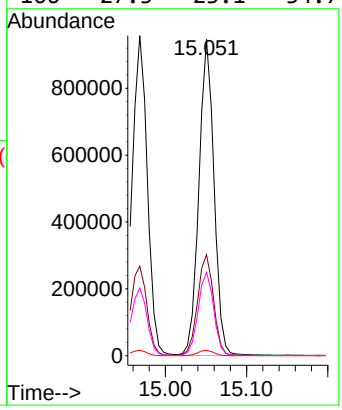




#59
2,3,4,6-Tetrachlorophenol
Concen: 62.237 ng
RT: 15.051 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:232 Resp: 122125

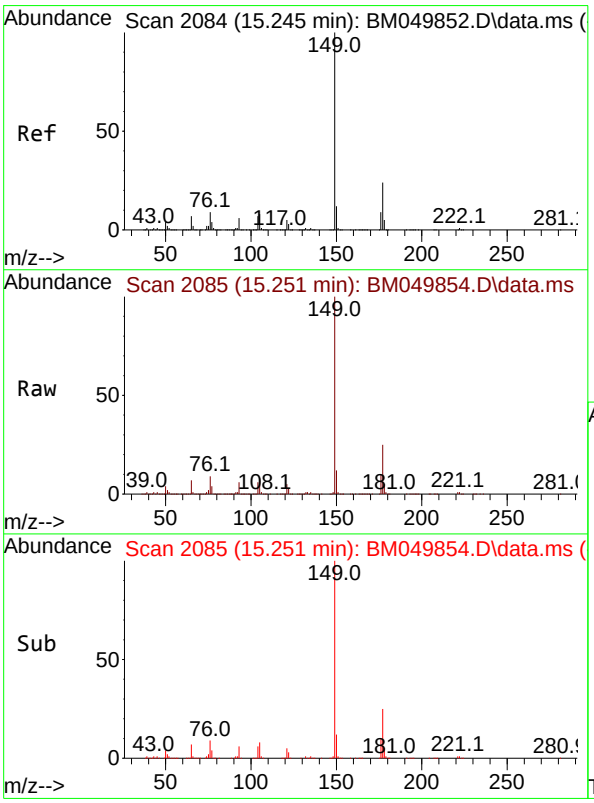
Ion	Ratio	Lower	Upper
232	100		
131	33.9	28.4	42.6
130	1.8	1.6	2.4
166	27.3	23.1	34.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

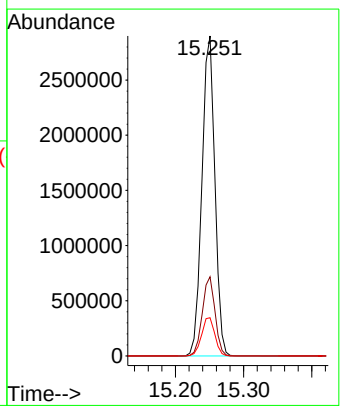
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

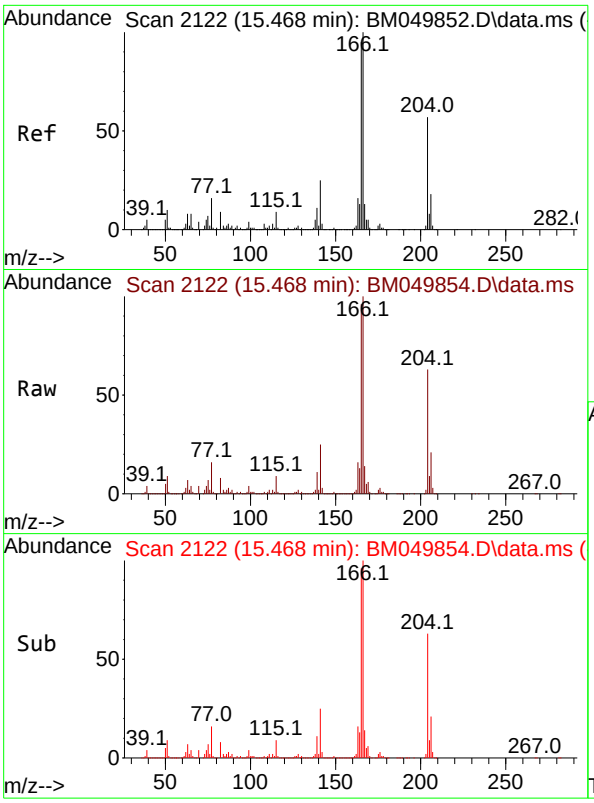


#60
Diethylphthalate
Concen: 61.113 ng
RT: 15.251 min Scan# 2085
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:149 Resp: 3826285

Ion	Ratio	Lower	Upper
149	100		
177	24.8	19.0	28.4
150	11.9	9.7	14.5





#61
4-Chlorophenyl-phenylether
Concen: 64.546 ng
RT: 15.468 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

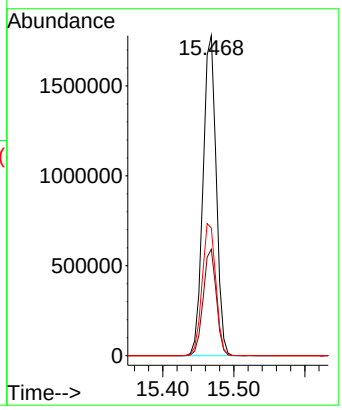
Tgt Ion:204 Resp: 230374

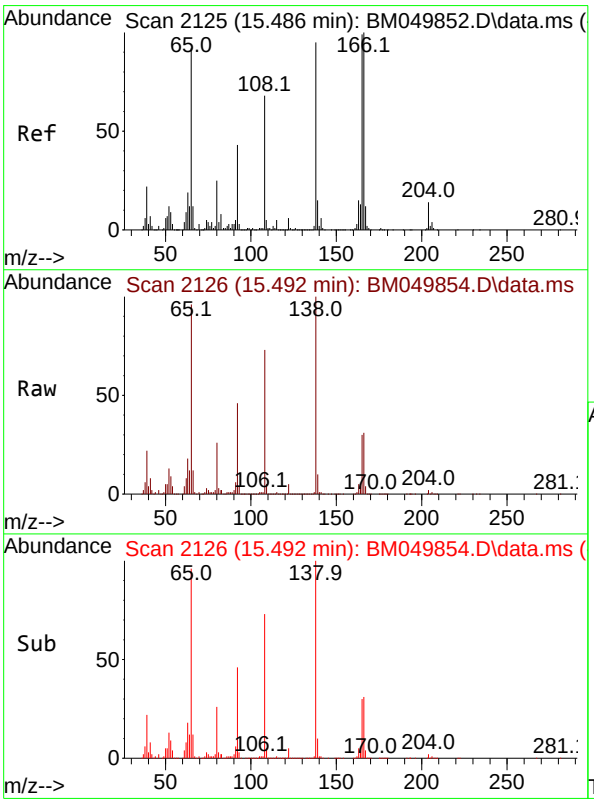
Ion	Ratio	Lower	Upper
204	100		
206	33.2	26.2	39.2
141	39.9	35.0	52.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

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

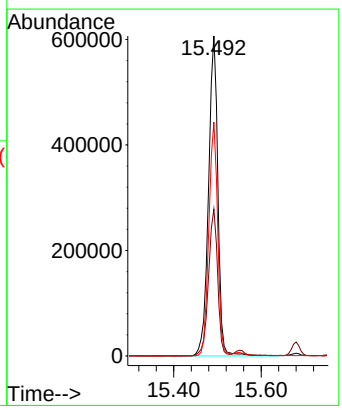


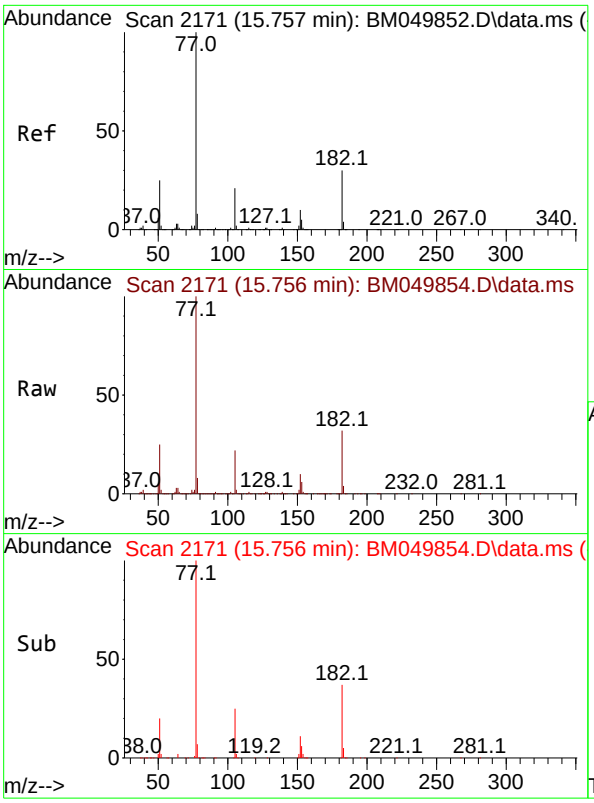


#62
4-Nitroaniline
Concen: 66.324 ng
RT: 15.492 min Scan# 2126
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:138 Resp: 906760

Ion	Ratio	Lower	Upper
138	100		
92	45.9	24.9	64.9
108	73.1	51.7	91.7

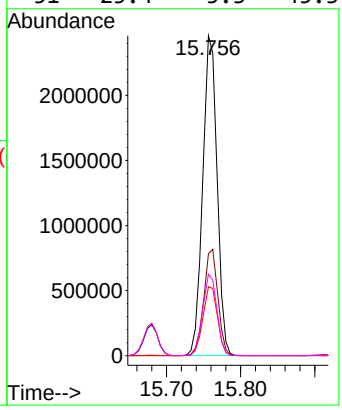




#63
Azobenzene
Concen: 61.760 ng
RT: 15.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 77 Resp: 331055

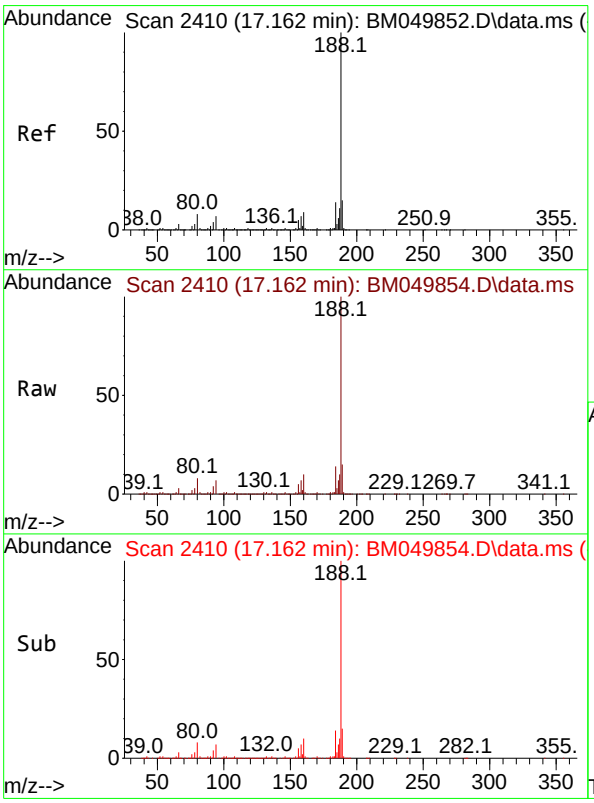
Ion	Ratio	Lower	Upper
77	100		
182	31.9	10.4	50.4
105	21.6	1.5	41.5
51	25.4	5.3	45.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

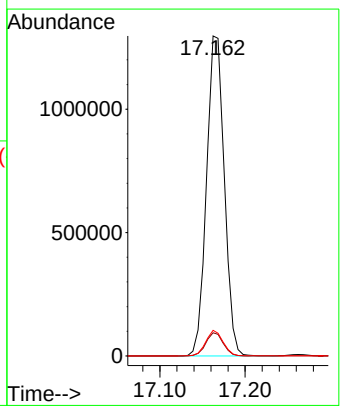
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

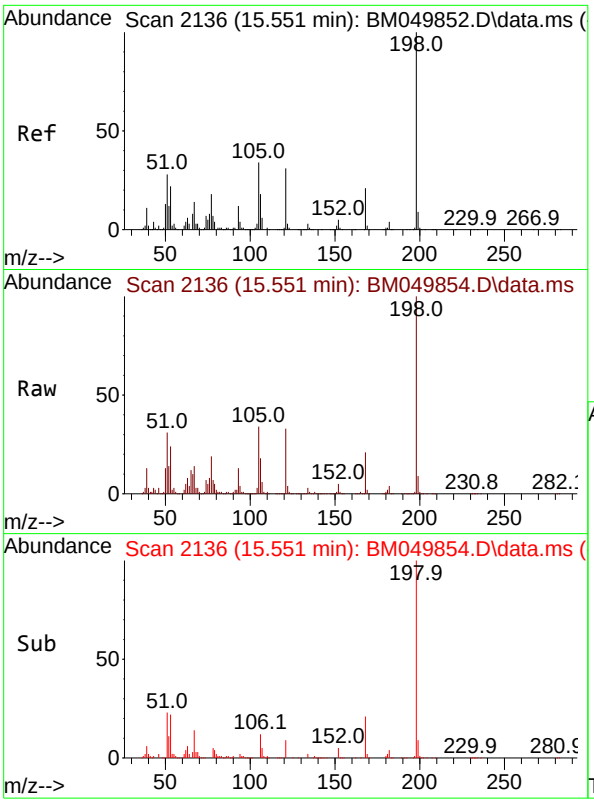


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.162 min Scan# 2410
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:188 Resp: 1882039

Ion	Ratio	Lower	Upper
188	100		
94	7.2	5.8	8.6
80	8.0	6.4	9.6

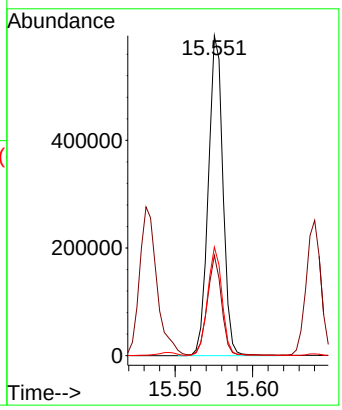




#65
4,6-Dinitro-2-methylphenol
Concen: 65.675 ng
RT: 15.551 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:198 Resp: 77888

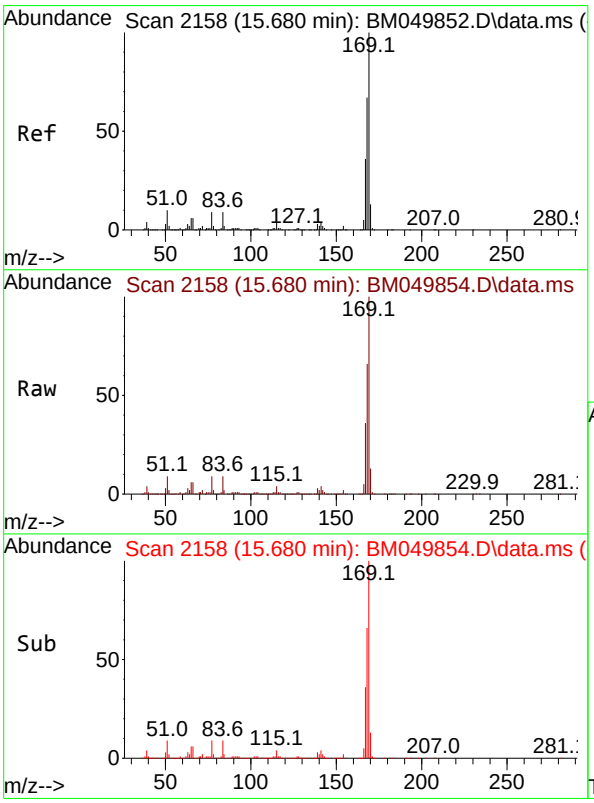
Ion	Ratio	Lower	Upper
198	100		
51	31.3	9.6	49.6
105	33.9	14.7	54.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

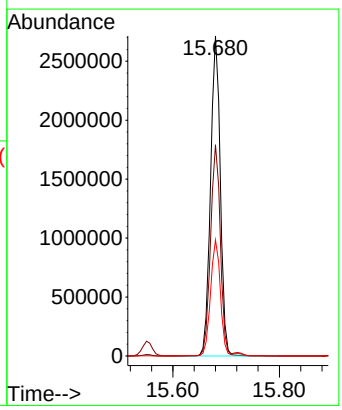
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

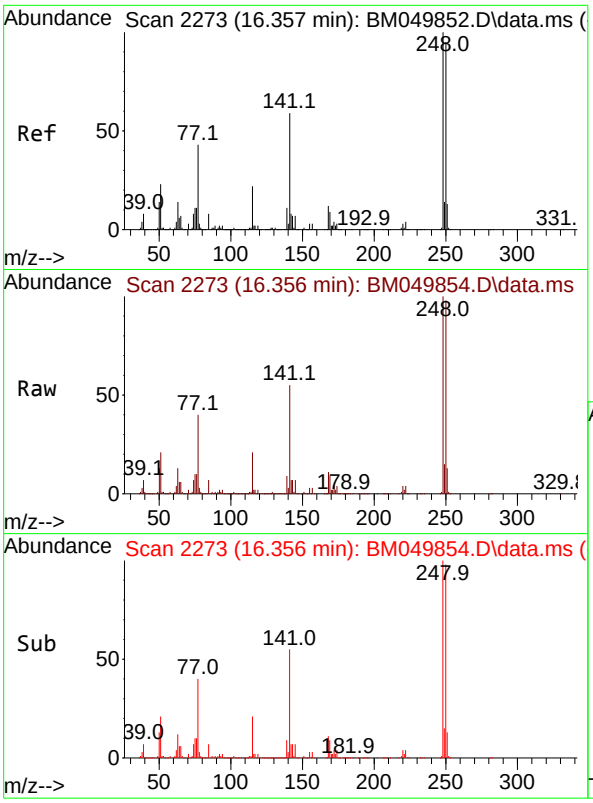


#66
n-Nitrosodiphenylamine
Concen: 61.149 ng
RT: 15.680 min Scan# 2158
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:169 Resp: 3444083

Ion	Ratio	Lower	Upper
169	100		
168	66.0	53.4	80.2
167	36.3	29.0	43.6

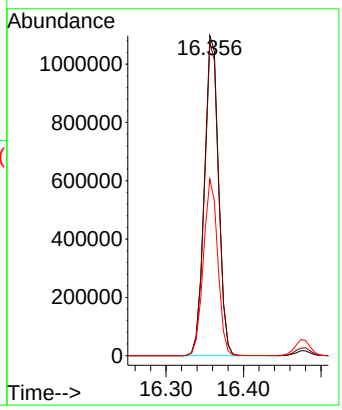




#67
4-Bromophenyl-phenylether
Concen: 63.930 ng
RT: 16.356 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:248 Resp: 139675

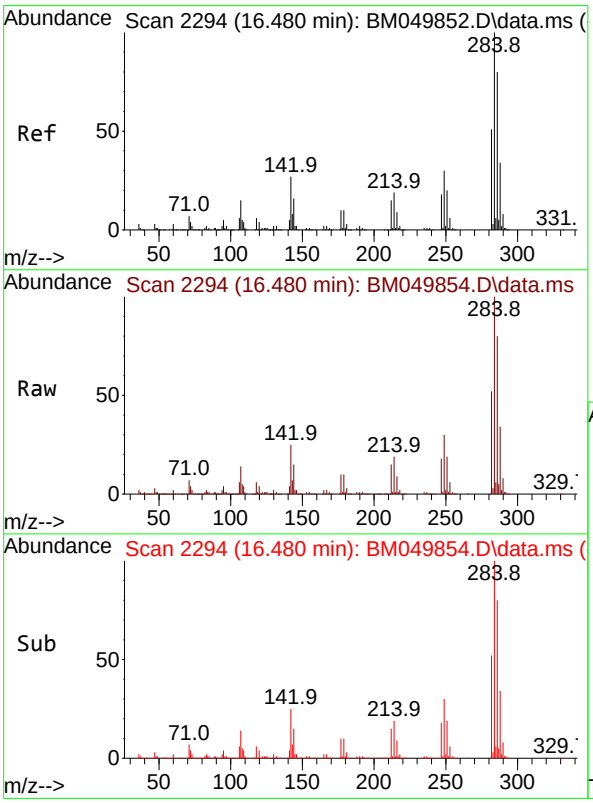
Ion	Ratio	Lower	Upper
248	100		
250	97.9	76.2	114.2
141	55.2	47.3	70.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

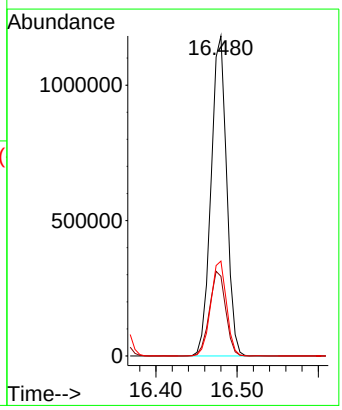
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

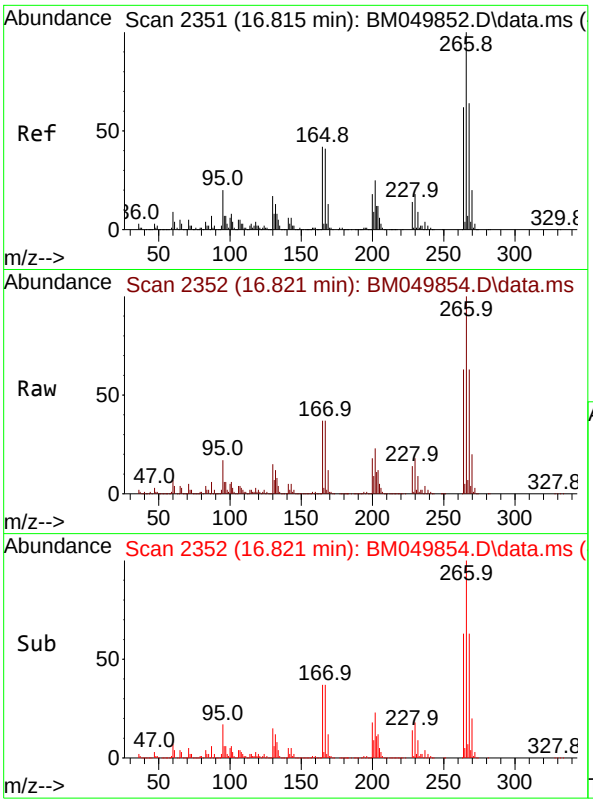


#68
Hexachlorobenzene
Concen: 62.842 ng
RT: 16.480 min Scan# 2294
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:284 Resp: 1574846

Ion	Ratio	Lower	Upper
284	100		
142	24.9	21.2	31.8
249	29.6	24.1	36.1





#70
Pentachlorophenol
Concen: 62.277 ng
RT: 16.821 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

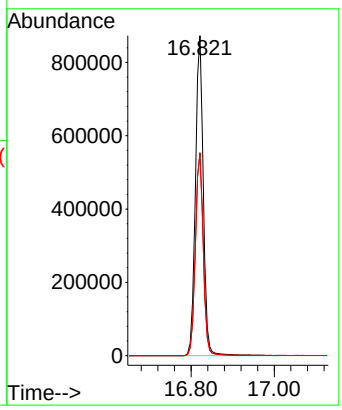
Tgt Ion:266 Resp: 114901

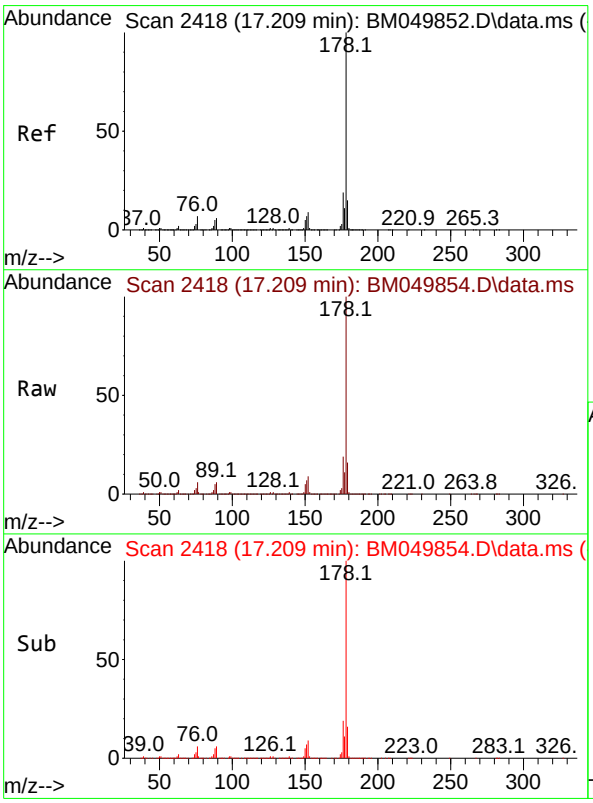
Ion	Ratio	Lower	Upper
266	100		
268	63.5	51.4	77.2
264	63.3	49.8	74.8

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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

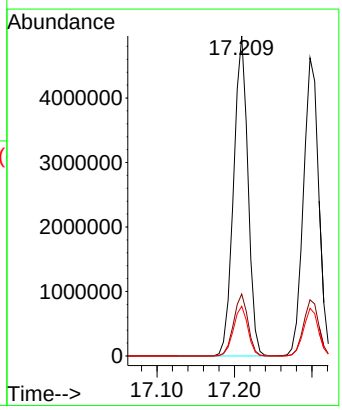


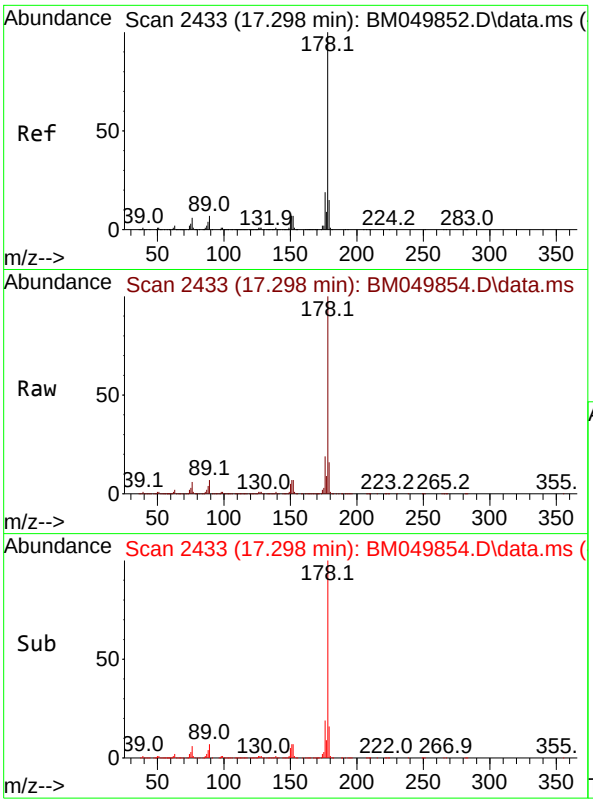


#71
Phenanthrene
Concen: 62.082 ng
RT: 17.209 min Scan# 2418
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:178 Resp: 6405696

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	15.6	12.3	18.5

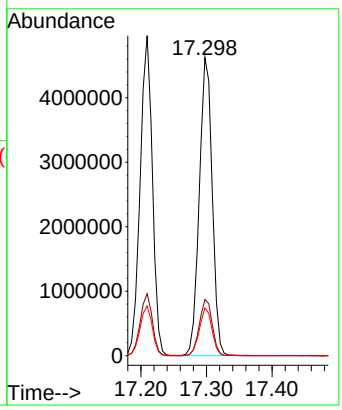




#72
Anthracene
Concen: 62.444 ng
RT: 17.298 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:178 Resp: 634945

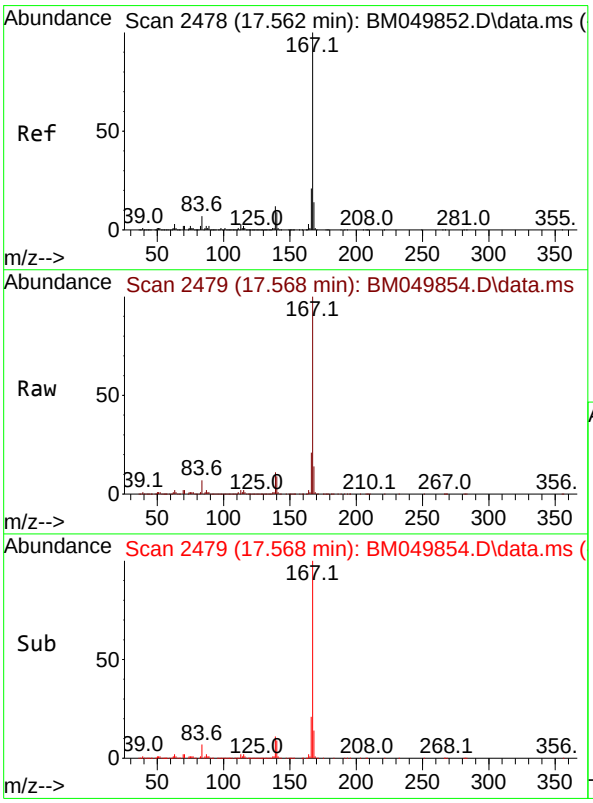
Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.1	22.7
179	16.0	12.4	18.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

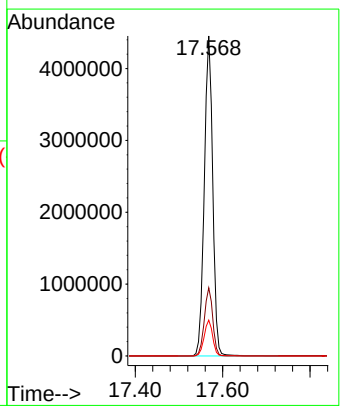
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

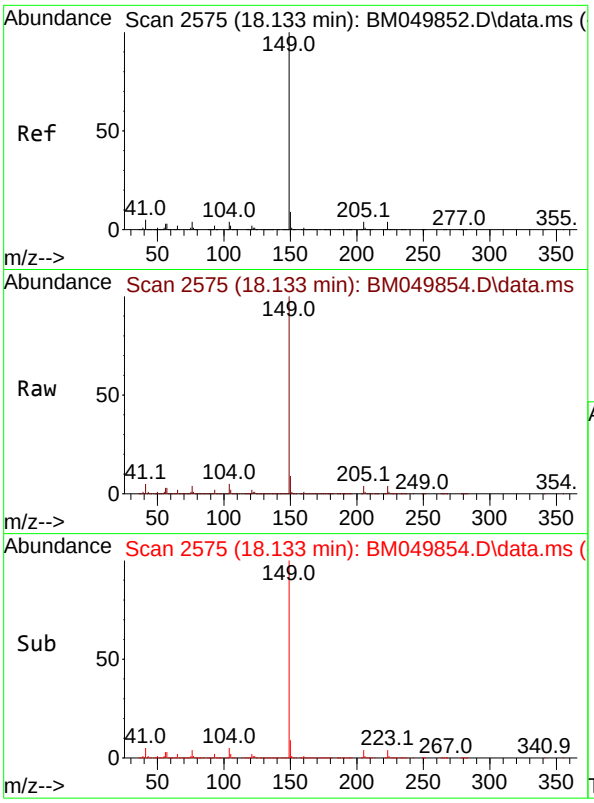


#73
Carbazole
Concen: 62.468 ng
RT: 17.568 min Scan# 2479
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:167 Resp: 5982768

Ion	Ratio	Lower	Upper
167	100		
166	21.3	16.9	25.3
139	11.2	9.3	13.9

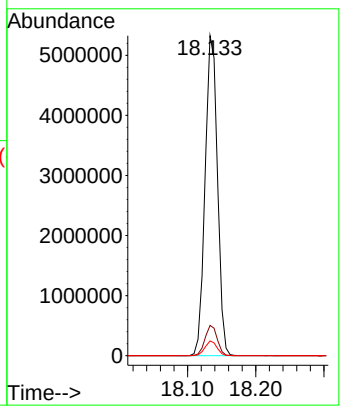




#74
Di-n-butylphthalate
Concen: 60.955 ng
RT: 18.133 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:149 Resp: 672403

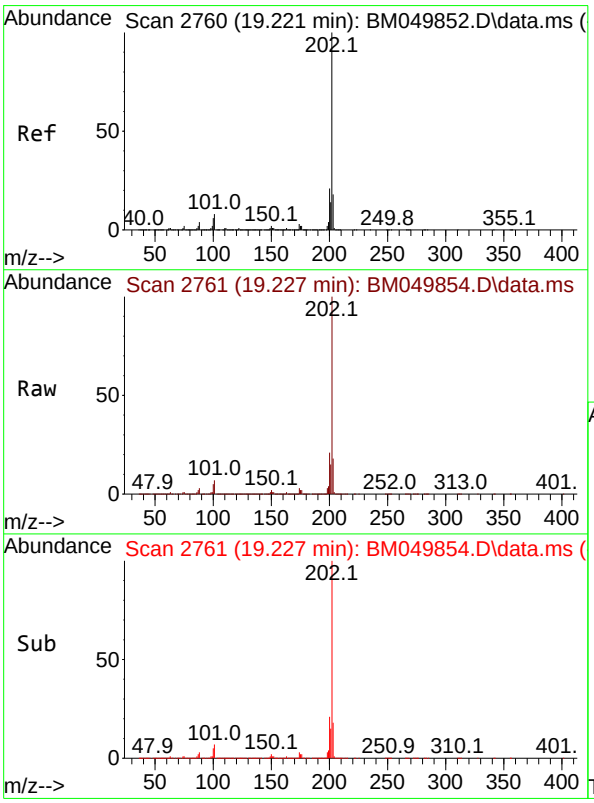
Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.5	11.3
104	4.6	3.5	5.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

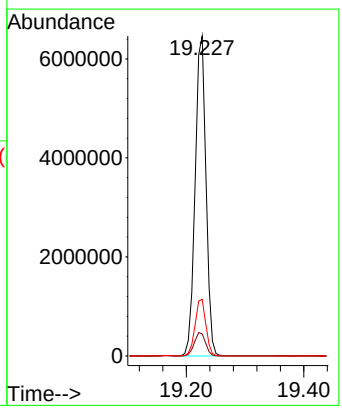
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

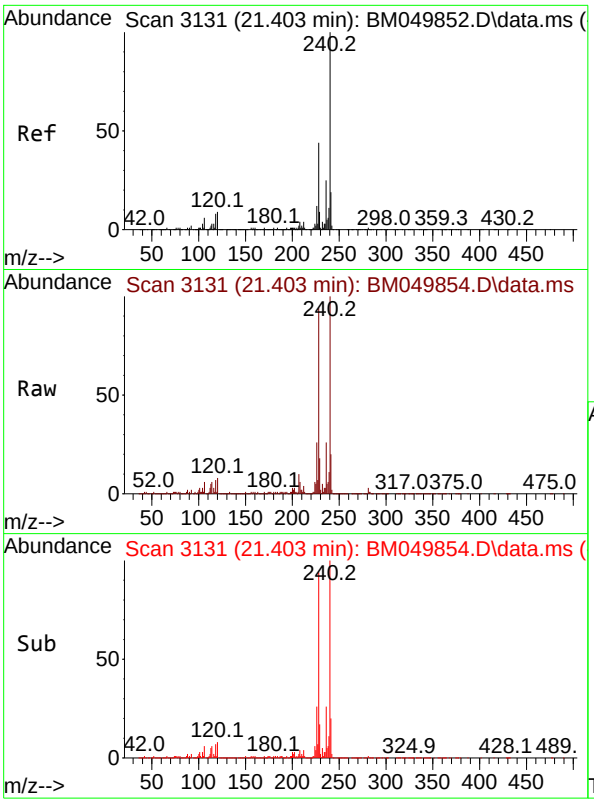


#75
Fluoranthene
Concen: 65.108 ng
RT: 19.227 min Scan# 2761
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:202 Resp: 8260007

Ion	Ratio	Lower	Upper
202	100		
101	6.9	0.0	28.4
203	17.7	0.0	37.8

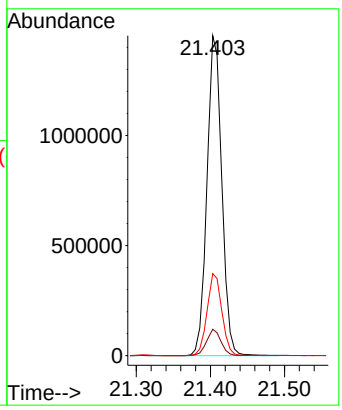




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:240 Resp: 201820

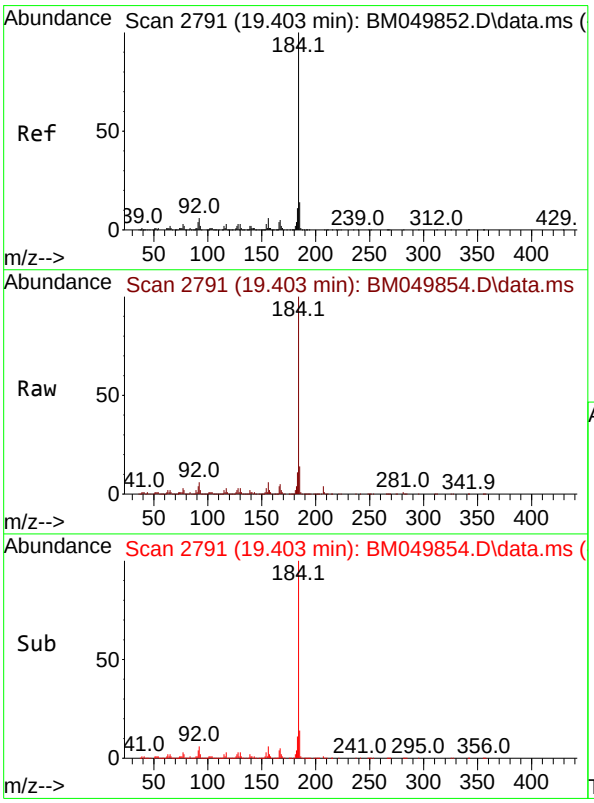
Ion	Ratio	Lower	Upper
240	100		
120	8.2	6.9	10.3
236	25.7	20.4	30.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

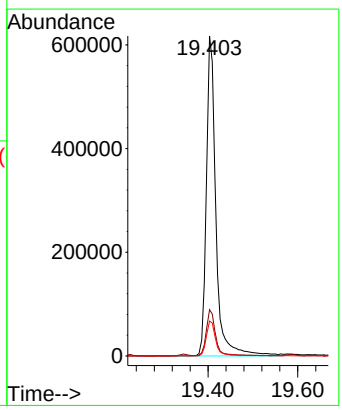
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

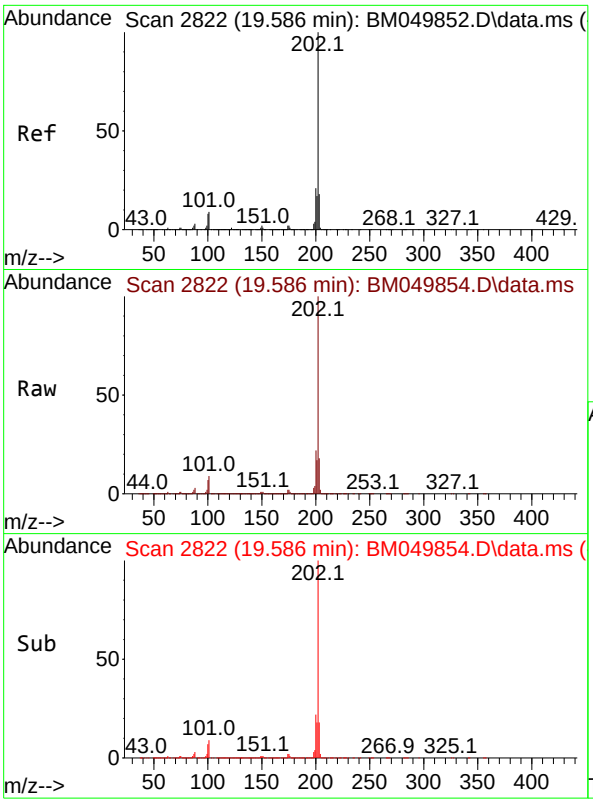


#77
Benzidine
Concen: 33.955 ng
RT: 19.403 min Scan# 2791
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:184 Resp: 909121

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.4	17.2
183	10.9	8.8	13.2





#78
Pyrene
Concen: 61.771 ng
RT: 19.586 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

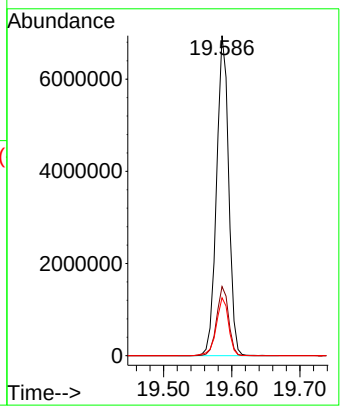
Tgt Ion:202 Resp: 859175

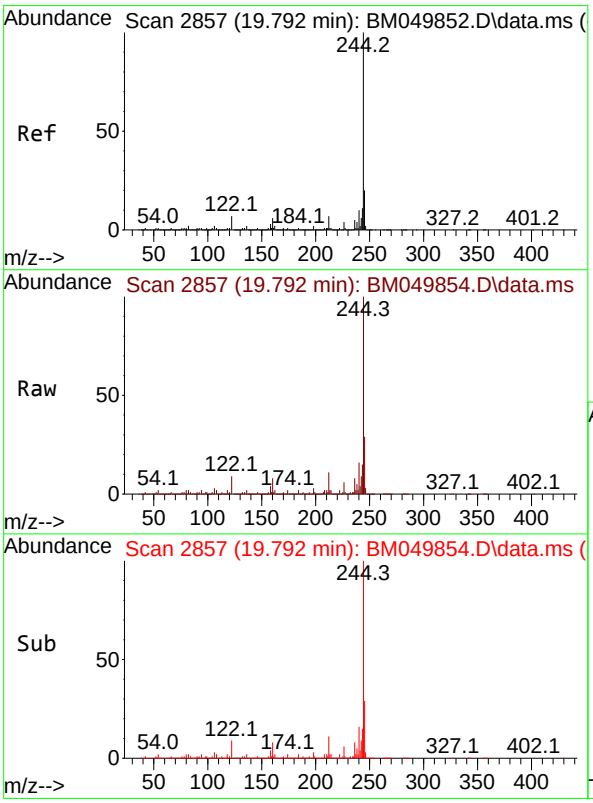
Ion	Ratio	Lower	Upper
202	100		
200	21.6	16.5	24.7
203	18.1	14.0	21.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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

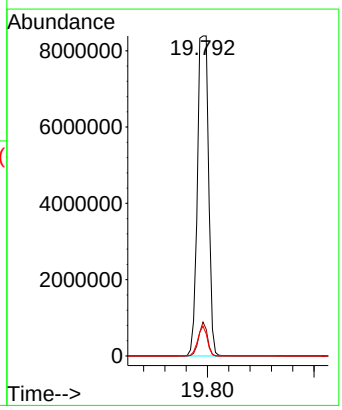


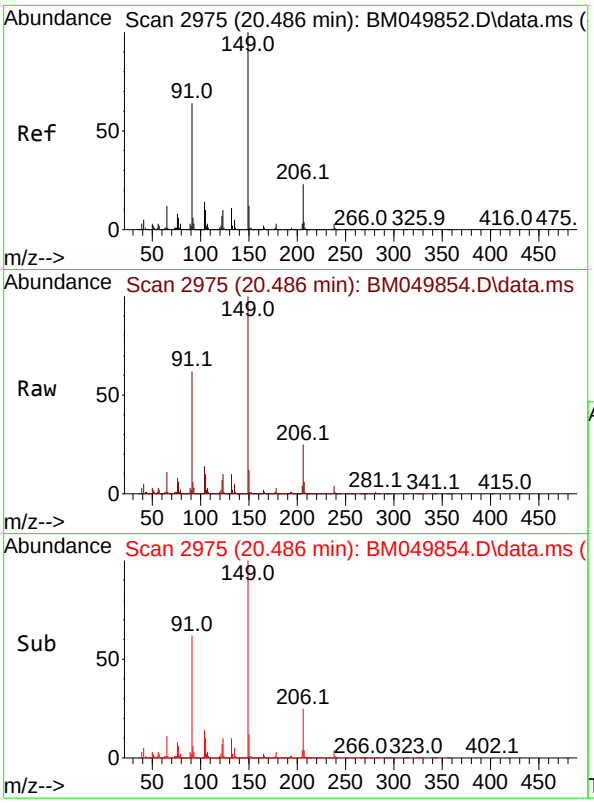


#79
Terphenyl-d14
Concen: 113.188 ng
RT: 19.792 min Scan# 2857
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:244 Resp:12189474

Ion	Ratio	Lower	Upper
244	100		
212	10.6	5.5	8.3#
122	9.3	5.4	8.0#

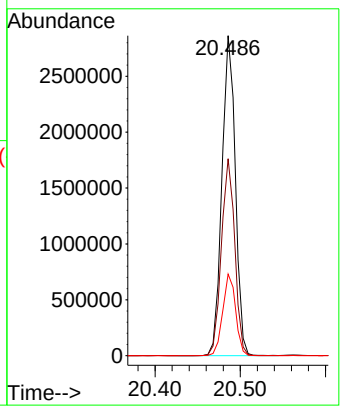




#80
Butylbenzylphthalate
Concen: 59.763 ng
RT: 20.486 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:149 Resp: 312345

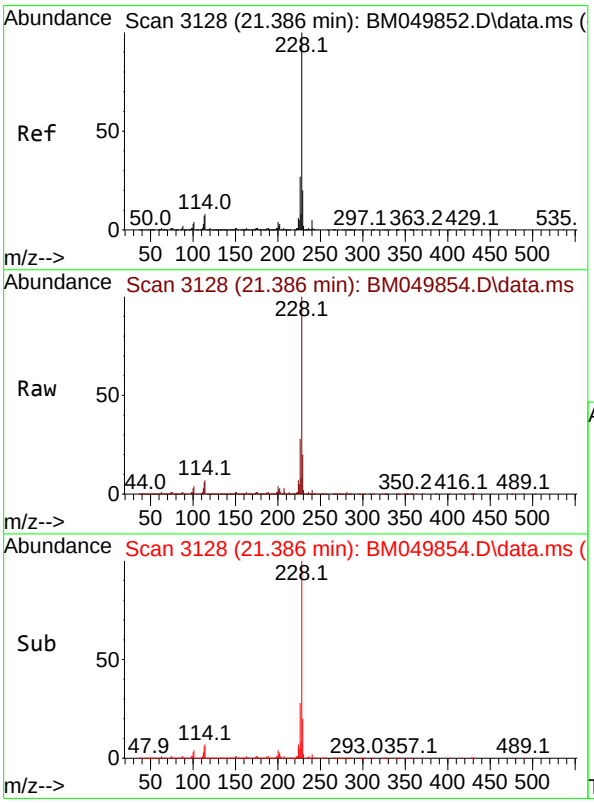
Ion	Ratio	Lower	Upper
149	100		
91	61.5	50.9	76.3
206	25.5	18.4	27.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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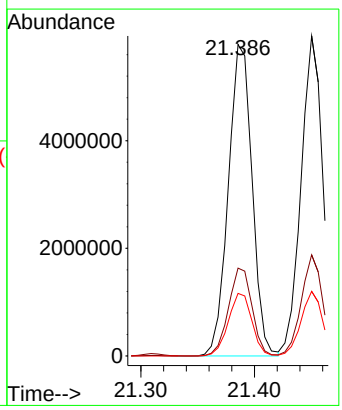
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

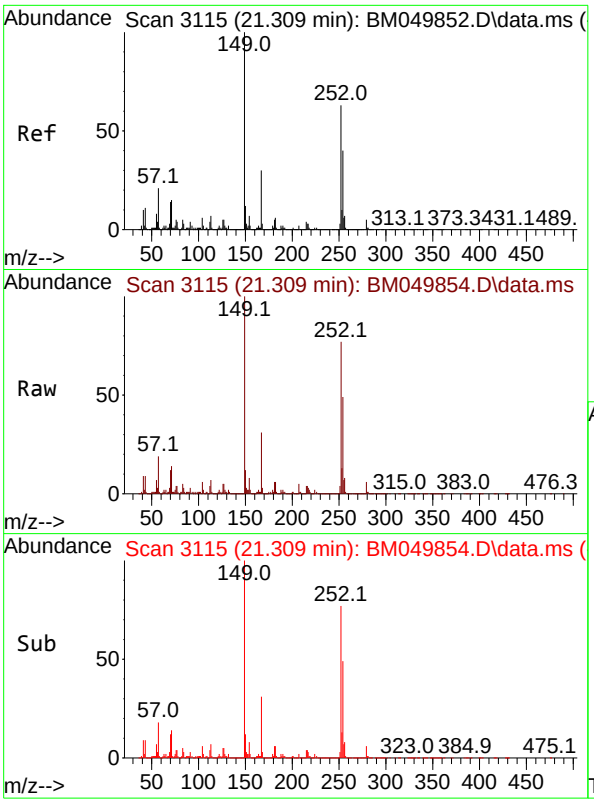


#81
Benzo(a)anthracene
Concen: 62.811 ng
RT: 21.386 min Scan# 3128
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:228 Resp: 8424711

Ion	Ratio	Lower	Upper
228	100		
226	28.2	21.8	32.8
229	20.1	15.8	23.8





#82
3,3'-Dichlorobenzidine
Concen: 64.252 ng
RT: 21.309 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

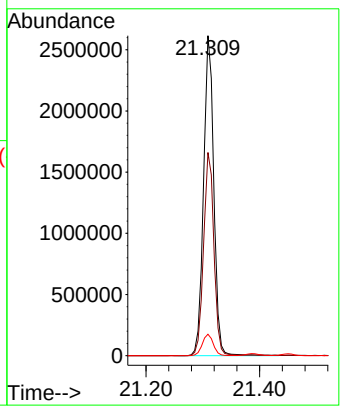
Tgt Ion:252 Resp: 325453

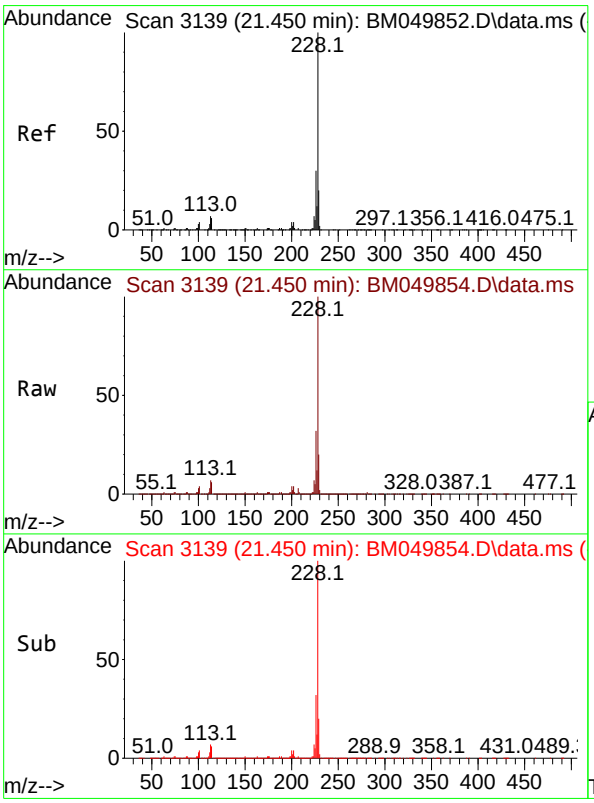
Ion	Ratio	Lower	Upper
252	100		
254	63.5	51.5	77.3
126	6.7	6.3	9.5

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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

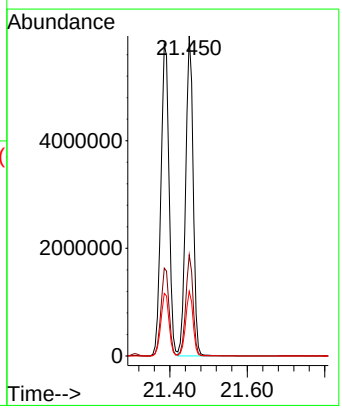


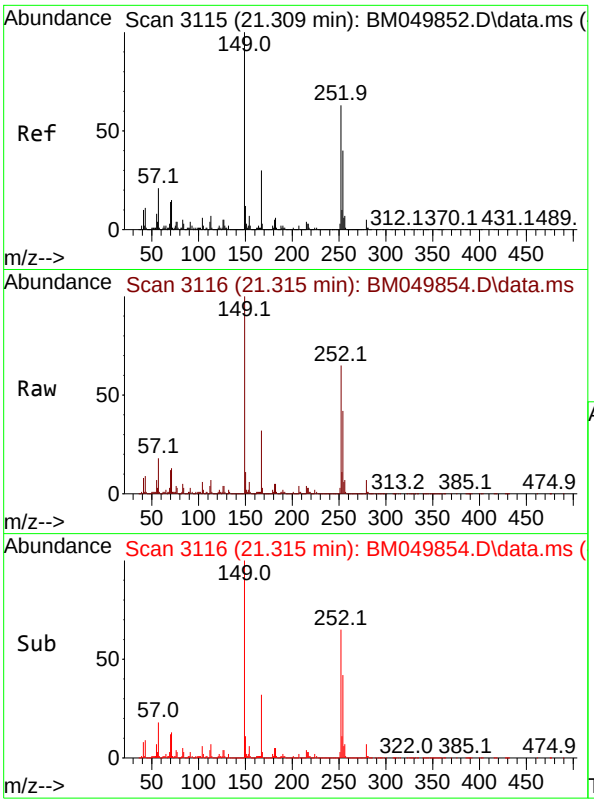


#83
Chrysene
Concen: 62.573 ng
RT: 21.450 min Scan# 3139
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:228 Resp: 7979154

Ion	Ratio	Lower	Upper
228	100		
226	31.6	24.1	36.1
229	20.2	15.8	23.6





#84
Bis(2-ethylhexyl)phthalate
Concen: 57.790 ng
RT: 21.315 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

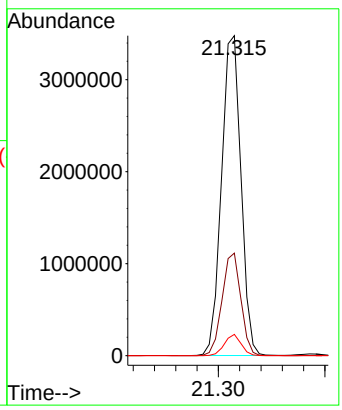
Instrument :
BNA_M
ClientSampleId :
SSTDICC060

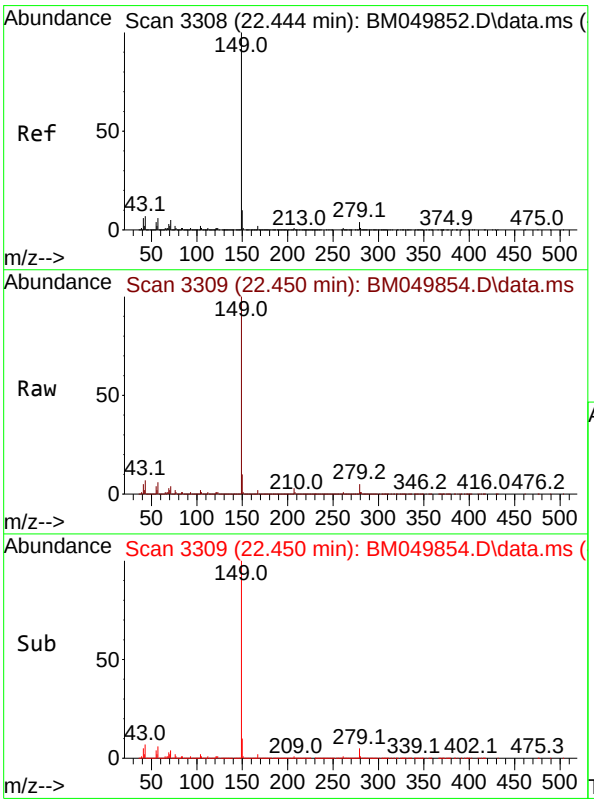
Tgt Ion:149 Resp: 440046

Ion	Ratio	Lower	Upper
149	100		
167	32.1	23.8	35.6
279	6.7	3.8	5.8

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

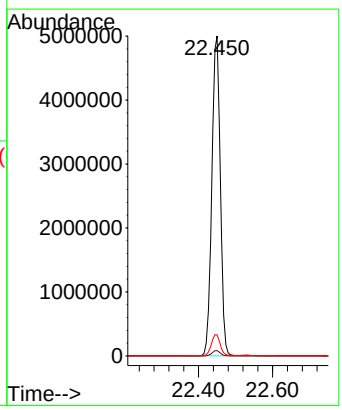


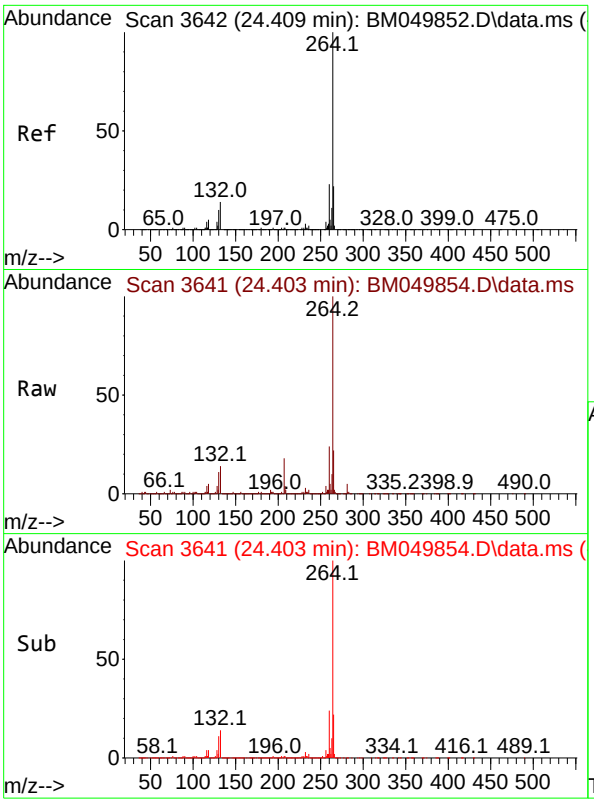


#85
Di-n-octyl phthalate
Concen: 59.593 ng
RT: 22.450 min Scan# 3309
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:149 Resp: 7938550

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.0	5.8	8.6

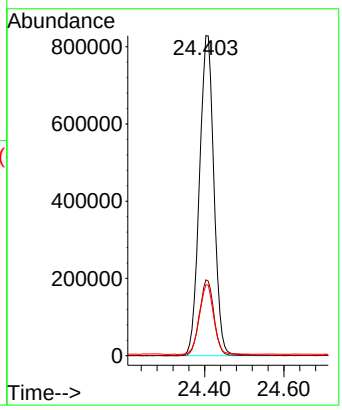




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.403 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:264 Resp: 210323

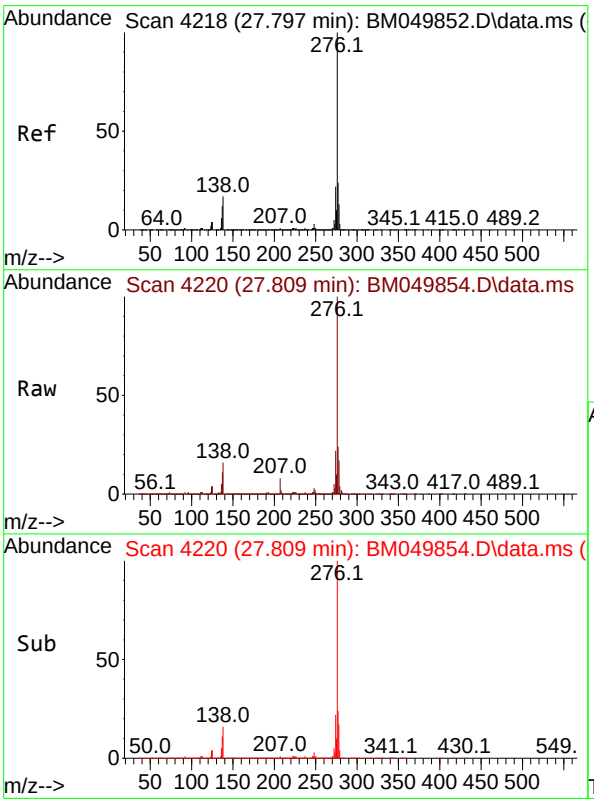
Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	28.0
265	22.1	17.8	26.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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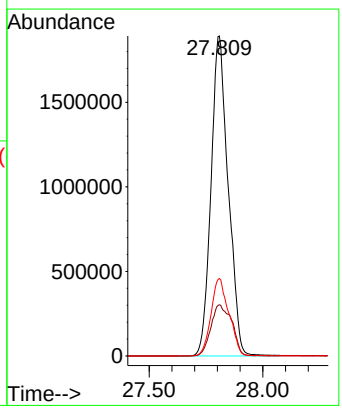
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

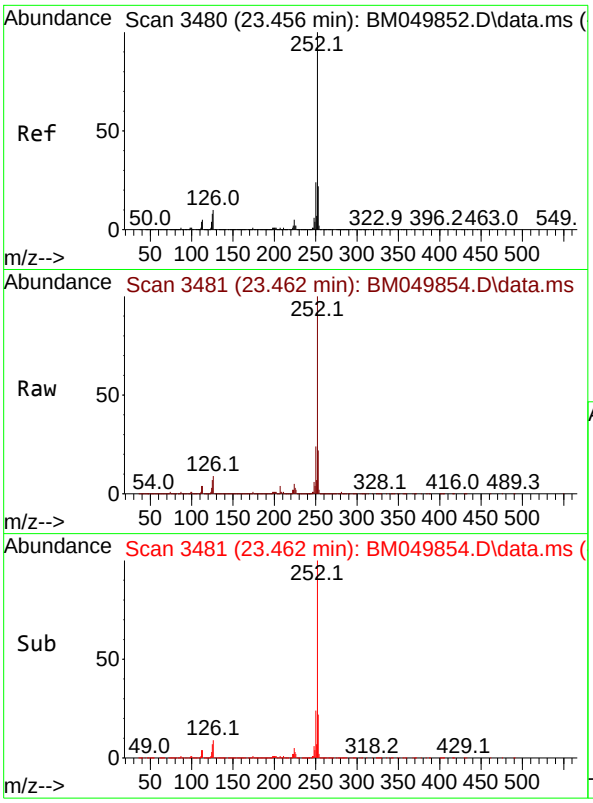


#87
Indeno(1,2,3-cd)pyrene
Concen: 63.483 ng
RT: 27.809 min Scan# 4220
Delta R.T. 0.012 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:276 Resp: 9952687

Ion	Ratio	Lower	Upper
276	100		
138	19.5	16.8	25.2
277	25.1	20.1	30.1





#88
Benzo(b)fluoranthene
Concen: 64.785 ng
RT: 23.462 min Scan# 34
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

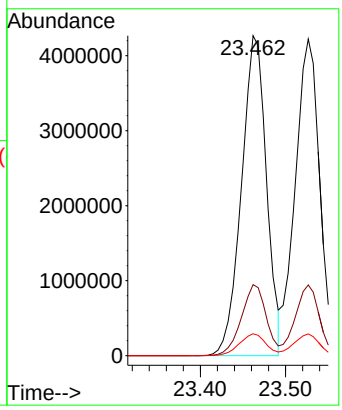
Tgt Ion:252 Resp: 870223

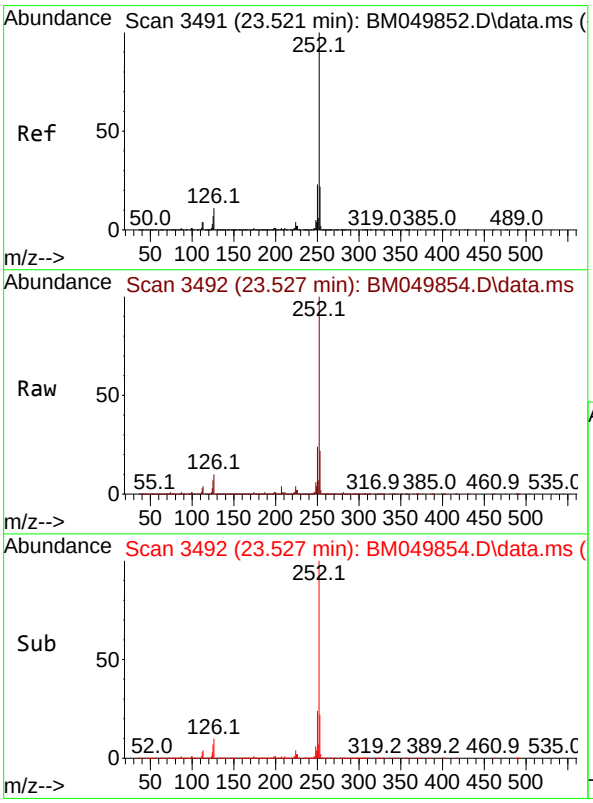
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	6.9	6.2	9.4

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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

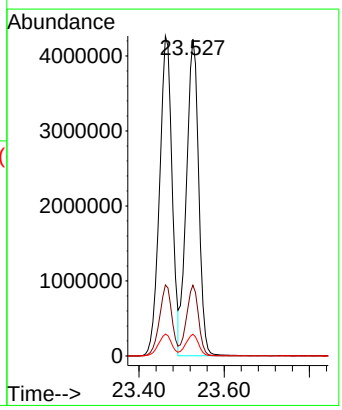


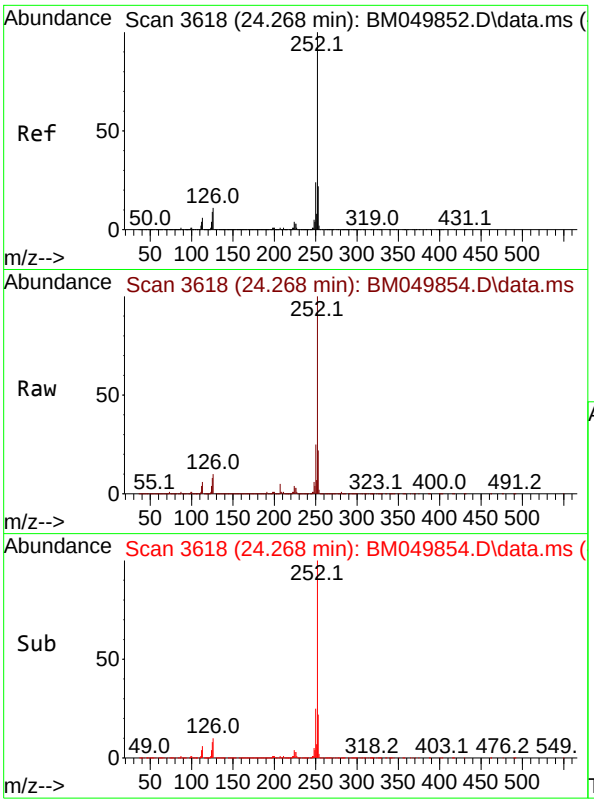


#89
Benzo(k)fluoranthene
Concen: 64.749 ng
RT: 23.527 min Scan# 3492
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:252 Resp: 8428431

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.2
125	6.9	5.8	8.8

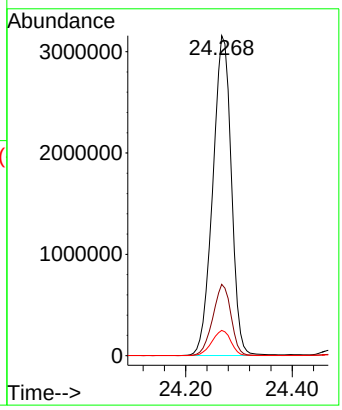




#90
Benzo(a)pyrene
Concen: 64.633 ng
RT: 24.268 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:252 Resp: 762910

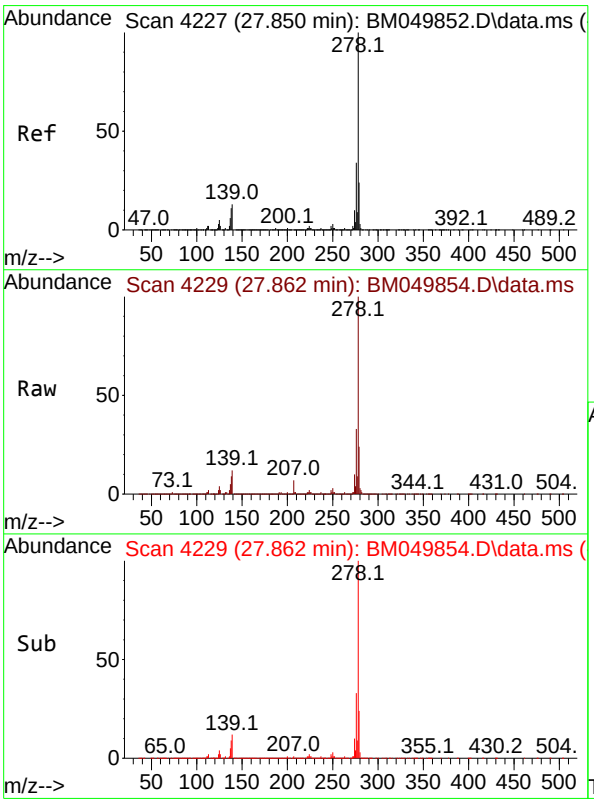
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	7.9	7.0	10.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

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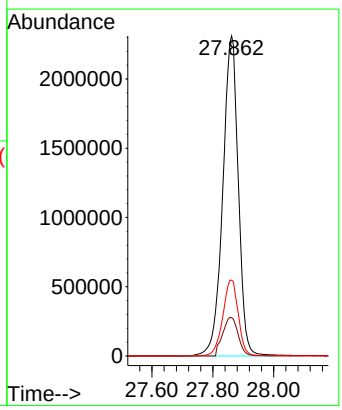
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

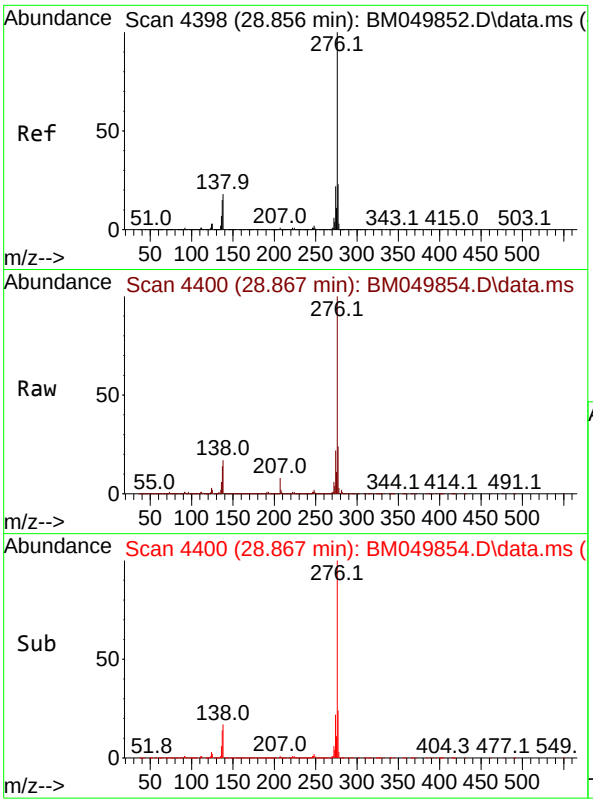


#91
Dibenzo(a,h)anthracene
Concen: 63.546 ng
RT: 27.862 min Scan# 4229
Delta R.T. 0.012 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:278 Resp: 8206056

Ion	Ratio	Lower	Upper
278	100		
139	11.9	10.6	15.8
279	23.7	19.1	28.7

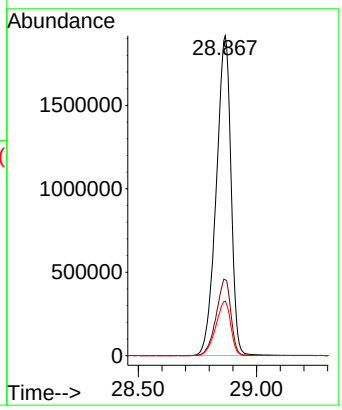




#92
Benzo(g,h,i)perylene
Concen: 62.639 ng
RT: 28.867 min Scan# 44
Delta R.T. 0.012 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:276 Resp: 826585

Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.7	28.1
138	17.1	14.6	21.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

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

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049855.D
Acq On : 08 Apr 2025 20:07
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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

Quant Time: Apr 09 03:03:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.781	152	337265	20.000	ng	0.00
21) Naphthalene-d8	10.575	136	1122639	20.000	ng	0.00
39) Acenaphthene-d10	14.422	164	724372	20.000	ng	0.00
64) Phenanthrene-d10	17.163	188	1472595	20.000	ng	0.00
76) Chrysene-d12	21.403	240	1558603	20.000	ng	0.00
86) Perylene-d12	24.403	264	1599218	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	3176757	159.945	ng	0.00
7) Phenol-d6	6.957	99	4006393	162.127	ng	0.00
23) Nitrobenzene-d5	8.940	82	3331067	165.228	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	1903078	180.622	ng	0.00
45) 2-Fluorobiphenyl	13.045	172	8715915	163.160	ng	0.00
79) Terphenyl-d14	19.786	244	12523857	150.586	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.263	88	651448	79.642	ng	99
3) Pyridine	3.663	79	1721709m	80.145	ng	
4) n-Nitrosodimethylamine	3.569	42	657792	80.428	ng	98
6) Aniline	7.104	93	1557071	73.535	ng	99
8) 2-Chlorophenol	7.346	128	1617379	79.461	ng	99
9) Benzaldehyde	6.916	77	756625	59.716	ng	98
10) Phenol	6.981	94	1957010	81.154	ng	99
11) bis(2-Chloroethyl)ether	7.204	93	1502774	79.467	ng	99
12) 1,3-Dichlorobenzene	7.669	146	1900533	78.977	ng	98
13) 1,4-Dichlorobenzene	7.816	146	1924197	79.467	ng	99
14) 1,2-Dichlorobenzene	8.134	146	1799229	78.890	ng	100
15) Benzyl Alcohol	8.022	79	1282444	82.414	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.316	45	1638145	77.719	ng	99
17) 2-Methylphenol	8.228	107	1183257	79.623	ng	99
18) Hexachloroethane	8.857	117	658294	78.143	ng	97
19) n-Nitroso-di-n-propyla...	8.592	70	1100668	80.420	ng	99
20) 3+4-Methylphenols	8.557	107	1639646	80.930	ng	98
22) Acetophenone	8.604	105	2212514	81.093	ng	98
24) Nitrobenzene	8.981	77	1588049	81.805	ng	99
25) Isophorone	9.510	82	2783323	82.413	ng	99
26) 2-Nitrophenol	9.687	139	885850	86.097	ng	100
27) 2,4-Dimethylphenol	9.757	122	990665	84.960	ng	99
28) bis(2-Chloroethoxy)met...	9.986	93	1849648	81.806	ng	99
29) 2,4-Dichlorophenol	10.228	162	1635110	84.360	ng	99
30) 1,2,4-Trichlorobenzene	10.439	180	1854479	82.705	ng	99
31) Naphthalene	10.622	128	4692325	81.343	ng	99
32) Benzoic acid	9.934	122	1270650	80.764	ng	98
33) 4-Chloroaniline	10.734	127	1644863	80.751	ng	99
34) Hexachlorobutadiene	10.916	225	1160306	83.656	ng	99
35) Caprolactam	11.533	113	468650	84.302	ng	97
36) 4-Chloro-3-methylphenol	11.869	107	1439396	84.779	ng	99
37) 2-Methylnaphthalene	12.239	142	3388769	83.379	ng	100
38) 1-Methylnaphthalene	12.457	142	3285148	82.967	ng	99
40) 1,2,4,5-Tetrachloroben...	12.610	216	2135182	84.255	ng	99
41) Hexachlorocyclopentadiene	12.592	237	725972	81.754	ng	100
43) 2,4,6-Trichlorophenol	12.851	196	1356737	84.134	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049855.D
Acq On : 08 Apr 2025 20:07
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Quant Time: Apr 09 03:03:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.927	196	1477695	84.323	ng		99
46) 1,1'-Biphenyl	13.257	154	4390713	81.540	ng		99
47) 2-Chloronaphthalene	13.298	162	3444094	81.376	ng		98
48) 2-Nitroaniline	13.498	65	853486	87.168	ng		98
49) Acenaphthylene	14.145	152	5122399	83.088	ng		99
50) Dimethylphthalate	13.880	163	4216670	82.512	ng		99
51) 2,6-Dinitrotoluene	13.998	165	927781	86.653	ng		96
52) Acenaphthene	14.486	154	3264918	83.258	ng		100
53) 3-Nitroaniline	14.327	138	930646	89.933	ng		96
54) 2,4-Dinitrophenol	14.533	184	625443	80.604	ng		97
55) Dibenzofuran	14.821	168	5445586	83.068	ng		98
56) 4-Nitrophenol	14.639	139	835691	90.623	ng		99
57) 2,4-Dinitrotoluene	14.786	165	1283341	89.846	ng		96
58) Fluorene	15.469	166	4360823	83.687	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.051	232	1308821	85.213	ng		97
60) Diethylphthalate	15.251	149	4046865	82.577	ng		98
61) 4-Chlorophenyl-phenyle...	15.469	204	2422112	86.698	ng		96
62) 4-Nitroaniline	15.492	138	958937	89.608	ng		98
63) Azobenzene	15.757	77	3477801	82.888	ng		98
65) 4,6-Dinitro-2-methylph...	15.551	198	824411	88.841	ng		99
66) n-Nitrosodiphenylamine	15.680	169	3615164	82.034	ng		100
67) 4-Bromophenyl-phenylether	16.357	248	1482215	86.704	ng		96
68) Hexachlorobenzene	16.474	284	1670677	85.201	ng		100
70) Pentachlorophenol	16.821	266	1238924	85.821	ng		99
71) Phenanthrene	17.210	178	6757399	83.700	ng		99
72) Anthracene	17.298	178	6714186	84.390	ng		100
73) Carbazole	17.568	167	6306654	84.159	ng		99
74) Di-n-butylphthalate	18.133	149	7042435	81.592	ng		100
75) Fluoranthene	19.221	202	8767531	88.324	ng		99
77) Benzidine	19.404	184	2227000	107.704	ng		100
78) Pyrene	19.586	202	8996687	83.755	ng		98
80) Butylbenzylphthalate	20.486	149	3262795	80.838	ng		97
81) Benzo(a)anthracene	21.386	228	8779936	84.761	ng		99
82) 3,3'-Dichlorobenzidine	21.309	252	3524132	90.091	ng		99
83) Chrysene	21.450	228	8388518	85.181	ng		98
84) Bis(2-ethylhexyl)phtha...	21.309	149	4596937	78.171	ng	#	96
85) Di-n-octyl phthalate	22.445	149	8204703	79.753	ng		99
87) Indeno(1,2,3-cd)pyrene	27.809	276	10271777	86.167	ng		98
88) Benzo(b)fluoranthene	23.462	252	9083493	88.935	ng		99
89) Benzo(k)fluoranthene	23.527	252	8710029	88.000	ng		99
90) Benzo(a)pyrene	24.268	252	7870455	87.693	ng		99
91) Dibenzo(a,h)anthracene	27.862	278	8515147	86.721	ng		99
92) Benzo(g,h,i)perylene	28.868	276	8495950	84.674	ng		98

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

ICAL Form

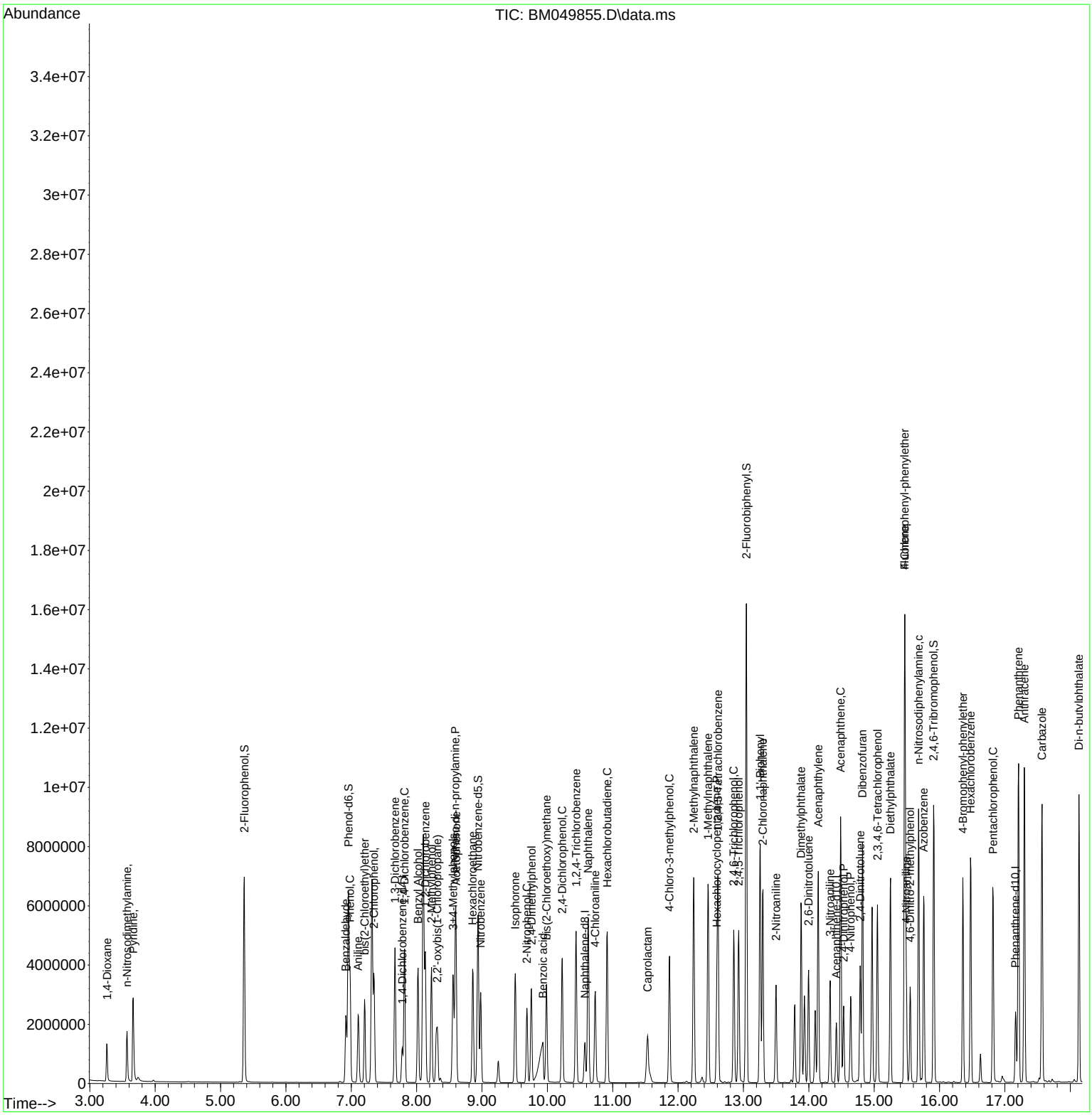
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Data File : BM049855.D
Acq On : 08 Apr 2025 20:07
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 09 03:03:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

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



ICAL Form

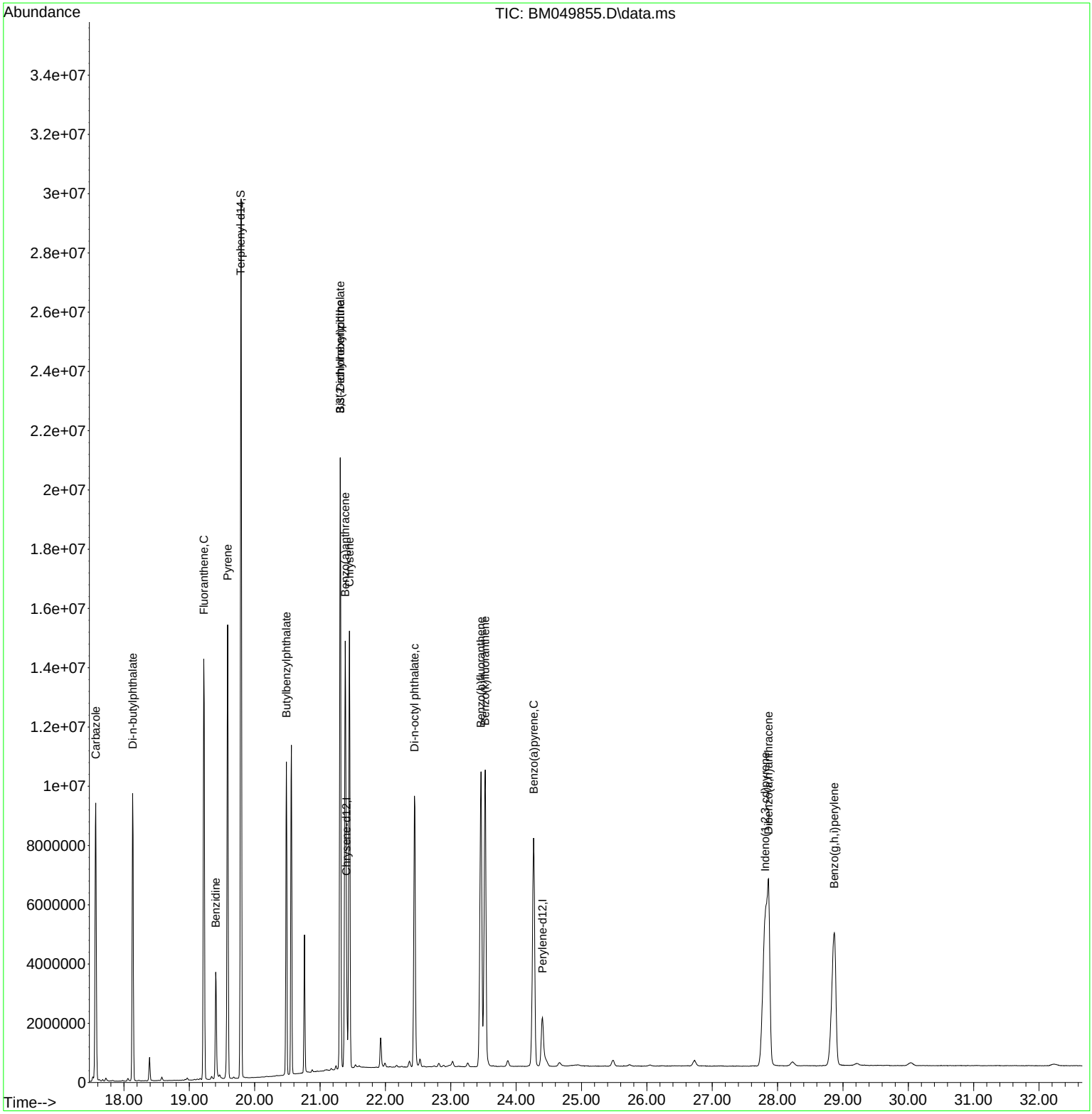
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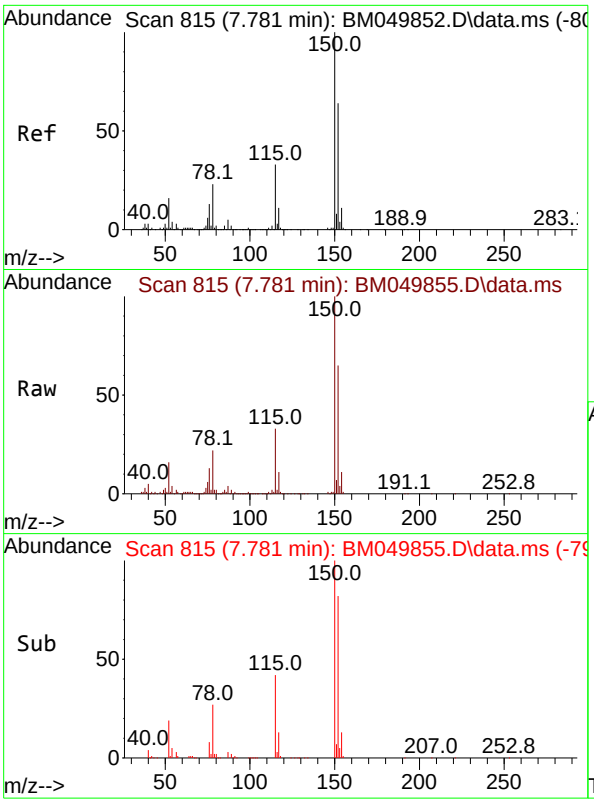
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BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

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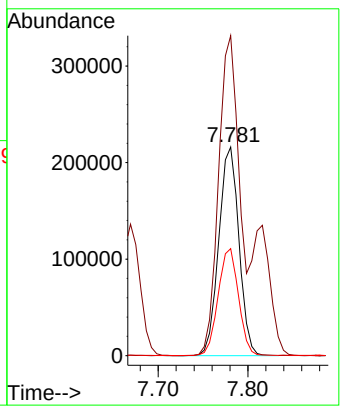




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.781 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:152 Resp: 33726

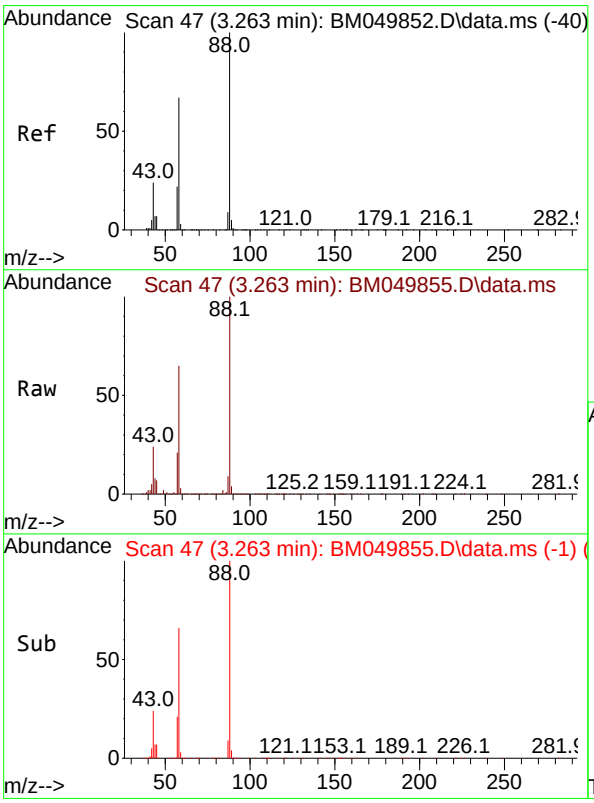
Ion	Ratio	Lower	Upper
152	100		
150	153.3	124.3	186.5
115	51.3	41.1	61.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

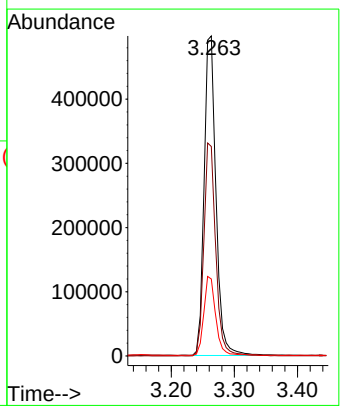
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

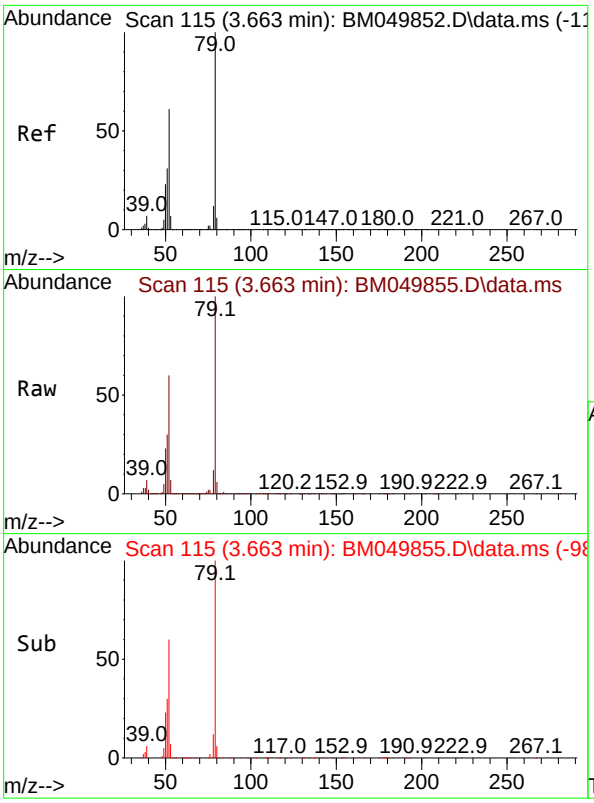


#2
1,4-Dioxane
Concen: 79.642 ng
RT: 3.263 min Scan# 47
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 88 Resp: 651448

Ion	Ratio	Lower	Upper
88	100		
58	66.7	54.1	81.1
43	24.6	20.2	30.4

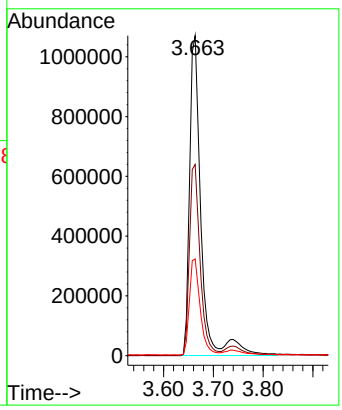




#3
Pyridine
Concen: 80.145 ng m
RT: 3.663 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 79 Resp: 172170

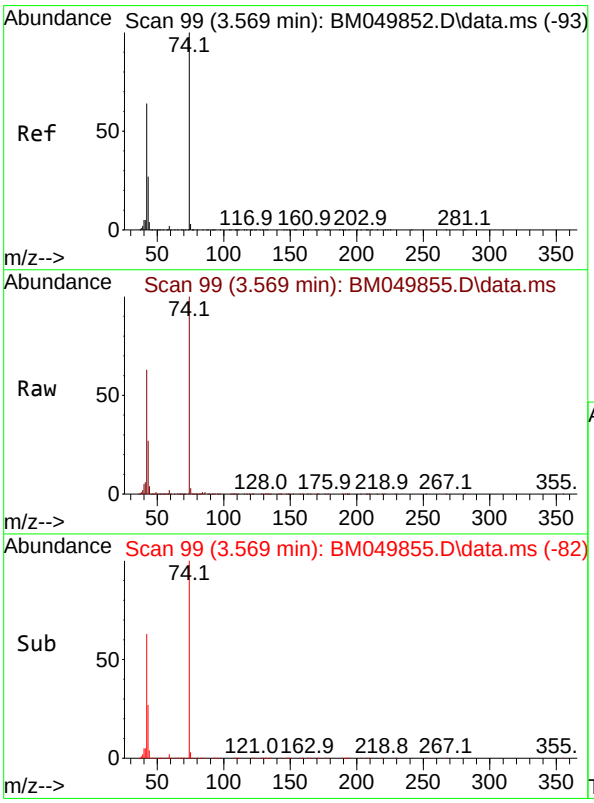
Ion	Ratio	Lower	Upper
79	100		
52	59.7	48.9	73.3
51	30.3	25.0	37.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

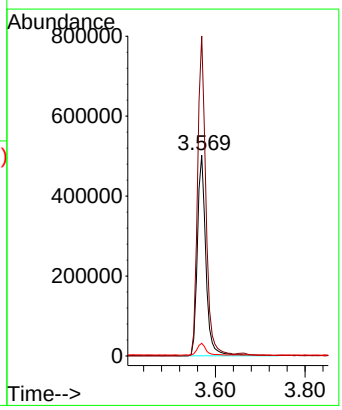
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

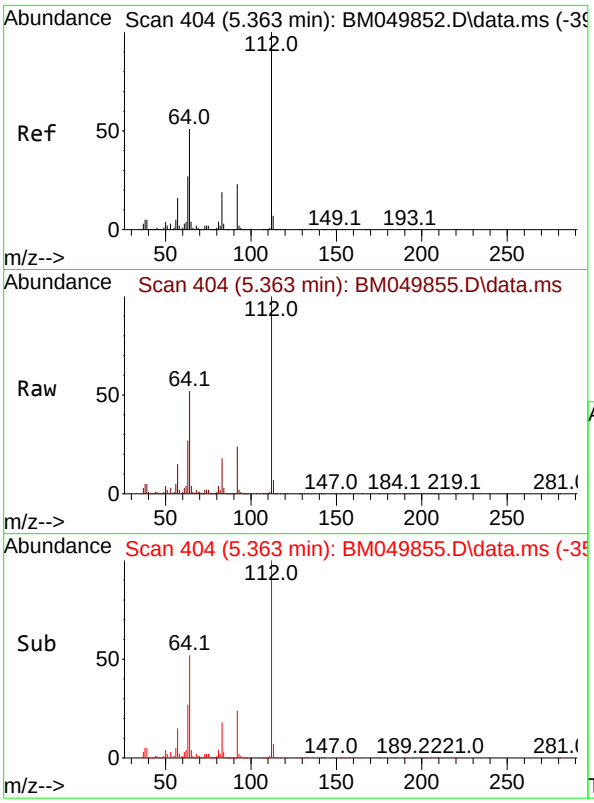


#4
n-Nitrosodimethylamine
Concen: 80.428 ng
RT: 3.569 min Scan# 99
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 42 Resp: 657792

Ion	Ratio	Lower	Upper
42	100		
74	159.4	125.4	188.2
44	6.3	5.9	8.9

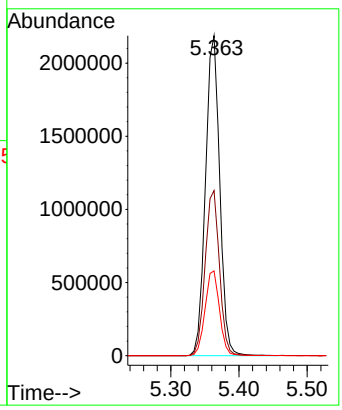




#5
2-Fluorophenol
Concen: 159.945 ng
RT: 5.363 min Scan# 4(
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:112 Resp: 317675

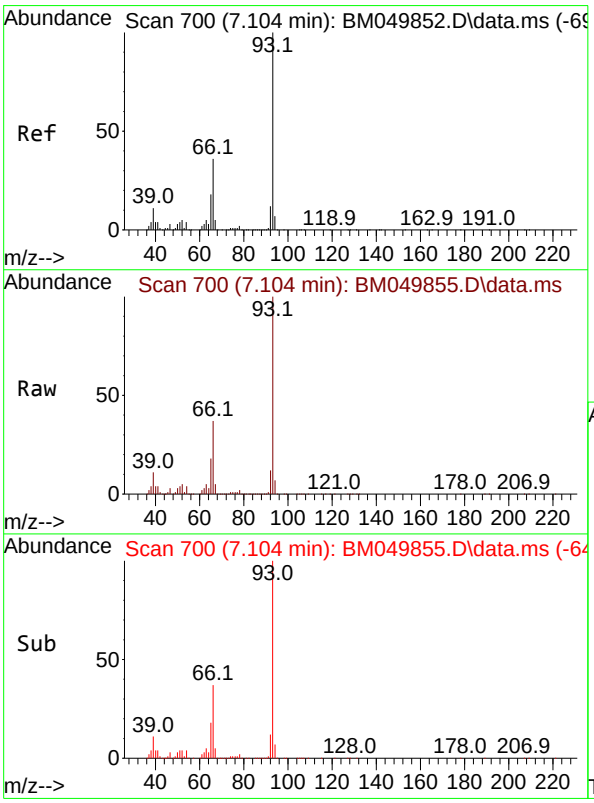
Ion	Ratio	Lower	Upper
112	100		
64	51.6	41.0	61.6
63	26.5	21.5	32.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

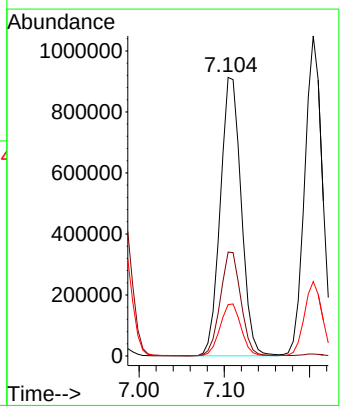
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

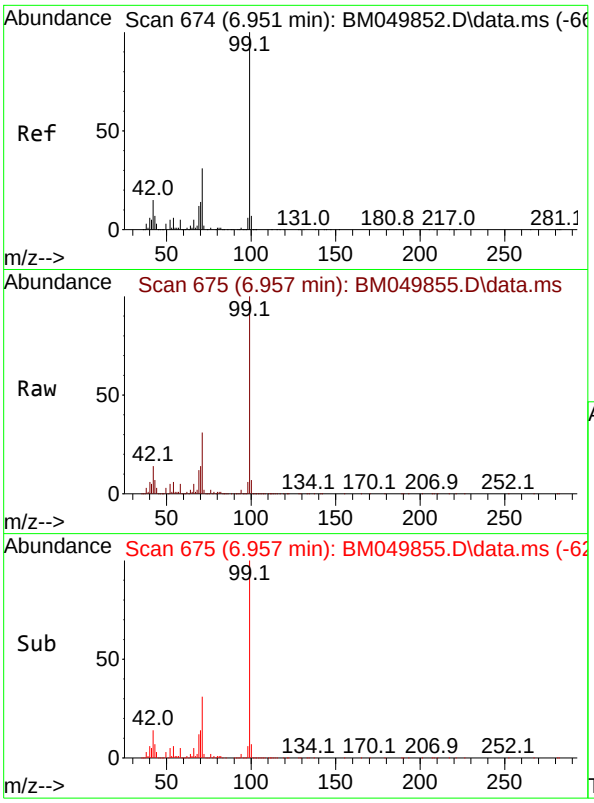


#6
Aniline
Concen: 73.535 ng
RT: 7.104 min Scan# 700
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 93 Resp: 1557071

Ion	Ratio	Lower	Upper
93	100		
66	37.3	29.1	43.7
65	18.4	14.9	22.3

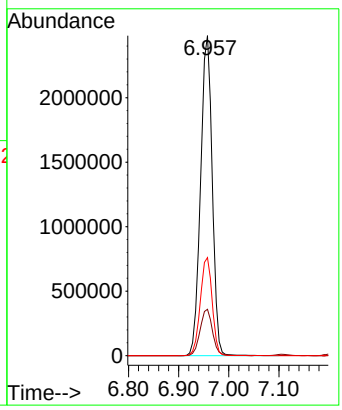




#7
Phenol-d6
Concen: 162.127 ng
RT: 6.957 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 99 Resp: 400639

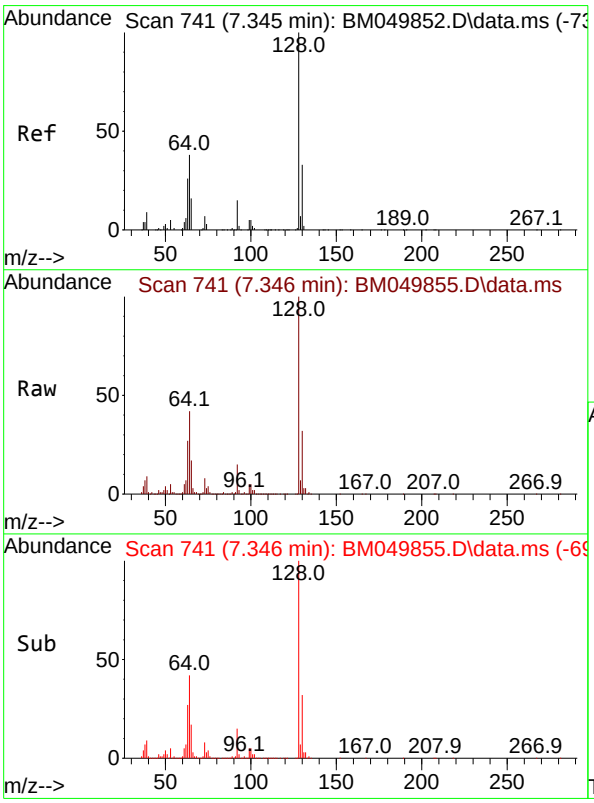
Ion	Ratio	Lower	Upper
99	100		
42	14.5	12.1	18.1
71	30.6	24.9	37.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

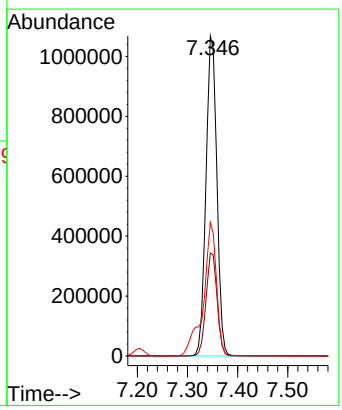
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

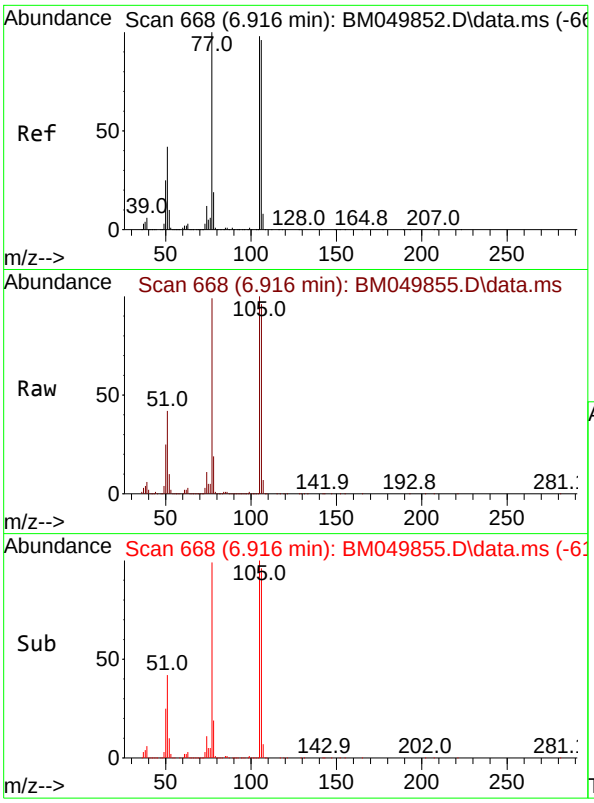


#8
2-Chlorophenol
Concen: 79.461 ng
RT: 7.346 min Scan# 741
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:128 Resp: 1617379

Ion	Ratio	Lower	Upper
128	100		
130	32.1	12.6	52.6
64	41.7	21.1	61.1

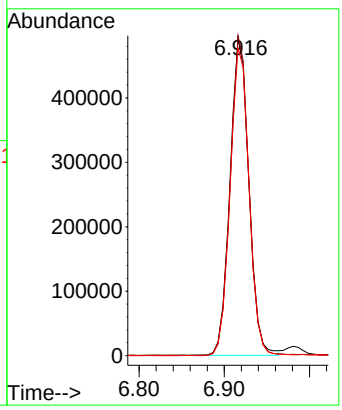




#9
Benzaldehyde
Concen: 59.716 ng
RT: 6.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 77 Resp: 75662

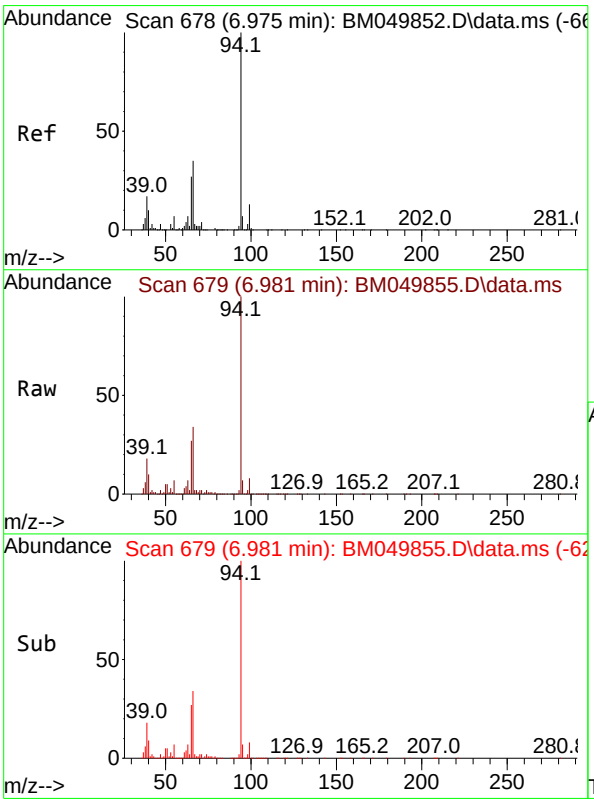
Ion	Ratio	Lower	Upper
77	100		
105	100.9	78.3	118.3
106	97.1	76.0	116.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

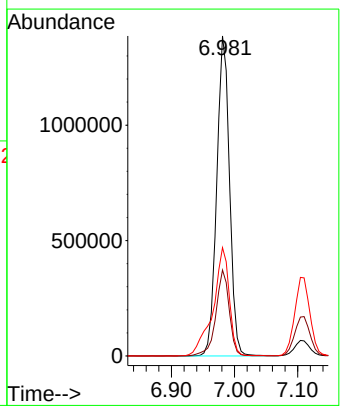
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

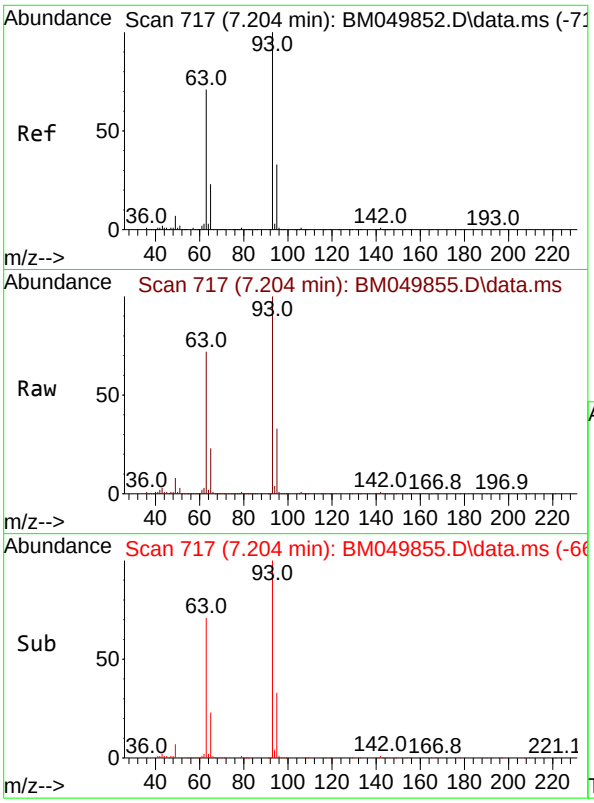


#10
Phenol
Concen: 81.154 ng
RT: 6.981 min Scan# 679
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 94 Resp: 1957010

Ion	Ratio	Lower	Upper
94	100		
65	26.9	7.3	47.3
66	33.8	14.8	54.8

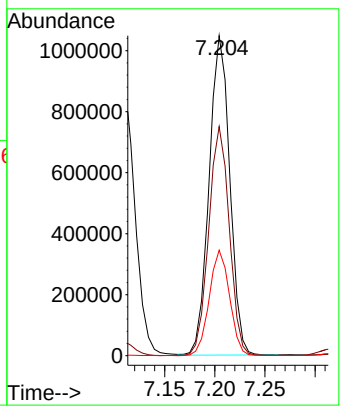




#11
bis(2-Chloroethyl)ether
Concen: 79.467 ng
RT: 7.204 min Scan# 71
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 93 Resp: 150277

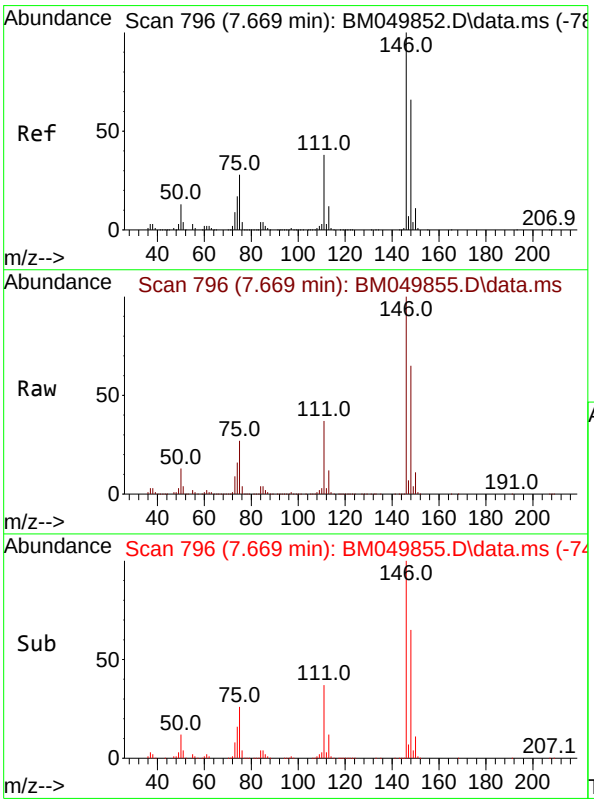
Ion	Ratio	Lower	Upper
93	100		
63	71.6	50.9	90.9
95	33.0	12.6	52.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

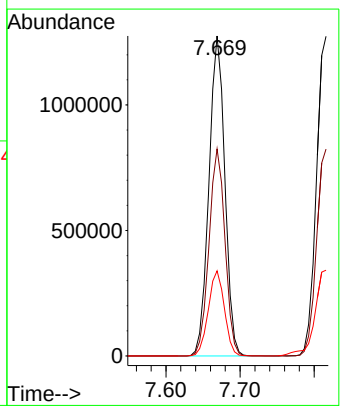
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

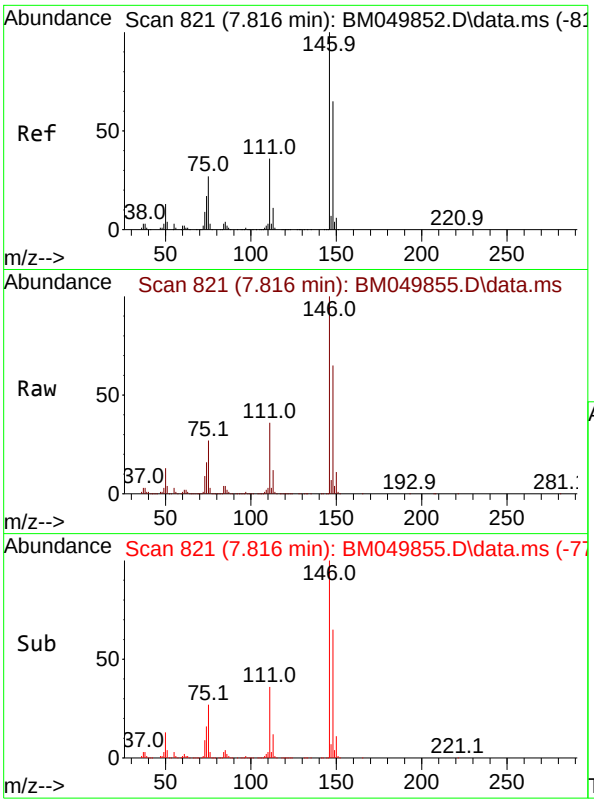


#12
1,3-Dichlorobenzene
Concen: 78.977 ng
RT: 7.669 min Scan# 796
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:146 Resp: 1900533

Ion	Ratio	Lower	Upper
146	100		
148	64.7	52.5	78.7
75	26.6	22.5	33.7

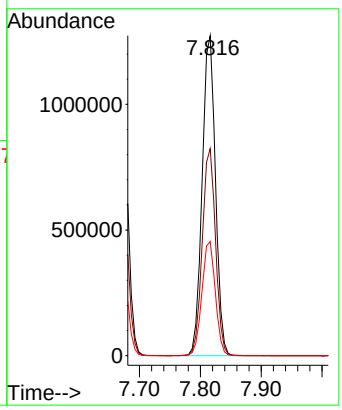




#13
1,4-Dichlorobenzene
Concen: 79.467 ng
RT: 7.816 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:146 Resp: 192419

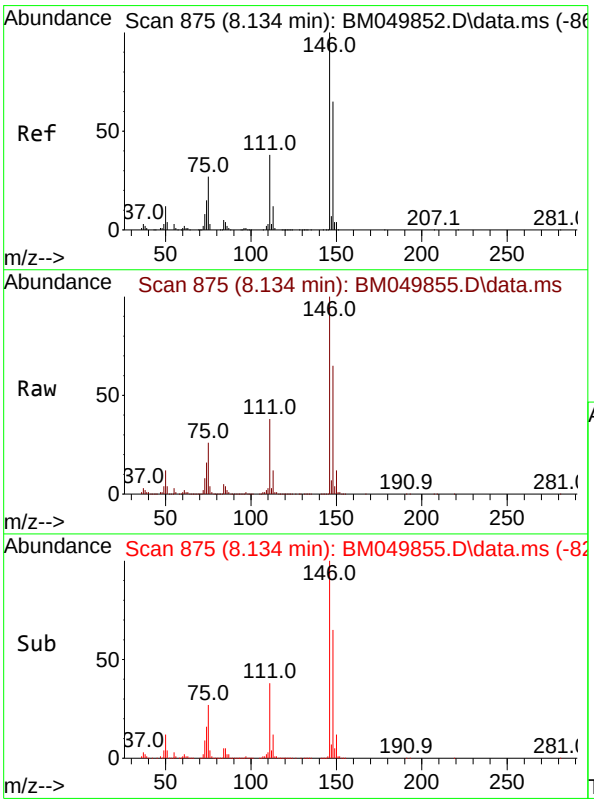
Ion	Ratio	Lower	Upper
146	100		
148	64.7	52.4	78.6
111	35.7	28.5	42.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

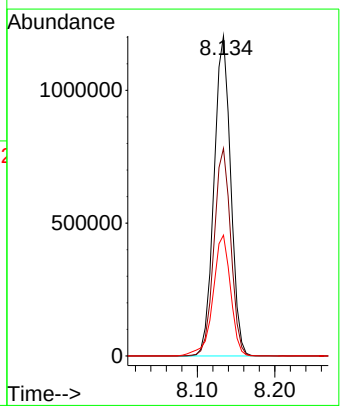
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

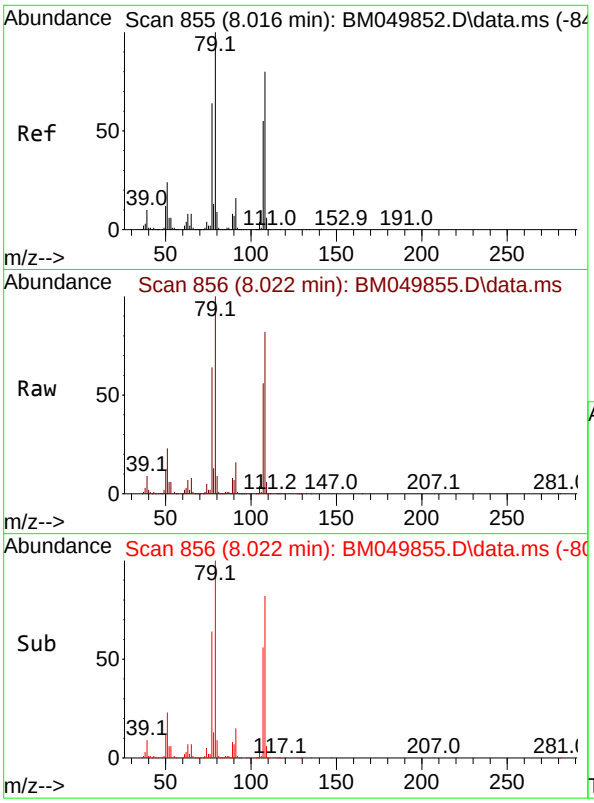


#14
1,2-Dichlorobenzene
Concen: 78.890 ng
RT: 8.134 min Scan# 875
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:146 Resp: 1799229

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.8	77.8
111	37.7	30.2	45.4





#15
Benzyl Alcohol
Concen: 82.414 ng
RT: 8.022 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

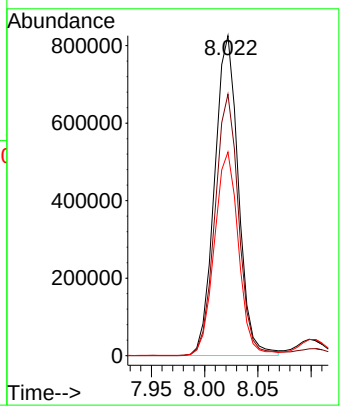
Tgt Ion: 79 Resp: 128244

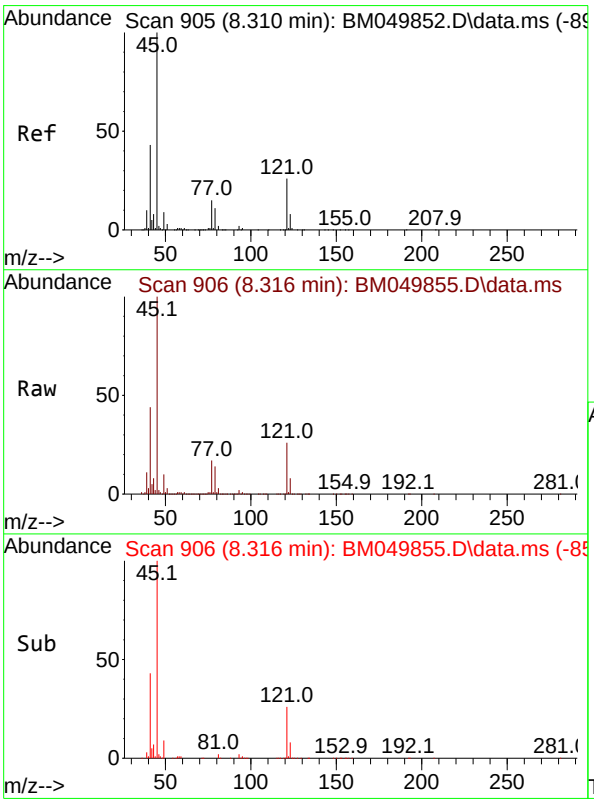
Ion	Ratio	Lower	Upper
79	100		
108	81.7	63.6	95.4
77	63.6	51.3	76.9

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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

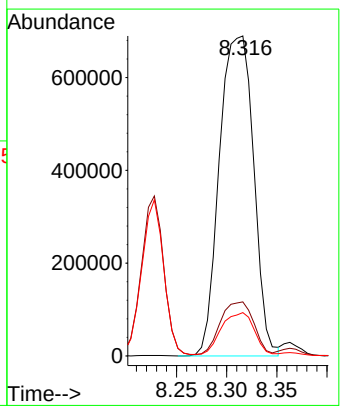


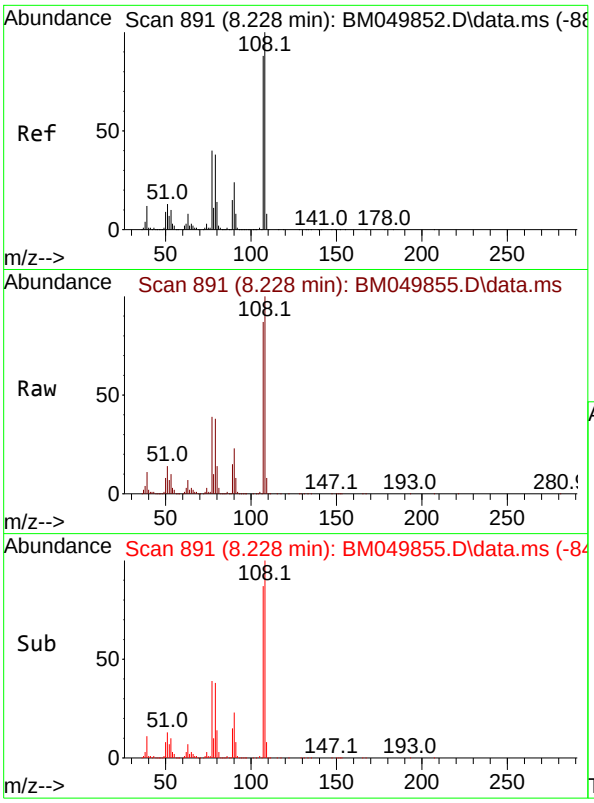


#16
2,2'-oxybis(1-Chloropropane)
Concen: 77.719 ng
RT: 8.316 min Scan# 906
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 45 Resp: 1638145

Ion	Ratio	Lower	Upper
45	100		
77	16.9	0.0	36.9
79	13.5	0.0	32.9

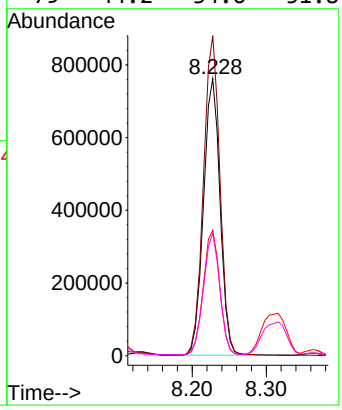




#17
2-Methylphenol
Concen: 79.623 ng
RT: 8.228 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:107 Resp: 118325

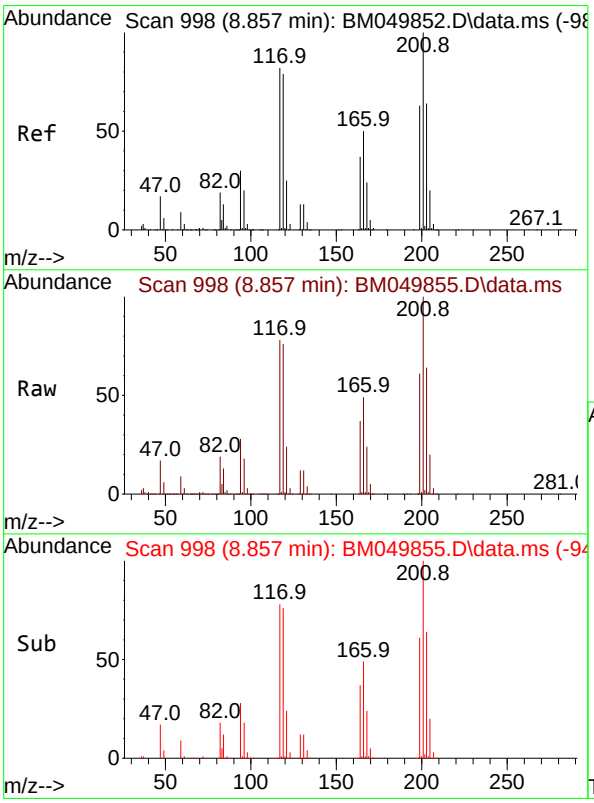
Ion	Ratio	Lower	Upper
107	100		
108	115.5	91.0	136.6
77	45.3	36.5	54.7
79	44.2	34.6	51.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

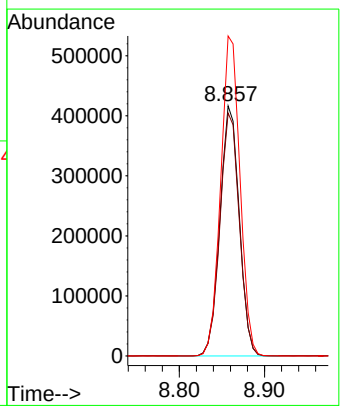
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

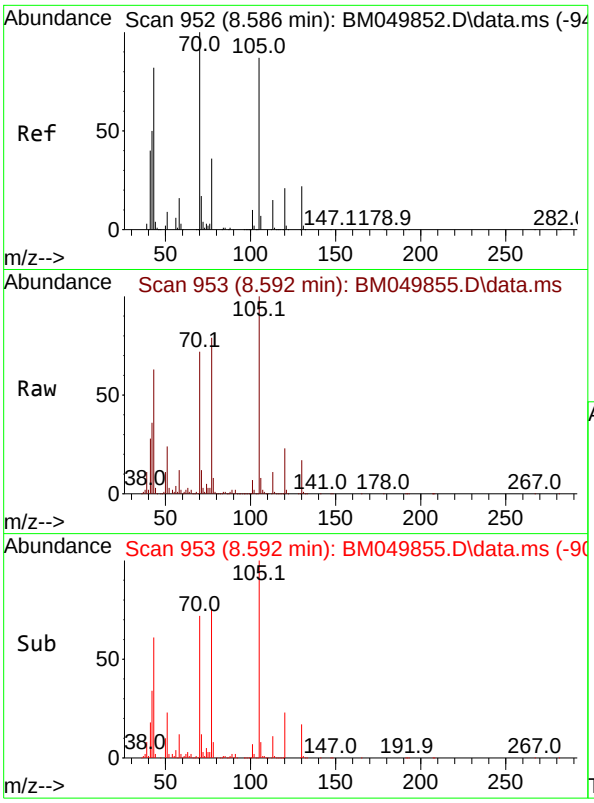


#18
Hexachloroethane
Concen: 78.143 ng
RT: 8.857 min Scan# 998
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:117 Resp: 658294

Ion	Ratio	Lower	Upper
117	100		
119	97.1	77.5	116.3
201	128.0	97.7	146.5

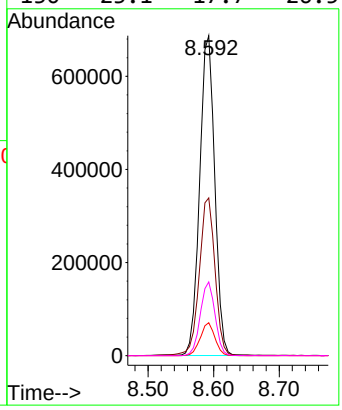




#19
n-Nitroso-di-n-propylamine
Concen: 80.420 ng
RT: 8.592 min Scan# 9
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 70 Resp: 110066

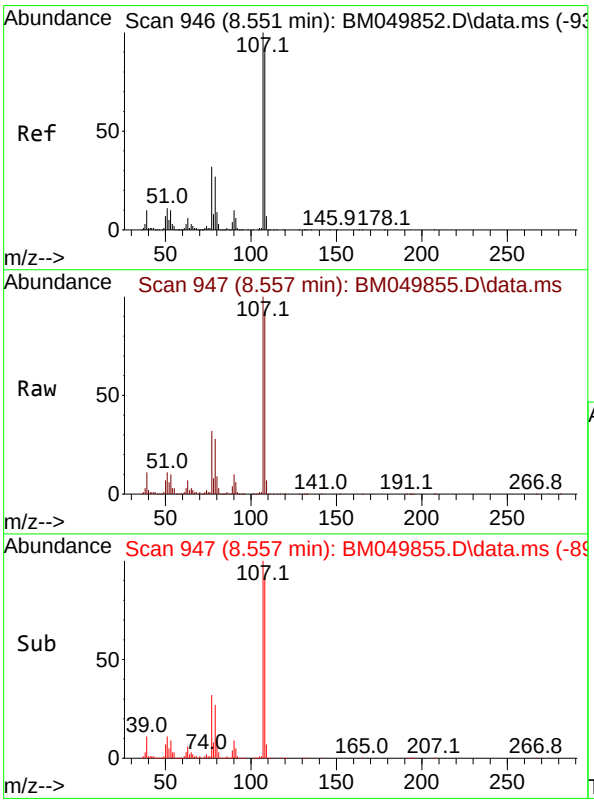
Ion	Ratio	Lower	Upper
70	100		
42	49.3	40.2	60.2
101	10.3	7.9	11.9
130	23.1	17.7	26.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

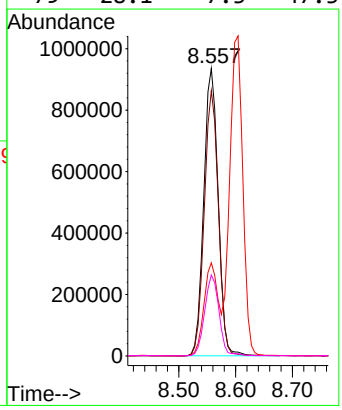
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

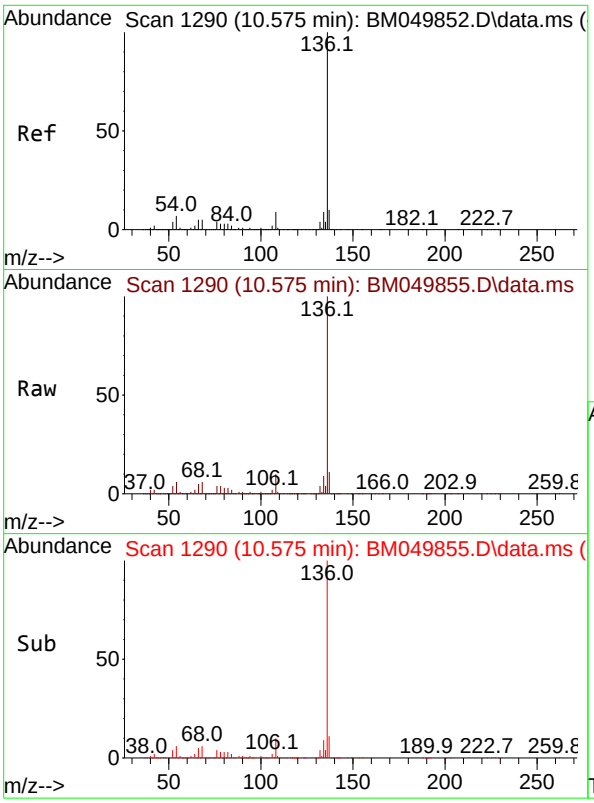


#20
3+4-Methylphenols
Concen: 80.930 ng
RT: 8.557 min Scan# 947
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:107 Resp: 1639646

Ion	Ratio	Lower	Upper
107	100		
108	92.2	69.6	109.6
77	32.4	11.7	51.7
79	28.1	7.3	47.3

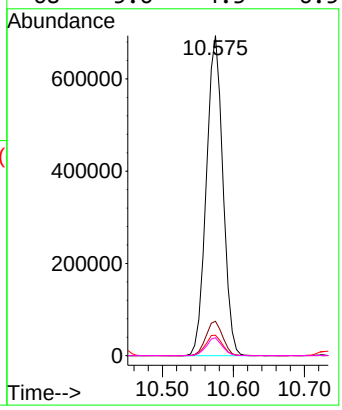




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.575 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:136 Resp: 112263

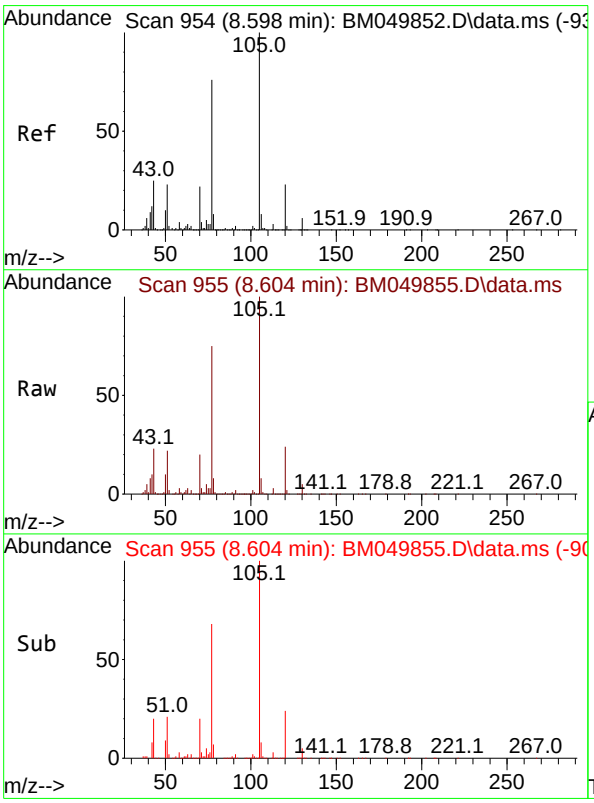
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.4	12.6
54	6.4	5.3	7.9
68	5.6	4.3	6.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

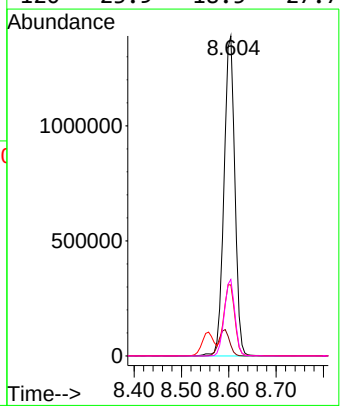
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

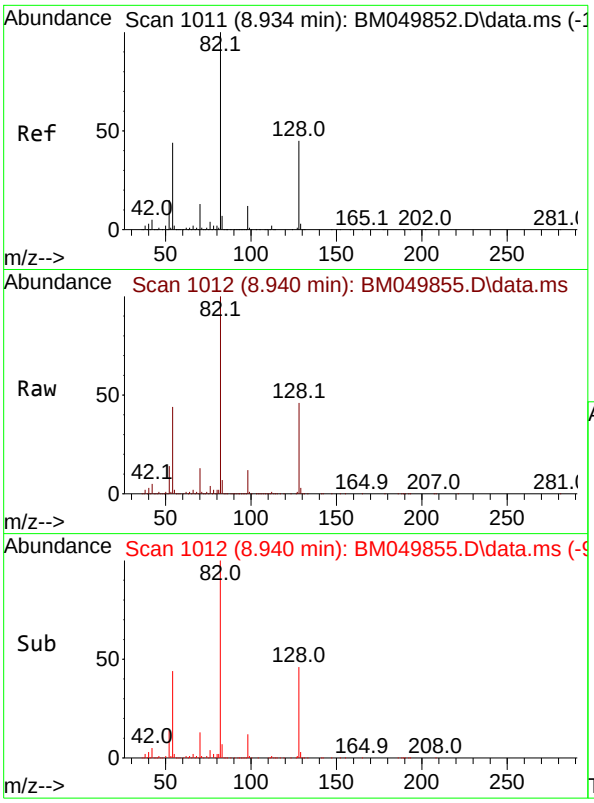


#22
Acetophenone
Concen: 81.093 ng
RT: 8.604 min Scan# 955
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:105 Resp: 2212514

Ion	Ratio	Lower	Upper
105	100		
71	3.4	3.0	4.4
51	22.2	18.6	27.8
120	23.9	18.5	27.7

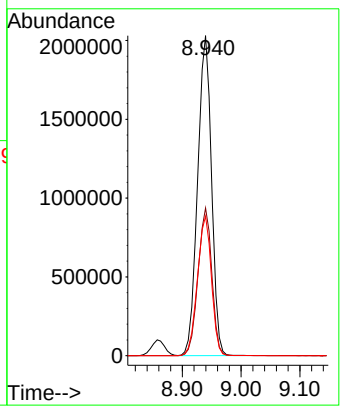




#23
Nitrobenzene-d5
Concen: 165.228 ng
RT: 8.940 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 82 Resp: 333106

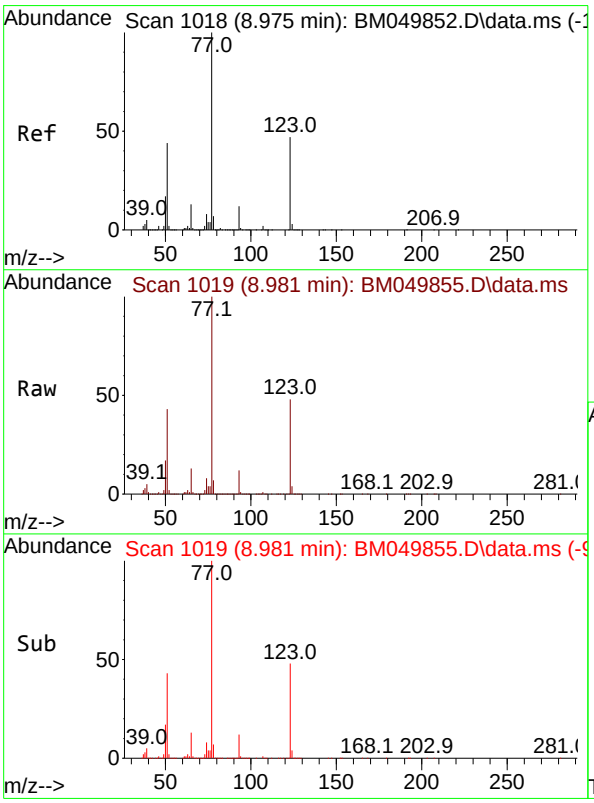
Ion	Ratio	Lower	Upper
82	100		
128	46.1	36.2	54.2
54	43.6	35.0	52.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

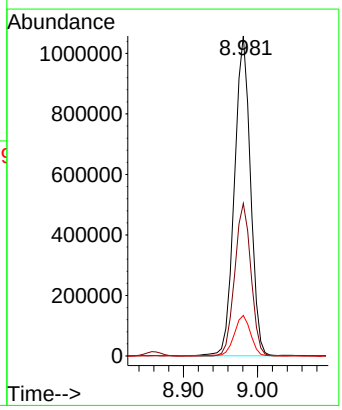
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

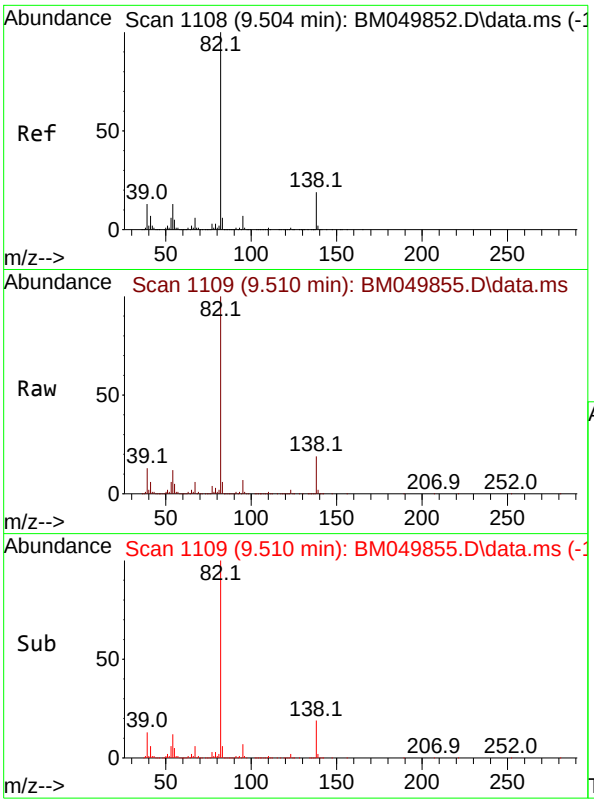


#24
Nitrobenzene
Concen: 81.805 ng
RT: 8.981 min Scan# 1019
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 77 Resp: 1588049

Ion	Ratio	Lower	Upper
77	100		
123	47.7	37.4	56.2
65	12.7	10.1	15.1





#25
Isophorone
Concen: 82.413 ng
RT: 9.510 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

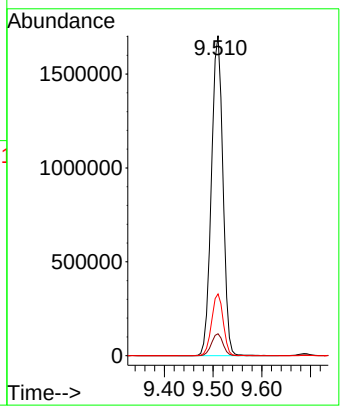
Tgt Ion: 82 Resp: 278332

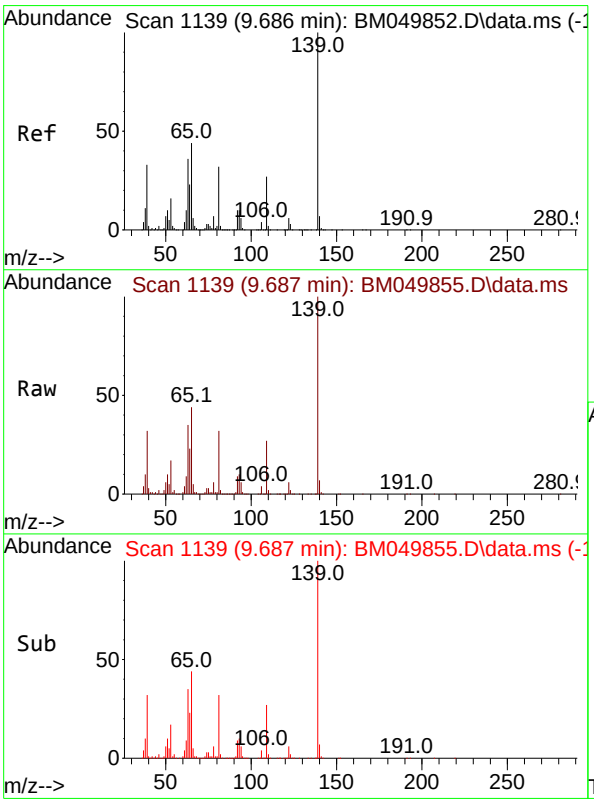
Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.4	8.2
138	19.3	15.0	22.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

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

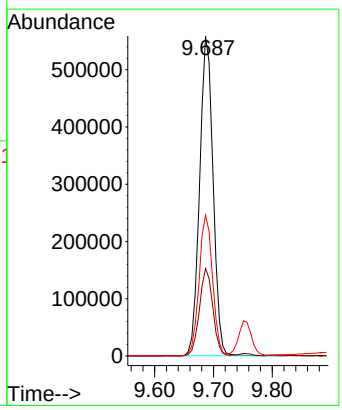


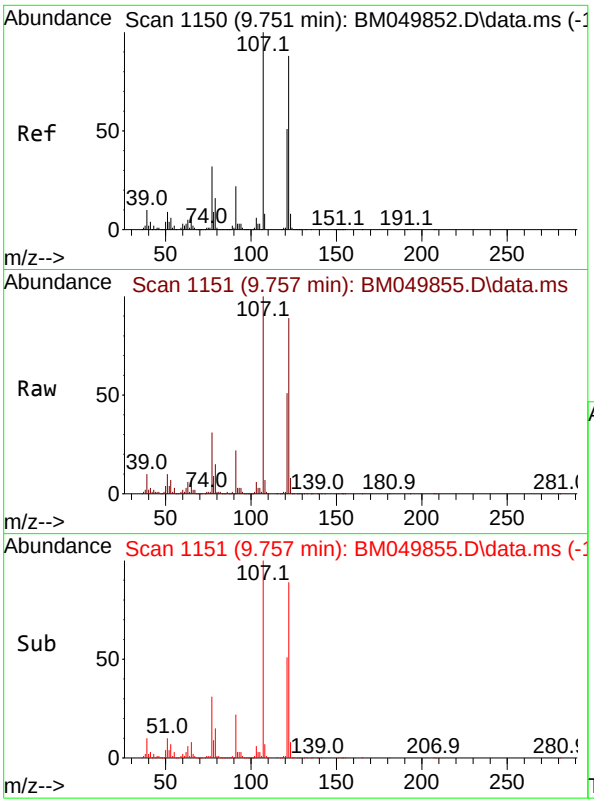


#26
2-Nitrophenol
Concen: 86.097 ng
RT: 9.687 min Scan# 1139
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:139 Resp: 885850

Ion	Ratio	Lower	Upper
139	100		
109	27.3	21.7	32.5
65	44.0	35.2	52.8

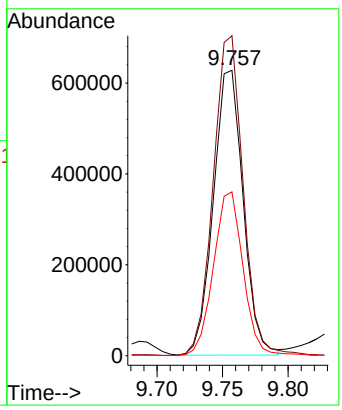




#27
2,4-Dimethylphenol
Concen: 84.960 ng
RT: 9.757 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:122 Resp: 99066

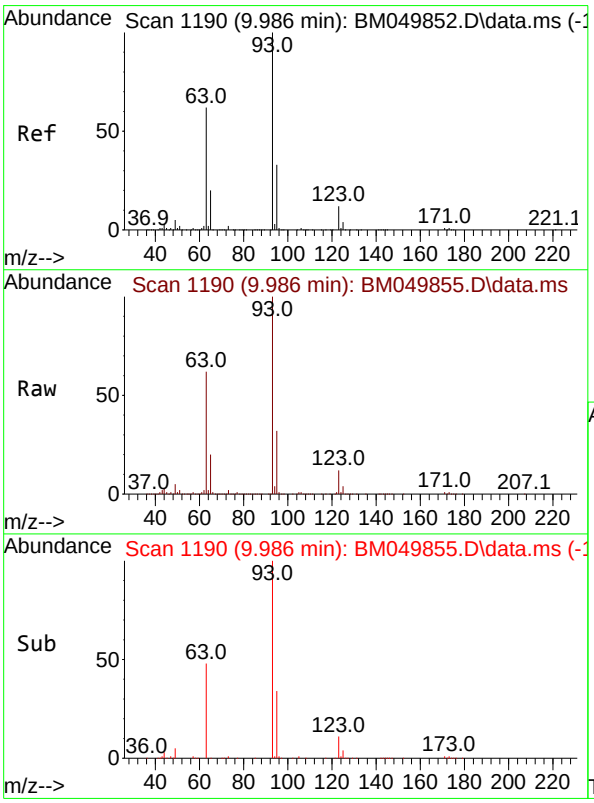
Ion	Ratio	Lower	Upper
122	100		
107	112.1	90.3	135.5
121	57.4	46.1	69.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

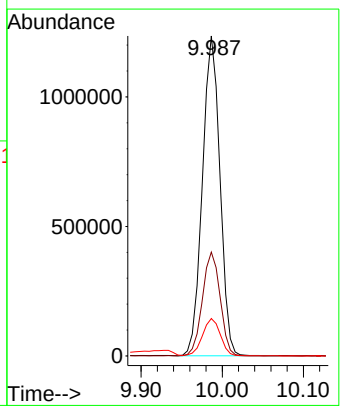
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

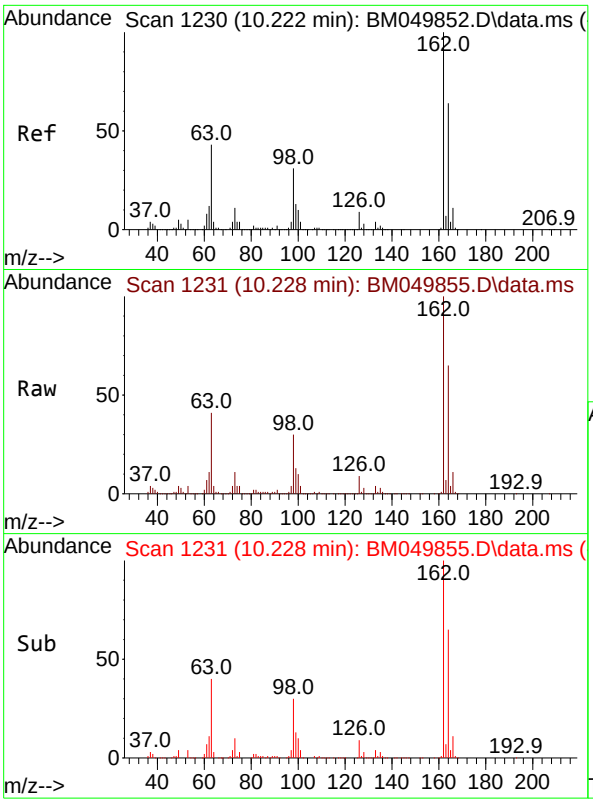


#28
bis(2-Chloroethoxy)methane
Concen: 81.806 ng
RT: 9.986 min Scan# 1190
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 93 Resp: 1849648

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.6	40.0
123	11.7	9.5	14.3





#29
2,4-Dichlorophenol
Concen: 84.360 ng
RT: 10.228 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

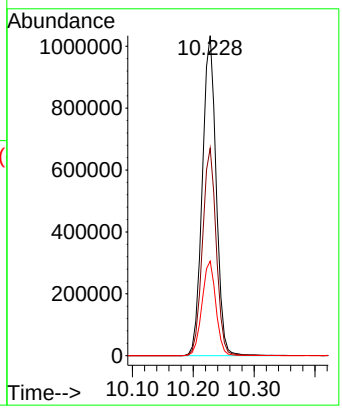
Tgt Ion:162 Resp: 163511

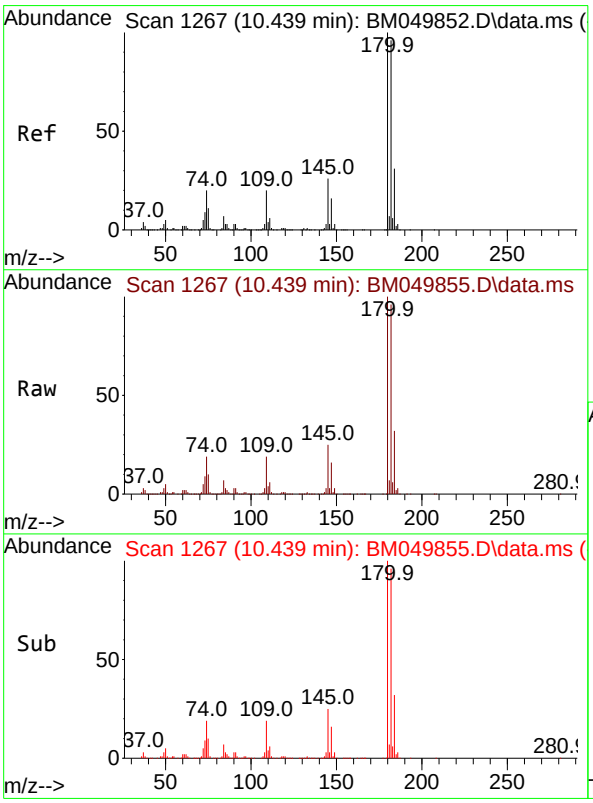
Ion	Ratio	Lower	Upper
162	100		
164	64.8	44.3	84.3
98	29.6	10.9	50.9

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

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

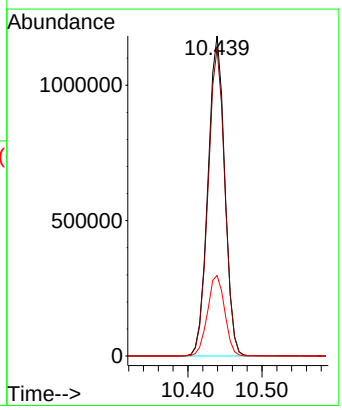


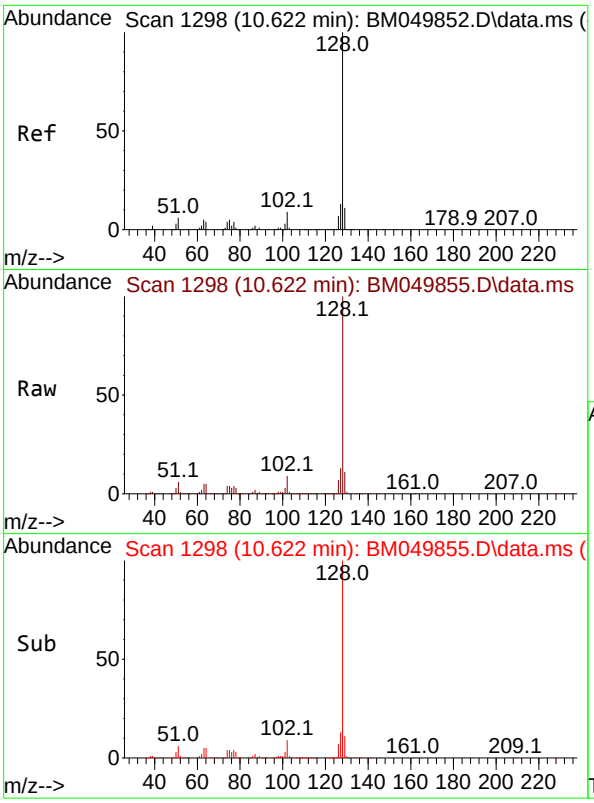


#30
1,2,4-Trichlorobenzene
Concen: 82.705 ng
RT: 10.439 min Scan# 1267
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:180 Resp: 1854479

Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.7	115.1
145	25.2	20.8	31.2

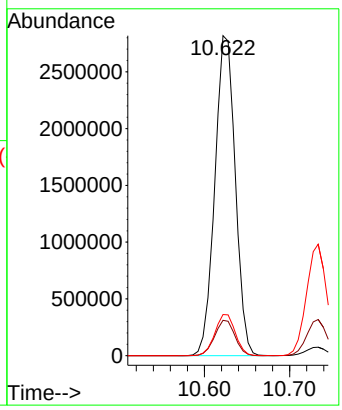




#31
Naphthalene
Concen: 81.343 ng
RT: 10.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:128 Resp: 469232

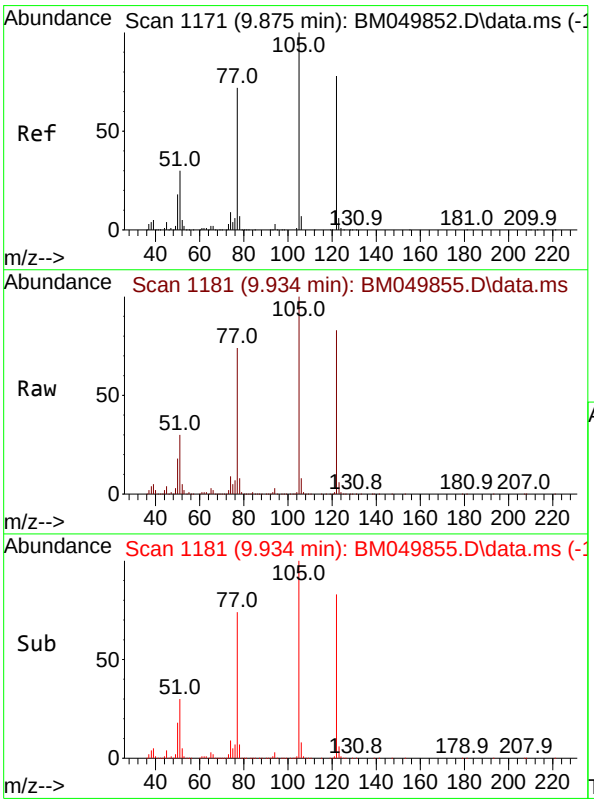
Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	12.9	10.6	15.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

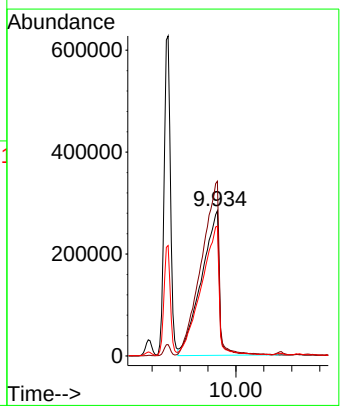
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

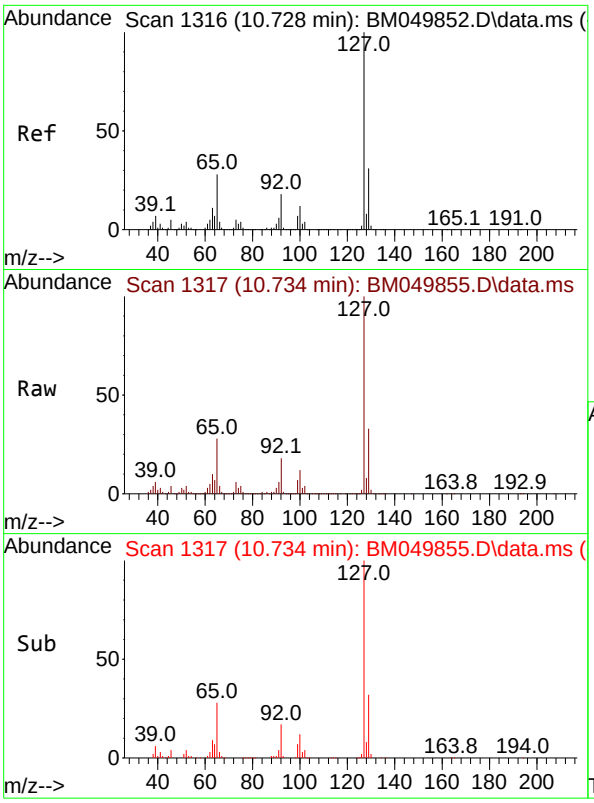


#32
Benzoic acid
Concen: 80.764 ng
RT: 9.934 min Scan# 1181
Delta R.T. 0.059 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:122 Resp: 1270650

Ion	Ratio	Lower	Upper
122	100		
105	120.3	103.8	143.8
77	89.4	70.7	110.7

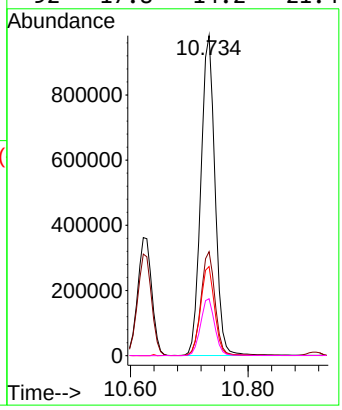




#33
4-Chloroaniline
Concen: 80.751 ng
RT: 10.734 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:127 Resp: 164486

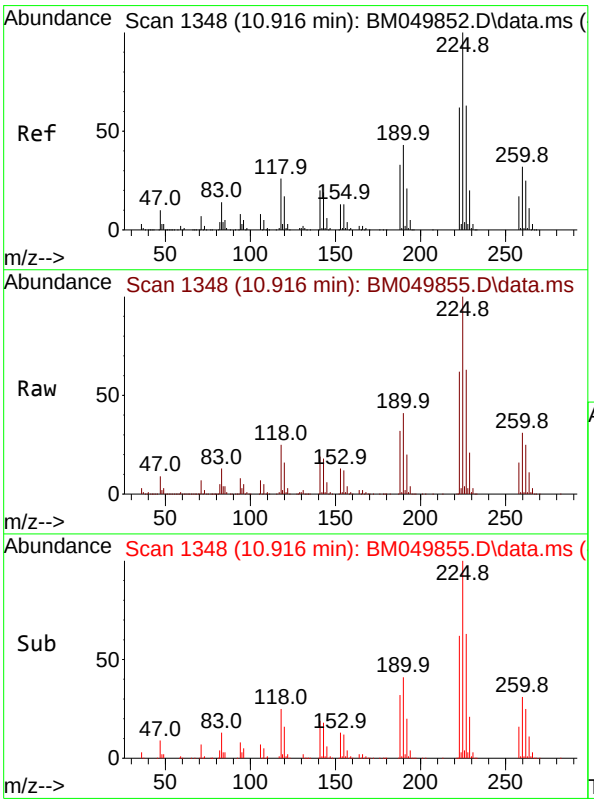
Ion	Ratio	Lower	Upper
127	100		
129	32.5	24.9	37.3
65	27.8	22.4	33.6
92	17.8	14.2	21.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

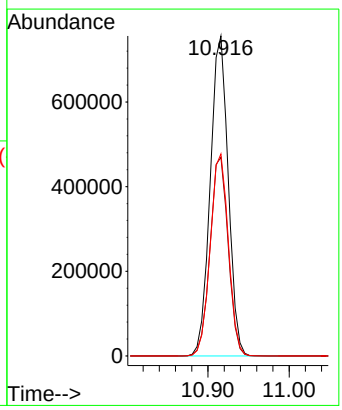
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

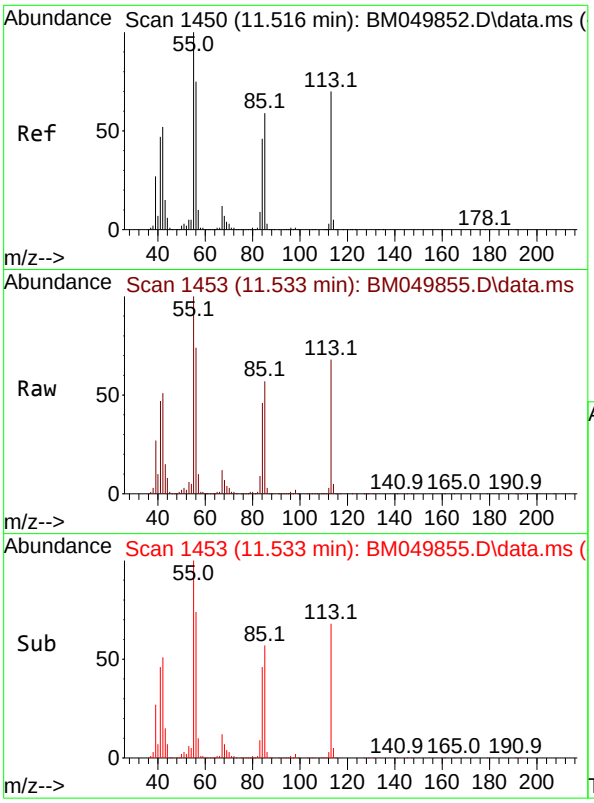


#34
Hexachlorobutadiene
Concen: 83.656 ng
RT: 10.916 min Scan# 1348
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:225 Resp: 1160306

Ion	Ratio	Lower	Upper
225	100		
223	62.0	49.4	74.2
227	63.1	50.1	75.1

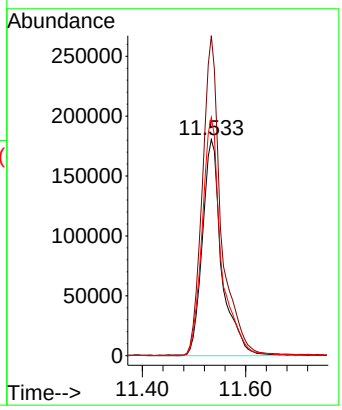




#35
Caprolactam
Concen: 84.302 ng
RT: 11.533 min Scan# 14
Delta R.T. 0.018 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:113 Resp: 46865

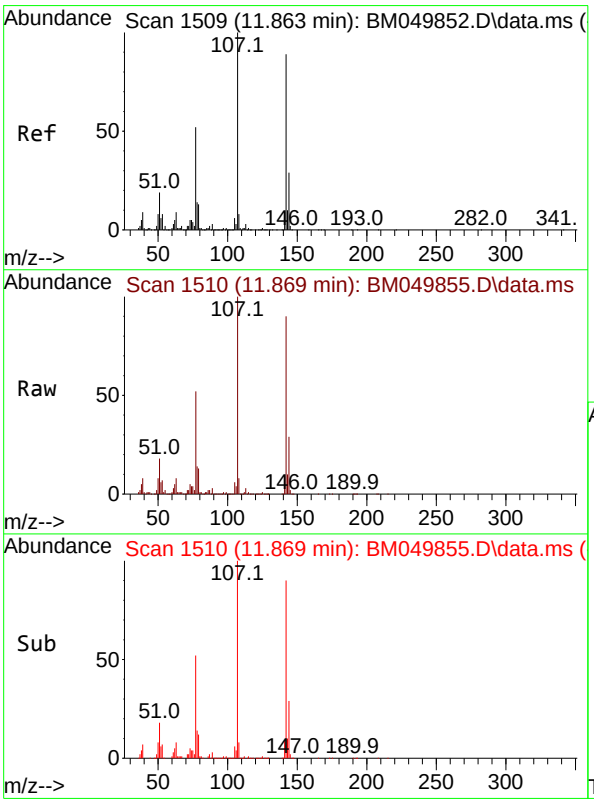
Ion	Ratio	Lower	Upper
113	100		
55	148.0	124.3	164.3
56	110.2	87.5	127.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

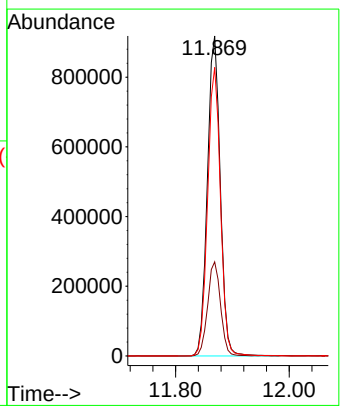
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

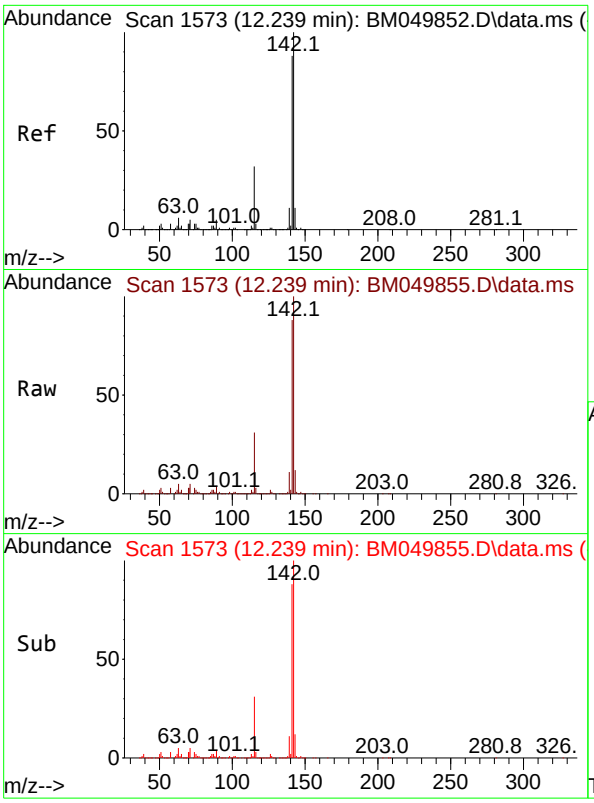


#36
4-Chloro-3-methylphenol
Concen: 84.779 ng
RT: 11.869 min Scan# 1510
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:107 Resp: 1439396

Ion	Ratio	Lower	Upper
107	100		
144	29.4	23.6	35.4
142	90.2	71.4	107.0

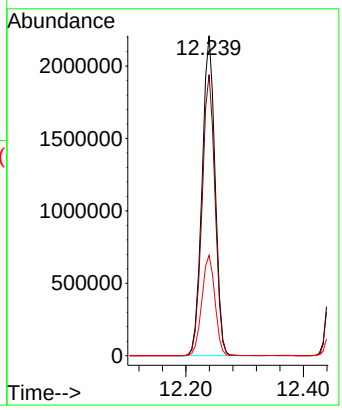




#37
2-Methylnaphthalene
Concen: 83.379 ng
RT: 12.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:142 Resp: 338876

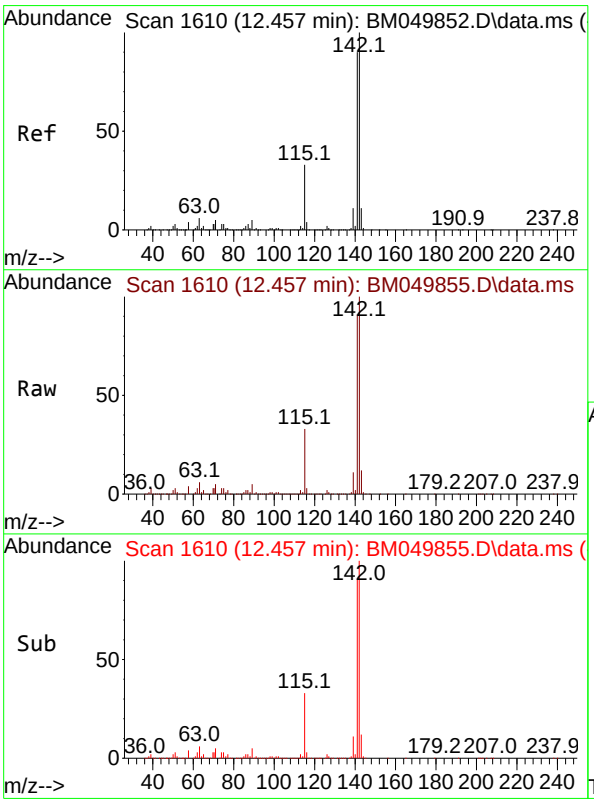
Ion	Ratio	Lower	Upper
142	100		
141	87.9	70.2	105.2
115	31.4	25.4	38.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

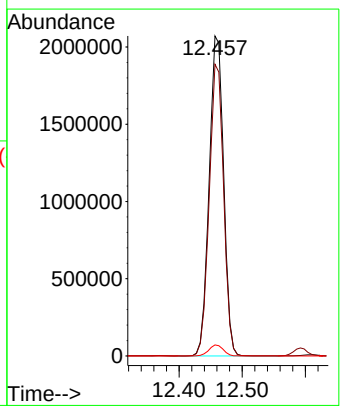
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

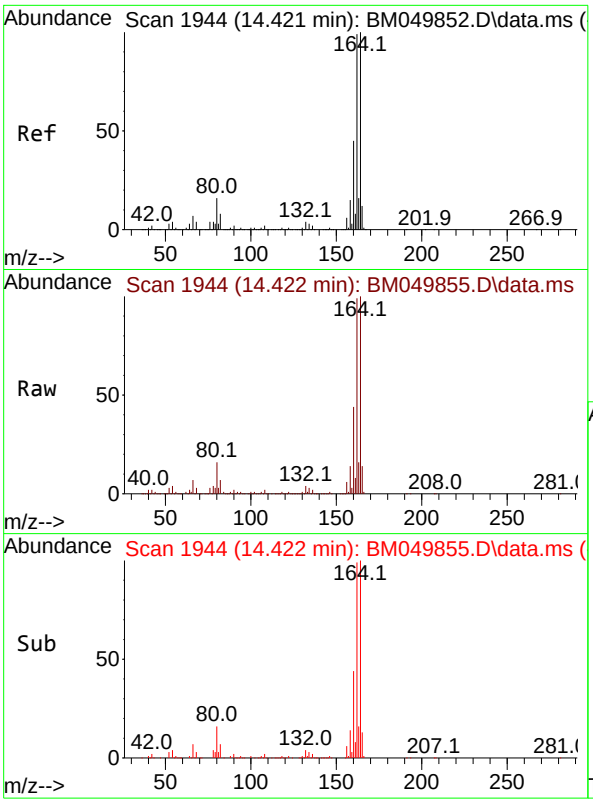


#38
1-Methylnaphthalene
Concen: 82.967 ng
RT: 12.457 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:142 Resp: 3285148

Ion	Ratio	Lower	Upper
142	100		
141	91.2	72.2	108.2
116	3.4	2.9	4.3

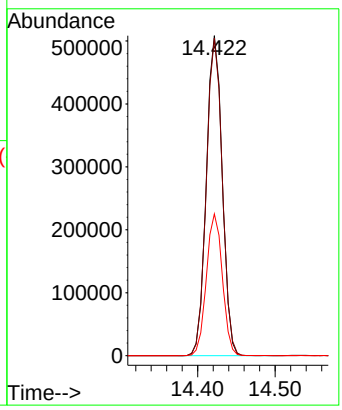




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.422 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:164 Resp: 72437

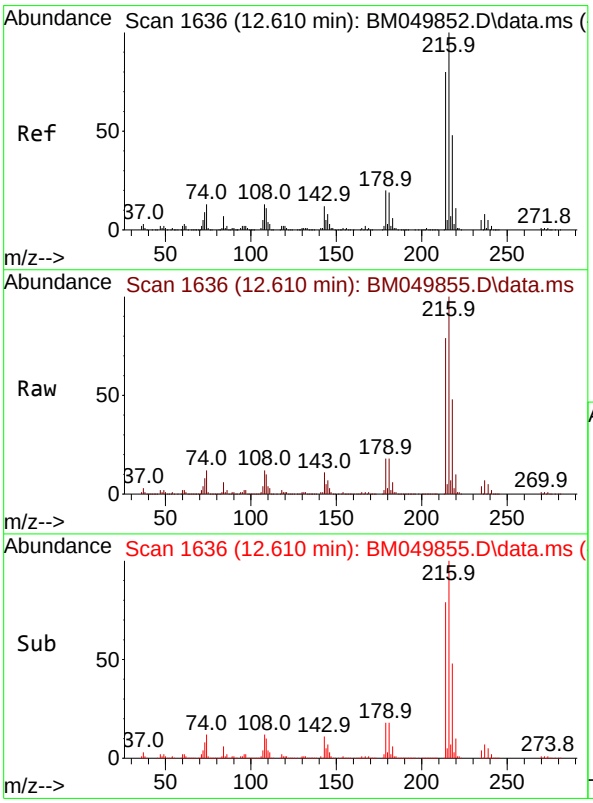
Ion	Ratio	Lower	Upper
164	100		
162	99.2	79.4	119.0
160	44.3	36.2	54.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

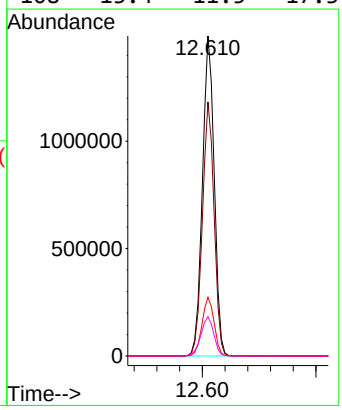
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

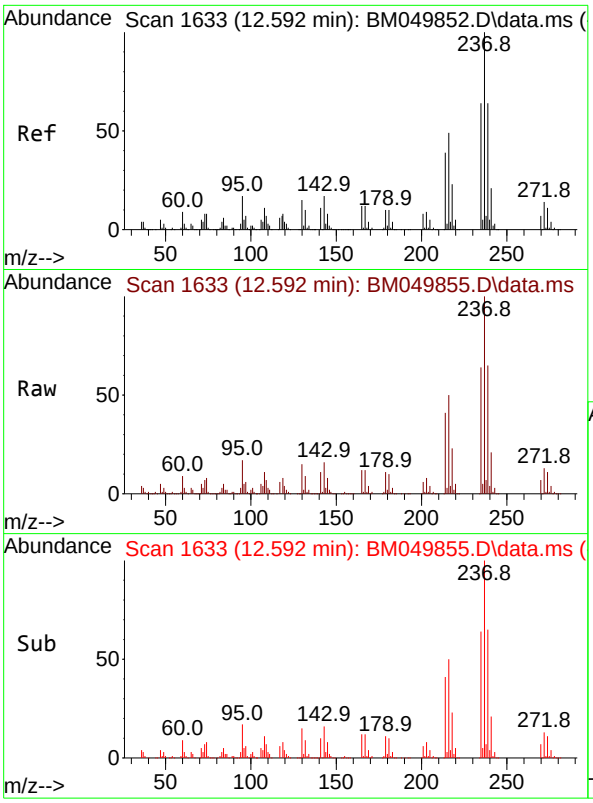


#40
1,2,4,5-Tetrachlorobenzene
Concen: 84.255 ng
RT: 12.610 min Scan# 1636
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:216 Resp: 2135182

Ion	Ratio	Lower	Upper
216	100		
214	78.8	63.2	94.8
179	18.8	15.8	23.6
108	13.4	11.5	17.3





#41
Hexachlorocyclopentadiene
Concen: 81.754 ng
RT: 12.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

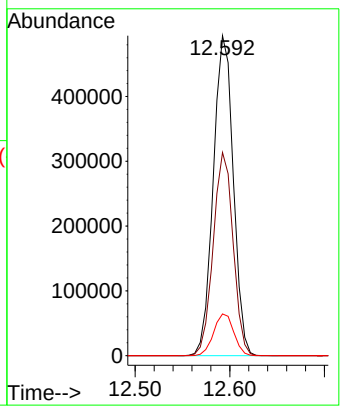
Tgt Ion:237 Resp: 72597

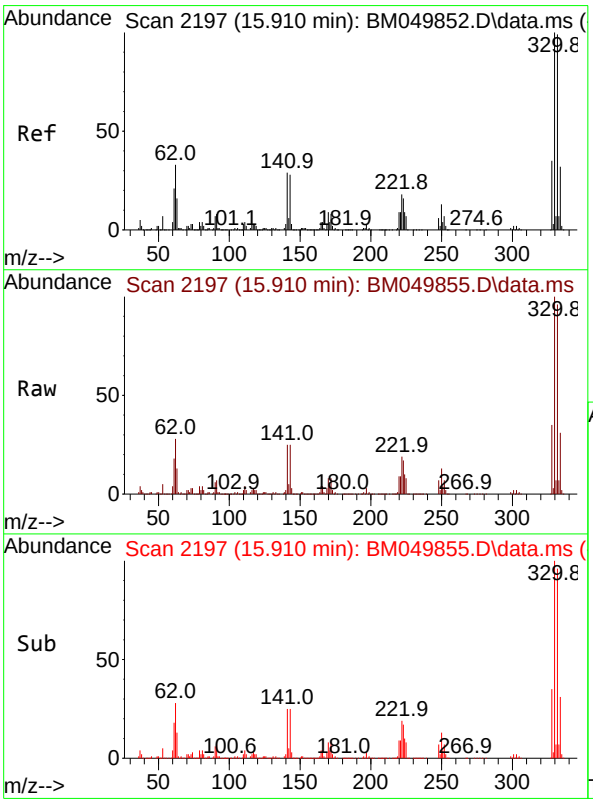
Ion	Ratio	Lower	Upper
237	100		
235	63.5	43.7	83.7
272	13.1	0.0	33.5

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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

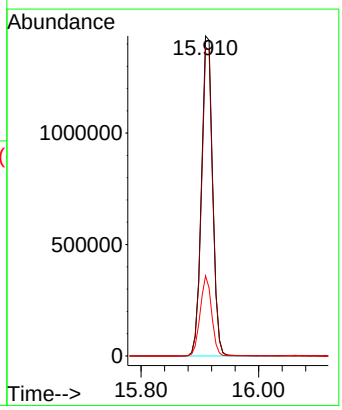


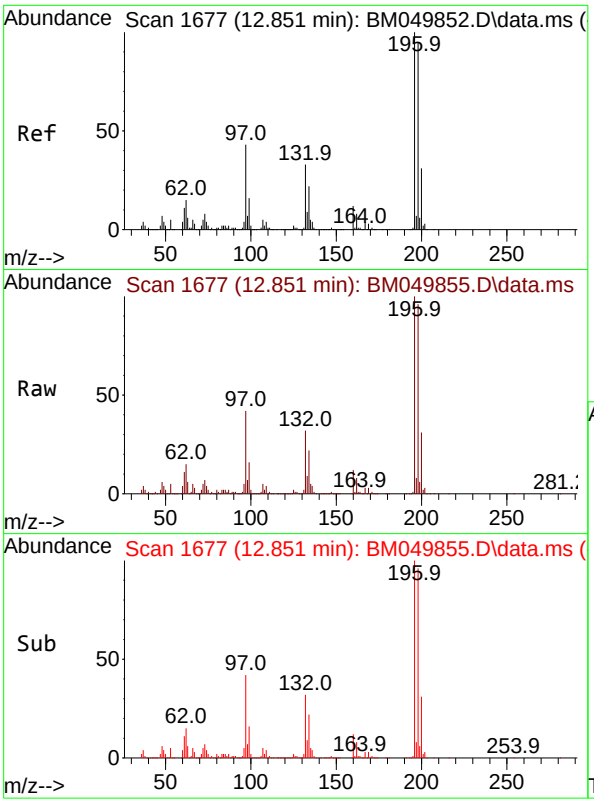


#42
2,4,6-Tribromophenol
Concen: 180.622 ng
RT: 15.910 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:330 Resp: 1903078

Ion	Ratio	Lower	Upper
330	100		
332	96.4	78.0	117.0
141	25.5	23.5	35.3

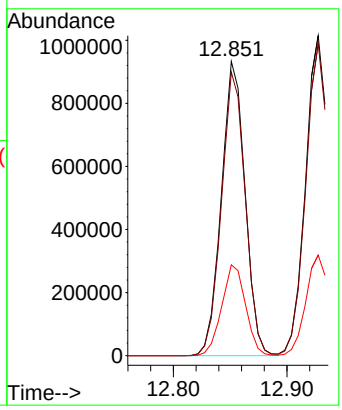




#43
2,4,6-Trichlorophenol
Concen: 84.134 ng
RT: 12.851 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:196 Resp: 135673

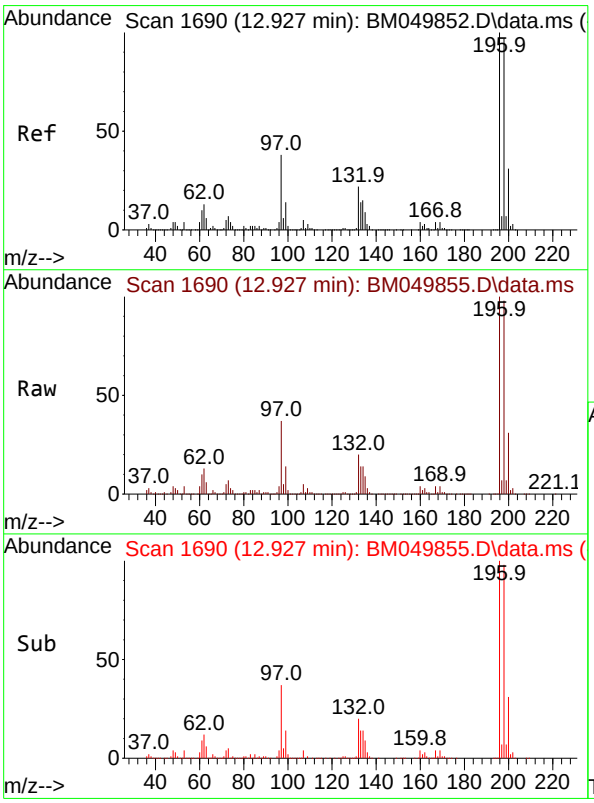
Ion	Ratio	Lower	Upper
196	100		
198	96.3	76.1	114.1
200	30.9	24.7	37.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

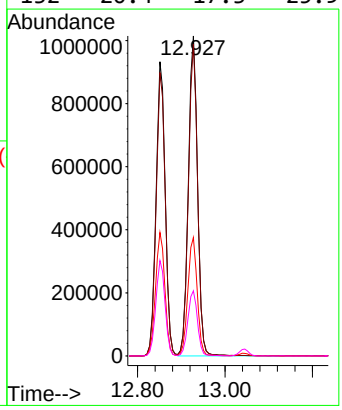
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

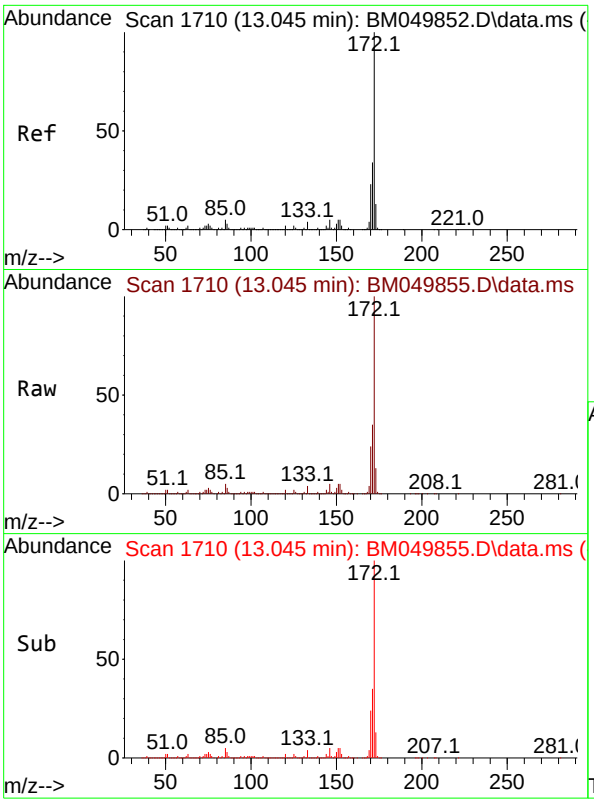


#44
2,4,5-Trichlorophenol
Concen: 84.323 ng
RT: 12.927 min Scan# 1690
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:196 Resp: 1477695

Ion	Ratio	Lower	Upper
196	100		
198	97.5	77.7	116.5
97	37.0	30.3	45.5
132	20.4	17.3	25.9

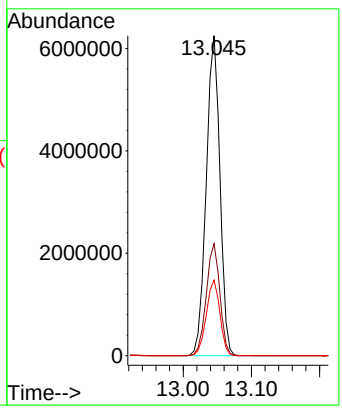




#45
2-Fluorobiphenyl
Concen: 163.160 ng
RT: 13.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:172 Resp: 871591

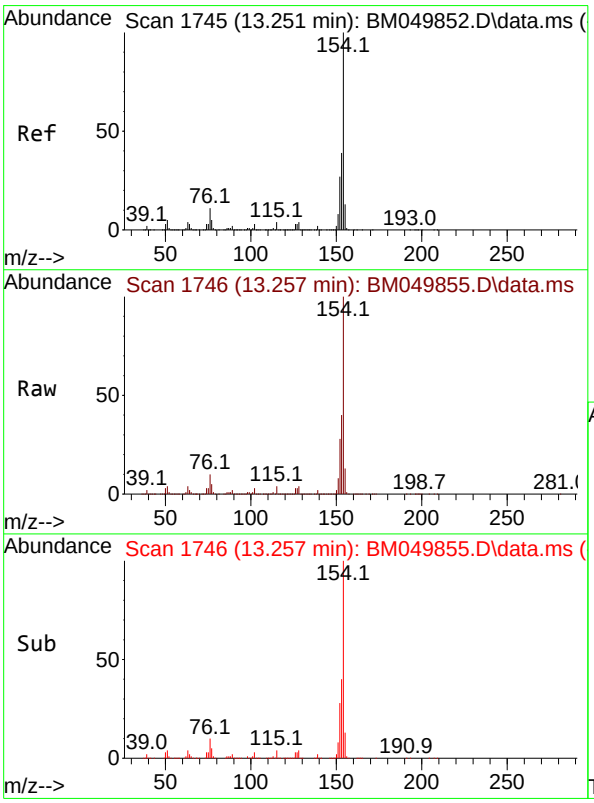
Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.4	41.2
170	23.7	18.6	28.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

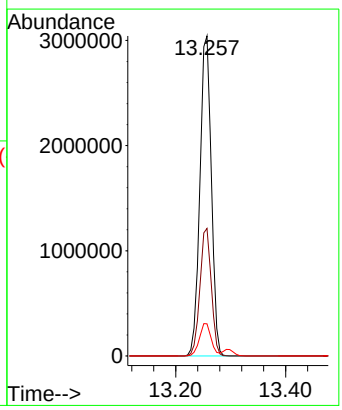
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

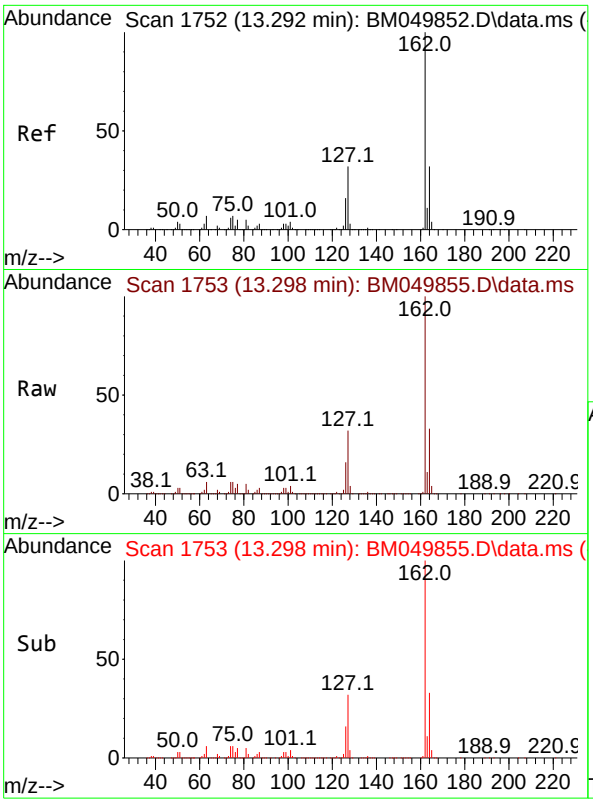


#46
1,1'-Biphenyl
Concen: 81.540 ng
RT: 13.257 min Scan# 1746
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:154 Resp: 4390713

Ion	Ratio	Lower	Upper
154	100		
153	39.8	19.3	59.3
76	10.0	0.0	30.7

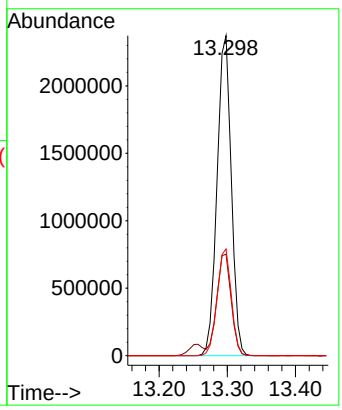




#47
2-Chloronaphthalene
Concen: 81.376 ng
RT: 13.298 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:162 Resp: 344409

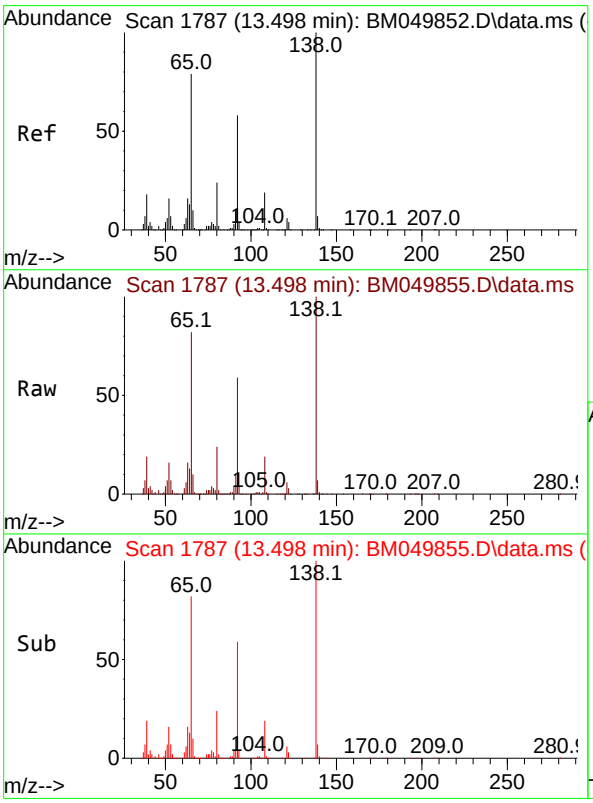
Ion	Ratio	Lower	Upper
162	100		
127	31.7	26.0	39.0
164	33.3	25.9	38.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

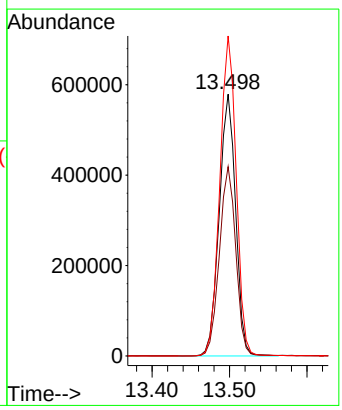
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

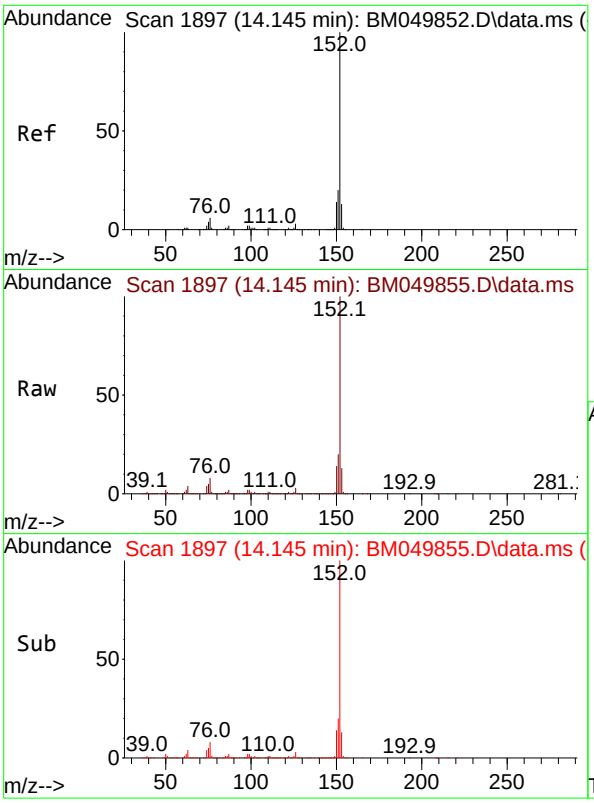


#48
2-Nitroaniline
Concen: 87.168 ng
RT: 13.498 min Scan# 1787
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 65 Resp: 853486

Ion	Ratio	Lower	Upper
65	100		
92	72.3	58.4	87.6
138	122.2	100.8	151.2

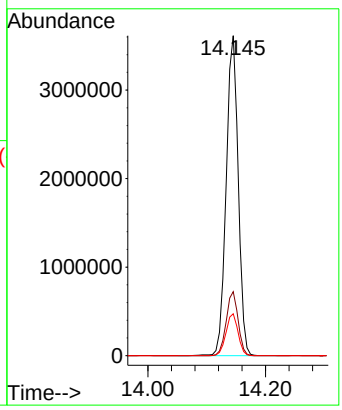




#49
Acenaphthylene
Concen: 83.088 ng
RT: 14.145 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:152 Resp: 512239

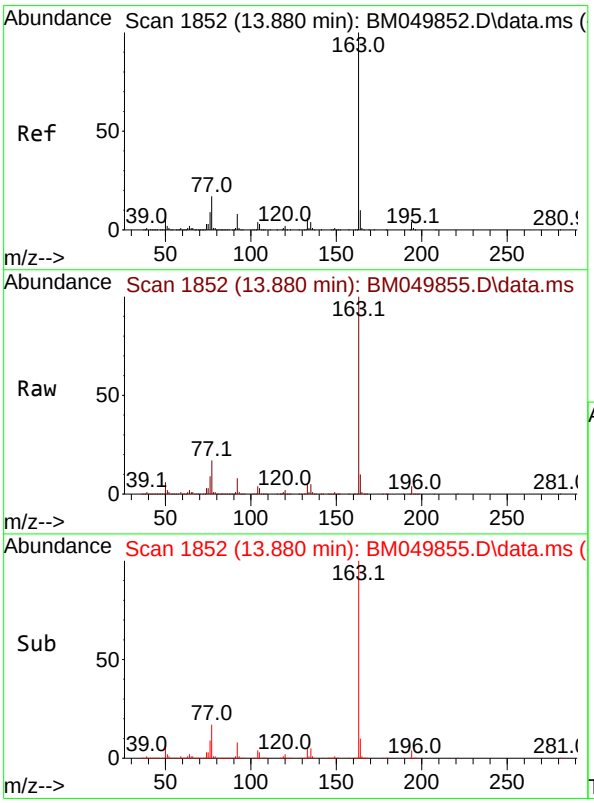
Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.7	23.5
153	13.1	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

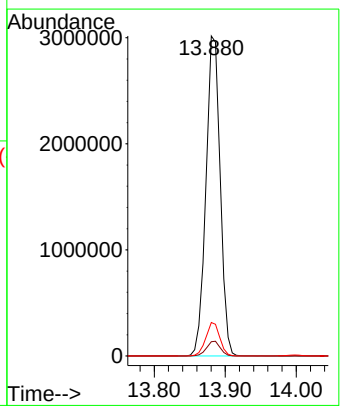
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

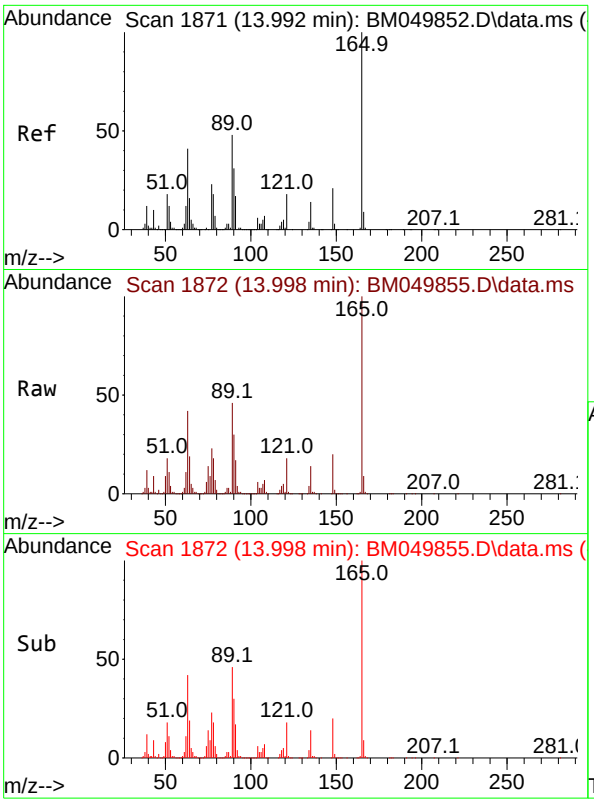


#50
Dimethylphthalate
Concen: 82.512 ng
RT: 13.880 min Scan# 1852
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:163 Resp: 4216670

Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.5	5.3
164	10.4	7.9	11.9

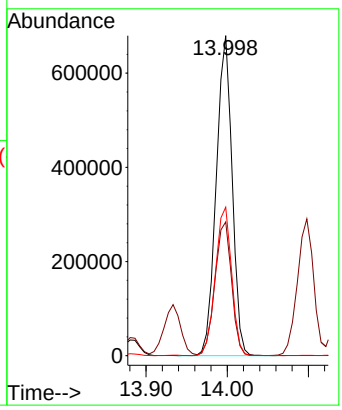




#51
2,6-Dinitrotoluene
Concen: 86.653 ng
RT: 13.998 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:165 Resp: 92778

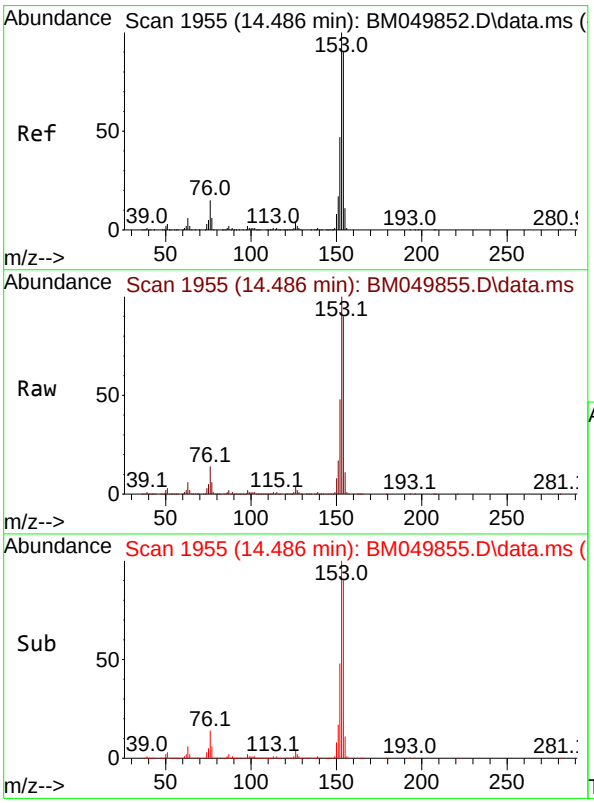
Ion	Ratio	Lower	Upper
165	100		
63	41.8	36.1	54.1
89	46.4	38.3	57.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

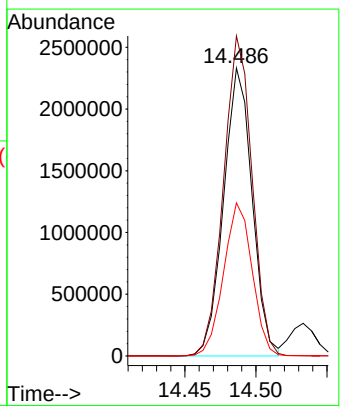
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

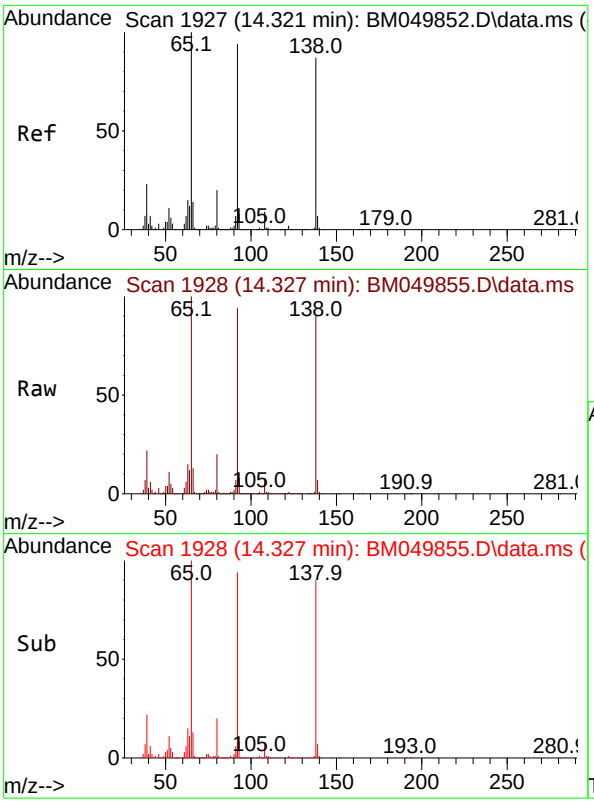


#52
Acenaphthene
Concen: 83.258 ng
RT: 14.486 min Scan# 1955
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:154 Resp: 3264918

Ion	Ratio	Lower	Upper
154	100		
153	111.2	89.3	133.9
152	53.2	42.2	63.2

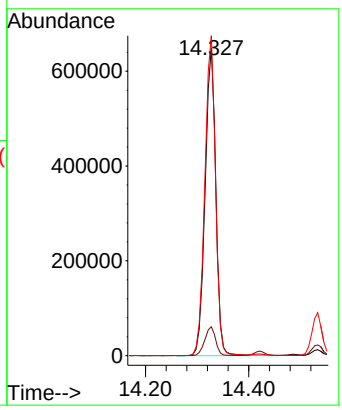




#53
3-Nitroaniline
Concen: 89.933 ng
RT: 14.327 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:138 Resp: 93064

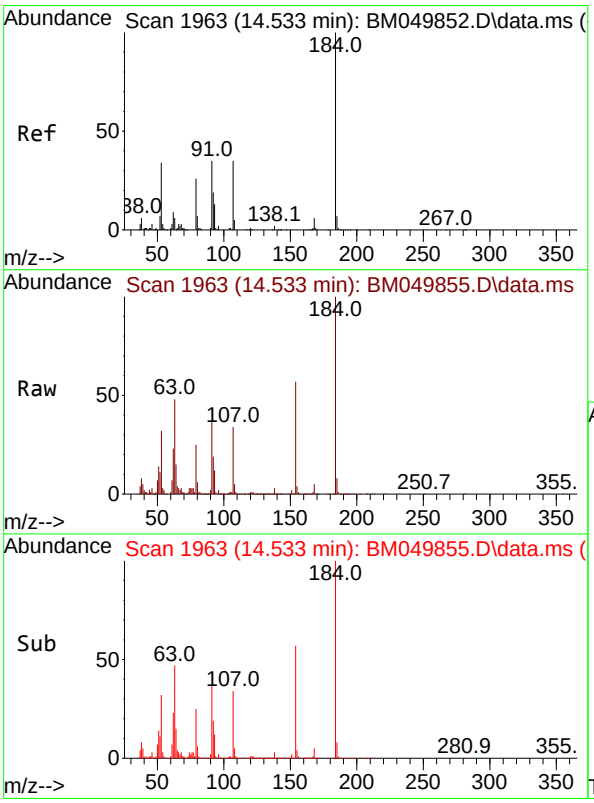
Ion	Ratio	Lower	Upper
138	100		
108	9.4	8.1	12.1
92	104.0	86.5	129.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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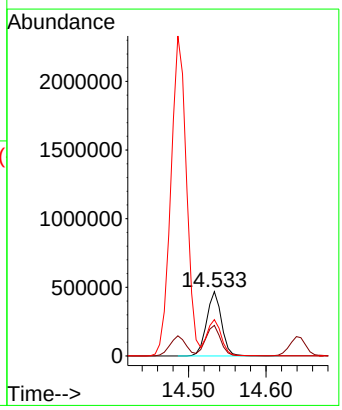
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

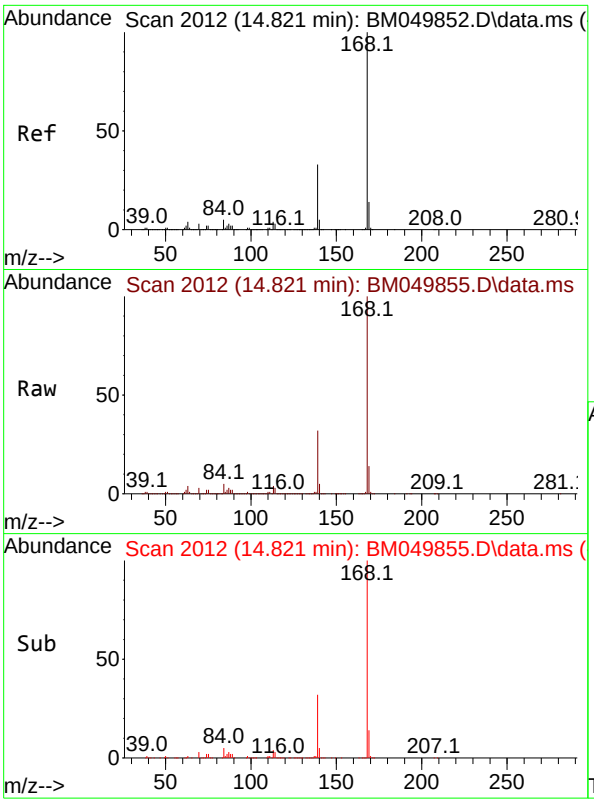


#54
2,4-Dinitrophenol
Concen: 80.604 ng
RT: 14.533 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:184 Resp: 625443

Ion	Ratio	Lower	Upper
184	100		
63	47.6	38.4	57.6
154	56.6	48.1	72.1





#55
Dibenzofuran
Concen: 83.068 ng
RT: 14.821 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

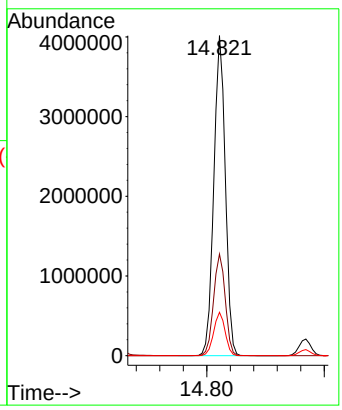
Tgt Ion:168 Resp: 544558(

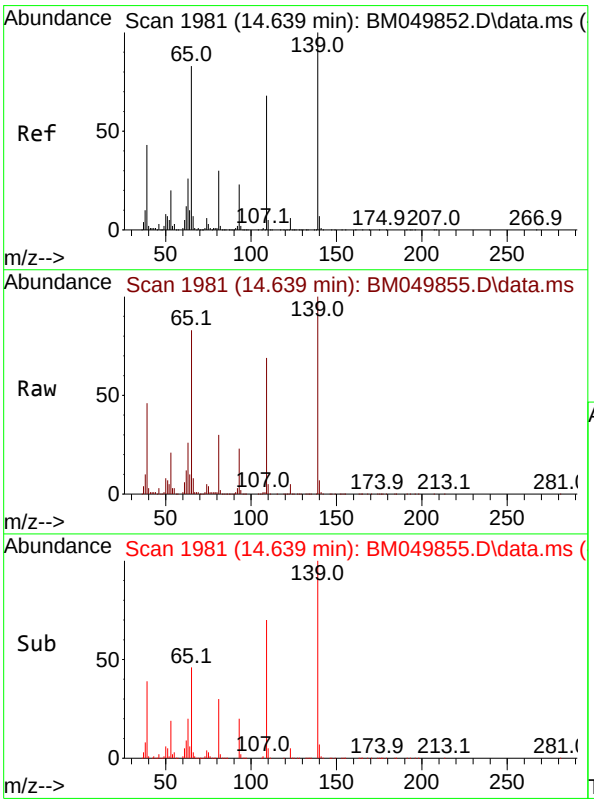
Ion	Ratio	Lower	Upper
168	100		
139	31.7	26.6	39.8
169	13.6	11.0	16.4

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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

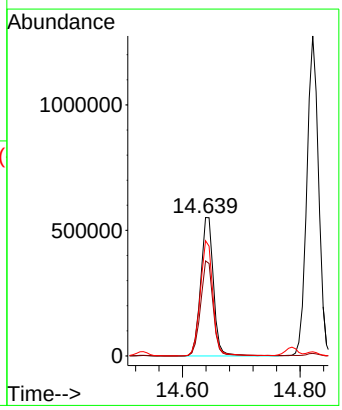


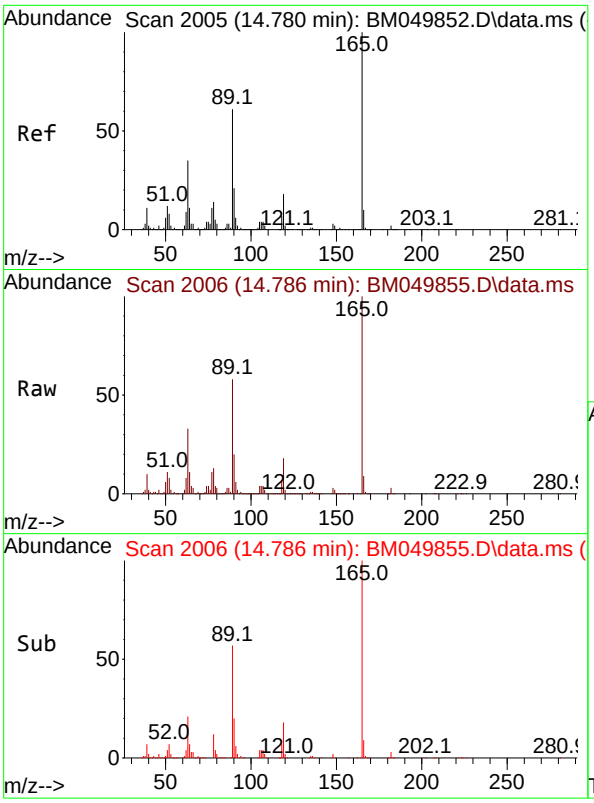


#56
4-Nitrophenol
Concen: 90.623 ng
RT: 14.639 min Scan# 1981
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:139 Resp: 835691

Ion	Ratio	Lower	Upper
139	100		
109	68.7	47.9	87.9
65	83.2	62.7	102.7

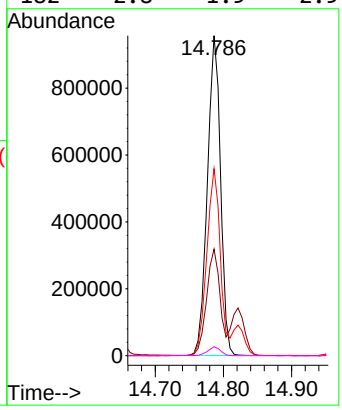




#57
2,4-Dinitrotoluene
Concen: 89.846 ng
RT: 14.786 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:165 Resp: 128334

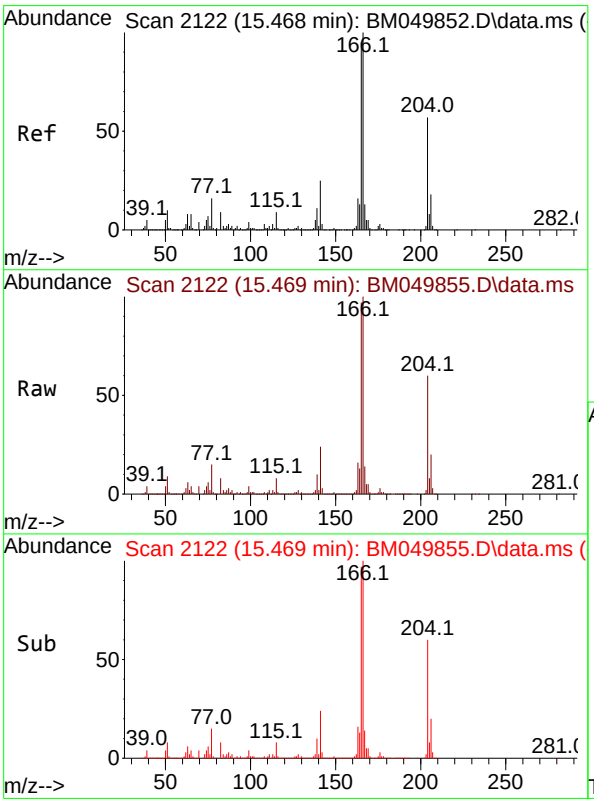
Ion	Ratio	Lower	Upper
165	100		
63	33.3	28.6	42.8
89	58.5	49.0	73.6
182	2.8	1.9	2.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

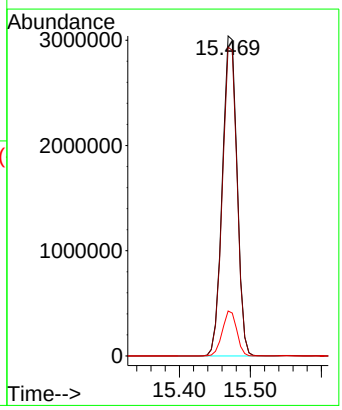
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

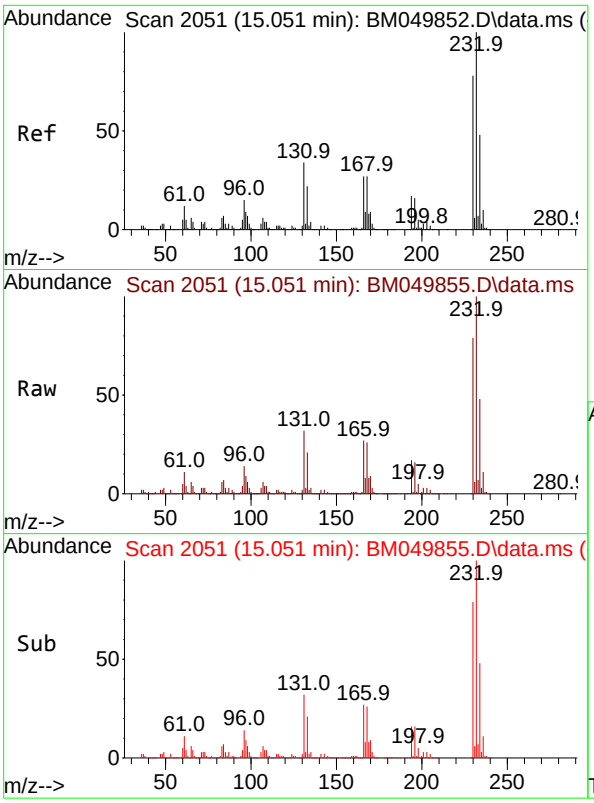


#58
Fluorene
Concen: 83.687 ng
RT: 15.469 min Scan# 2122
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:166 Resp: 4360823

Ion	Ratio	Lower	Upper
166	100		
165	96.5	76.3	114.5
167	14.0	10.7	16.1

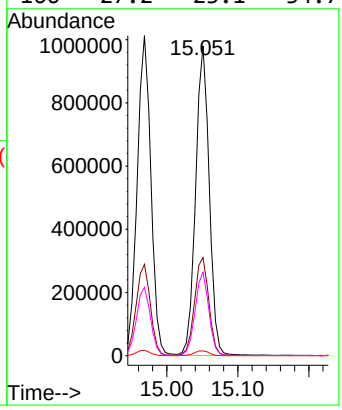




#59
2,3,4,6-Tetrachlorophenol
Concen: 85.213 ng
RT: 15.051 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:232 Resp: 130882

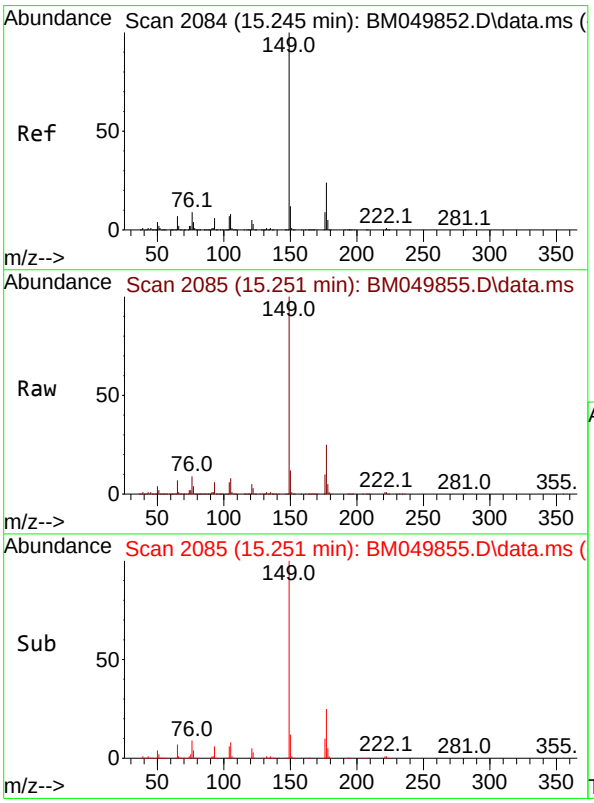
Ion	Ratio	Lower	Upper
232	100		
131	33.3	28.4	42.6
130	1.7	1.6	2.4
166	27.2	23.1	34.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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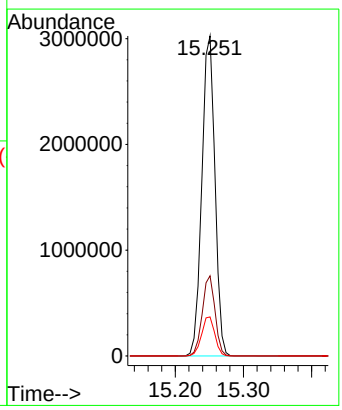
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

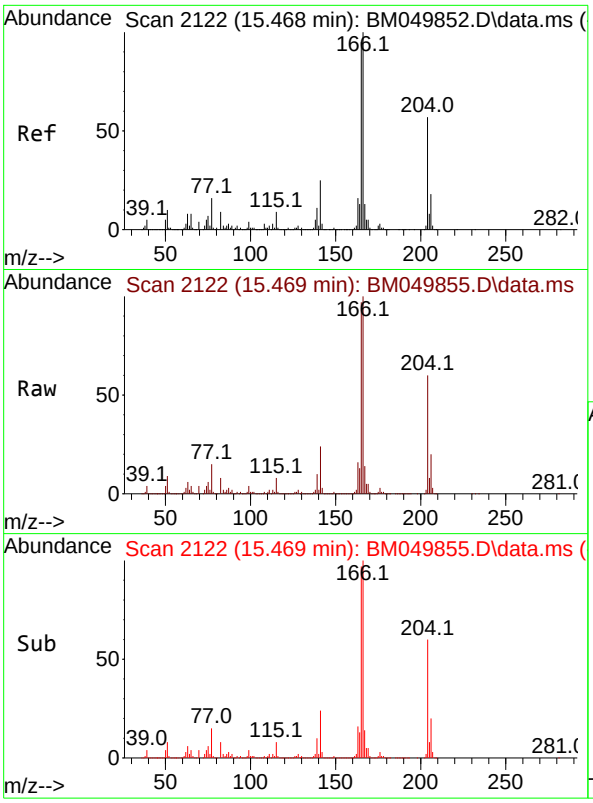


#60
Diethylphthalate
Concen: 82.577 ng
RT: 15.251 min Scan# 2085
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:149 Resp: 4046865

Ion	Ratio	Lower	Upper
149	100		
177	25.0	19.0	28.4
150	12.2	9.7	14.5





#61
4-Chlorophenyl-phenylether
Concen: 86.698 ng
RT: 15.469 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

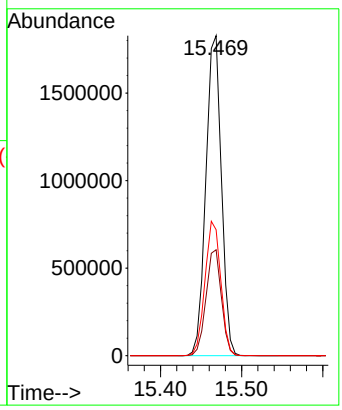
Instrument :
BNA_M
ClientSampleId :
SSTDICC080

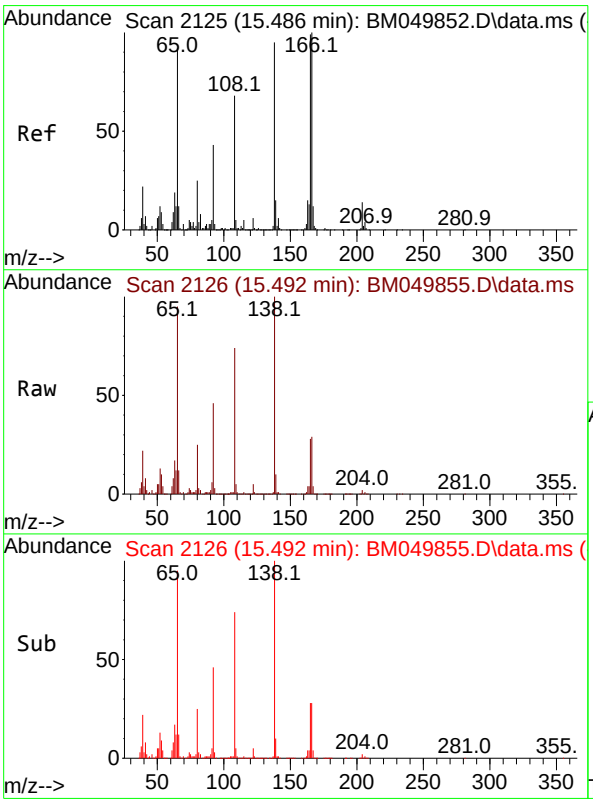
Tgt Ion:204 Resp: 242211

Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.2	39.2
141	39.3	35.0	52.6

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

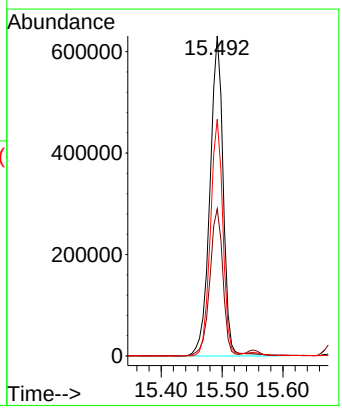


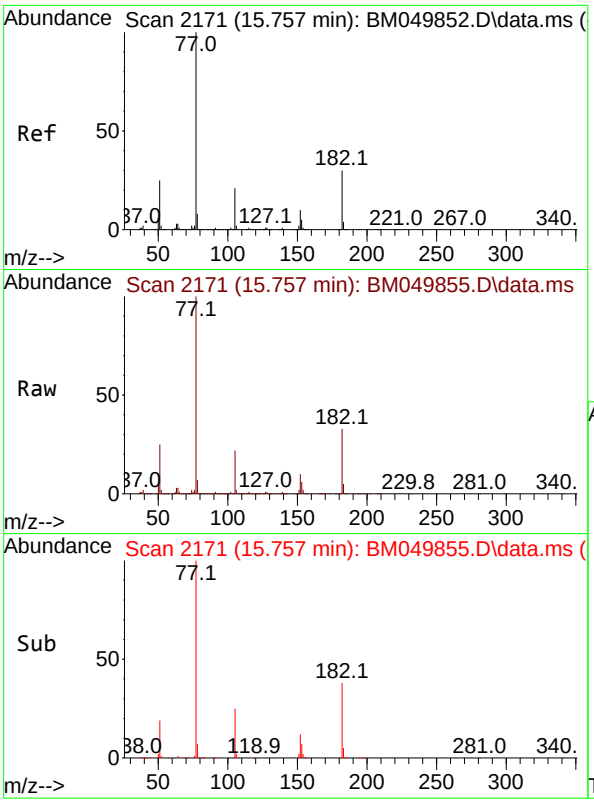


#62
4-Nitroaniline
Concen: 89.608 ng
RT: 15.492 min Scan# 2126
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:138 Resp: 958937

Ion	Ratio	Lower	Upper
138	100		
92	46.0	24.9	64.9
108	74.0	51.7	91.7

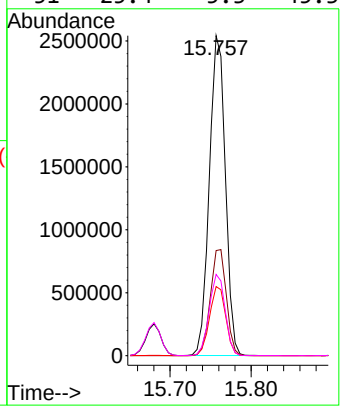




#63
Azobenzene
Concen: 82.888 ng
RT: 15.757 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 77 Resp: 347780

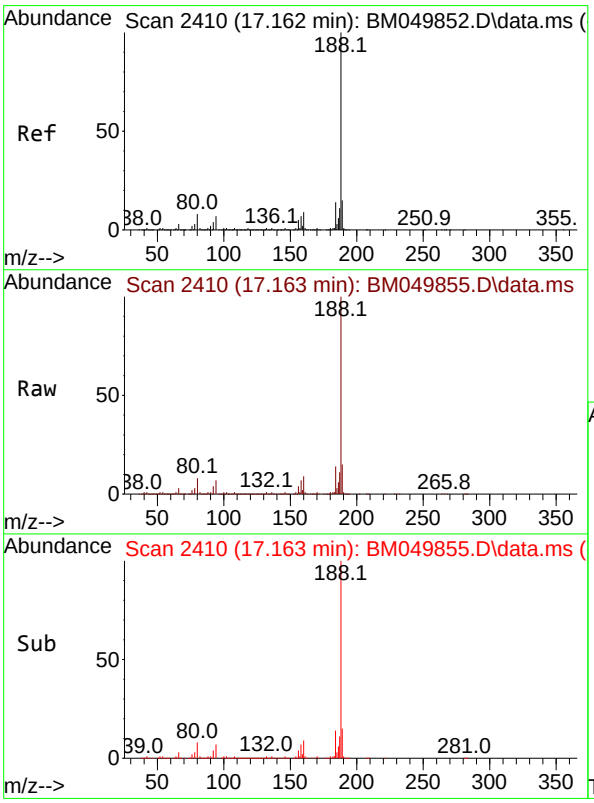
Ion	Ratio	Lower	Upper
77	100		
182	32.9	10.4	50.4
105	21.6	1.5	41.5
51	25.4	5.3	45.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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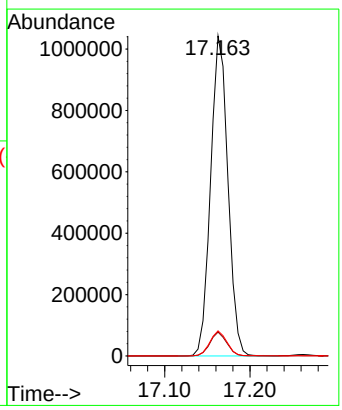
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

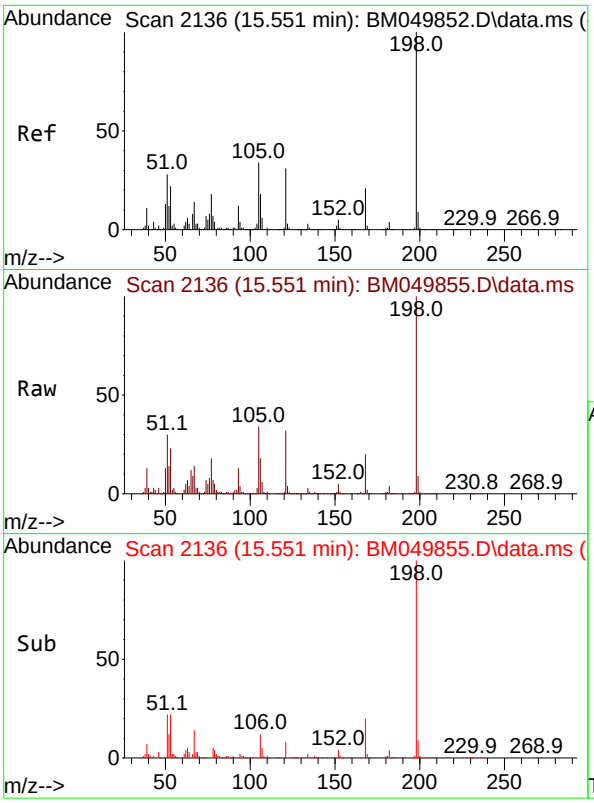


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.163 min Scan# 2410
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:188 Resp: 1472595

Ion	Ratio	Lower	Upper
188	100		
94	7.5	5.8	8.6
80	7.8	6.4	9.6





#65
4,6-Dinitro-2-methylphenol
Concen: 88.841 ng
RT: 15.551 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

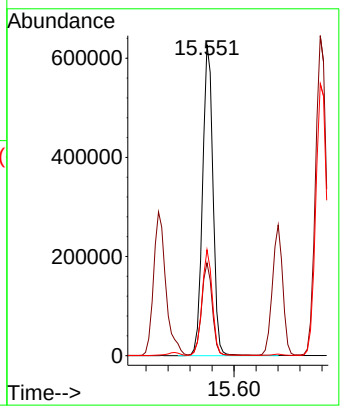
Tgt Ion:198 Resp: 82441

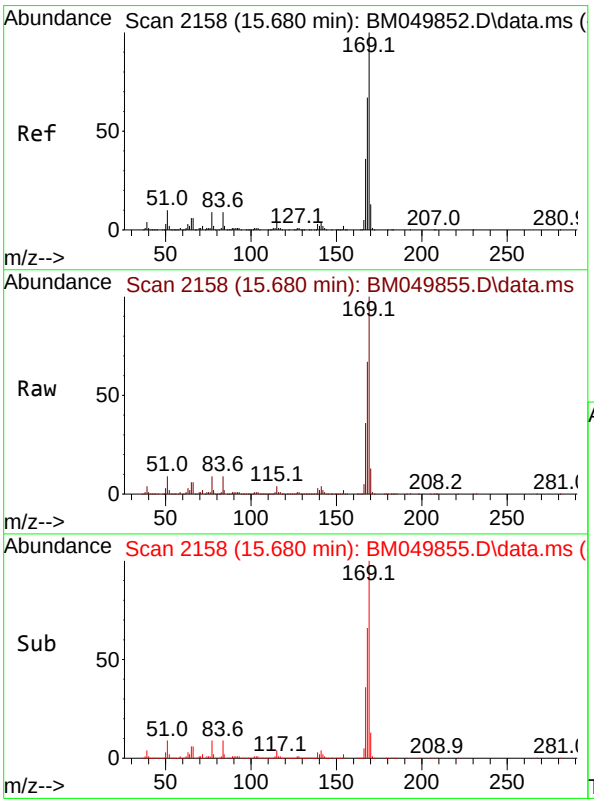
Ion	Ratio	Lower	Upper
198	100		
51	29.8	9.6	49.6
105	34.1	14.7	54.7

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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

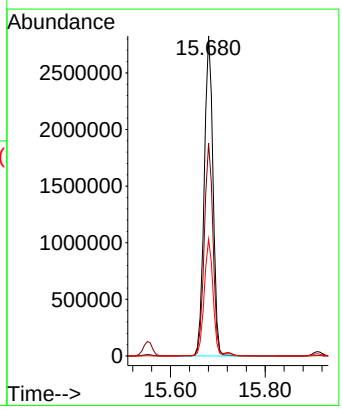


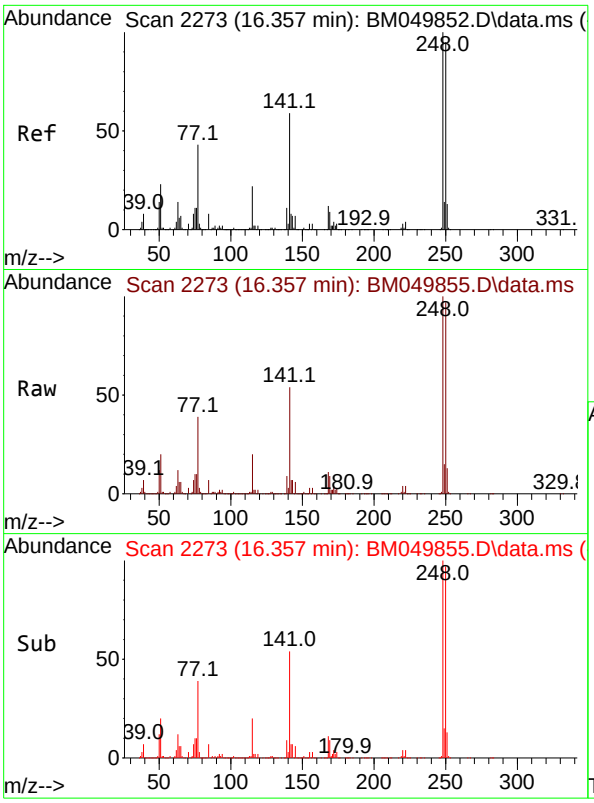


#66
n-Nitrosodiphenylamine
Concen: 82.034 ng
RT: 15.680 min Scan# 2158
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:169 Resp: 3615164

Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.4	80.2
167	36.5	29.0	43.6





#67
4-Bromophenyl-phenylether
Concen: 86.704 ng
RT: 16.357 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

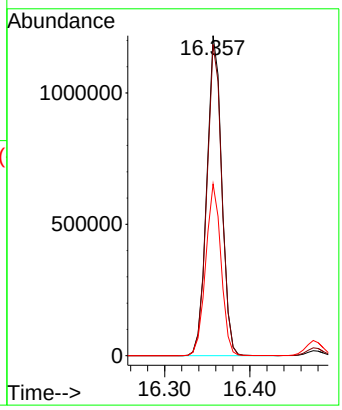
Tgt Ion:248 Resp: 148221

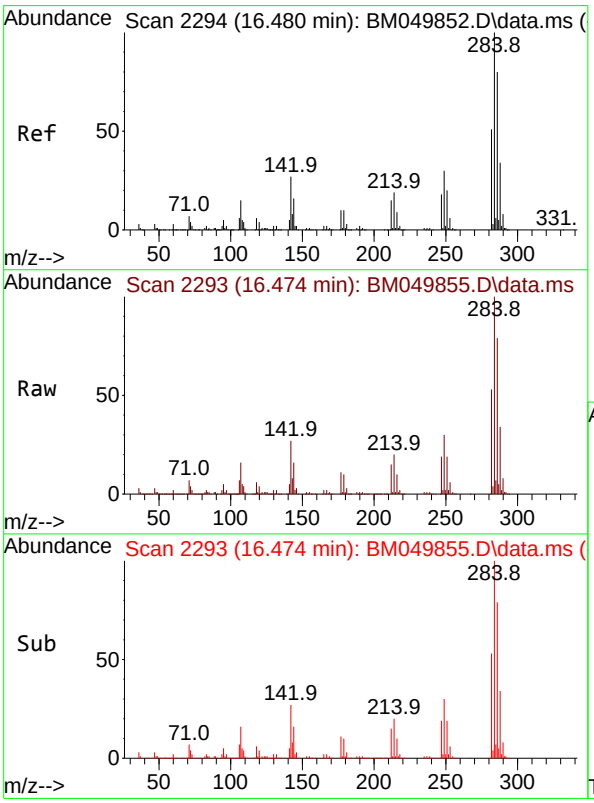
Ion	Ratio	Lower	Upper
248	100		
250	97.3	76.2	114.2
141	53.6	47.3	70.9

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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

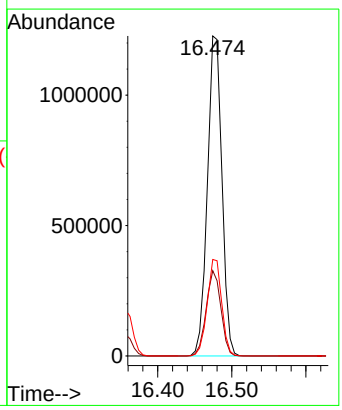


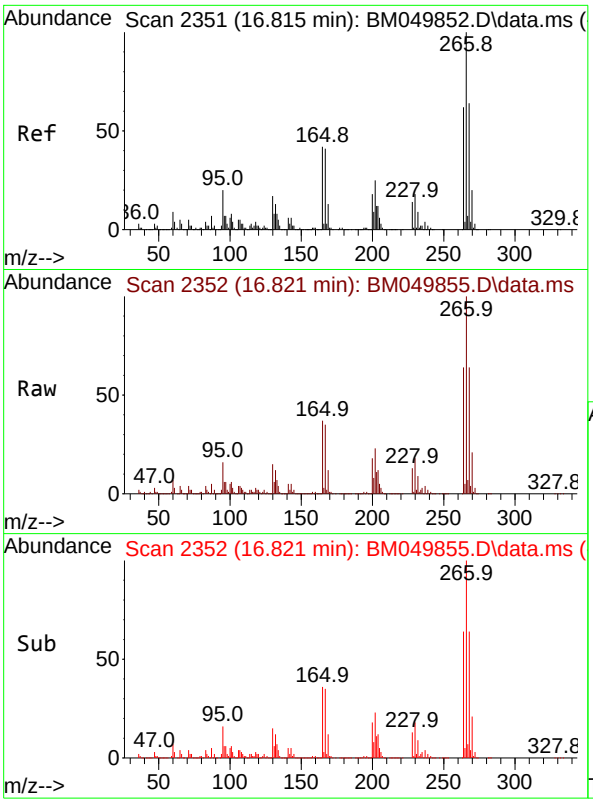


#68
Hexachlorobenzene
Concen: 85.201 ng
RT: 16.474 min Scan# 2293
Delta R.T. -0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:284 Resp: 1670677

Ion	Ratio	Lower	Upper
284	100		
142	26.6	21.2	31.8
249	30.2	24.1	36.1

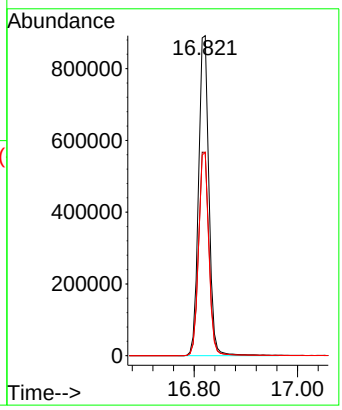




#70
Pentachlorophenol
Concen: 85.821 ng
RT: 16.821 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:266 Resp: 123892

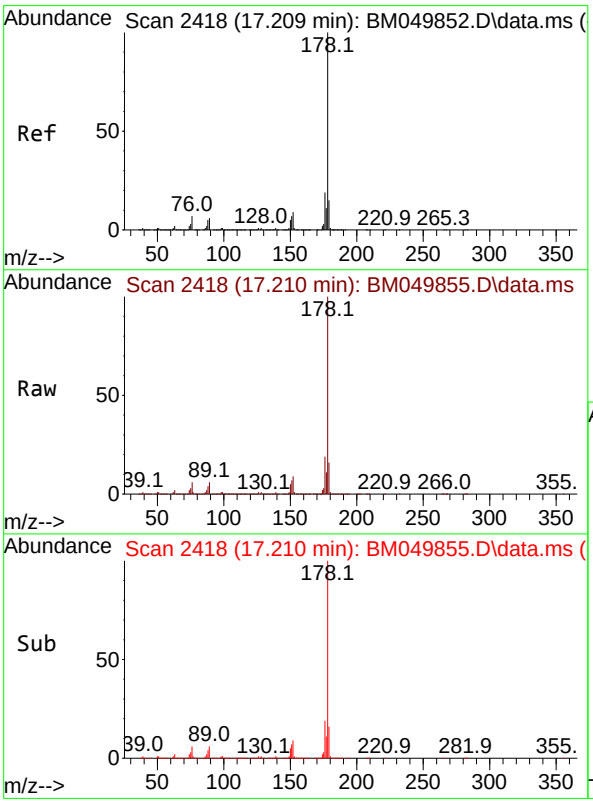
Ion	Ratio	Lower	Upper
266	100		
268	63.5	51.4	77.2
264	63.6	49.8	74.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

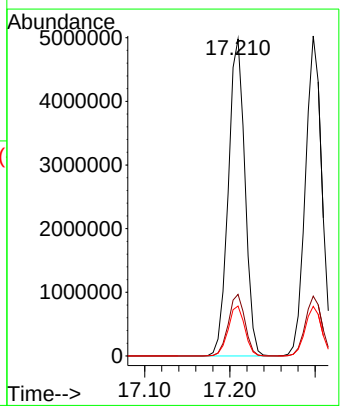
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

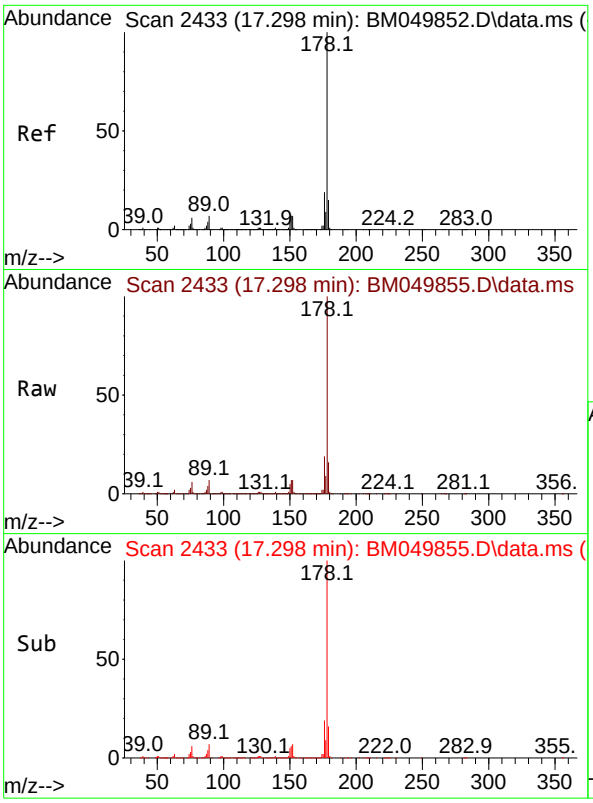


#71
Phenanthrene
Concen: 83.700 ng
RT: 17.210 min Scan# 2418
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:178 Resp: 6757399

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	15.7	12.3	18.5

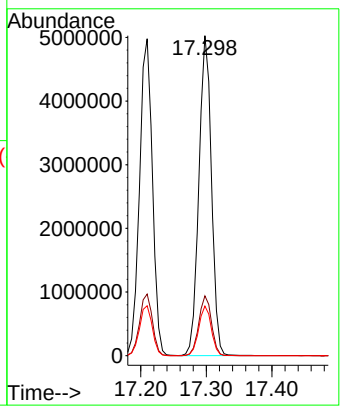




#72
Anthracene
Concen: 84.390 ng
RT: 17.298 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:178 Resp: 671418

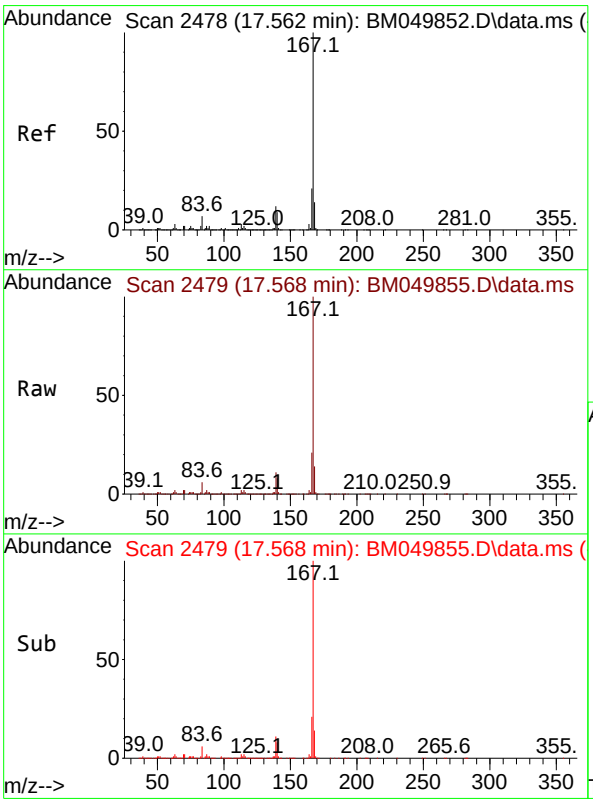
Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.1	22.7
179	15.5	12.4	18.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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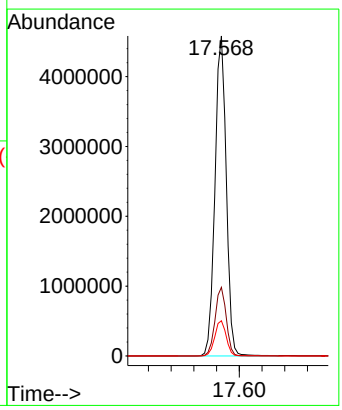
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

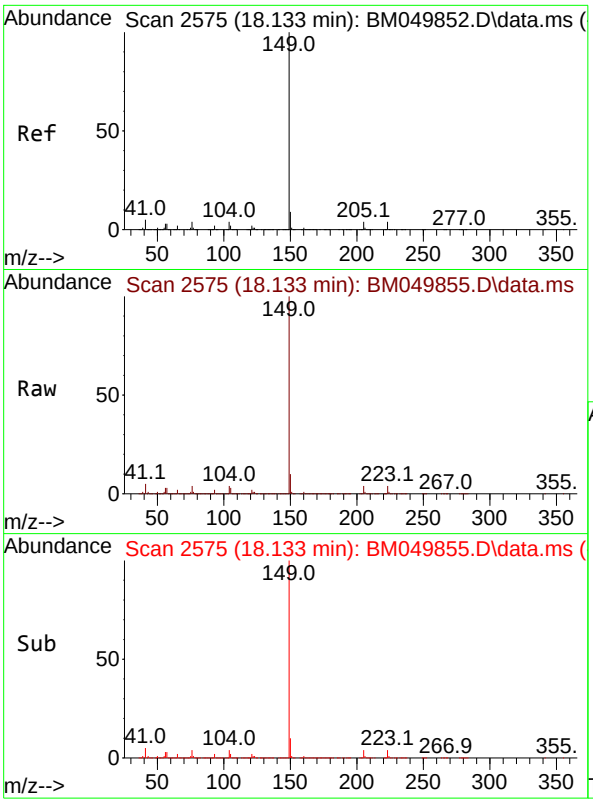


#73
Carbazole
Concen: 84.159 ng
RT: 17.568 min Scan# 2479
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:167 Resp: 6306654

Ion	Ratio	Lower	Upper
167	100		
166	21.5	16.9	25.3
139	11.0	9.3	13.9





#74
Di-n-butylphthalate
Concen: 81.592 ng
RT: 18.133 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

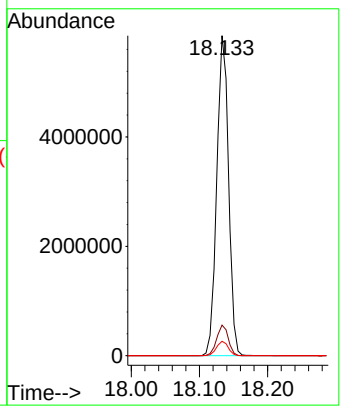
Instrument :
BNA_M
ClientSampleId :
SSTDICC080

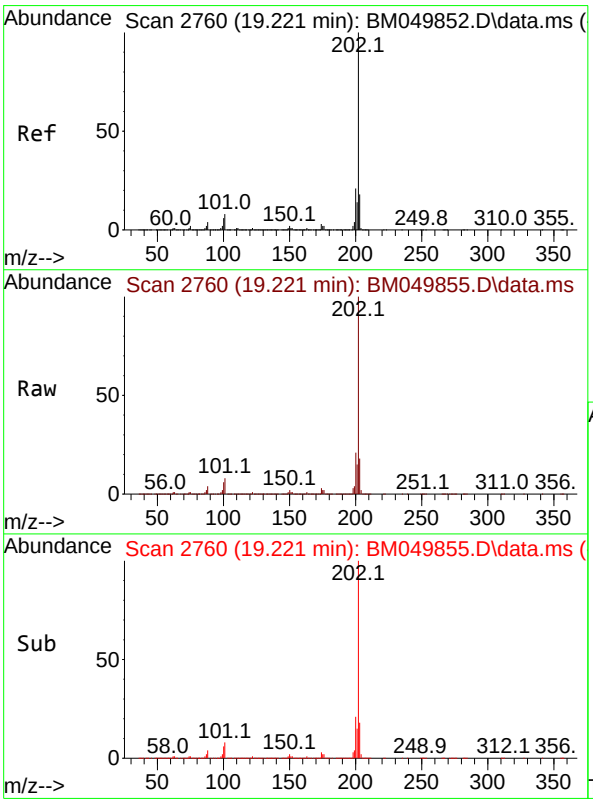
Tgt Ion:149 Resp: 704243

Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.5	11.3
104	4.5	3.5	5.3

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

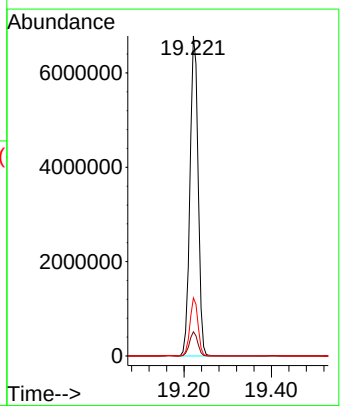


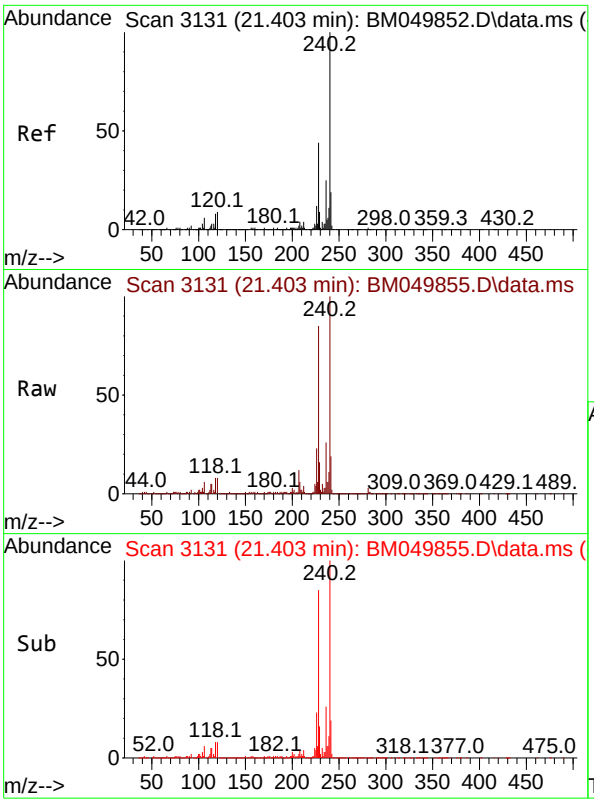


#75
Fluoranthene
Concen: 88.324 ng
RT: 19.221 min Scan# 2760
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:202 Resp: 8767531

Ion	Ratio	Lower	Upper
202	100		
101	7.5	0.0	28.4
203	18.1	0.0	37.8

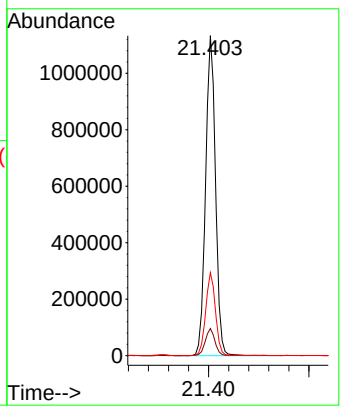




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:240 Resp: 155860

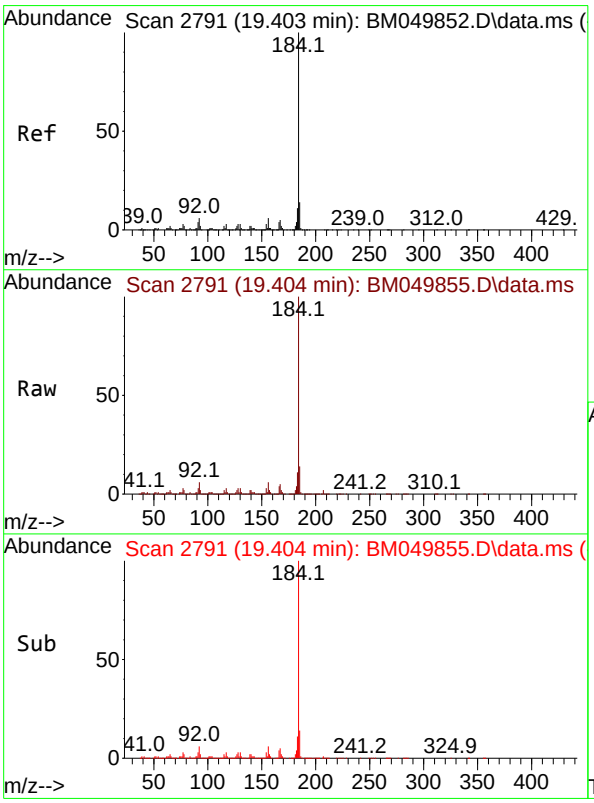
Ion	Ratio	Lower	Upper
240	100		
120	8.5	6.9	10.3
236	26.0	20.4	30.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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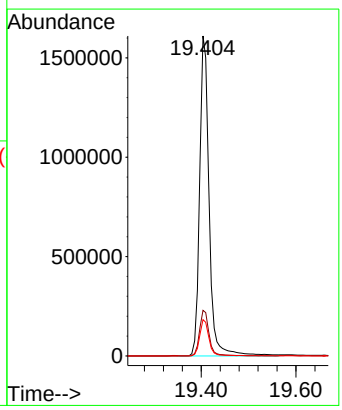
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

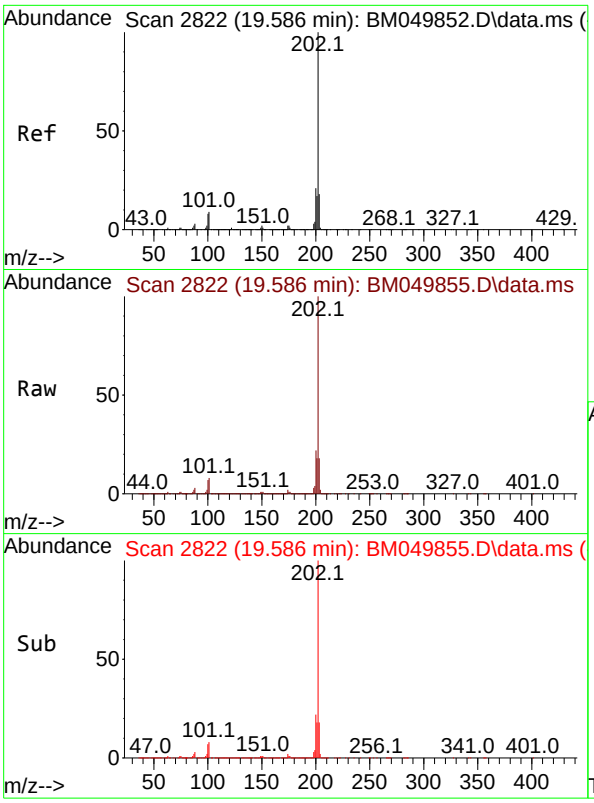


#77
Benzidine
Concen: 107.704 ng
RT: 19.404 min Scan# 2791
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:184 Resp: 2227000

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.4	17.2
183	11.4	8.8	13.2





#78
Pyrene
Concen: 83.755 ng
RT: 19.586 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

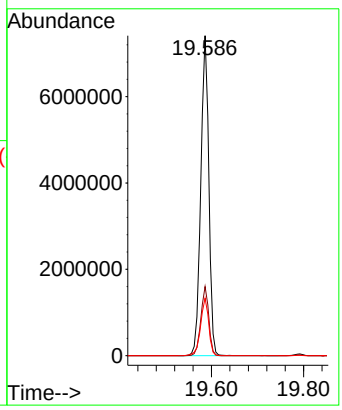
Tgt Ion:202 Resp: 899668

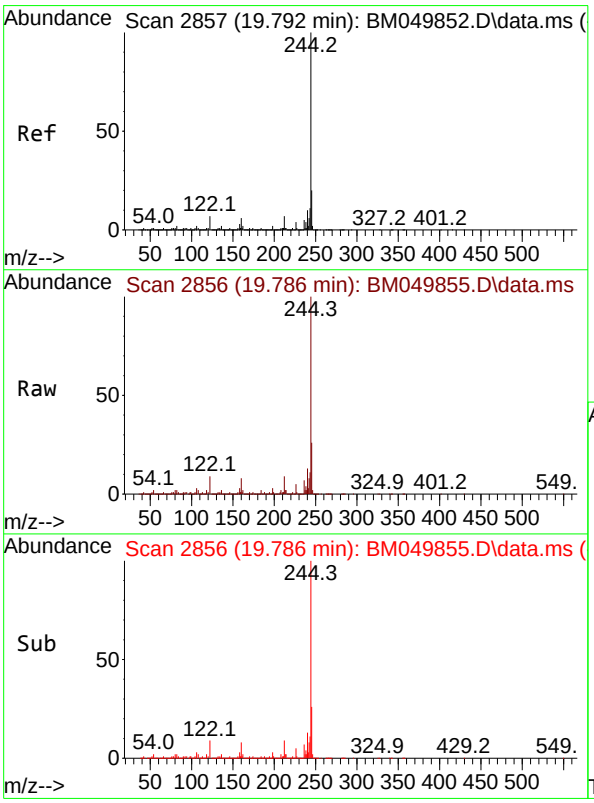
Ion	Ratio	Lower	Upper
202	100		
200	21.6	16.5	24.7
203	18.0	14.0	21.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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

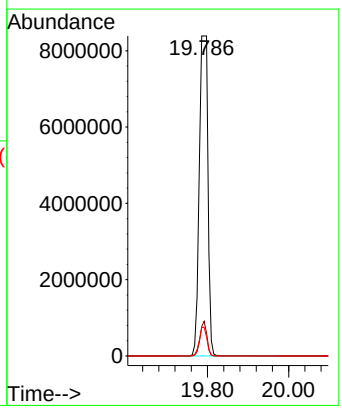


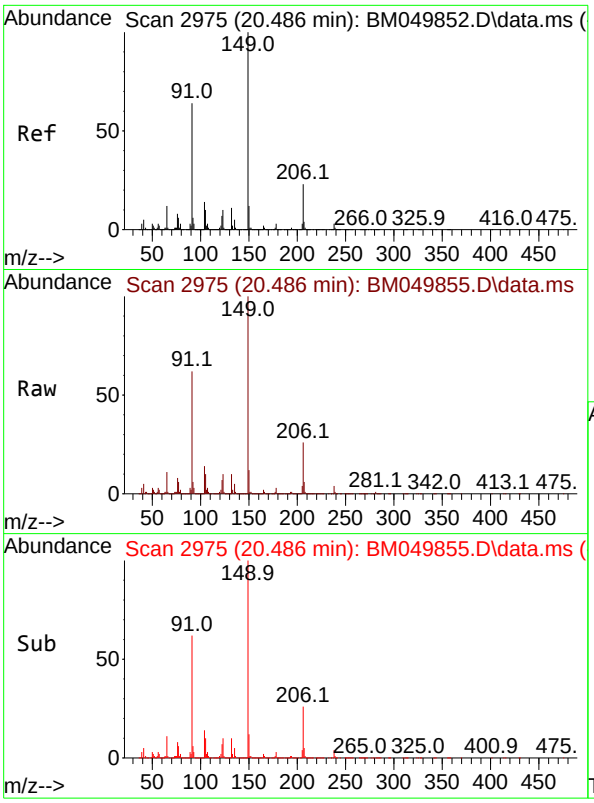


#79
Terphenyl-d14
Concen: 150.586 ng
RT: 19.786 min Scan# 2856
Delta R.T. -0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:244 Resp:12523857

Ion	Ratio	Lower	Upper
244	100		
212	9.2	5.5	8.3#
122	8.9	5.4	8.0#

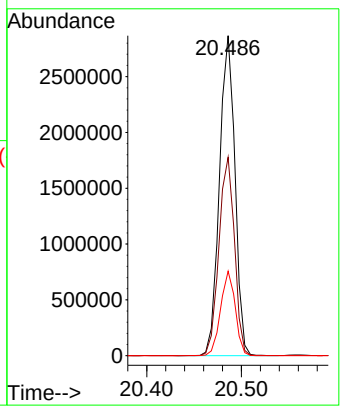




#80
Butylbenzylphthalate
Concen: 80.838 ng
RT: 20.486 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:149 Resp: 326279

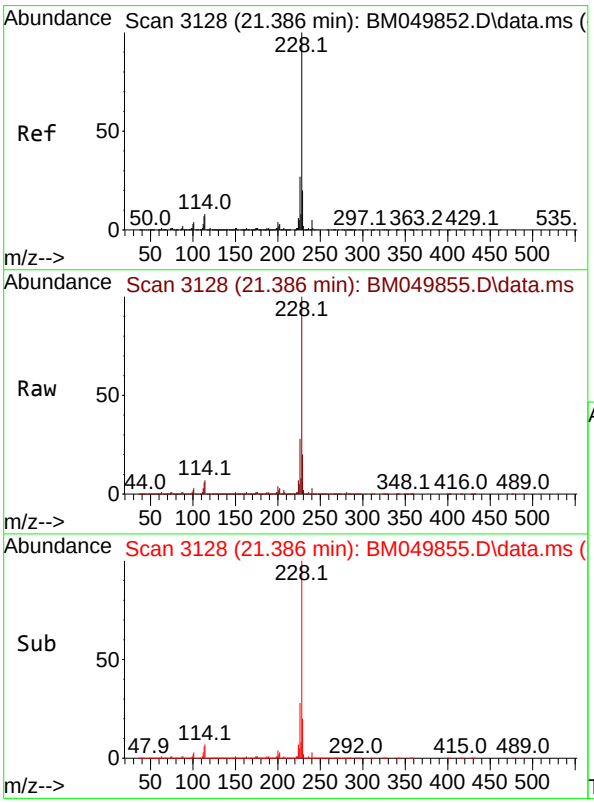
Ion	Ratio	Lower	Upper
149	100		
91	62.0	50.9	76.3
206	26.4	18.4	27.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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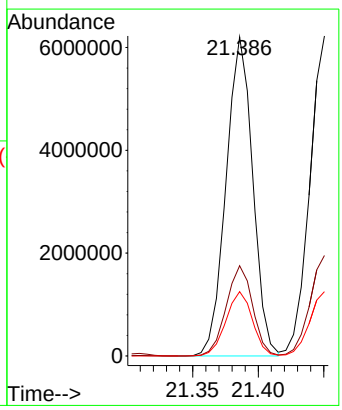
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

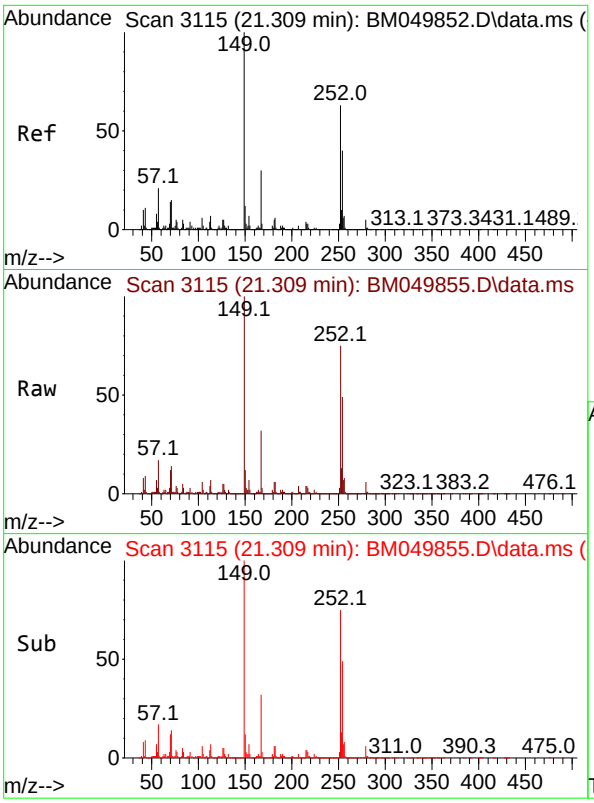


#81
Benzo(a)anthracene
Concen: 84.761 ng
RT: 21.386 min Scan# 3128
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:228 Resp: 8779936

Ion	Ratio	Lower	Upper
228	100		
226	28.3	21.8	32.8
229	20.2	15.8	23.8





#82
3,3'-Dichlorobenzidine
Concen: 90.091 ng
RT: 21.309 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

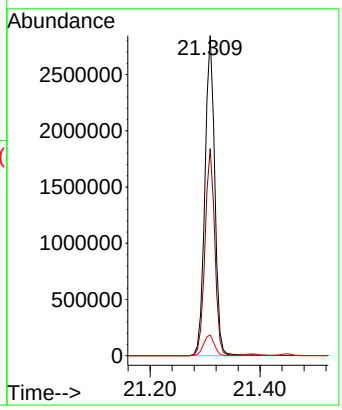
Instrument :
BNA_M
ClientSampleId :
SSTDICC080

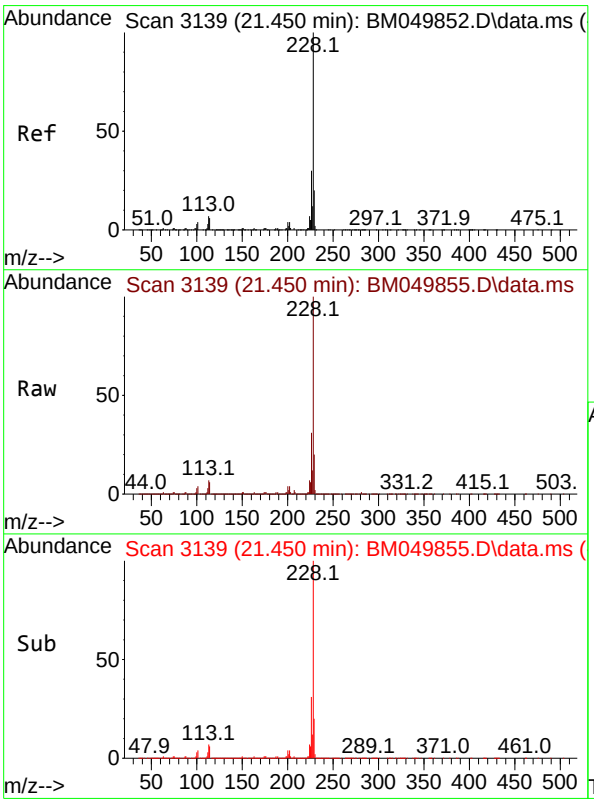
Tgt Ion:252 Resp: 352413

Ion	Ratio	Lower	Upper
252	100		
254	64.7	51.5	77.3
126	6.4	6.3	9.5

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

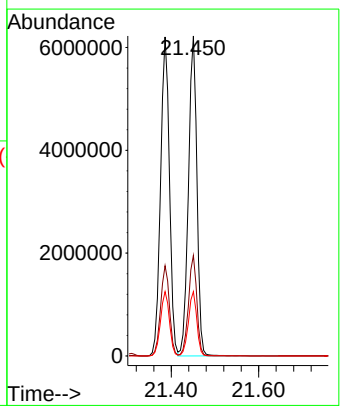


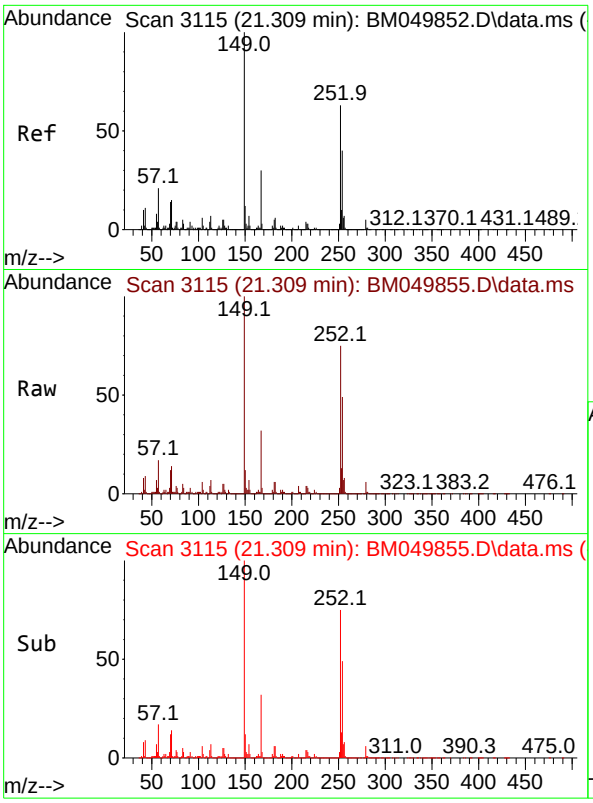


#83
Chrysene
Concen: 85.181 ng
RT: 21.450 min Scan# 3139
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:228 Resp: 8388518

Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.1	36.1
229	20.1	15.8	23.6





#84
Bis(2-ethylhexyl)phthalate
Concen: 78.171 ng
RT: 21.309 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

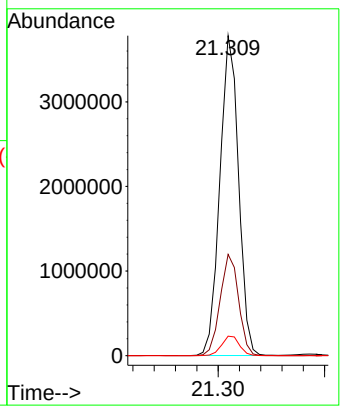
Tgt Ion:149 Resp: 459693

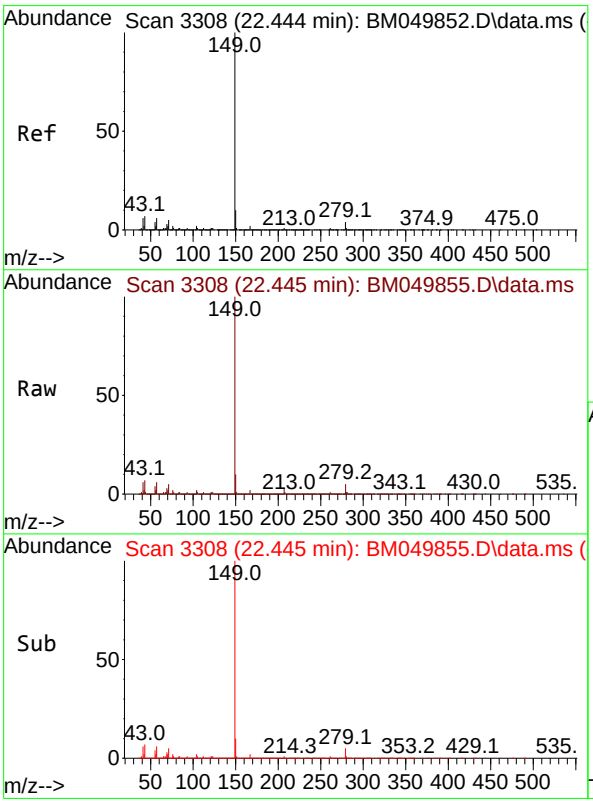
Ion	Ratio	Lower	Upper
149	100		
167	31.7	23.8	35.6
279	6.1	3.8	5.8

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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

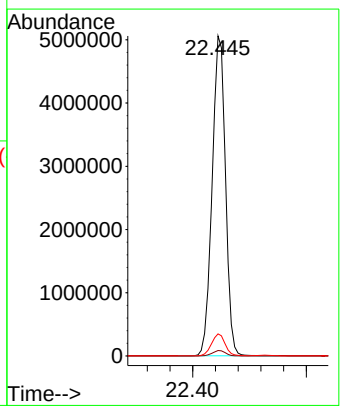


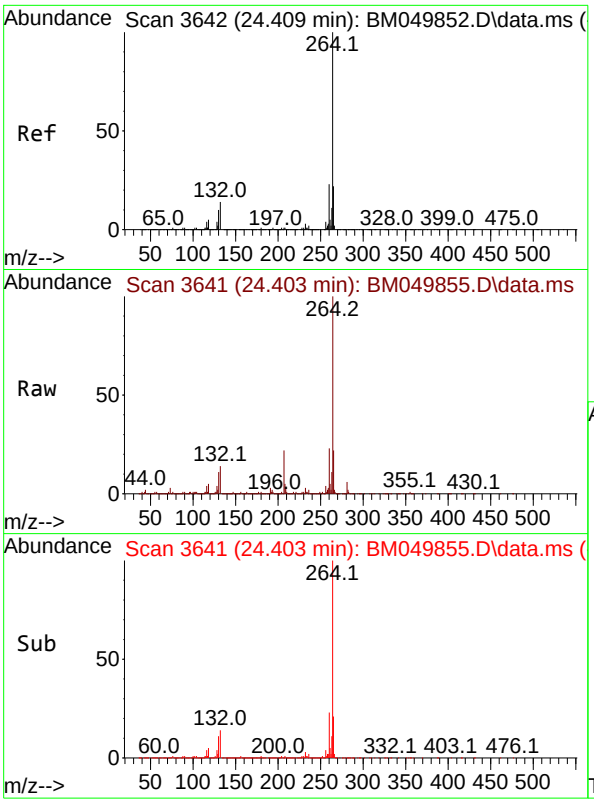


#85
Di-n-octyl phthalate
Concen: 79.753 ng
RT: 22.445 min Scan# 3308
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:149 Resp: 8204703

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	6.9	5.8	8.6

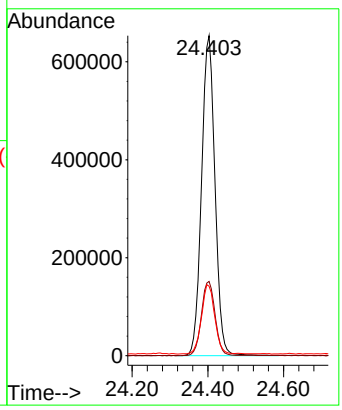




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.403 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:264 Resp: 159921

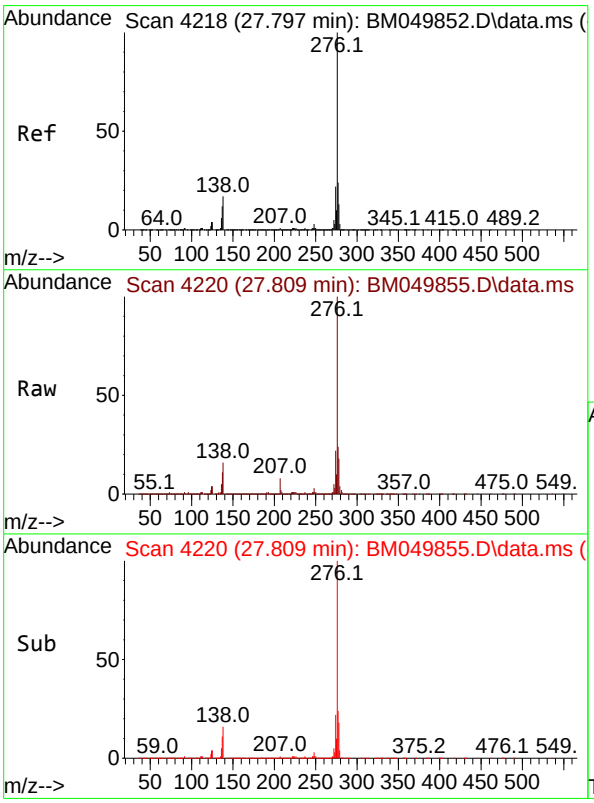
Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	28.0
265	21.7	17.8	26.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

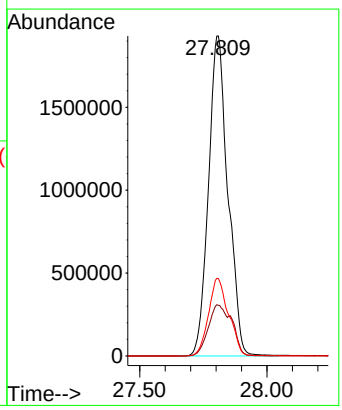
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

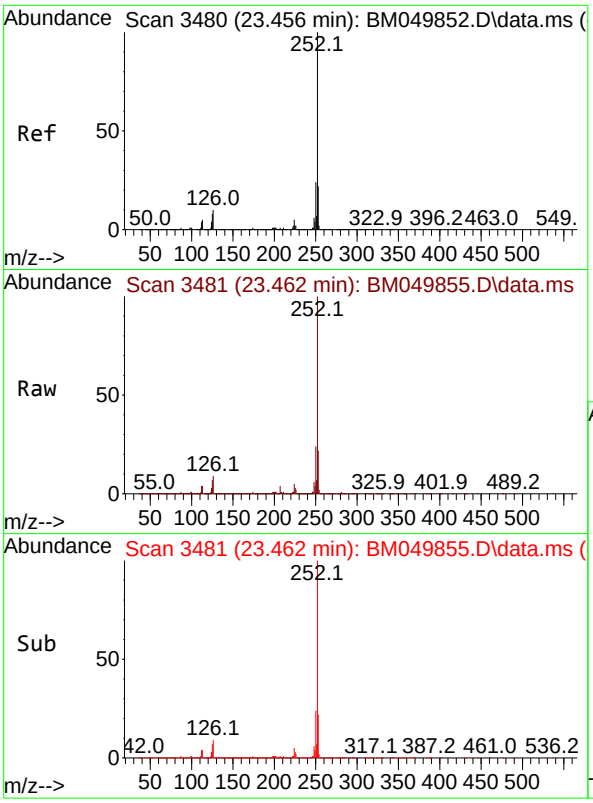


#87
Indeno(1,2,3-cd)pyrene
Concen: 86.167 ng
RT: 27.809 min Scan# 4220
Delta R.T. 0.012 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:276 Resp:10271777

Ion	Ratio	Lower	Upper
276	100		
138	19.5	16.8	25.2
277	25.1	20.1	30.1

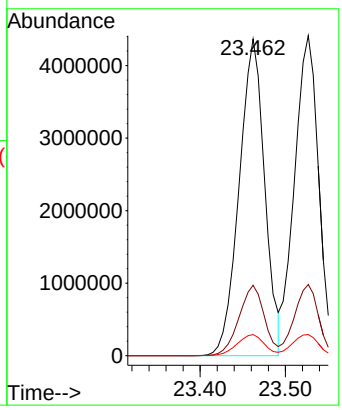




#88
Benzo(b)fluoranthene
Concen: 88.935 ng
RT: 23.462 min Scan# 34
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:252 Resp: 908349

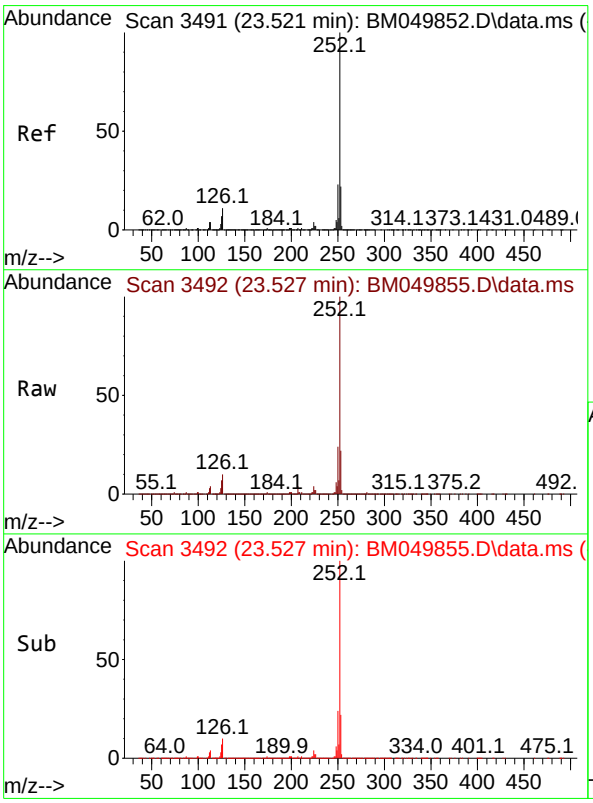
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	6.7	6.2	9.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

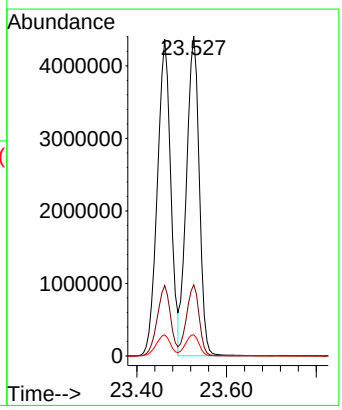
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

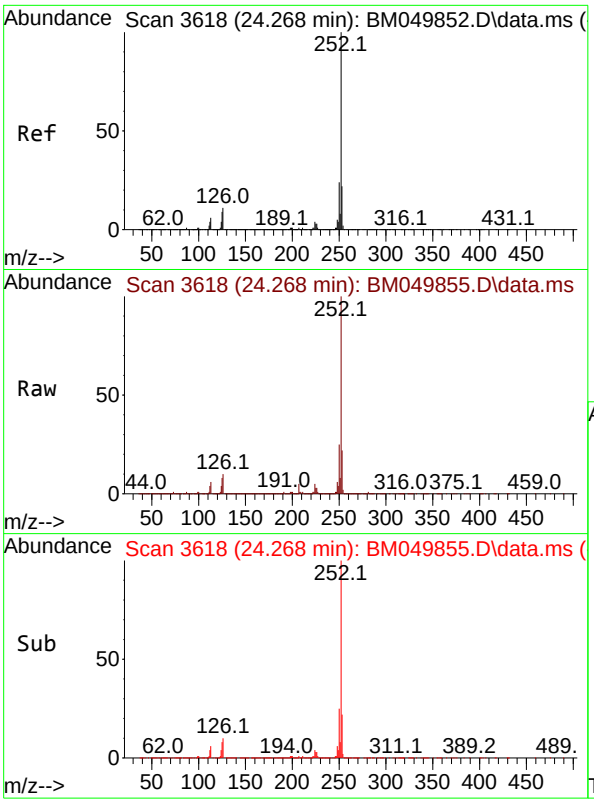


#89
Benzo(k)fluoranthene
Concen: 88.000 ng
RT: 23.527 min Scan# 3492
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:252 Resp: 8710029

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.2
125	6.6	5.8	8.8

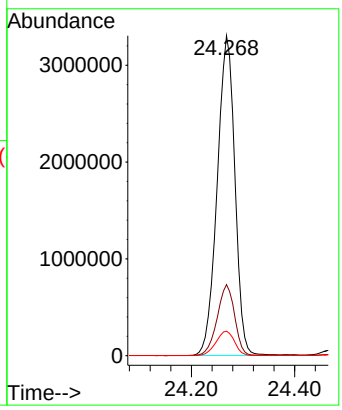




#90
Benzo(a)pyrene
Concen: 87.693 ng
RT: 24.268 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:252 Resp: 787045

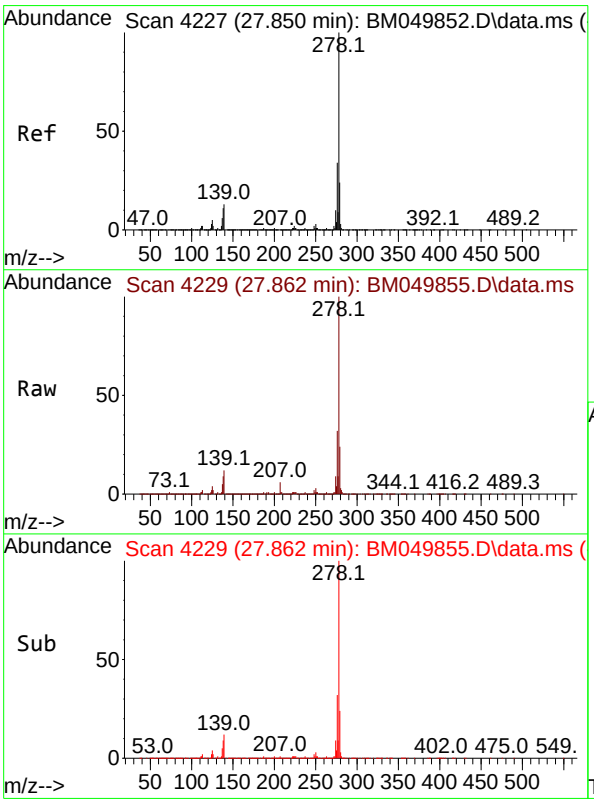
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8
125	7.6	7.0	10.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

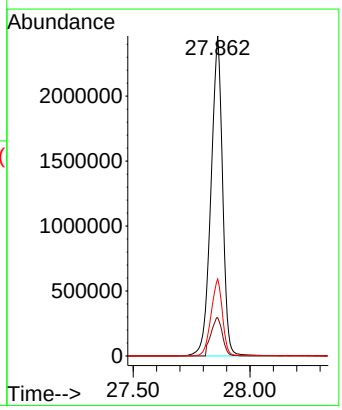
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

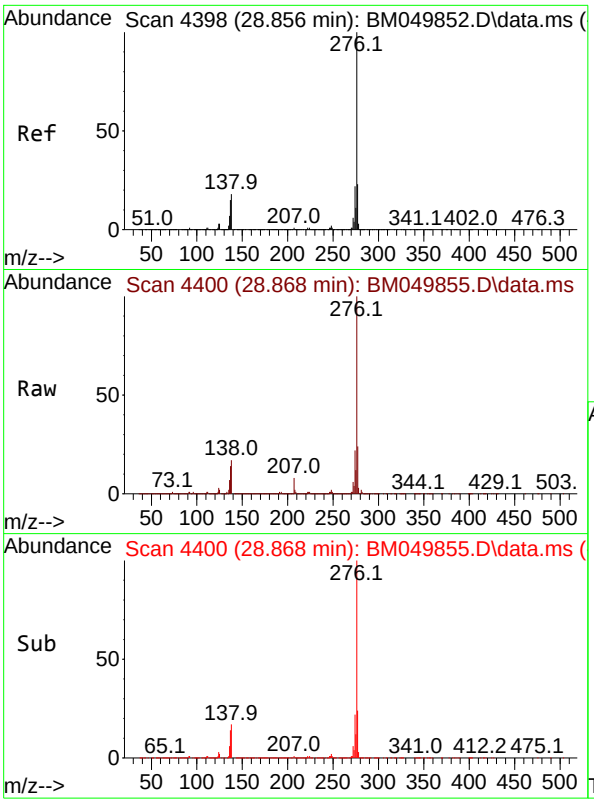


#91
Dibenzo(a,h)anthracene
Concen: 86.721 ng
RT: 27.862 min Scan# 4229
Delta R.T. 0.012 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:278 Resp: 8515147

Ion	Ratio	Lower	Upper
278	100		
139	11.9	10.6	15.8
279	24.1	19.1	28.7

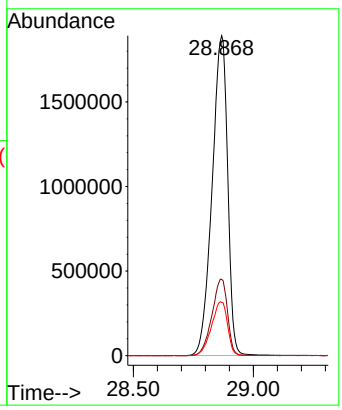




#92
Benzo(g,h,i)perylene
Concen: 84.674 ng
RT: 28.868 min Scan# 44
Delta R.T. 0.012 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:276 Resp: 849595

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.7	28.1
138	16.6	14.6	21.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

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

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049856.D
Acq On : 08 Apr 2025 20:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Quant Time: Apr 09 04:03:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.781	152	315403	20.000	ng	0.00
21) Naphthalene-d8	10.575	136	1065845	20.000	ng	0.00
39) Acenaphthene-d10	14.421	164	683720	20.000	ng	0.00
64) Phenanthrene-d10	17.162	188	1374499	20.000	ng	0.00
76) Chrysene-d12	21.403	240	1374864	20.000	ng	0.00
86) Perylene-d12	24.397	264	1454417	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1477323	79.537	ng	0.00
7) Phenol-d6	6.951	99	1843667	79.779	ng	0.00
23) Nitrobenzene-d5	8.934	82	1580621	82.580	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	830905	83.550	ng	0.00
45) 2-Fluorobiphenyl	13.039	172	4148227	82.271	ng	0.00
79) Terphenyl-d14	19.792	244	6672291	90.949	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.263	88	298756	39.056	ng	100
3) Pyridine	3.663	79	788453	39.231	ng	97
4) n-Nitrosodimethylamine	3.569	42	302128	39.502	ng	100
6) Aniline	7.104	93	824180	41.621	ng	99
8) 2-Chlorophenol	7.345	128	758833	39.865	ng	99
9) Benzaldehyde	6.916	77	479003	40.391	ng	97
10) Phenol	6.975	94	895478	39.708	ng	99
11) bis(2-Chloroethyl)ether	7.198	93	705217	39.877	ng	98
12) 1,3-Dichlorobenzene	7.669	146	897350	39.874	ng	98
13) 1,4-Dichlorobenzene	7.810	146	898553	39.681	ng	98
14) 1,2-Dichlorobenzene	8.128	146	855104	40.092	ng	99
15) Benzyl Alcohol	8.016	79	585871	40.260	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.304	45	787669	39.960	ng	99
17) 2-Methylphenol	8.222	107	557174	40.092	ng	99
18) Hexachloroethane	8.857	117	312580	39.677	ng	98
19) n-Nitroso-di-n-propyla...	8.586	70	525287	41.040	ng	99
20) 3+4-Methylphenols	8.551	107	760368	40.132	ng	98
22) Acetophenone	8.598	105	1065111	41.119	ng	99
24) Nitrobenzene	8.975	77	750719	40.732	ng	99
25) Isophorone	9.504	82	1319919	41.165	ng	99
26) 2-Nitrophenol	9.686	139	405206	41.481	ng	98
27) 2,4-Dimethylphenol	9.751	122	454139	41.022	ng	100
28) bis(2-Chloroethoxy)met...	9.986	93	877287	40.868	ng	99
29) 2,4-Dichlorophenol	10.222	162	759071	41.249	ng	99
30) 1,2,4-Trichlorobenzene	10.439	180	860242	40.409	ng	99
31) Naphthalene	10.622	128	2222571	40.582	ng	99
32) Benzoic acid	9.886	122	548954	41.427	ng	97
33) 4-Chloroaniline	10.728	127	815667	42.177	ng	98
34) Hexachlorobutadiene	10.916	225	535791	40.688	ng	98
35) Caprolactam	11.510	113	219136	41.519	ng	96
36) 4-Chloro-3-methylphenol	11.863	107	670620	41.604	ng	99
37) 2-Methylnaphthalene	12.239	142	1589046	41.181	ng	99
38) 1-Methylnaphthalene	12.457	142	1536235	40.865	ng	100
40) 1,2,4,5-Tetrachloroben...	12.610	216	974104	40.724	ng	99
41) Hexachlorocyclopentadiene	12.592	237	348434	41.571	ng	100
43) 2,4,6-Trichlorophenol	12.851	196	629554	41.361	ng	97

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049856.D
Acq On : 08 Apr 2025 20:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Quant Time: Apr 09 04:03:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.922	196	684953	41.410	ng	99
46) 1,1'-Biphenyl	13.251	154	2088758	41.097	ng	100
47) 2-Chloronaphthalene	13.292	162	1626662	40.719	ng	98
48) 2-Nitroaniline	13.492	65	386594	41.831	ng	96
49) Acenaphthylene	14.139	152	2404483	41.321	ng	100
50) Dimethylphthalate	13.880	163	2006252	41.593	ng	99
51) 2,6-Dinitrotoluene	13.992	165	430765	42.625	ng	99
52) Acenaphthene	14.486	154	1537342	41.534	ng	99
53) 3-Nitroaniline	14.321	138	430166	44.041	ng	96
54) 2,4-Dinitrophenol	14.527	184	261179	39.689	ng	97
55) Dibenzofuran	14.821	168	2572884	41.581	ng	99
56) 4-Nitrophenol	14.639	139	380237	43.685	ng	97
57) 2,4-Dinitrotoluene	14.780	165	588187	43.627	ng	99
58) Fluorene	15.468	166	2052408	41.729	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.051	232	604398	41.690	ng	99
60) Diethylphthalate	15.245	149	1935360	41.839	ng	100
61) 4-Chlorophenyl-phenyle...	15.463	204	1107114	41.984	ng	99
62) 4-Nitroaniline	15.486	138	445025	44.058	ng	99
63) Azobenzene	15.757	77	1658136	41.869	ng	99
65) 4,6-Dinitro-2-methylph...	15.545	198	355438	41.037	ng	97
66) n-Nitrosodiphenylamine	15.674	169	1689818	41.081	ng	99
67) 4-Bromophenyl-phenylether	16.357	248	654585	41.024	ng	98
68) Hexachlorobenzene	16.474	284	746406	40.782	ng	98
69) Atrazine	16.627	200	351283	32.937	ng	100
70) Pentachlorophenol	16.815	266	547416	40.626	ng	99
71) Phenanthrene	17.204	178	3110670	41.280	ng	100
72) Anthracene	17.298	178	3081134	41.490	ng	100
73) Carbazole	17.562	167	2897408	41.424	ng	100
74) Di-n-butylphthalate	18.133	149	3282090	40.739	ng	100
75) Fluoranthene	19.221	202	3829085	41.327	ng	99
77) Benzidine	19.403	184	690660	37.866	ng	99
78) Pyrene	19.586	202	3930574	41.482	ng	100
80) Butylbenzylphthalate	20.486	149	1452887	40.807	ng	97
81) Benzo(a)anthracene	21.386	228	3774940	41.314	ng	99
82) 3,3'-Dichlorobenzidine	21.303	252	1404639	40.707	ng	99
83) Chrysene	21.444	228	3564842	41.037	ng	99
84) Bis(2-ethylhexyl)phtha...	21.309	149	2130265	41.067	ng	99
85) Di-n-octyl phthalate	22.444	149	3614929	39.835	ng	100
87) Indeno(1,2,3-cd)pyrene	27.785	276	4377775	40.380	ng	100
88) Benzo(b)fluoranthene	23.456	252	3807278	40.988	ng	100
89) Benzo(k)fluoranthene	23.515	252	3640395	40.442	ng	99
90) Benzo(a)pyrene	24.262	252	3296735	40.389	ng	98
91) Dibenzo(a,h)anthracene	27.844	278	3588859	40.189	ng	100
92) Benzo(g,h,i)perylene	28.844	276	3657794	40.085	ng	100

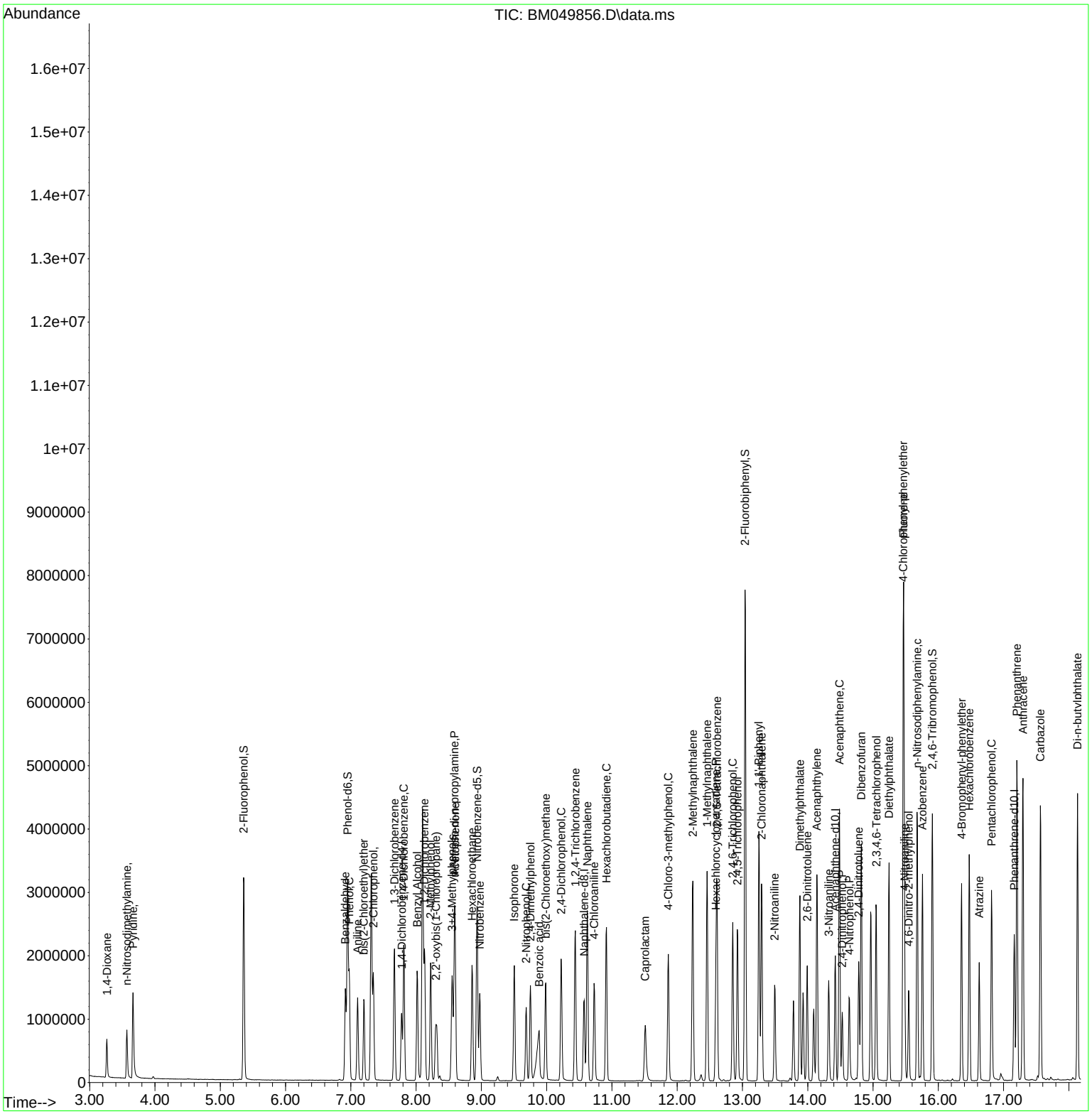
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049856.D
Acq On : 08 Apr 2025 20:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Quant Time: Apr 09 04:03:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

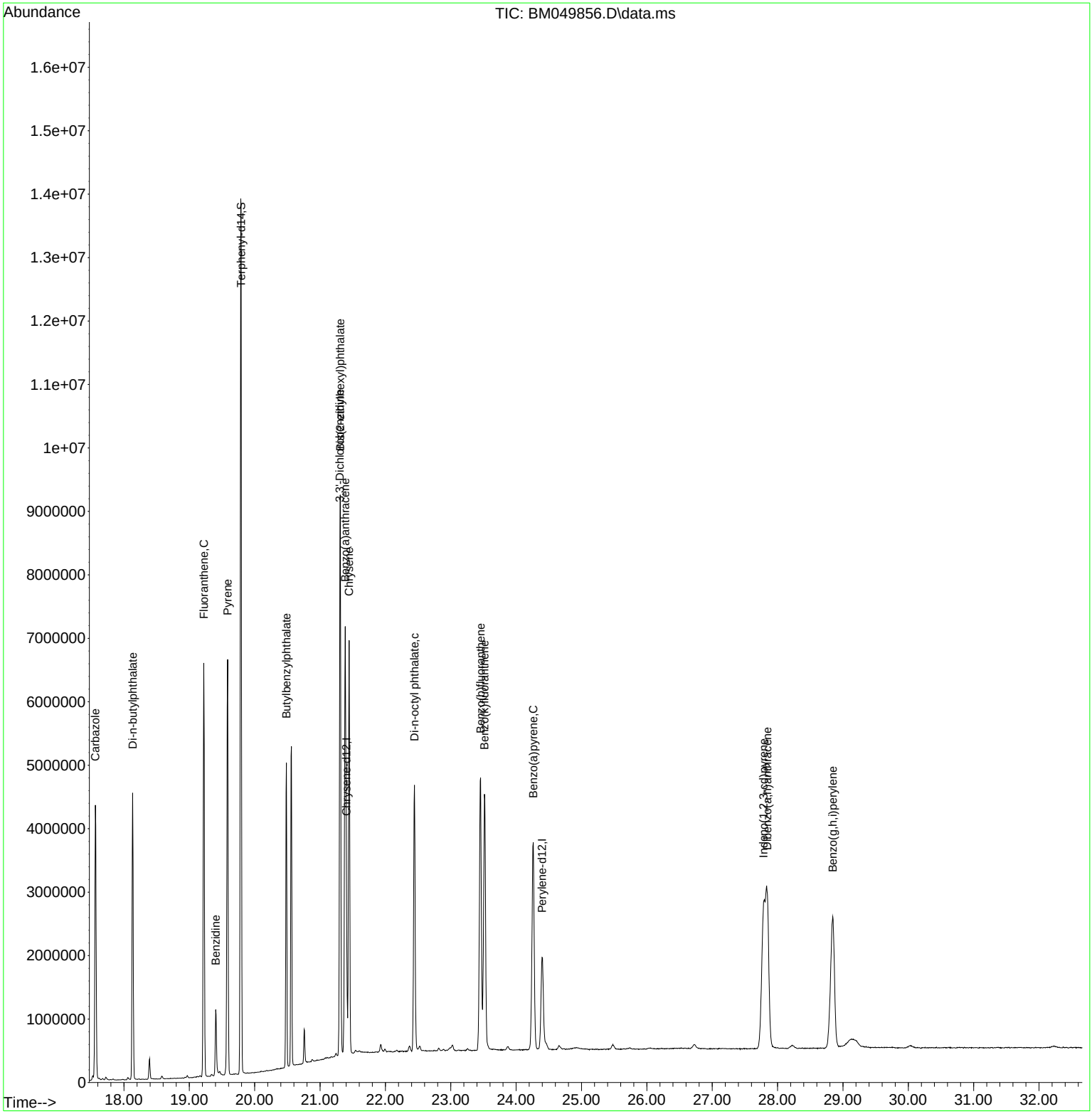


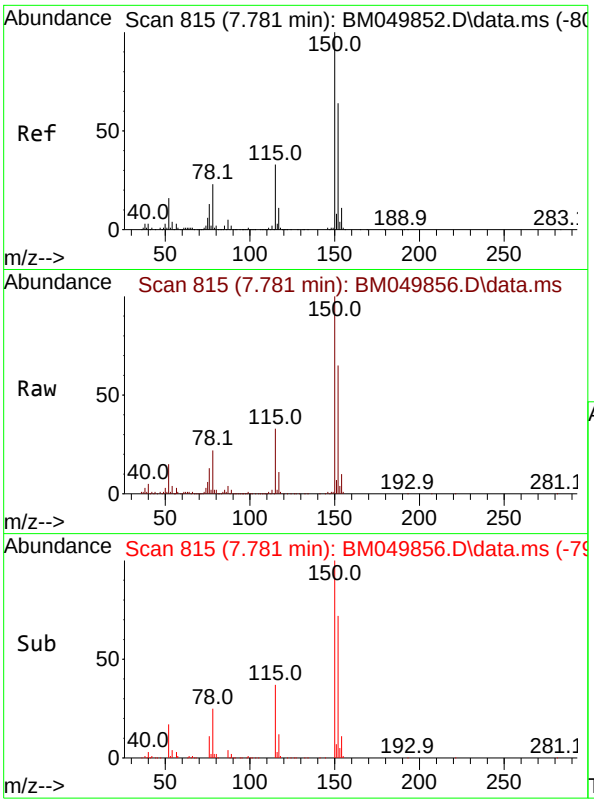
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049856.D
Acq On : 08 Apr 2025 20:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Quant Time: Apr 09 04:03:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration



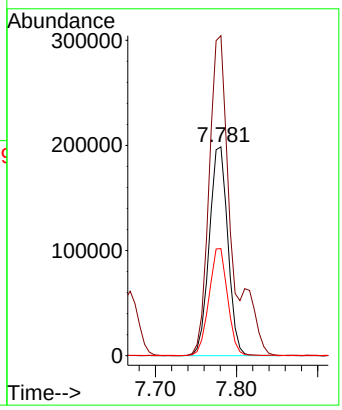


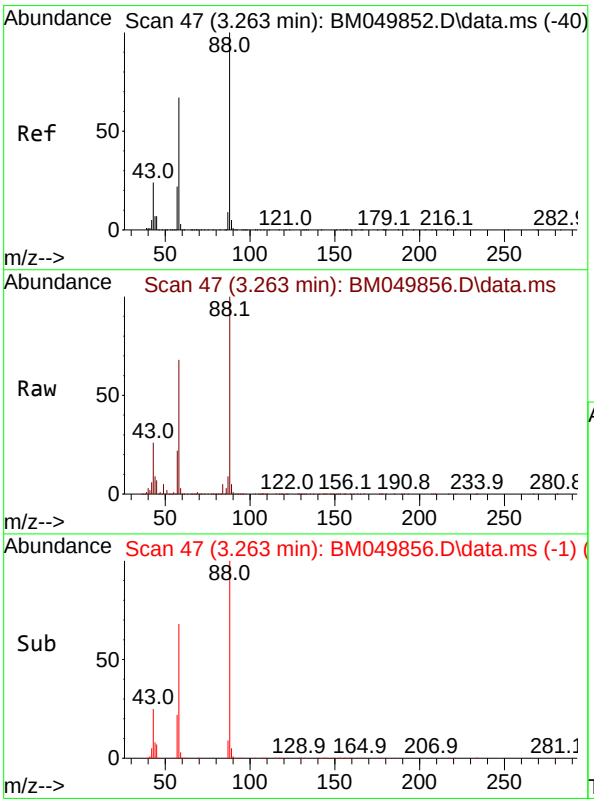
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.781 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:152 Resp: 315403

Ion	Ratio	Lower	Upper
152	100		
150	153.3	124.3	186.5
115	51.3	41.1	61.7

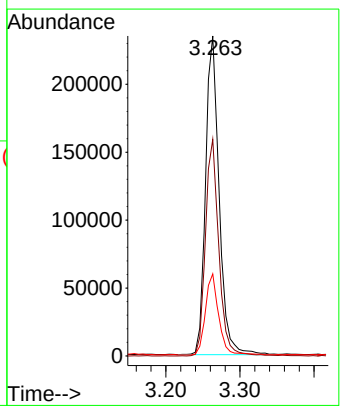


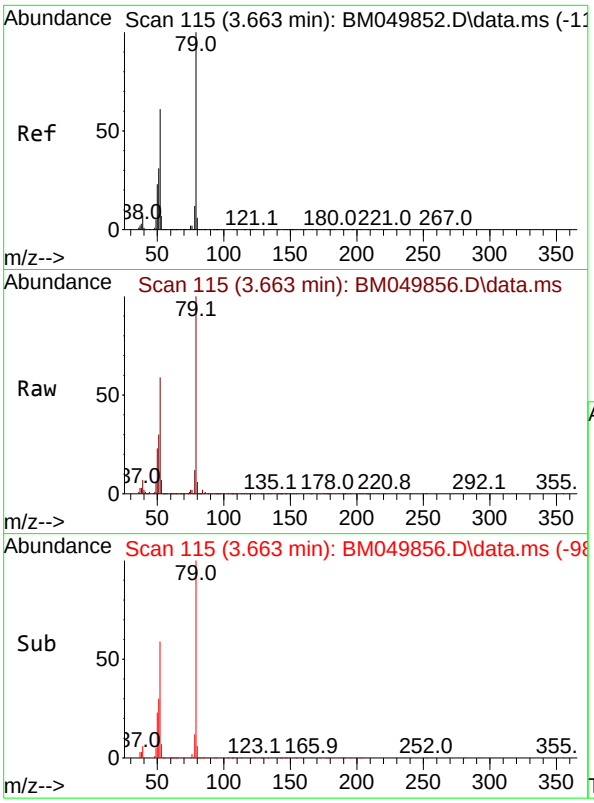


#2
1,4-Dioxane
Concen: 39.056 ng
RT: 3.263 min Scan# 47
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion: 88 Resp: 298756

Ion	Ratio	Lower	Upper
88	100		
58	67.4	54.1	81.1
43	24.8	20.2	30.4



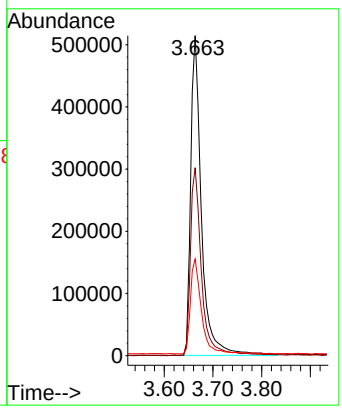


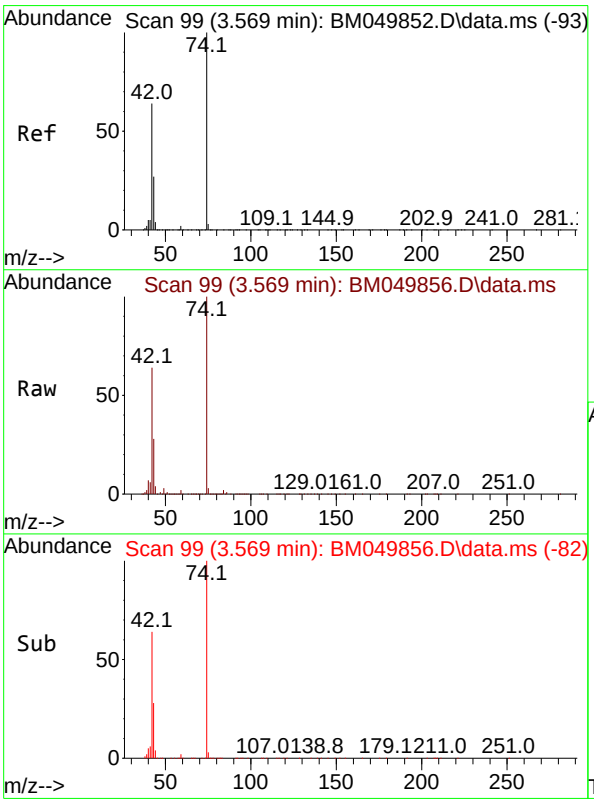
#3
Pyridine
Concen: 39.231 ng
RT: 3.663 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion: 79 Resp: 788453

Ion	Ratio	Lower	Upper
79	100		
52	58.8	48.9	73.3
51	30.2	25.0	37.6

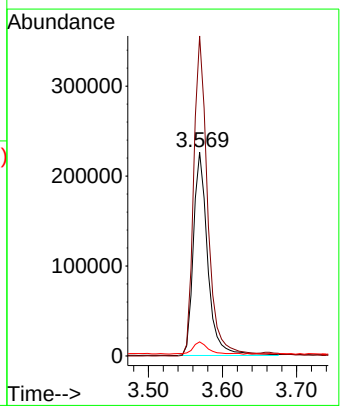


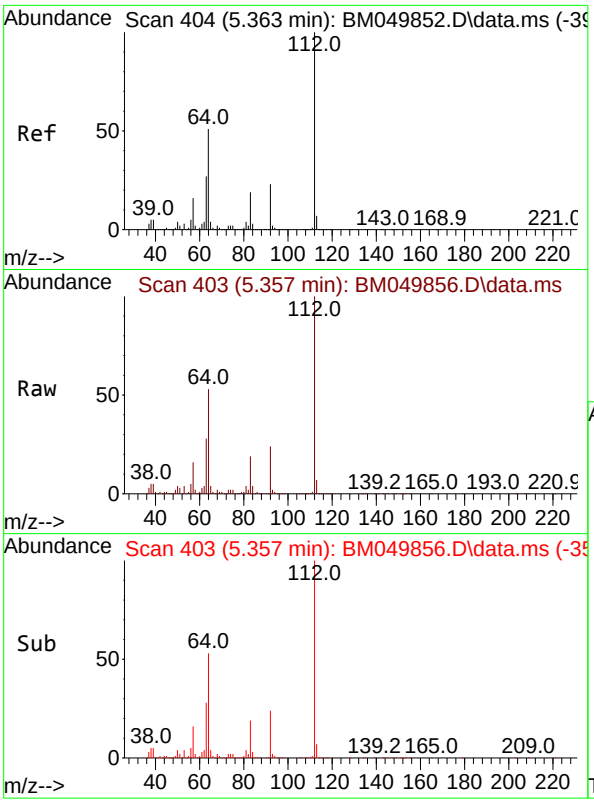


#4
n-Nitrosodimethylamine
Concen: 39.502 ng
RT: 3.569 min Scan# 99
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion: 42 Resp: 302128

Ion	Ratio	Lower	Upper
42	100		
74	157.1	125.4	188.2
44	6.9	5.9	8.9



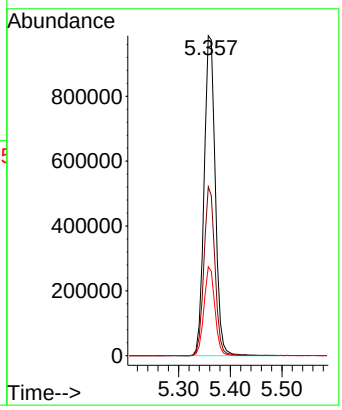


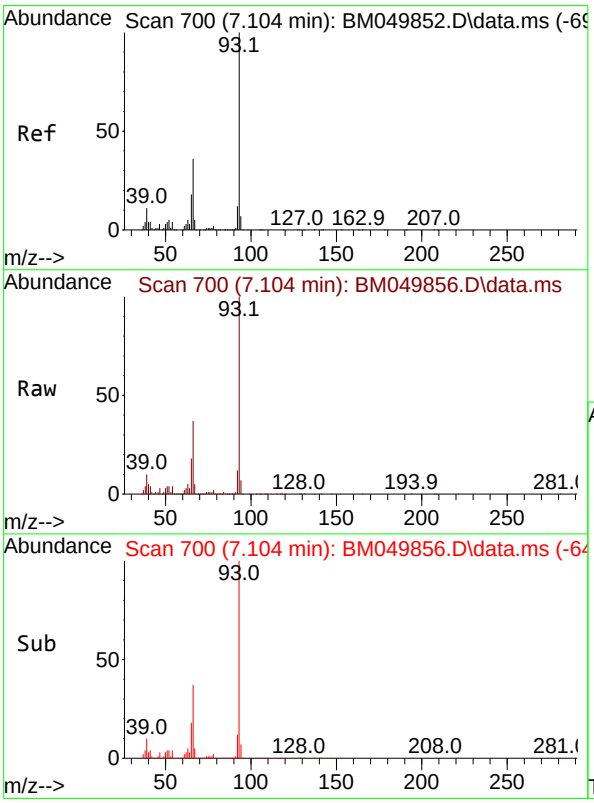
#5
2-Fluorophenol
Concen: 79.537 ng
RT: 5.357 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:112 Resp: 1477323

Ion	Ratio	Lower	Upper
112	100		
64	52.8	41.0	61.6
63	27.8	21.5	32.3

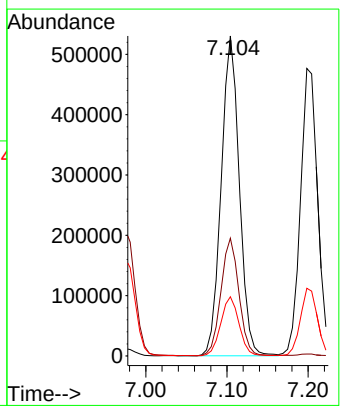


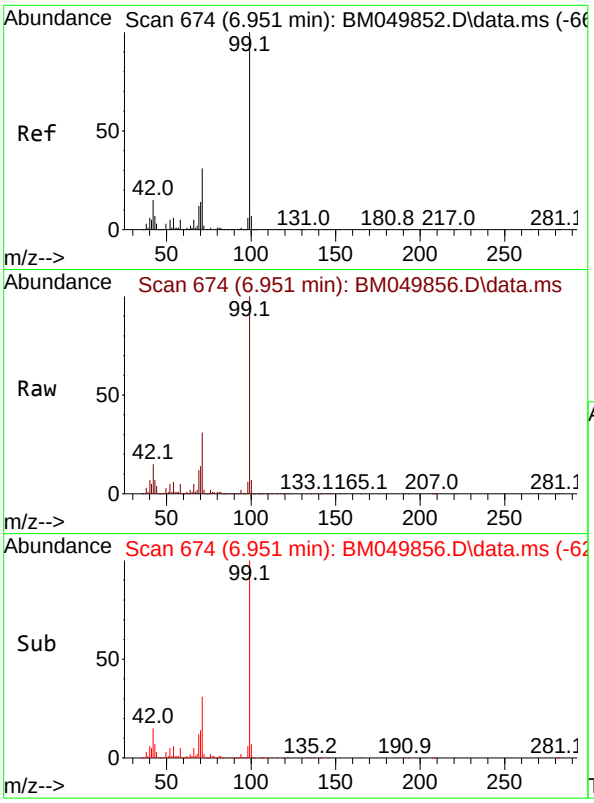


#6
Aniline
Concen: 41.621 ng
RT: 7.104 min Scan# 700
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion: 93 Resp: 824180

Ion	Ratio	Lower	Upper
93	100		
66	36.8	29.1	43.7
65	18.5	14.9	22.3



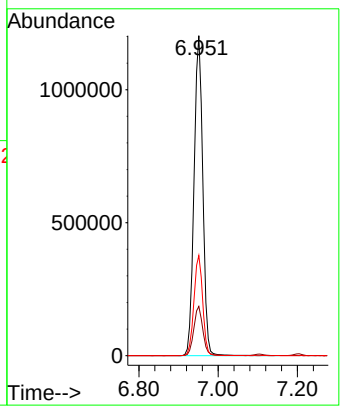


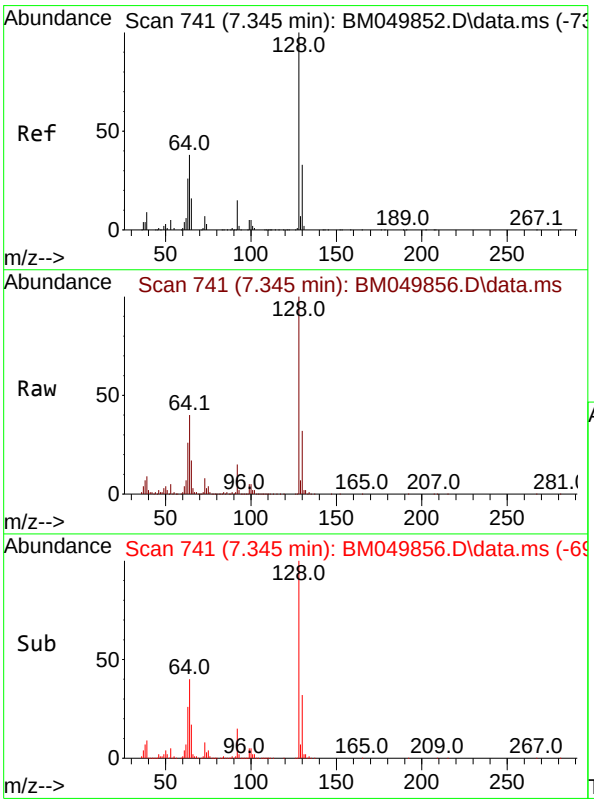
#7
Phenol-d6
Concen: 79.779 ng
RT: 6.951 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion: 99 Resp: 1843667

Ion	Ratio	Lower	Upper
99	100		
42	15.4	12.1	18.1
71	31.3	24.9	37.3

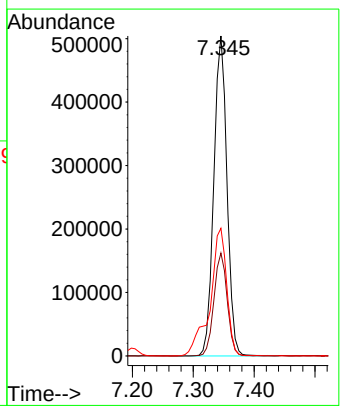


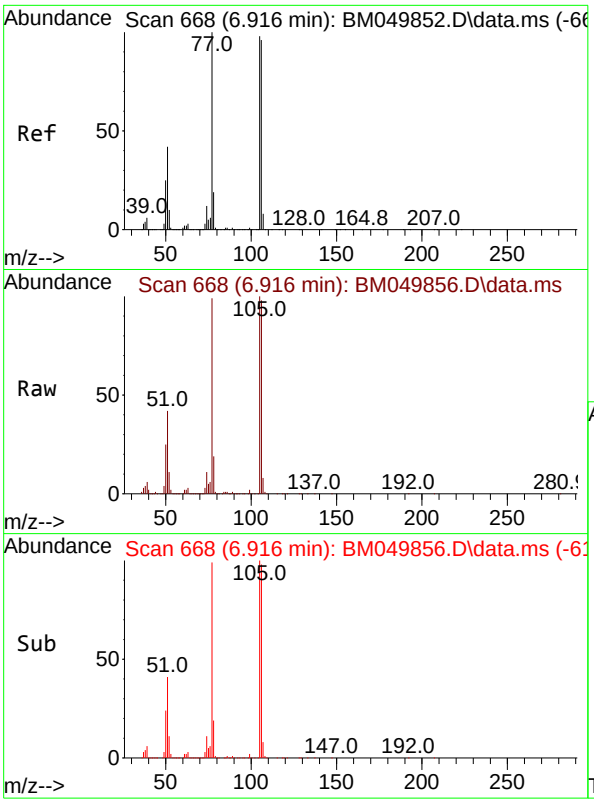


#8
2-Chlorophenol
Concen: 39.865 ng
RT: 7.345 min Scan# 741
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:128 Resp: 758833

Ion	Ratio	Lower	Upper
128	100		
130	32.1	12.6	52.6
64	39.9	21.1	61.1



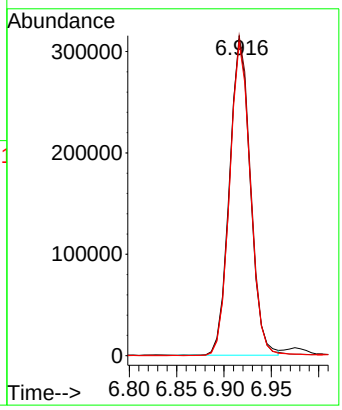


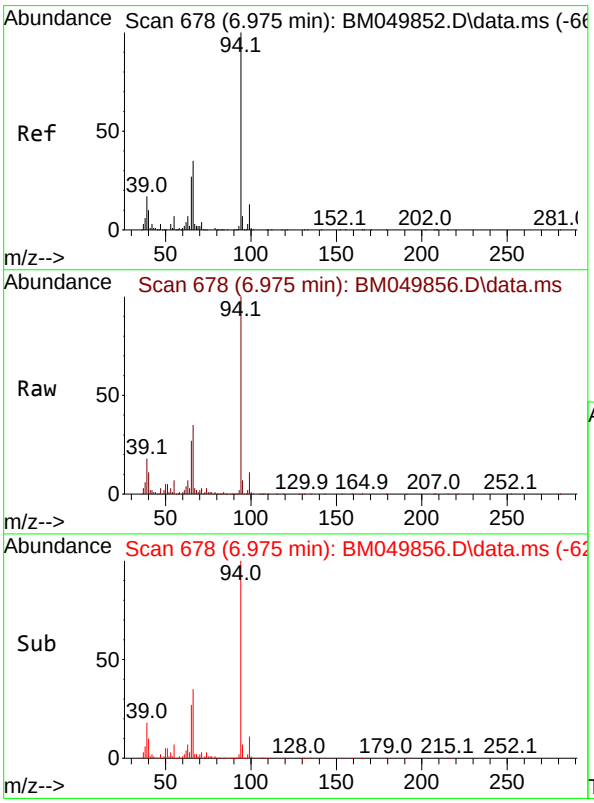
#9
Benzaldehyde
Concen: 40.391 ng
RT: 6.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion: 77 Resp: 479003

Ion	Ratio	Lower	Upper
77	100		
105	101.0	78.3	118.3
106	98.9	76.0	116.0

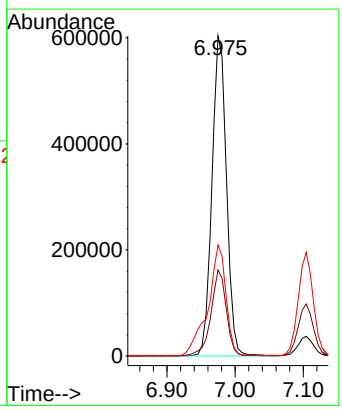


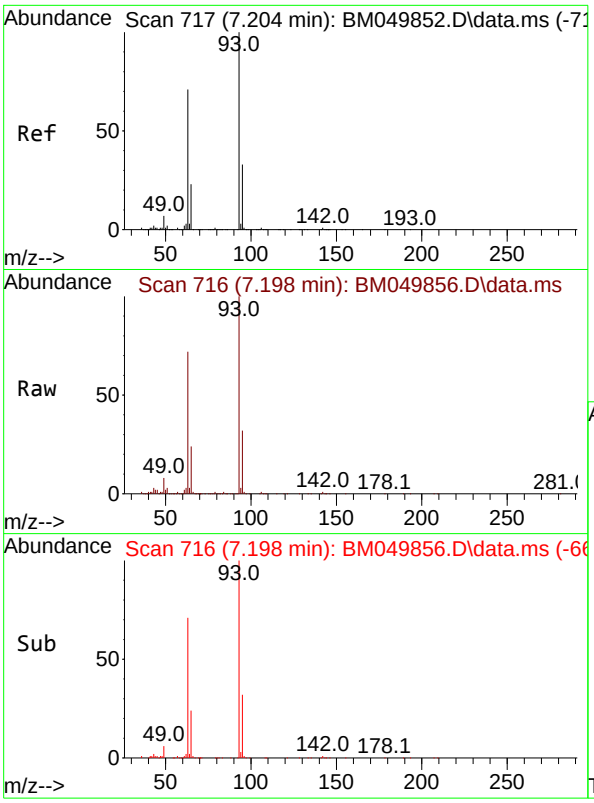


#10
Phenol
Concen: 39.708 ng
RT: 6.975 min Scan# 678
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion: 94 Resp: 895478

Ion	Ratio	Lower	Upper
94	100		
65	26.8	7.3	47.3
66	34.6	14.8	54.8



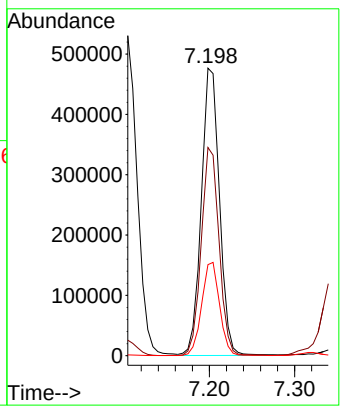


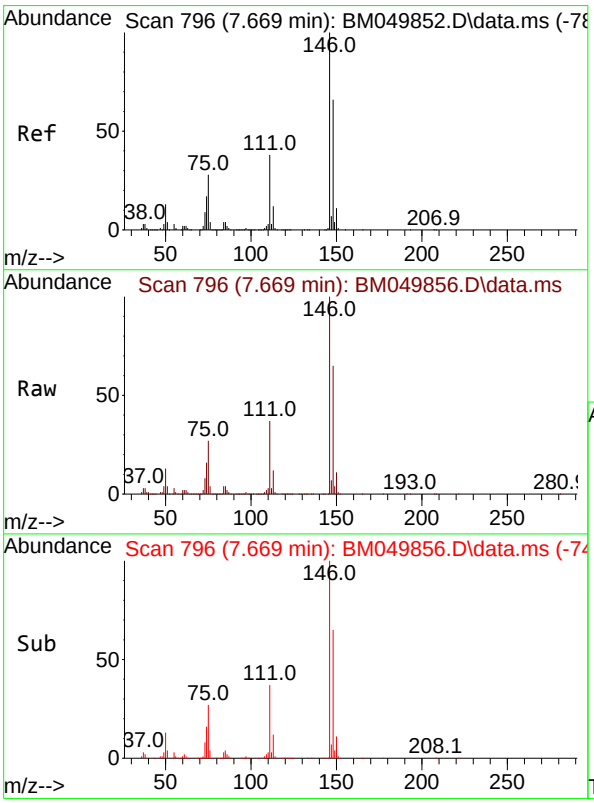
#11
bis(2-Chloroethyl)ether
Concen: 39.877 ng
RT: 7.198 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion: 93 Resp: 705217

Ion	Ratio	Lower	Upper
93	100		
63	72.4	50.9	90.9
95	31.6	12.6	52.6

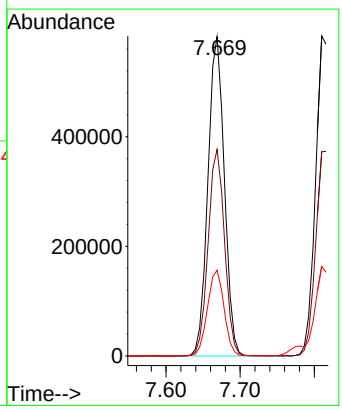


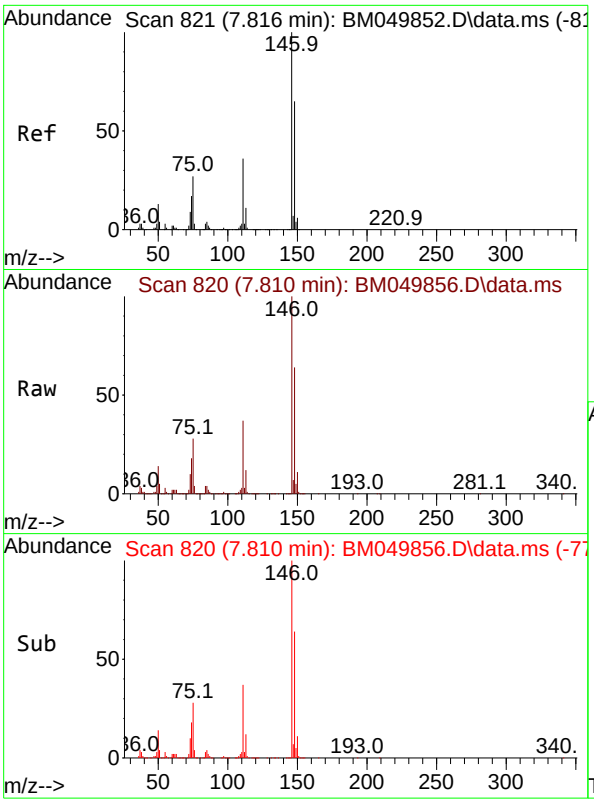


#12
1,3-Dichlorobenzene
Concen: 39.874 ng
RT: 7.669 min Scan# 796
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:146 Resp: 897350

Ion	Ratio	Lower	Upper
146	100		
148	64.7	52.5	78.7
75	26.8	22.5	33.7



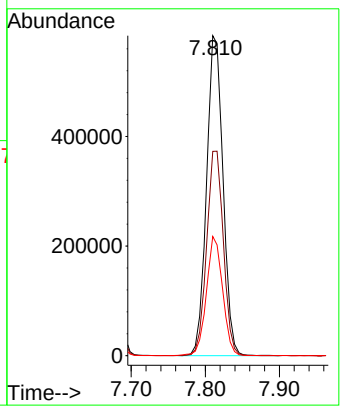


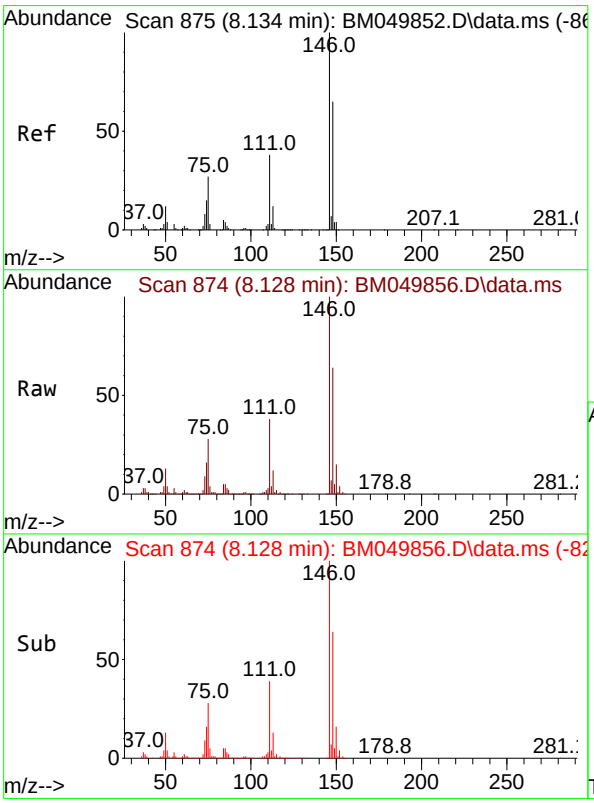
#13
1,4-Dichlorobenzene
Concen: 39.681 ng
RT: 7.810 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:146 Resp: 898553

Ion	Ratio	Lower	Upper
146	100		
148	63.8	52.4	78.6
111	37.3	28.5	42.7

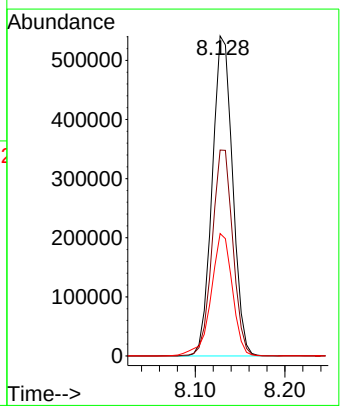


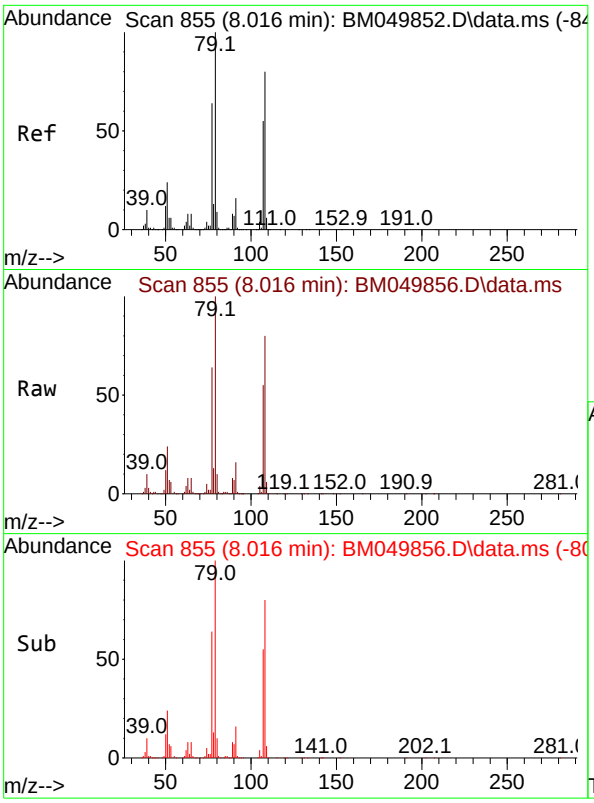


#14
1,2-Dichlorobenzene
Concen: 40.092 ng
RT: 8.128 min Scan# 874
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:146 Resp: 855104

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.8	77.8
111	38.2	30.2	45.4



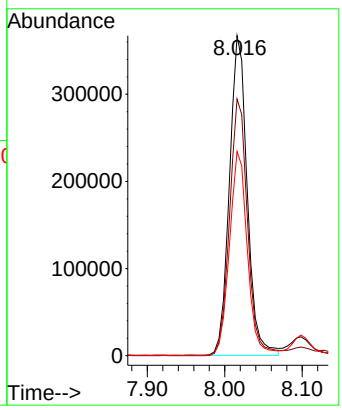


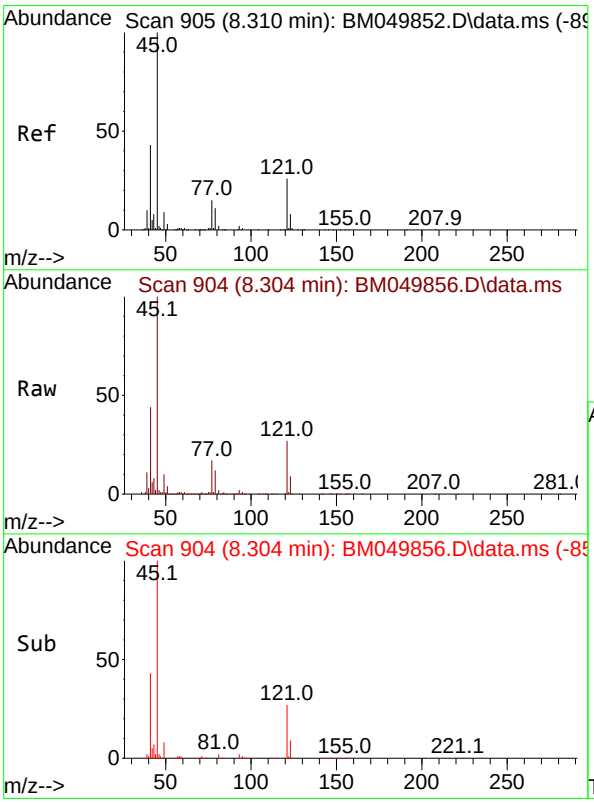
#15
Benzyl Alcohol
Concen: 40.260 ng
RT: 8.016 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion: 79 Resp: 585871

Ion	Ratio	Lower	Upper
79	100		
108	80.2	63.6	95.4
77	63.8	51.3	76.9

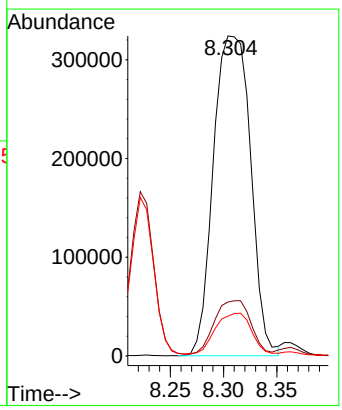


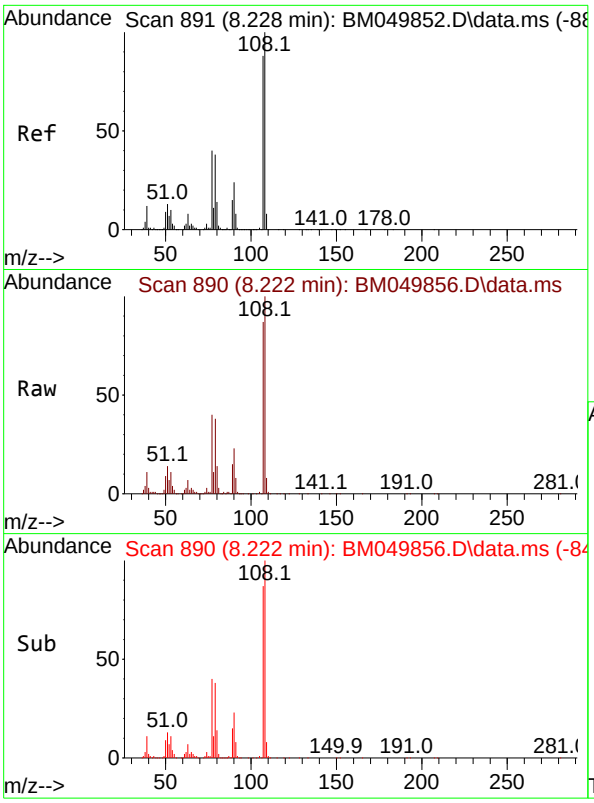


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.960 ng
RT: 8.304 min Scan# 904
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion: 45 Resp: 787669

Ion	Ratio	Lower	Upper
45	100		
77	16.9	0.0	36.9
79	12.5	0.0	32.9



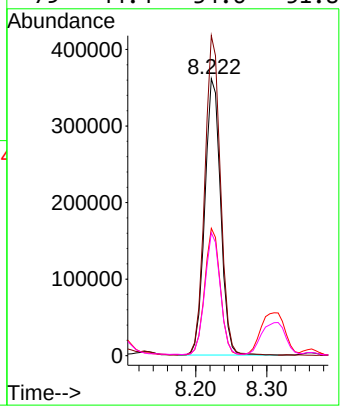


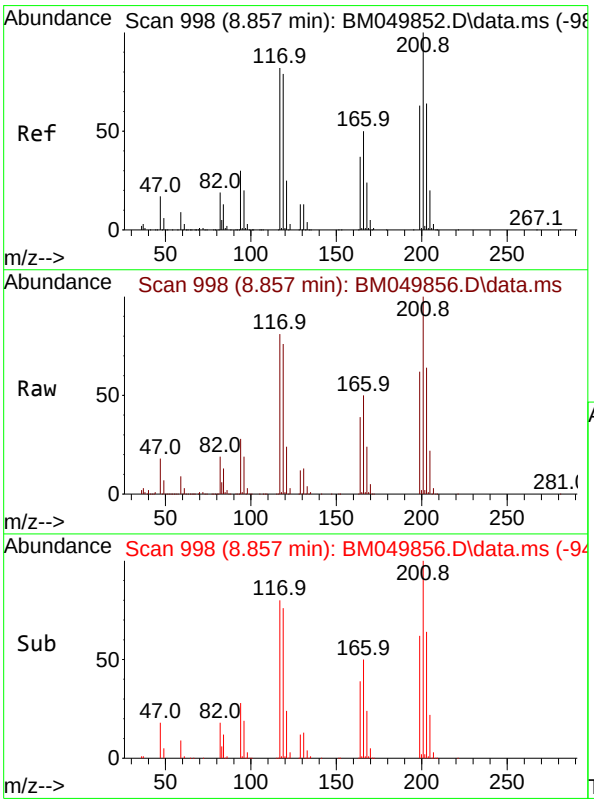
#17
2-Methylphenol
Concen: 40.092 ng
RT: 8.222 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:107 Resp: 557174

Ion	Ratio	Lower	Upper
107	100		
108	115.5	91.0	136.6
77	46.0	36.5	54.7
79	44.4	34.6	51.8

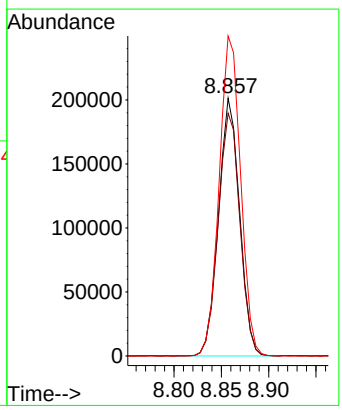


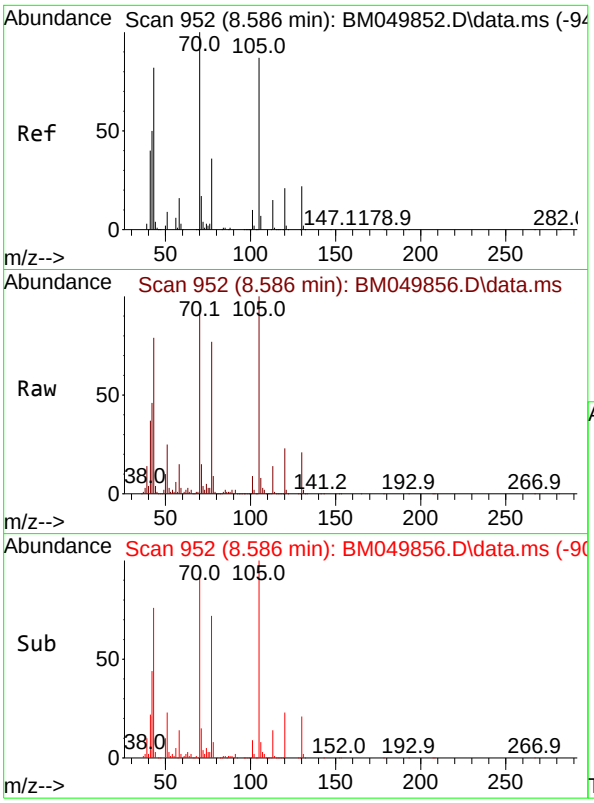


#18
Hexachloroethane
Concen: 39.677 ng
RT: 8.857 min Scan# 998
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:117 Resp: 312580

Ion	Ratio	Lower	Upper
117	100		
119	94.2	77.5	116.3
201	124.2	97.7	146.5



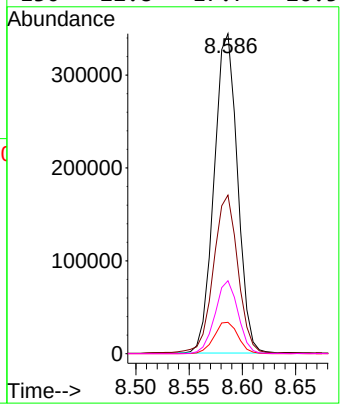


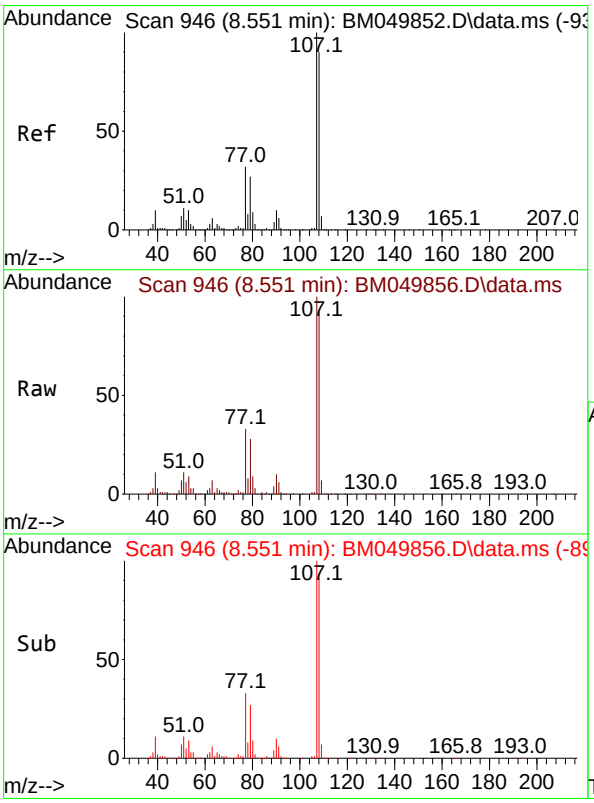
#19
n-Nitroso-di-n-propylamine
Concen: 41.040 ng
RT: 8.586 min Scan# 9
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion: 70 Resp: 525287

Ion	Ratio	Lower	Upper
70	100		
42	49.6	40.2	60.2
101	9.8	7.9	11.9
130	22.8	17.7	26.5

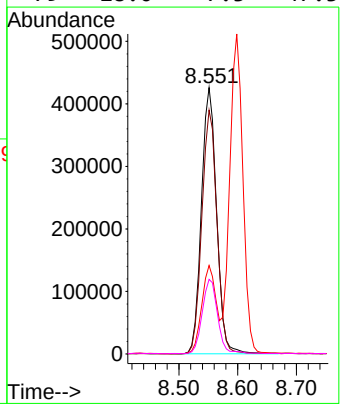


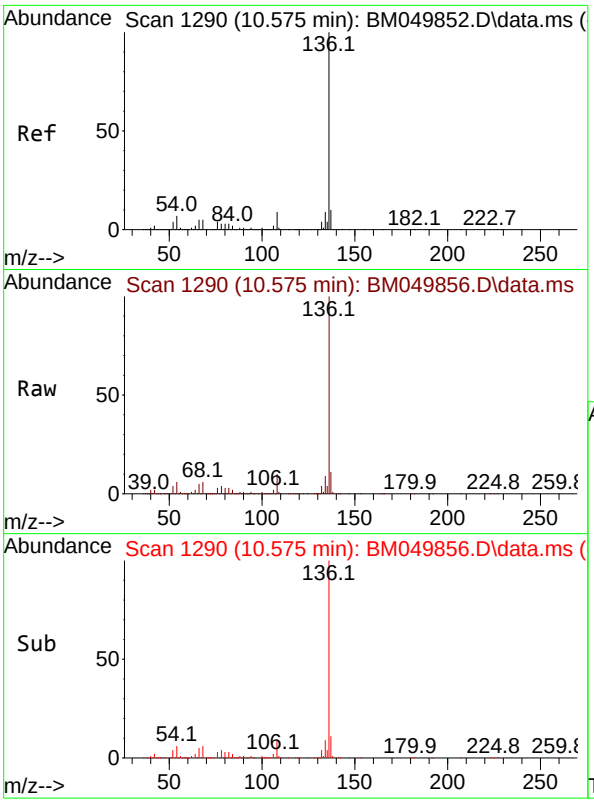


#20
3+4-Methylphenols
Concen: 40.132 ng
RT: 8.551 min Scan# 946
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:107 Resp: 760368

Ion	Ratio	Lower	Upper
107	100		
108	91.5	69.6	109.6
77	33.2	11.7	51.7
79	28.0	7.3	47.3



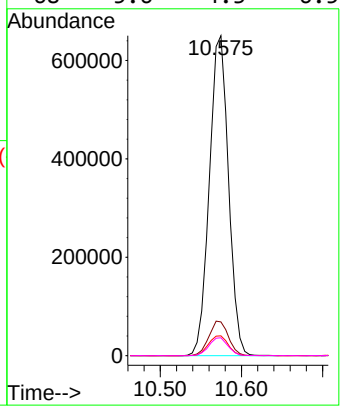


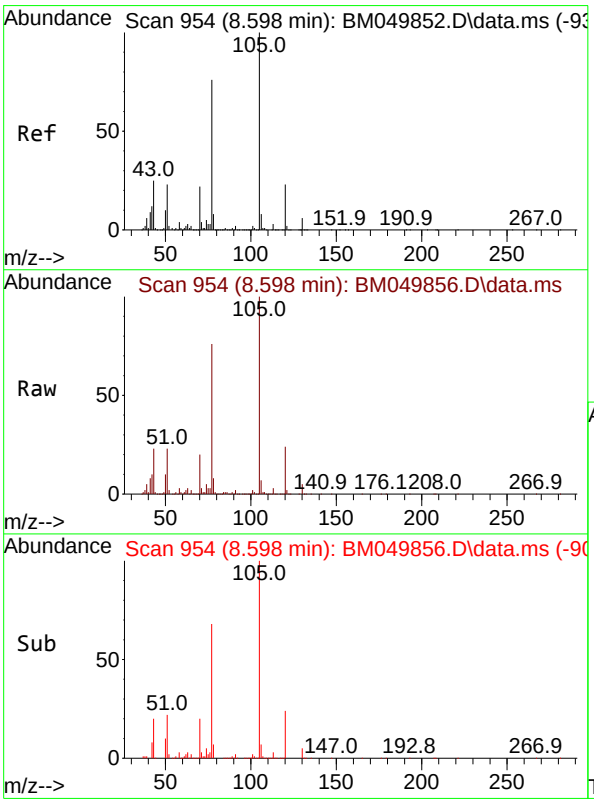
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.575 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:136 Resp: 1065845

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.4	12.6
54	6.2	5.3	7.9
68	5.6	4.3	6.5

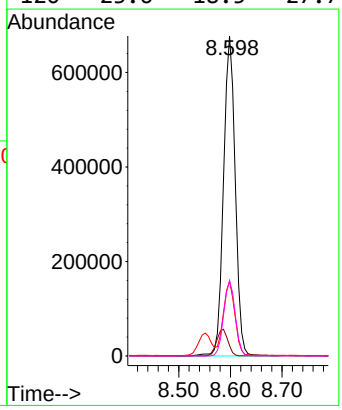


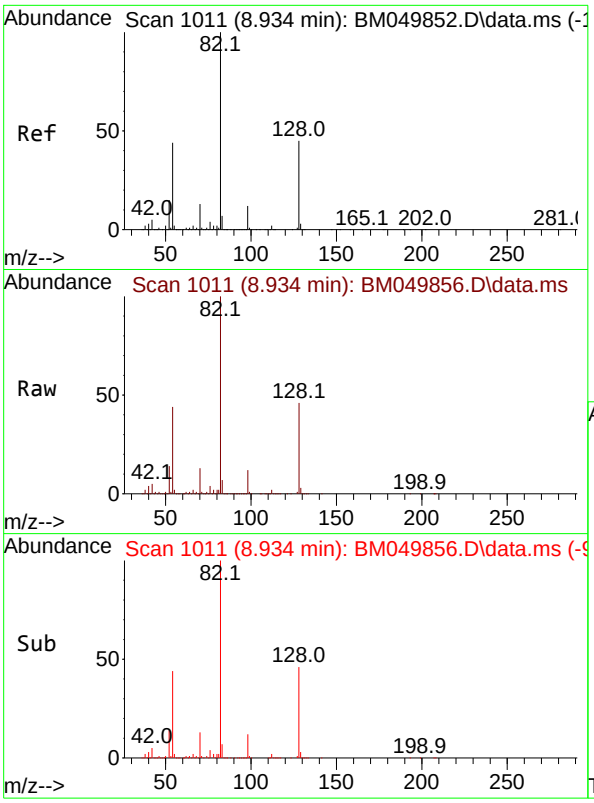


#22
Acetophenone
Concen: 41.119 ng
RT: 8.598 min Scan# 954
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:105 Resp: 1065111

Ion	Ratio	Lower	Upper
105	100		
71	3.2	3.0	4.4
51	23.4	18.6	27.8
120	23.6	18.5	27.7



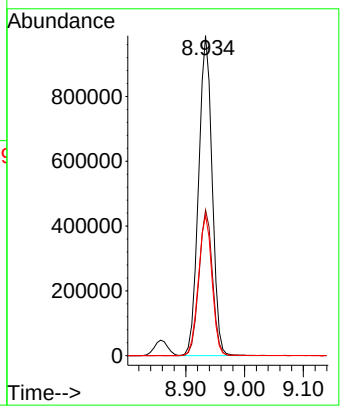


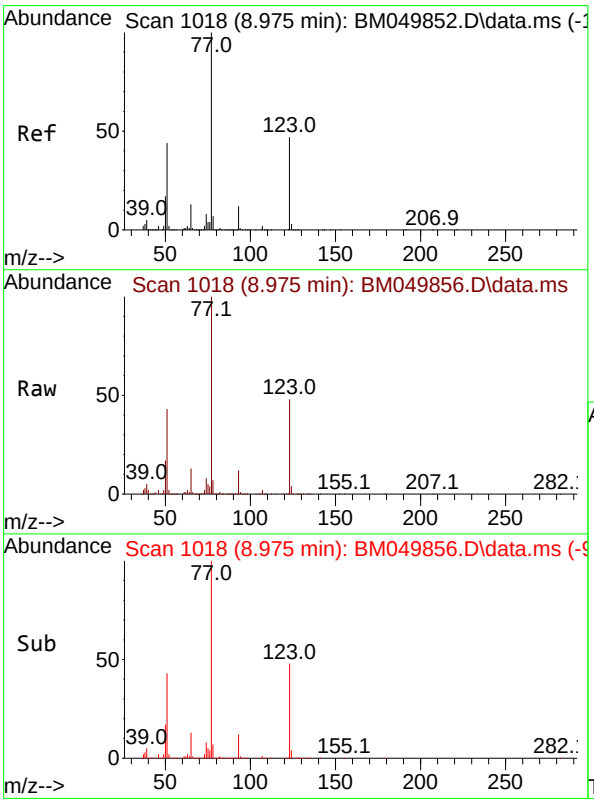
#23
Nitrobenzene-d5
Concen: 82.580 ng
RT: 8.934 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion: 82 Resp: 1580621

Ion	Ratio	Lower	Upper
82	100		
128	45.6	36.2	54.2
54	43.8	35.0	52.6

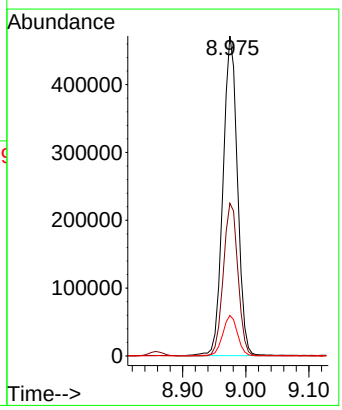


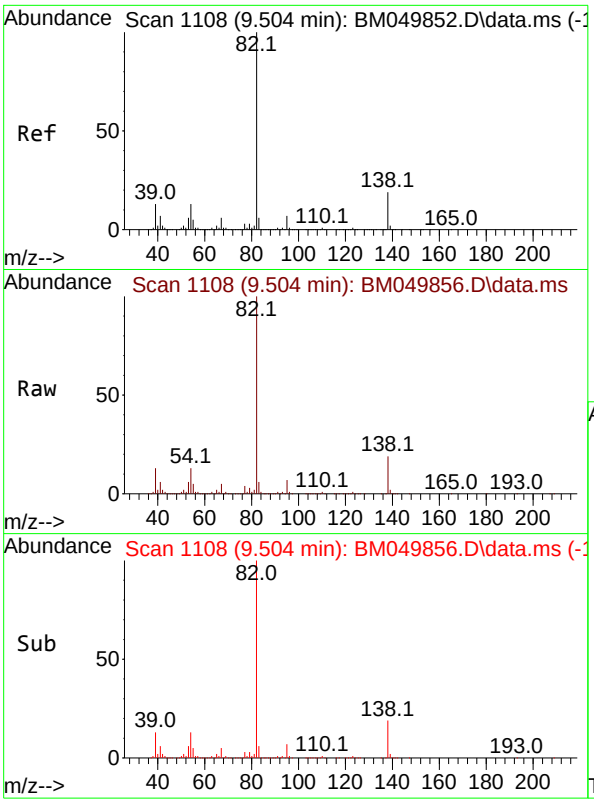


#24
Nitrobenzene
Concen: 40.732 ng
RT: 8.975 min Scan# 1018
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion: 77 Resp: 750719

Ion	Ratio	Lower	Upper
77	100		
123	47.7	37.4	56.2
65	12.7	10.1	15.1



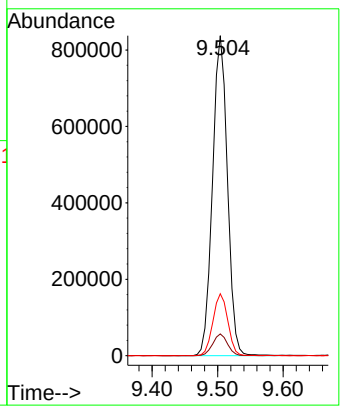


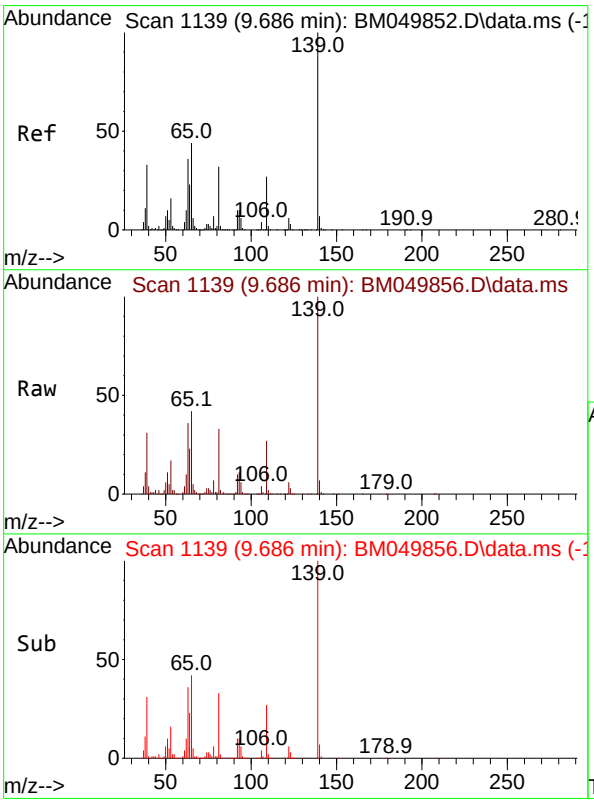
#25
Isophorone
Concen: 41.165 ng
RT: 9.504 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion: 82 Resp: 1319919

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.4	8.2
138	19.3	15.0	22.6

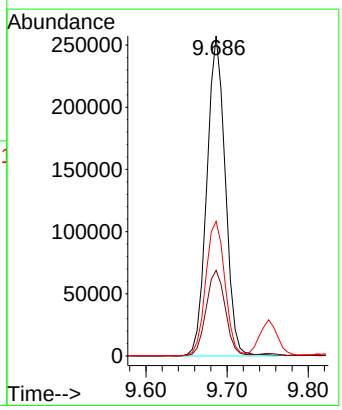


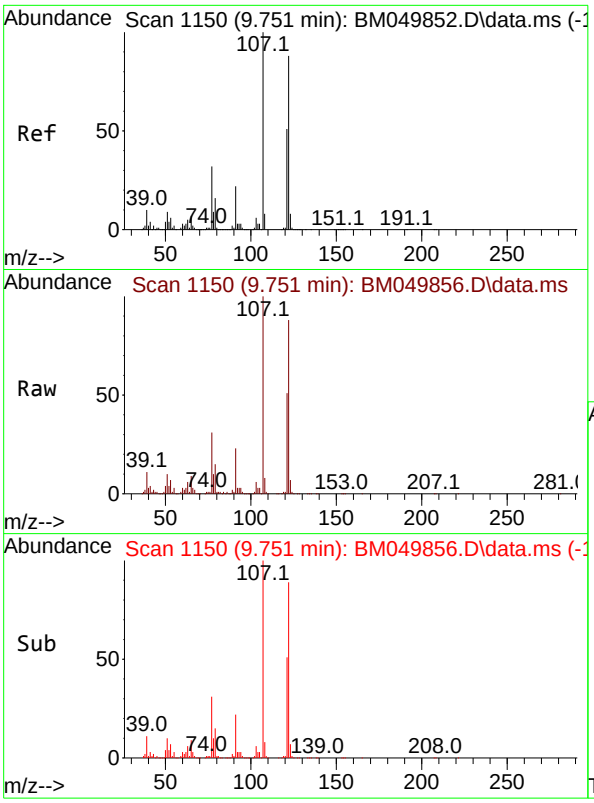


#26
2-Nitrophenol
Concen: 41.481 ng
RT: 9.686 min Scan# 1139
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:139 Resp: 405206

Ion	Ratio	Lower	Upper
139	100		
109	26.7	21.7	32.5
65	42.0	35.2	52.8



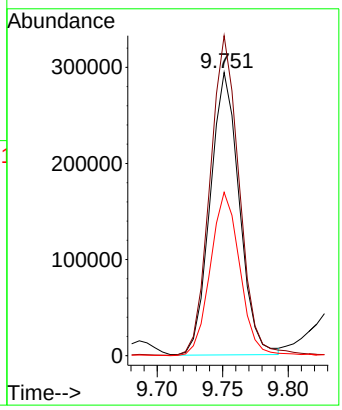


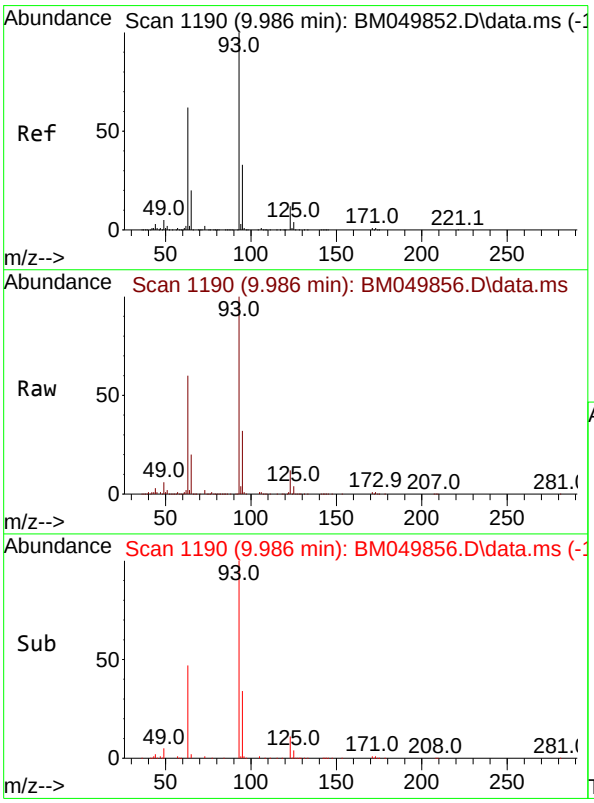
#27
2,4-Dimethylphenol
Concen: 41.022 ng
RT: 9.751 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:122 Resp: 454139

Ion	Ratio	Lower	Upper
122	100		
107	113.0	90.3	135.5
121	57.7	46.1	69.1

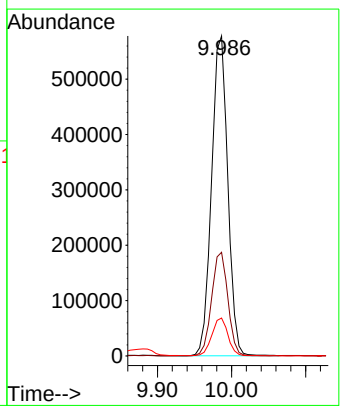


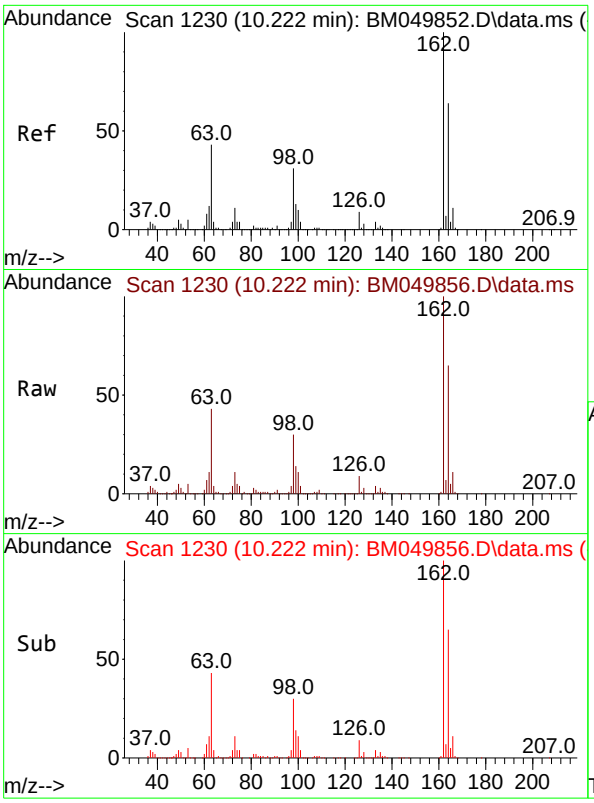


#28
bis(2-Chloroethoxy)methane
Concen: 40.868 ng
RT: 9.986 min Scan# 1190
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion: 93 Resp: 877287

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.6	40.0
123	11.9	9.5	14.3



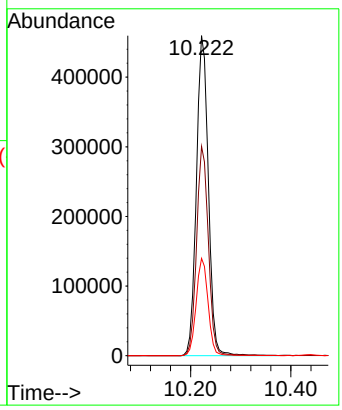


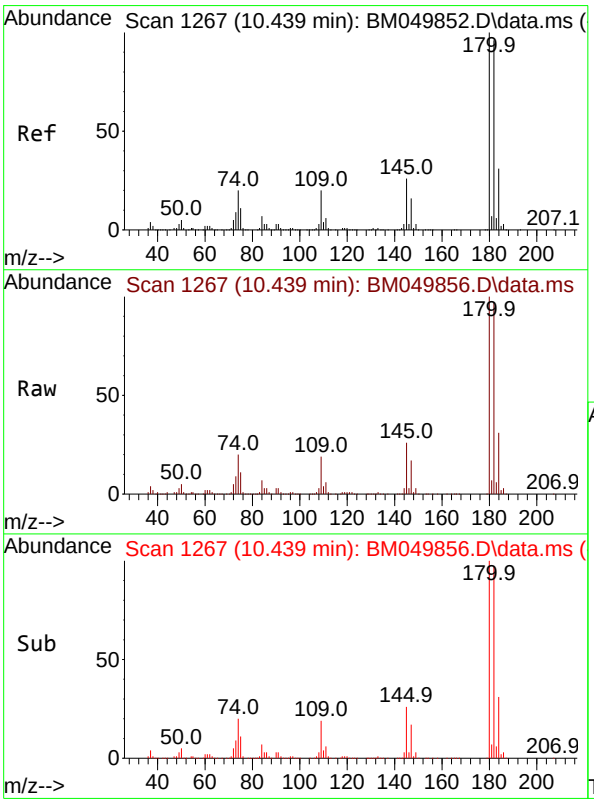
#29
2,4-Dichlorophenol
Concen: 41.249 ng
RT: 10.222 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:162 Resp: 759071

Ion	Ratio	Lower	Upper
162	100		
164	65.4	44.3	84.3
98	30.4	10.9	50.9

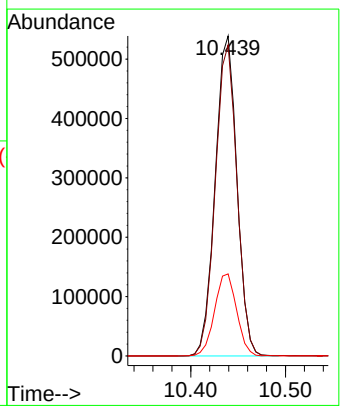


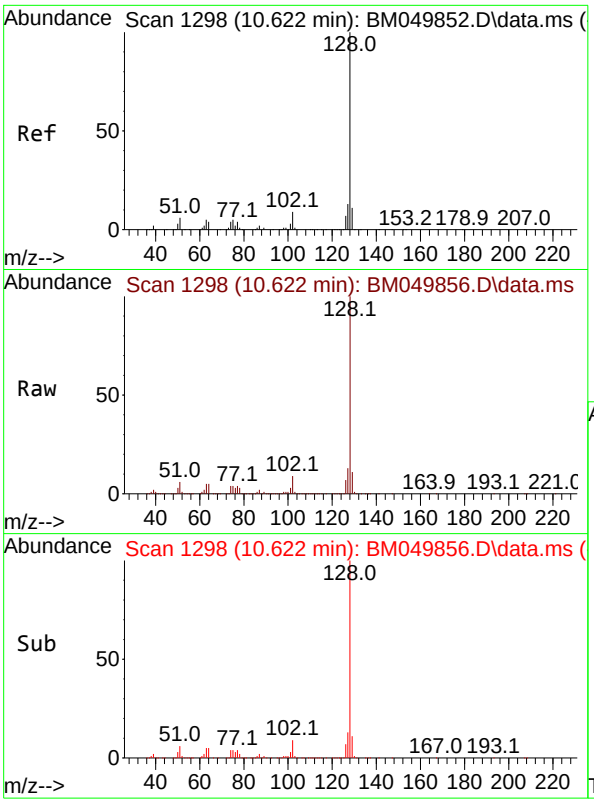


#30
1,2,4-Trichlorobenzene
Concen: 40.409 ng
RT: 10.439 min Scan# 1267
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:180 Resp: 860242

Ion	Ratio	Lower	Upper
180	100		
182	97.2	76.7	115.1
145	25.7	20.8	31.2



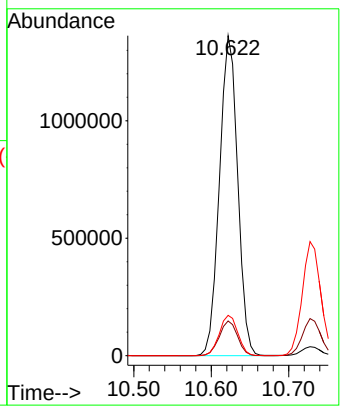


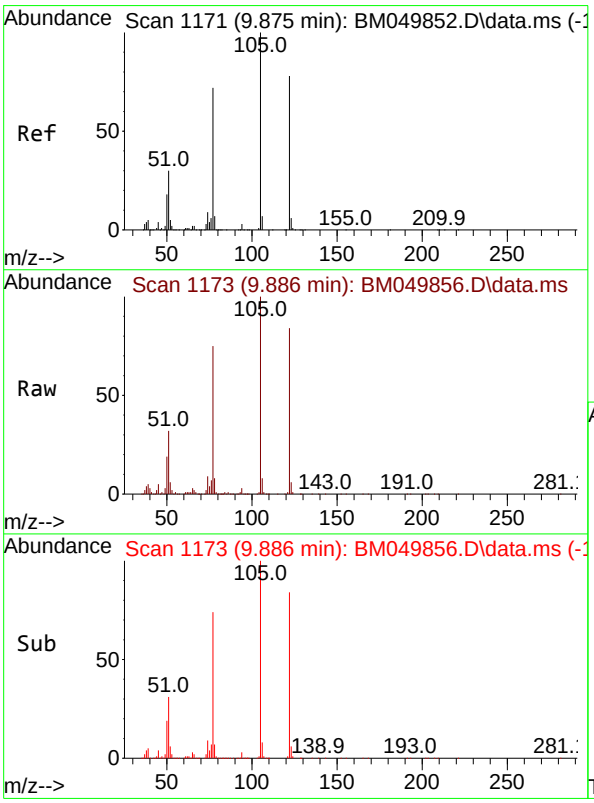
#31
Naphthalene
Concen: 40.582 ng
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:128 Resp: 2222571

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	12.6	10.6	15.8

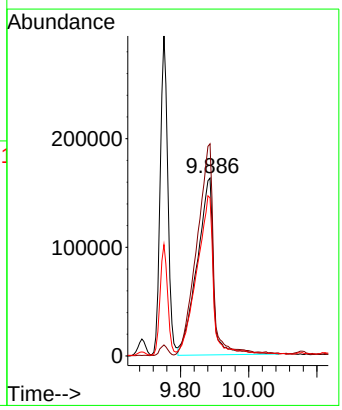


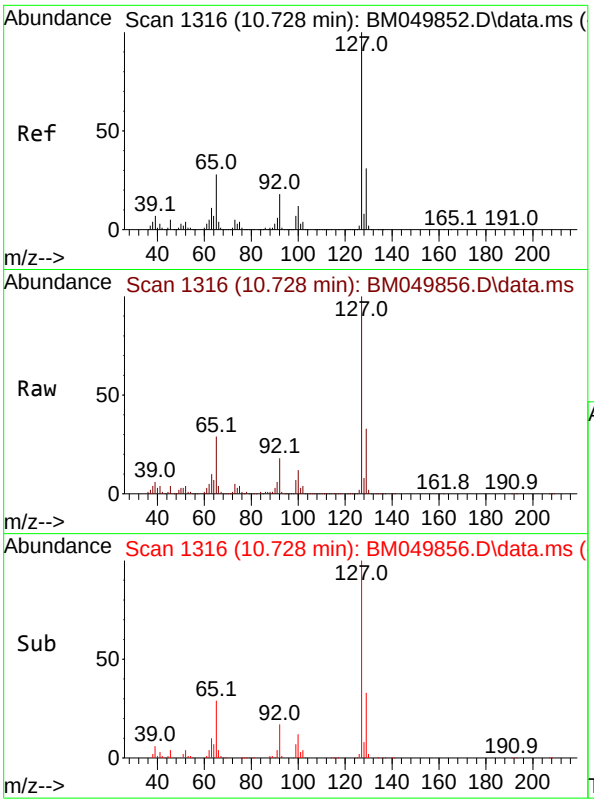


#32
Benzoic acid
Concen: 41.427 ng
RT: 9.886 min Scan# 1173
Delta R.T. 0.011 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:122 Resp: 548954

Ion	Ratio	Lower	Upper
122	100		
105	119.2	103.8	143.8
77	88.9	70.7	110.7



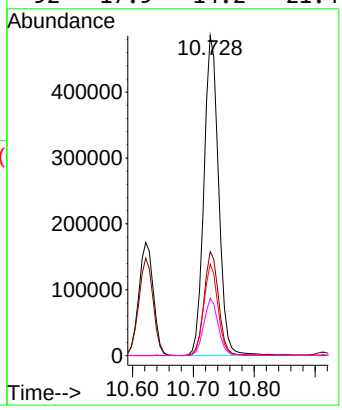


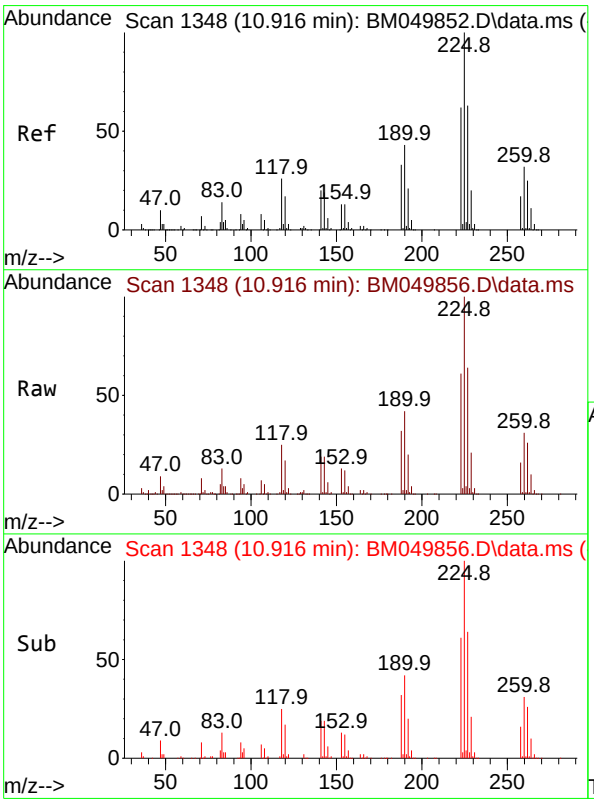
#33
4-Chloroaniline
Concen: 42.177 ng
RT: 10.728 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:127 Resp: 815667

Ion	Ratio	Lower	Upper
127	100		
129	32.5	24.9	37.3
65	28.7	22.4	33.6
92	17.9	14.2	21.4

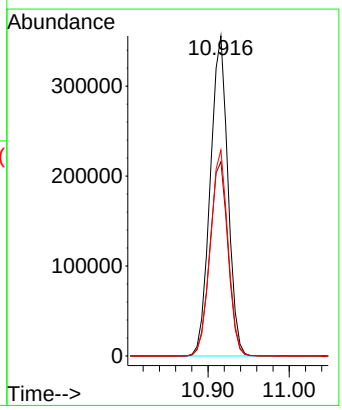


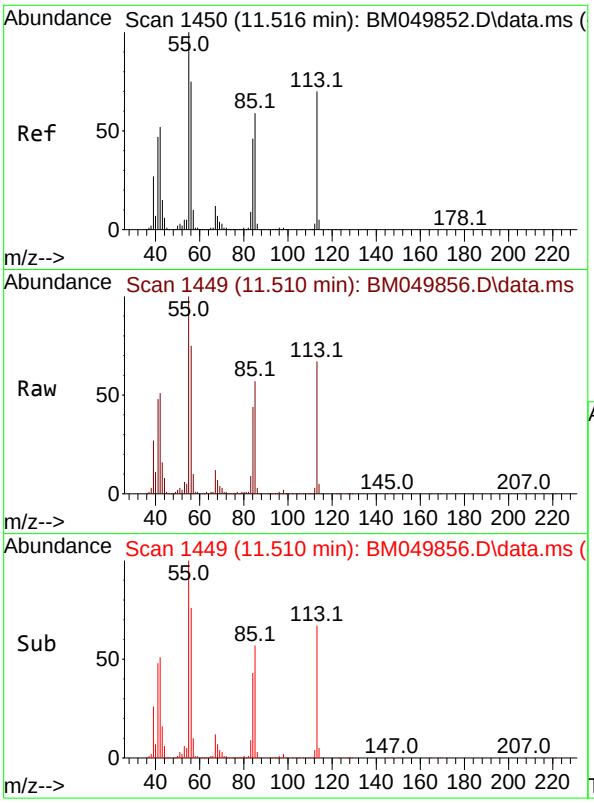


#34
Hexachlorobutadiene
Concen: 40.688 ng
RT: 10.916 min Scan# 1348
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:225 Resp: 535791

Ion	Ratio	Lower	Upper
225	100		
223	60.7	49.4	74.2
227	64.4	50.1	75.1



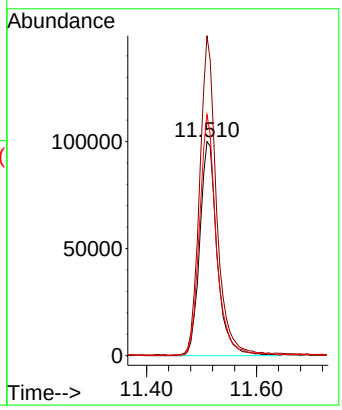


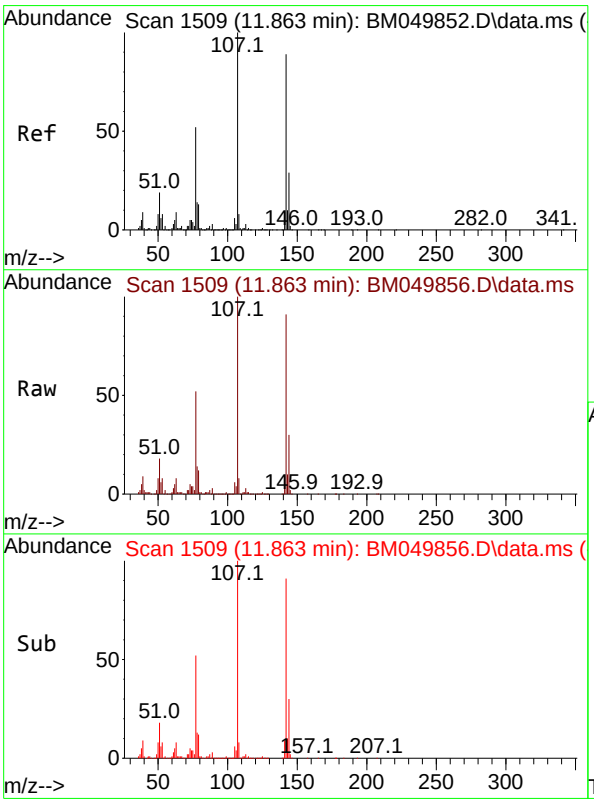
#35
Caprolactam
Concen: 41.519 ng
RT: 11.510 min Scan# 14
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:113 Resp: 219136

Ion	Ratio	Lower	Upper
113	100		
55	149.5	124.3	164.3
56	112.6	87.5	127.5

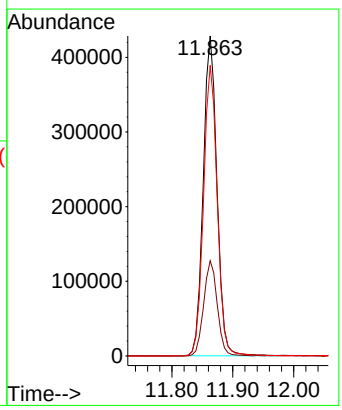


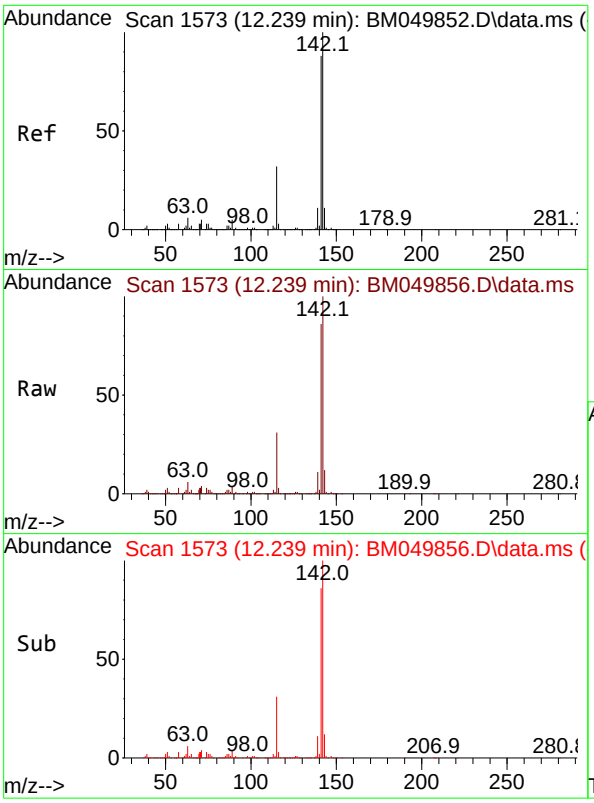


#36
4-Chloro-3-methylphenol
Concen: 41.604 ng
RT: 11.863 min Scan# 1509
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:107 Resp: 670620

Ion	Ratio	Lower	Upper
107	100		
144	29.8	23.6	35.4
142	90.8	71.4	107.0



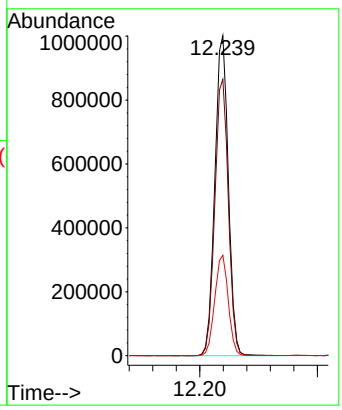


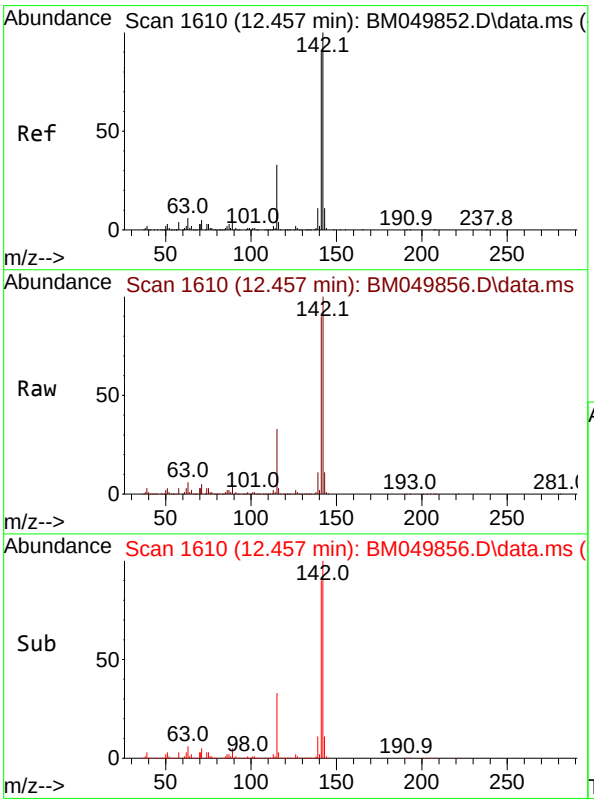
#37
2-Methylnaphthalene
Concen: 41.181 ng
RT: 12.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:142 Resp: 1589046

Ion	Ratio	Lower	Upper
142	100		
141	86.4	70.2	105.2
115	31.4	25.4	38.2

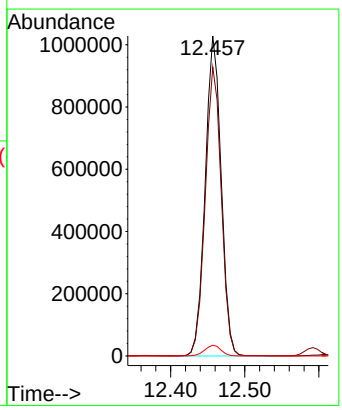


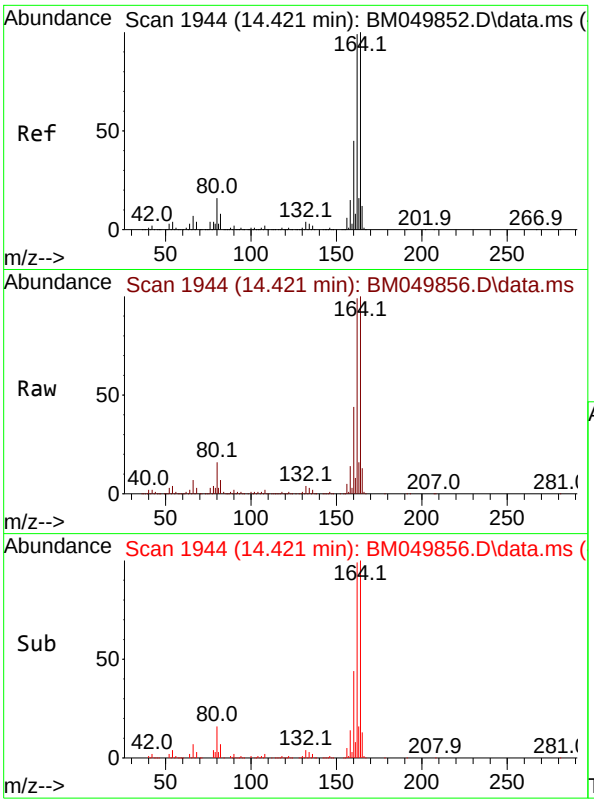


#38
1-Methylnaphthalene
Concen: 40.865 ng
RT: 12.457 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:142 Resp: 1536235

Ion	Ratio	Lower	Upper
142	100		
141	90.3	72.2	108.2
116	3.4	2.9	4.3



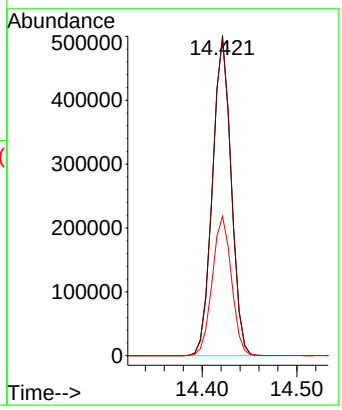


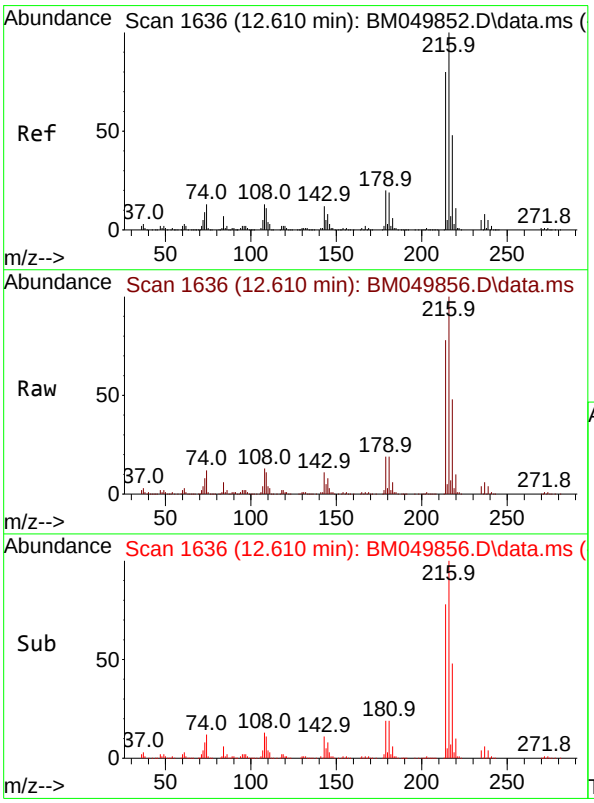
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.421 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:164 Resp: 683720

Ion	Ratio	Lower	Upper
164	100		
162	99.0	79.4	119.0
160	43.6	36.2	54.2

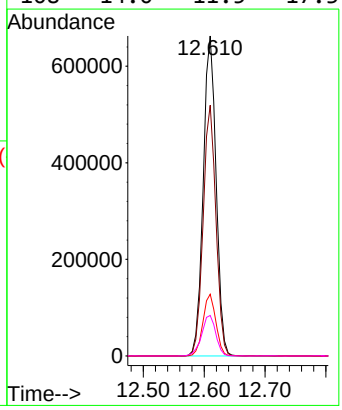


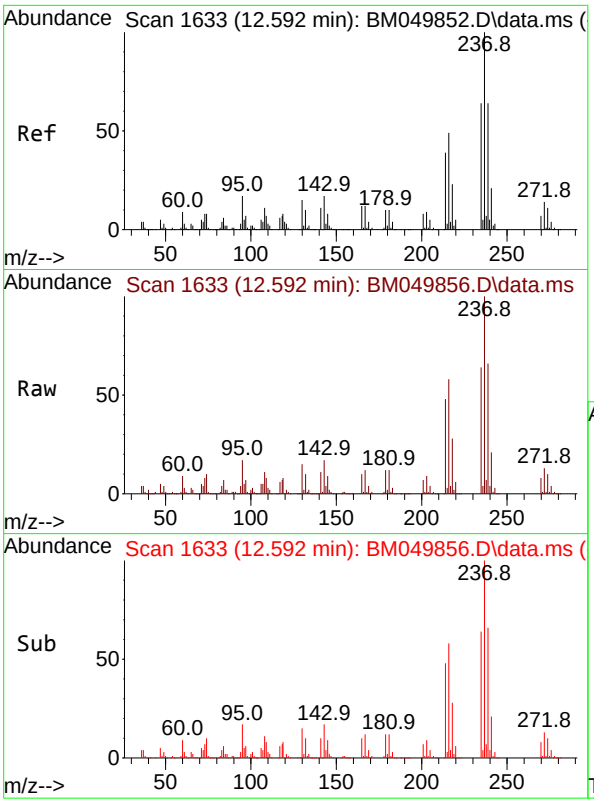


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.724 ng
RT: 12.610 min Scan# 1636
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:216 Resp: 974104

Ion	Ratio	Lower	Upper
216	100		
214	77.8	63.2	94.8
179	19.4	15.8	23.6
108	14.0	11.5	17.3



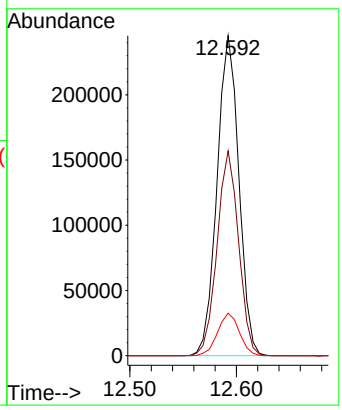


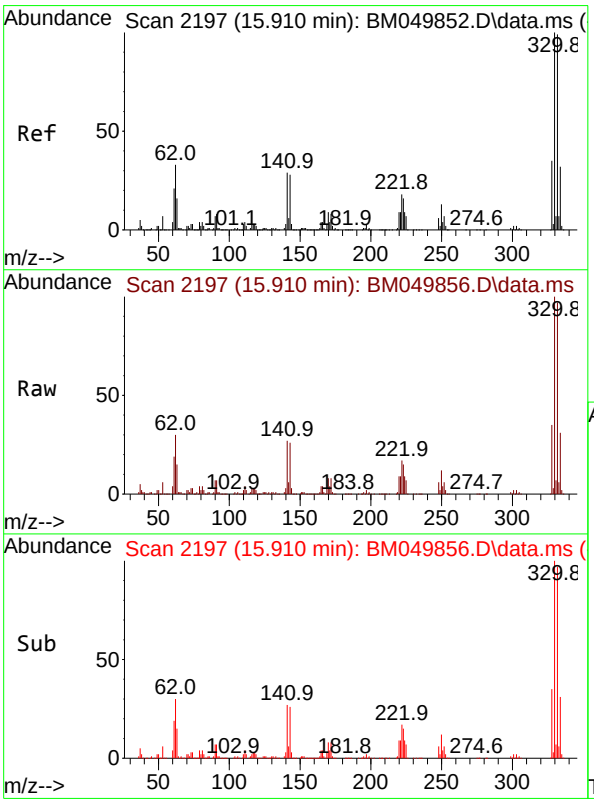
#41
Hexachlorocyclopentadiene
Concen: 41.571 ng
RT: 12.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:237 Resp: 348434

Ion	Ratio	Lower	Upper
237	100		
235	64.0	43.7	83.7
272	13.3	0.0	33.5

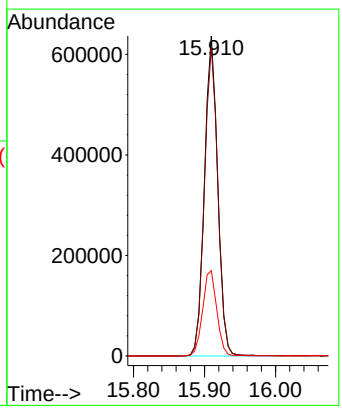


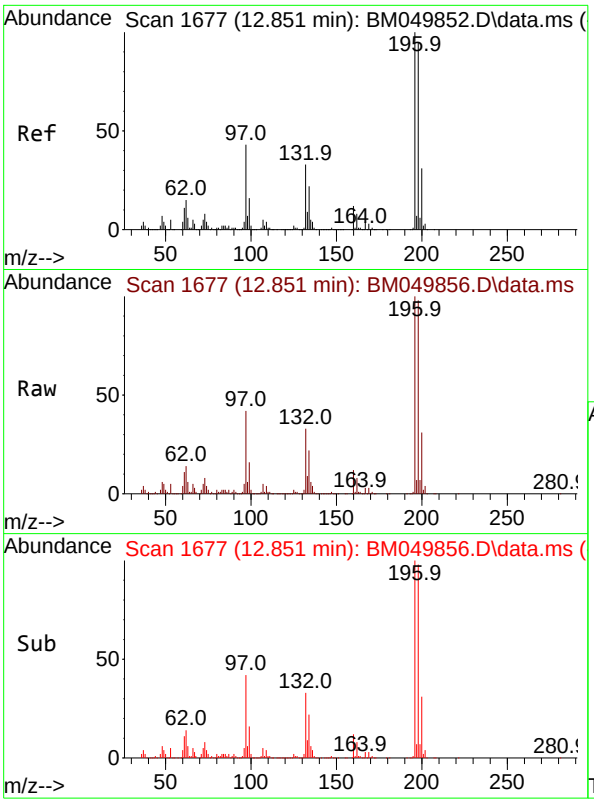


#42
2,4,6-Tribromophenol
Concen: 83.550 ng
RT: 15.910 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:330 Resp: 830905

Ion	Ratio	Lower	Upper
330	100		
332	97.3	78.0	117.0
141	28.4	23.5	35.3



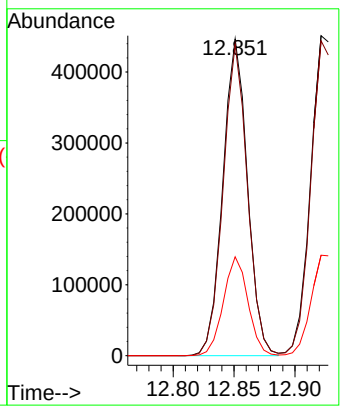


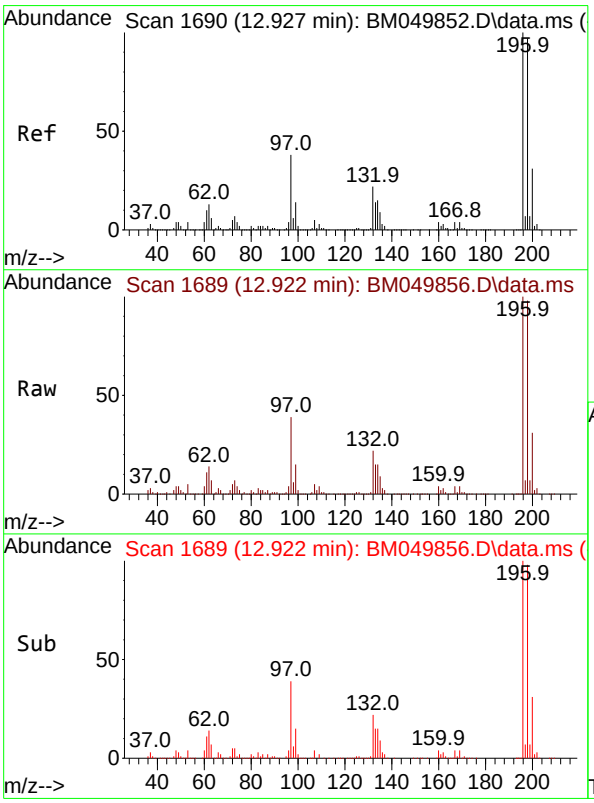
#43
2,4,6-Trichlorophenol
Concen: 41.361 ng
RT: 12.851 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:196 Resp: 629554

Ion	Ratio	Lower	Upper
196	100		
198	98.3	76.1	114.1
200	31.2	24.7	37.1

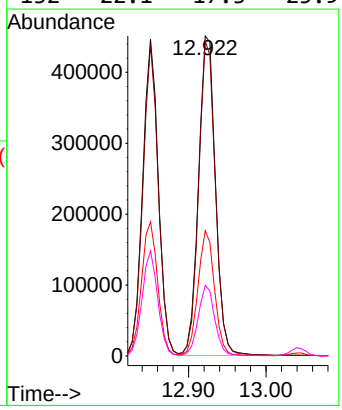


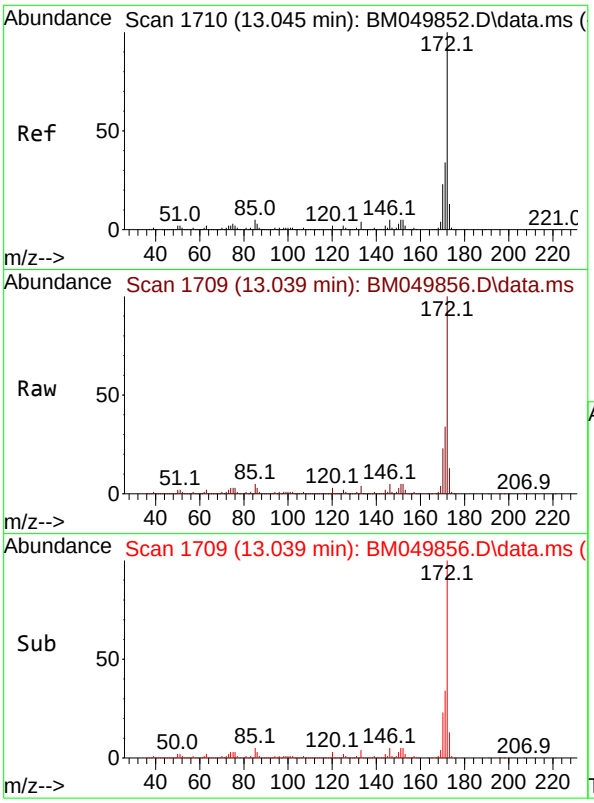


#44
2,4,5-Trichlorophenol
Concen: 41.410 ng
RT: 12.922 min Scan# 1689
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:196 Resp: 684953

Ion	Ratio	Lower	Upper
196	100		
198	98.4	77.7	116.5
97	39.2	30.3	45.5
132	22.1	17.3	25.9



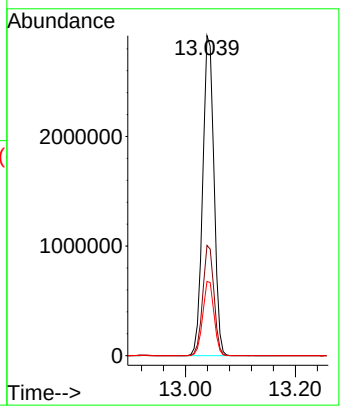


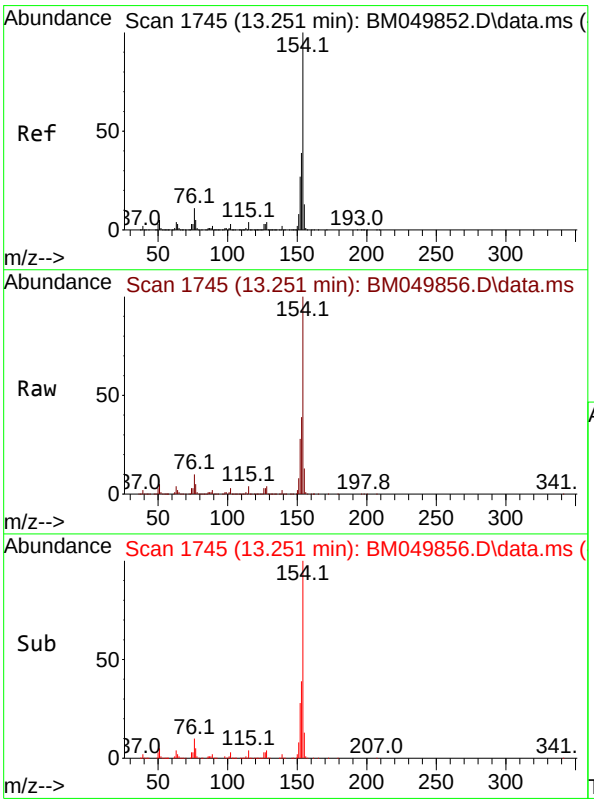
#45
2-Fluorobiphenyl
Concen: 82.271 ng
RT: 13.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:172 Resp: 4148227

Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.4	41.2
170	23.2	18.6	28.0

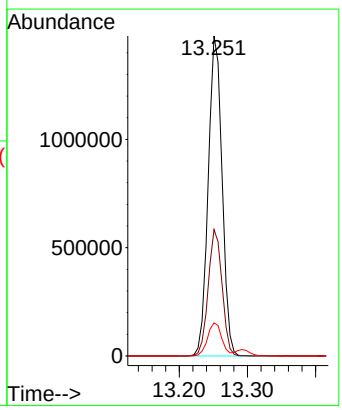


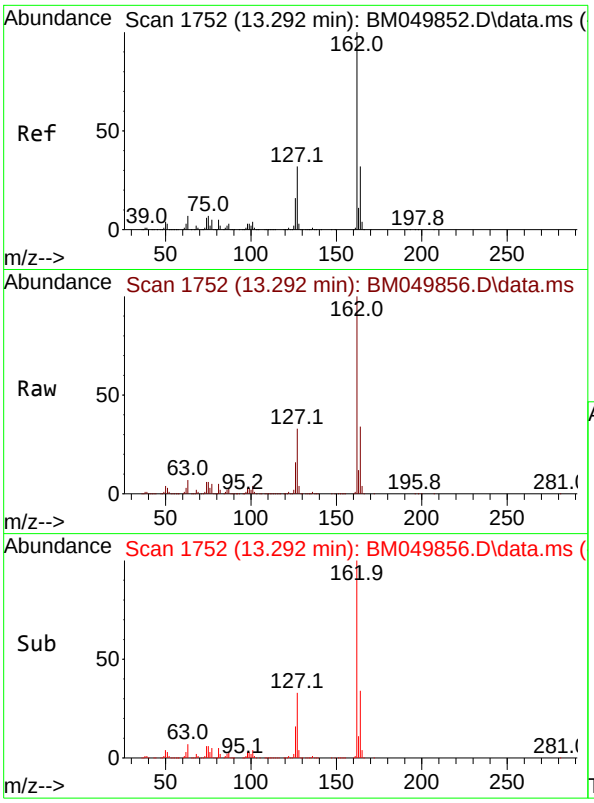


#46
1,1'-Biphenyl
Concen: 41.097 ng
RT: 13.251 min Scan# 1745
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:154 Resp: 2088758

Ion	Ratio	Lower	Upper
154	100		
153	39.5	19.3	59.3
76	10.3	0.0	30.7



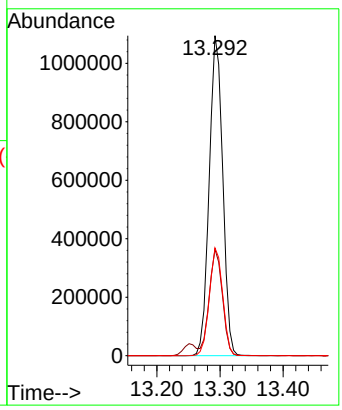


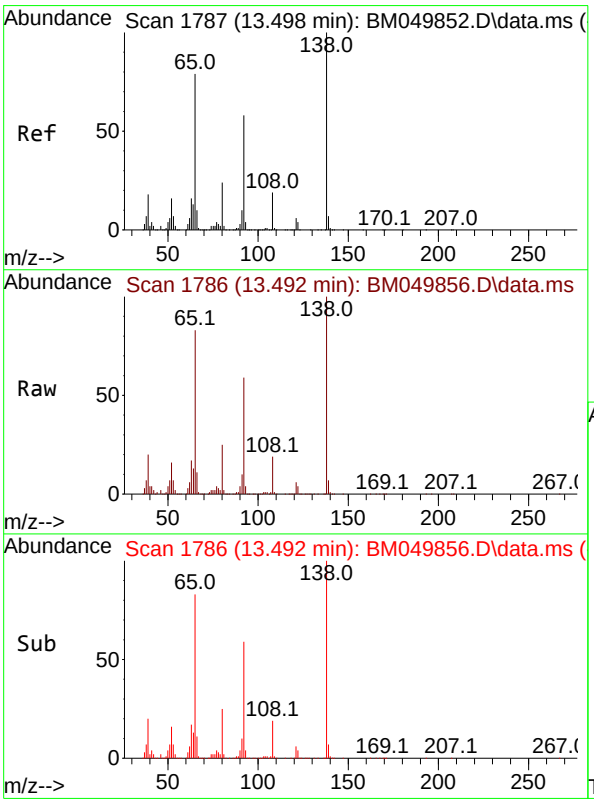
#47
2-Chloronaphthalene
Concen: 40.719 ng
RT: 13.292 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:162 Resp: 1626662

Ion	Ratio	Lower	Upper
162	100		
127	33.2	26.0	39.0
164	33.7	25.9	38.9

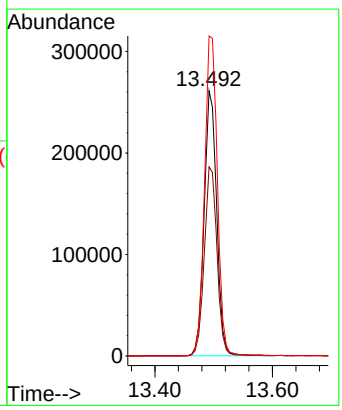


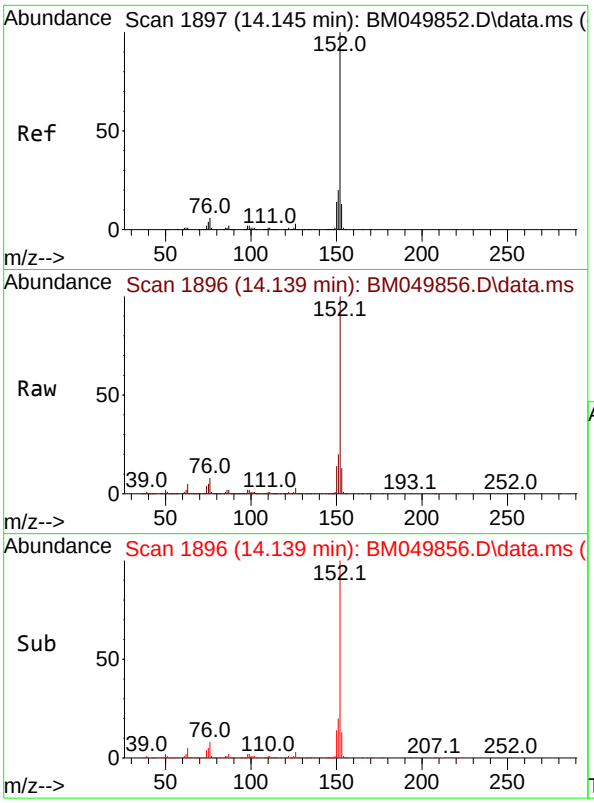


#48
2-Nitroaniline
Concen: 41.831 ng
RT: 13.492 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion: 65 Resp: 386594

Ion	Ratio	Lower	Upper
65	100		
92	71.4	58.4	87.6
138	120.7	100.8	151.2



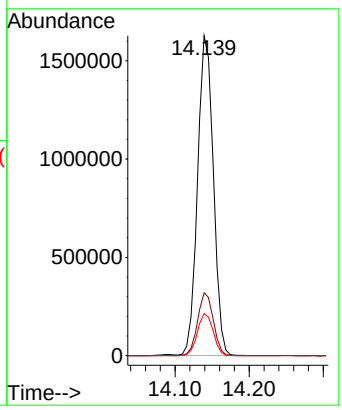


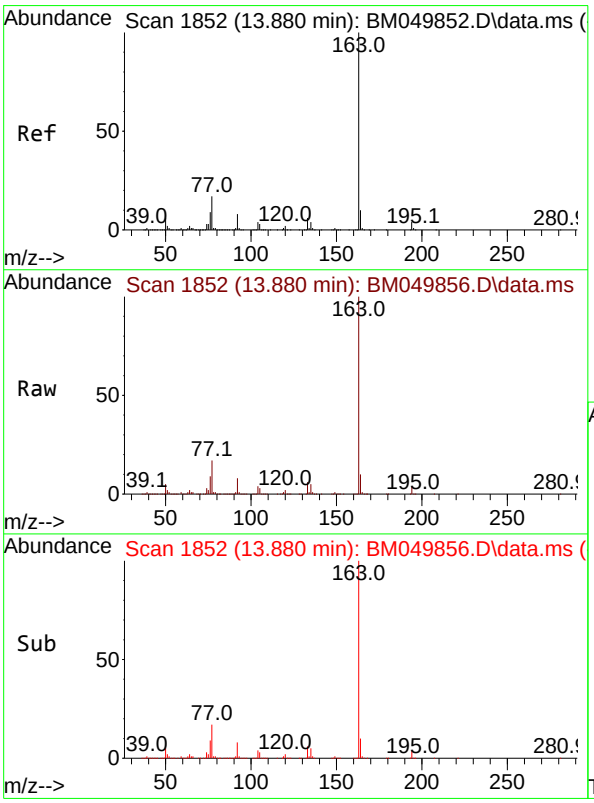
#49
Acenaphthylene
Concen: 41.321 ng
RT: 14.139 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:152 Resp: 2404483

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.7	23.5
153	13.2	10.4	15.6

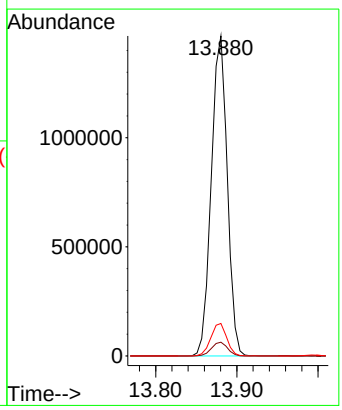


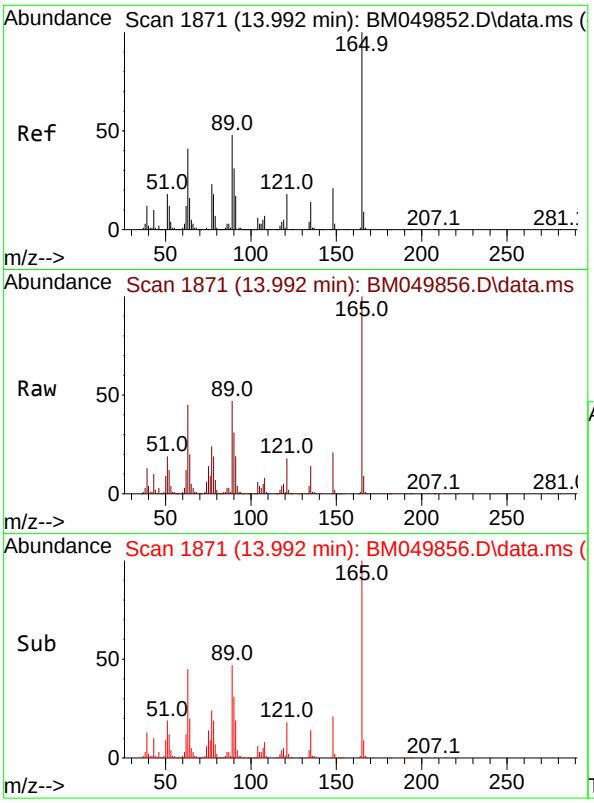


#50
Dimethylphthalate
Concen: 41.593 ng
RT: 13.880 min Scan# 1852
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:163 Resp: 2006252

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	10.2	7.9	11.9



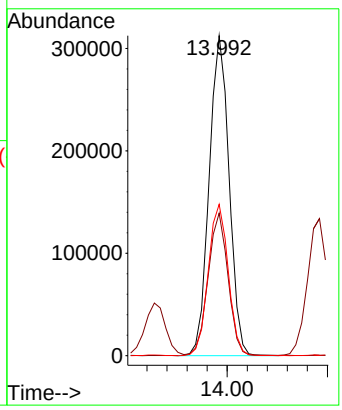


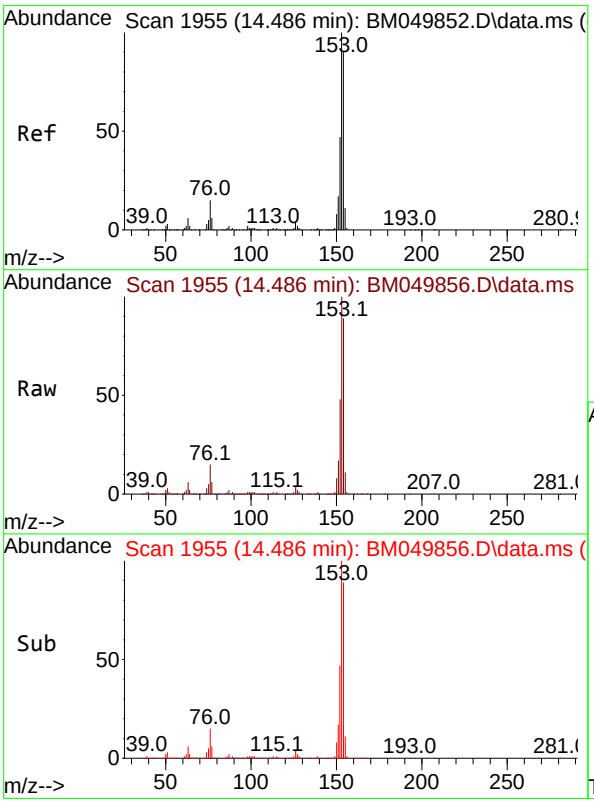
#51
2,6-Dinitrotoluene
Concen: 42.625 ng
RT: 13.992 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:165 Resp: 430765

Ion	Ratio	Lower	Upper
165	100		
63	44.6	36.1	54.1
89	47.3	38.3	57.5

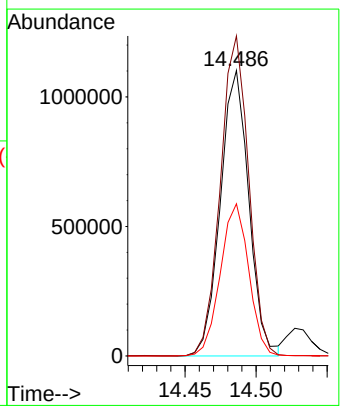


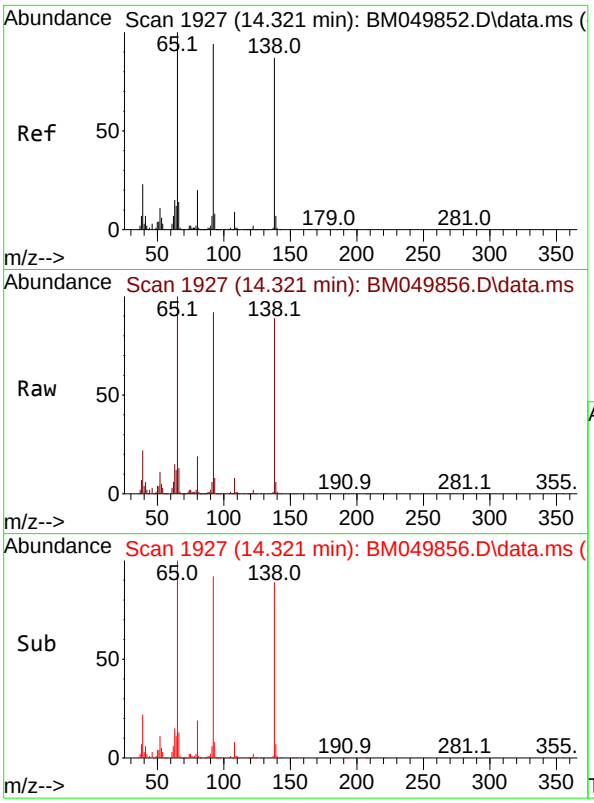


#52
Acenaphthene
Concen: 41.534 ng
RT: 14.486 min Scan# 1955
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:154 Resp: 1537342

Ion	Ratio	Lower	Upper
154	100		
153	112.1	89.3	133.9
152	53.3	42.2	63.2



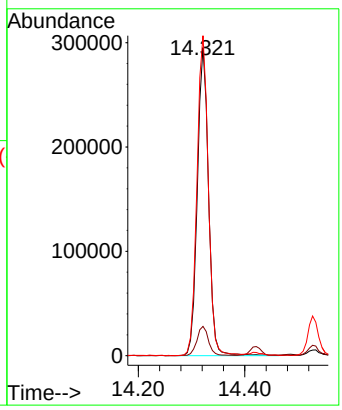


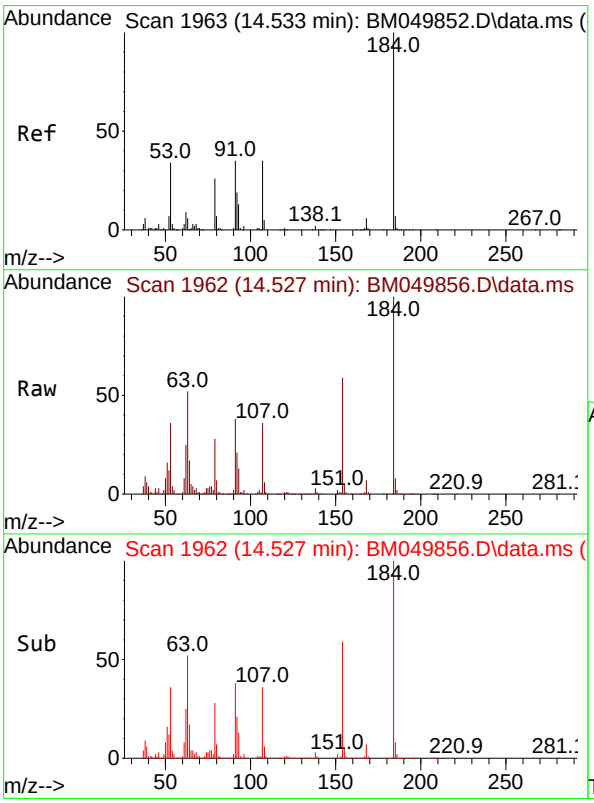
#53
3-Nitroaniline
Concen: 44.041 ng
RT: 14.321 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:138 Resp: 430166

Ion	Ratio	Lower	Upper
138	100		
108	9.5	8.1	12.1
92	103.9	86.5	129.7

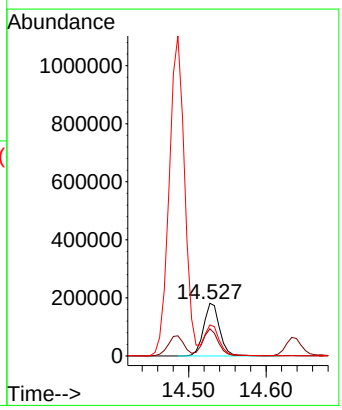


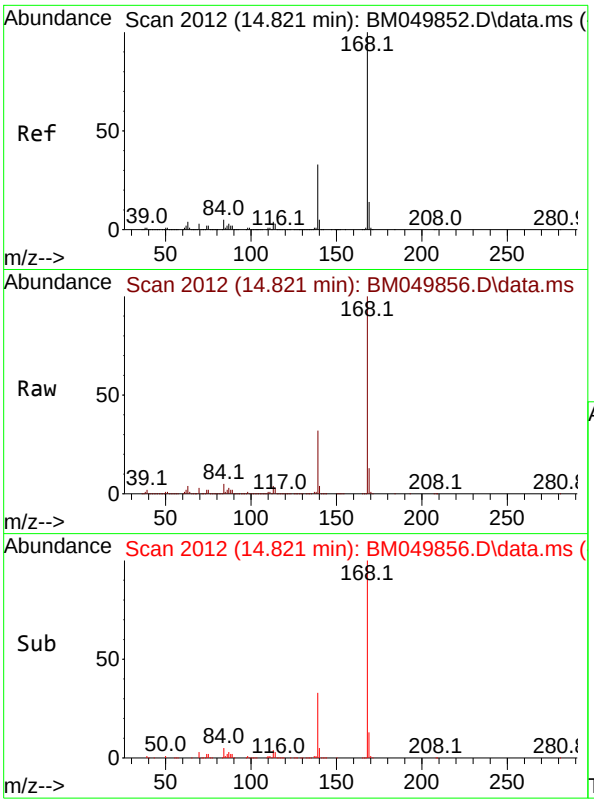


#54
2,4-Dinitrophenol
Concen: 39.689 ng
RT: 14.527 min Scan# 1962
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:184 Resp: 261179

Ion	Ratio	Lower	Upper
184	100		
63	51.8	38.4	57.6
154	59.0	48.1	72.1



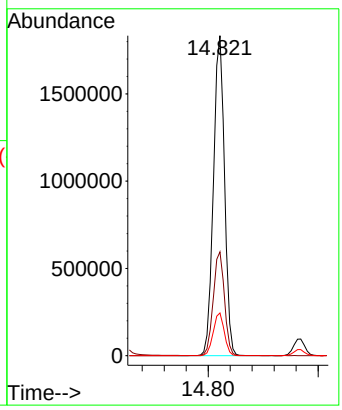


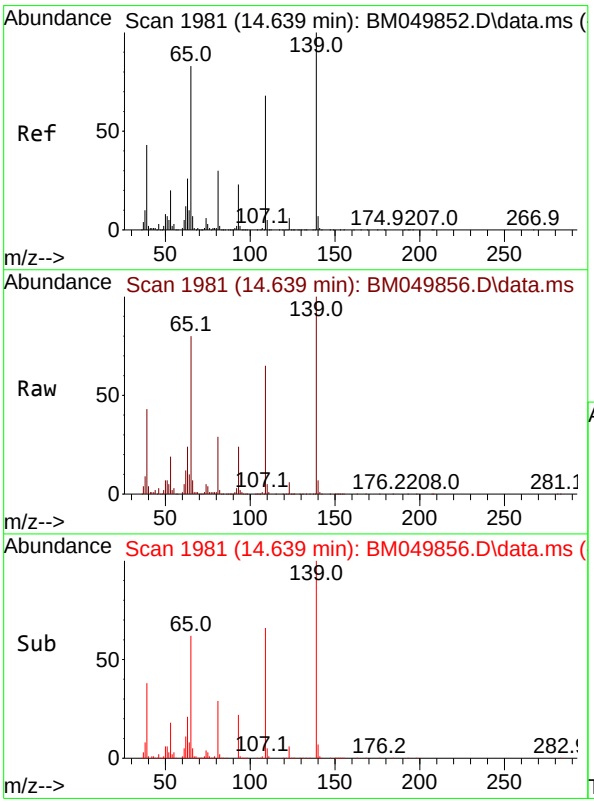
#55
Dibenzofuran
Concen: 41.581 ng
RT: 14.821 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:168 Resp: 2572884

Ion	Ratio	Lower	Upper
168	100		
139	32.5	26.6	39.8
169	13.4	11.0	16.4

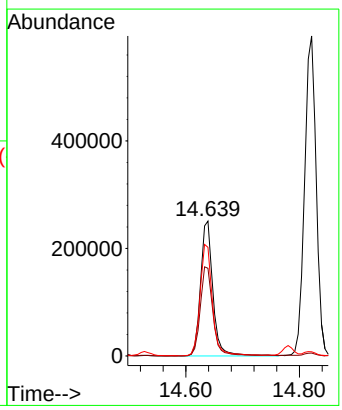


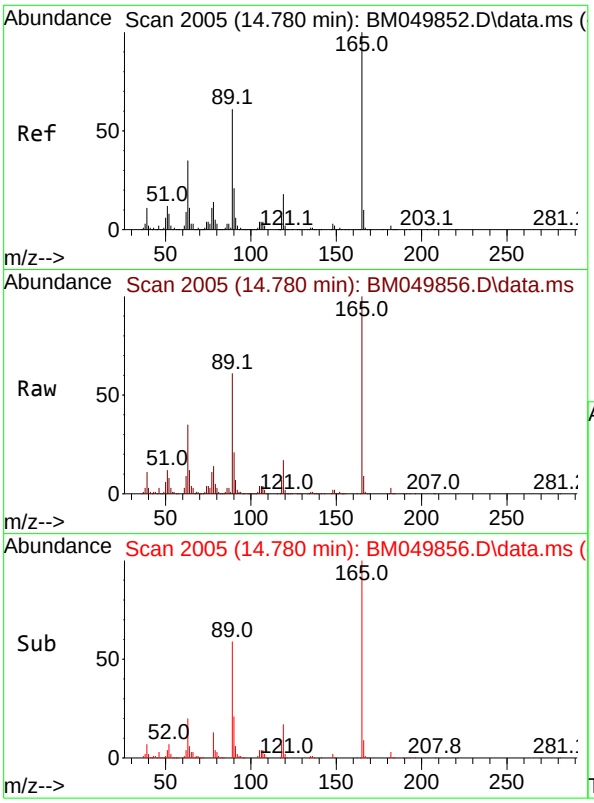


#56
4-Nitrophenol
Concen: 43.685 ng
RT: 14.639 min Scan# 1981
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:139 Resp: 380237

Ion	Ratio	Lower	Upper
139	100		
109	65.0	47.9	87.9
65	80.5	62.7	102.7



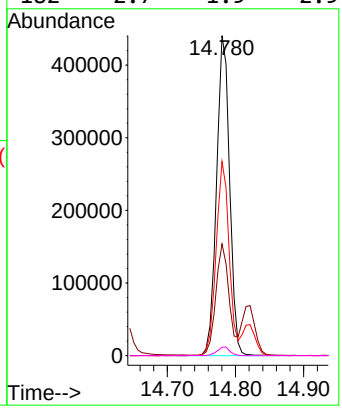


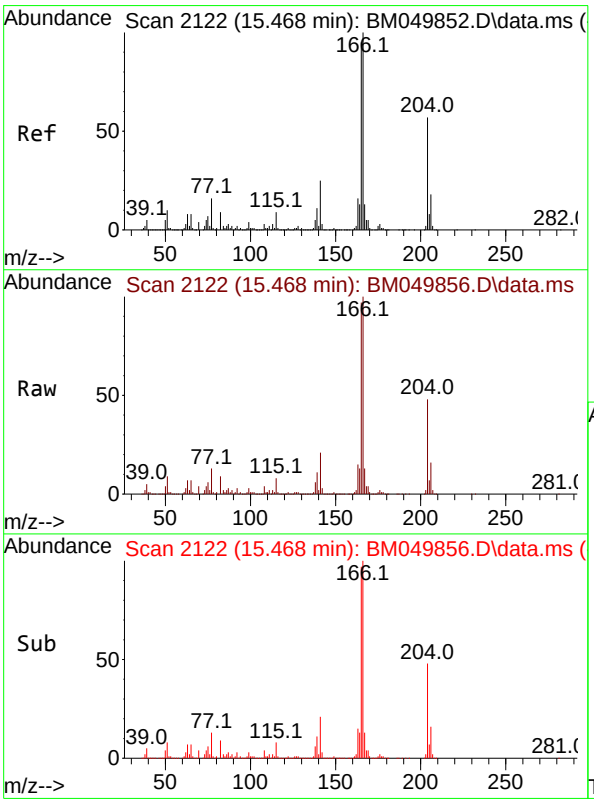
#57
2,4-Dinitrotoluene
Concen: 43.627 ng
RT: 14.780 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:165 Resp: 588187

Ion	Ratio	Lower	Upper
165	100		
63	34.9	28.6	42.8
89	60.6	49.0	73.6
182	2.7	1.9	2.9

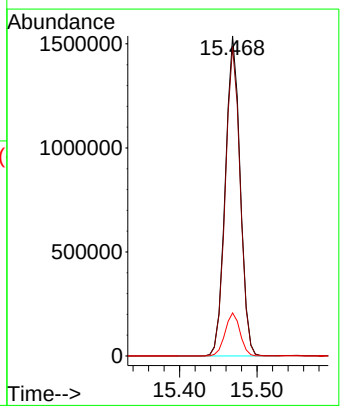


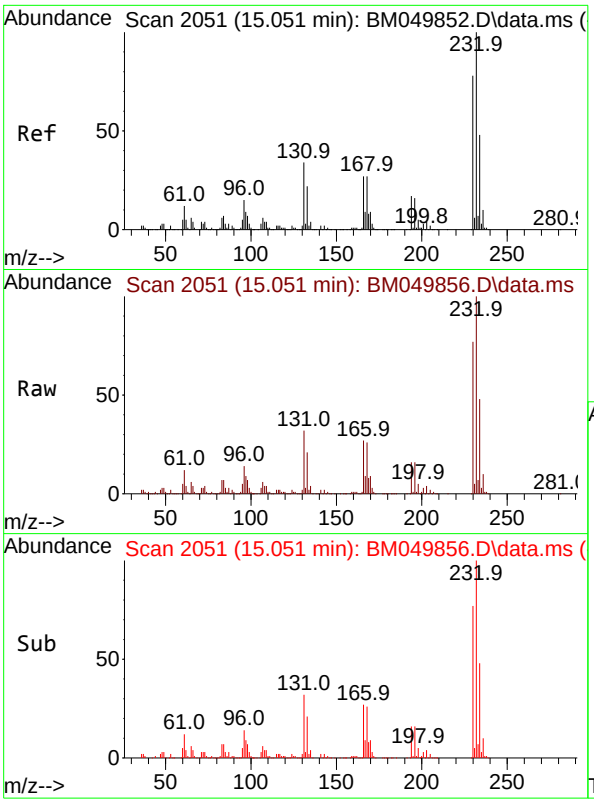


#58
Fluorene
Concen: 41.729 ng
RT: 15.468 min Scan# 2122
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:166 Resp: 2052408

Ion	Ratio	Lower	Upper
166	100		
165	96.6	76.3	114.5
167	13.5	10.7	16.1



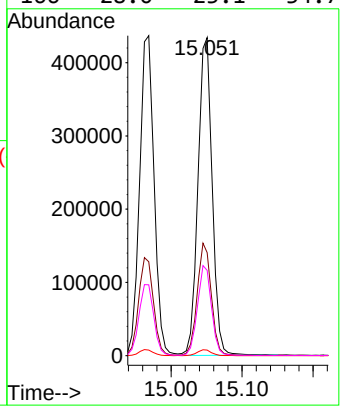


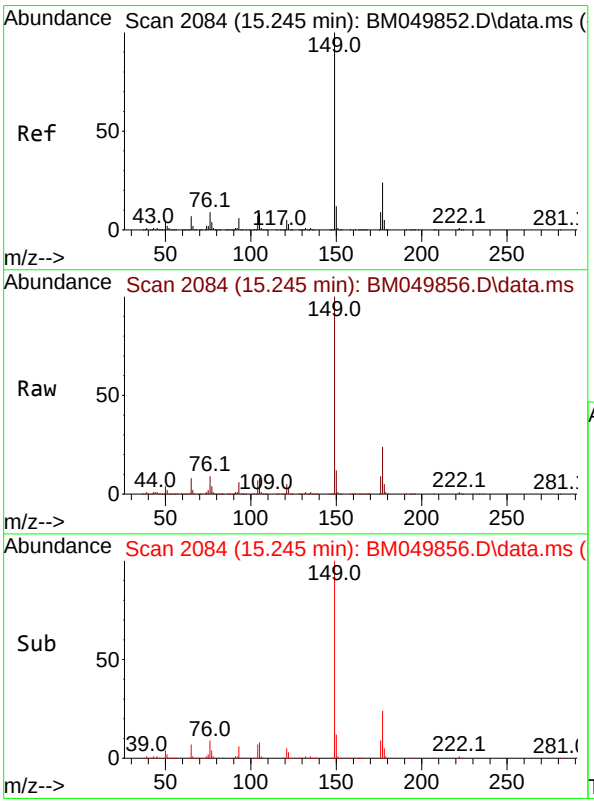
#59
2,3,4,6-Tetrachlorophenol
Concen: 41.690 ng
RT: 15.051 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:232 Resp: 604398

Ion	Ratio	Lower	Upper
232	100		
131	35.1	28.4	42.6
130	1.9	1.6	2.4
166	28.0	23.1	34.7

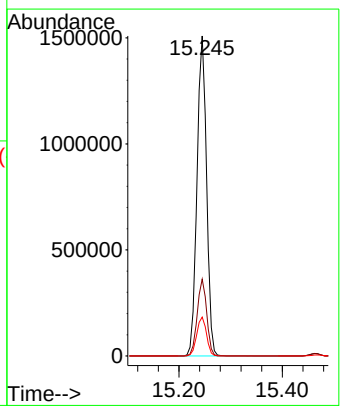


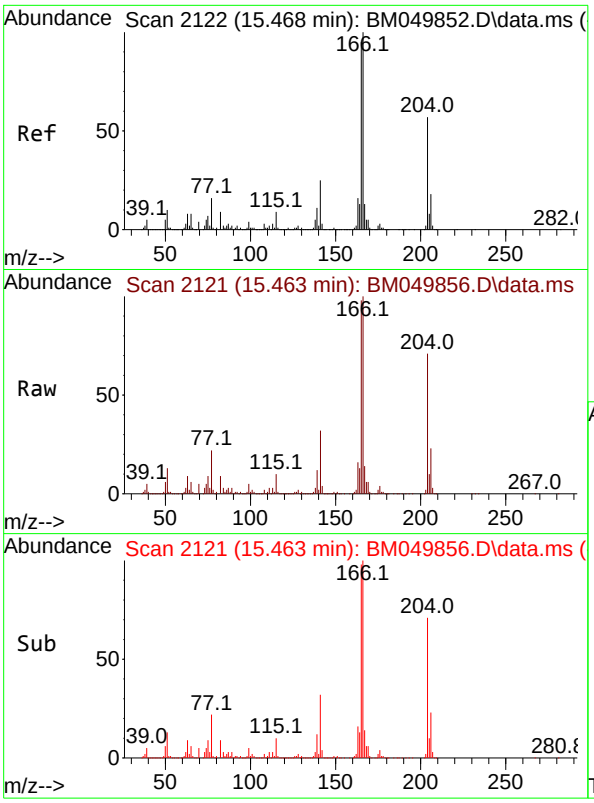


#60
Diethylphthalate
Concen: 41.839 ng
RT: 15.245 min Scan# 2084
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:149 Resp: 1935360

Ion	Ratio	Lower	Upper
149	100		
177	24.0	19.0	28.4
150	12.2	9.7	14.5



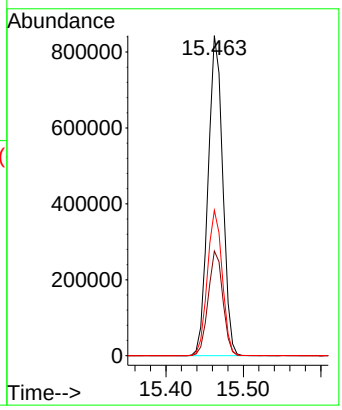


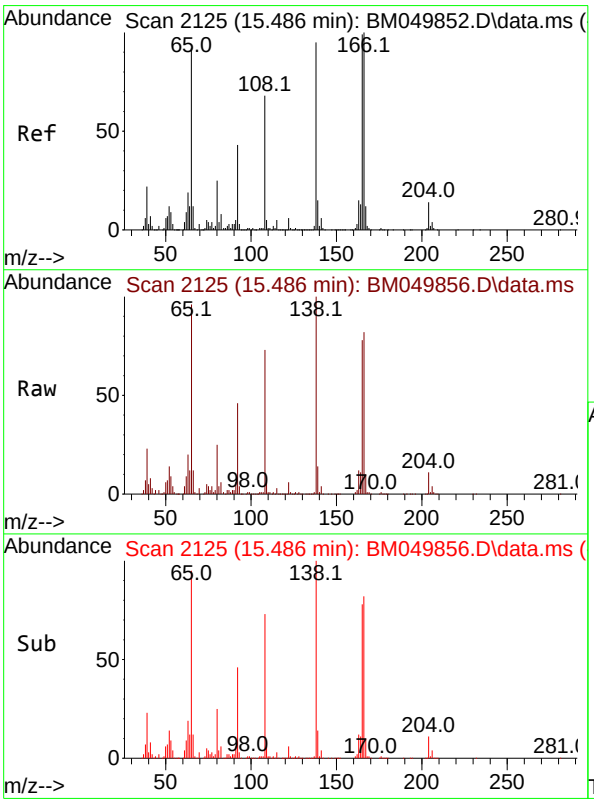
#61
4-Chlorophenyl-phenylether
Concen: 41.984 ng
RT: 15.463 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:204 Resp: 1107114

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.2	39.2
141	45.4	35.0	52.6

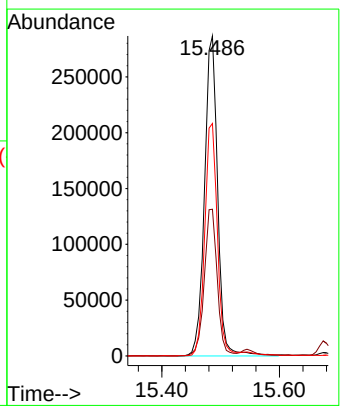


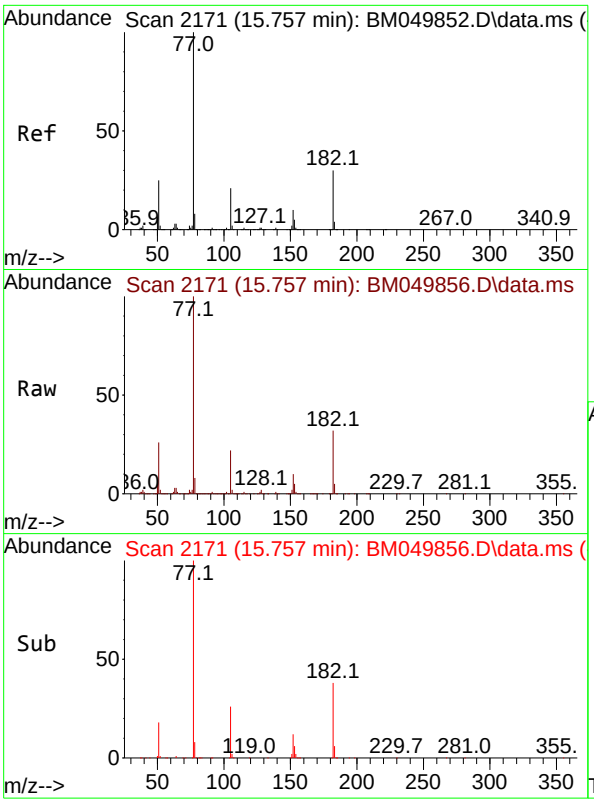


#62
4-Nitroaniline
Concen: 44.058 ng
RT: 15.486 min Scan# 2125
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:138 Resp: 445025

Ion	Ratio	Lower	Upper
138	100		
92	45.9	24.9	64.9
108	72.7	51.7	91.7



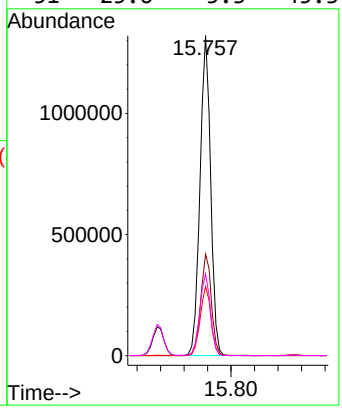


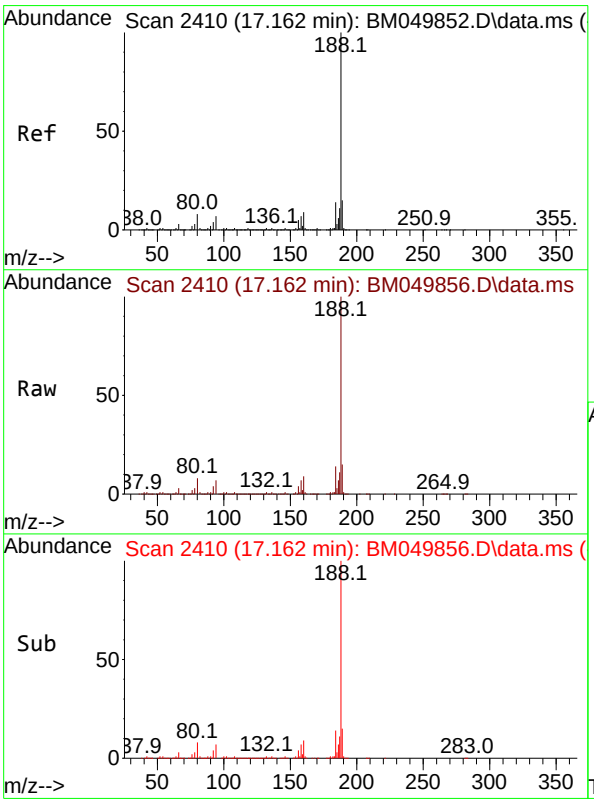
#63
Azobenzene
Concen: 41.869 ng
RT: 15.757 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion: 77 Resp: 1658136

Ion	Ratio	Lower	Upper
77	100		
182	31.8	10.4	50.4
105	21.7	1.5	41.5
51	25.6	5.3	45.3

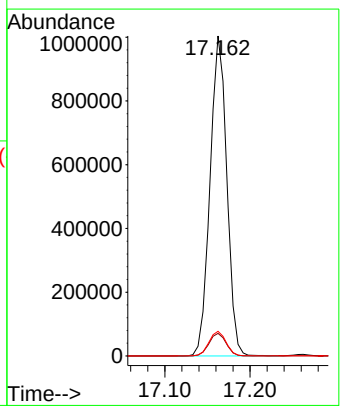


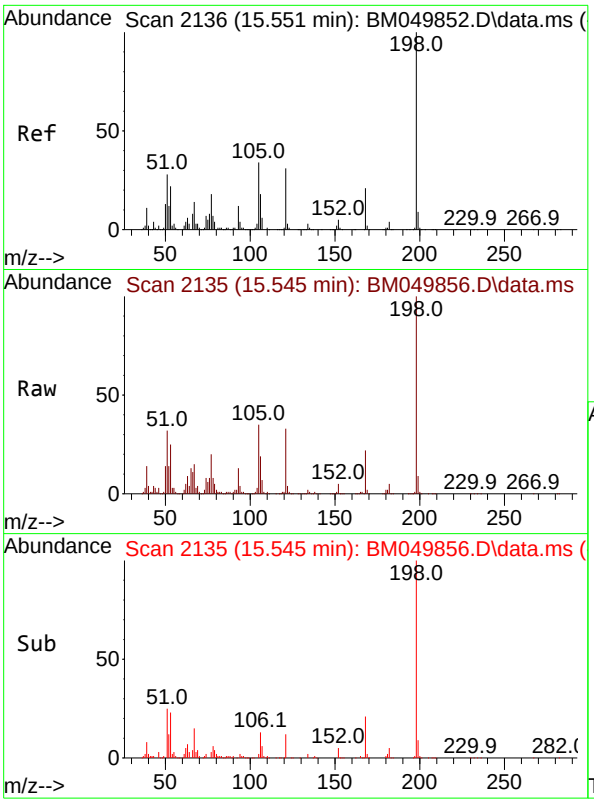


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.162 min Scan# 2410
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:188 Resp: 1374499

Ion	Ratio	Lower	Upper
188	100		
94	7.0	5.8	8.6
80	7.7	6.4	9.6



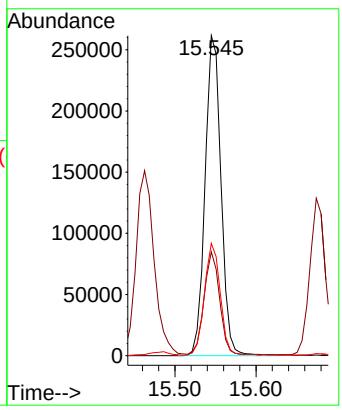


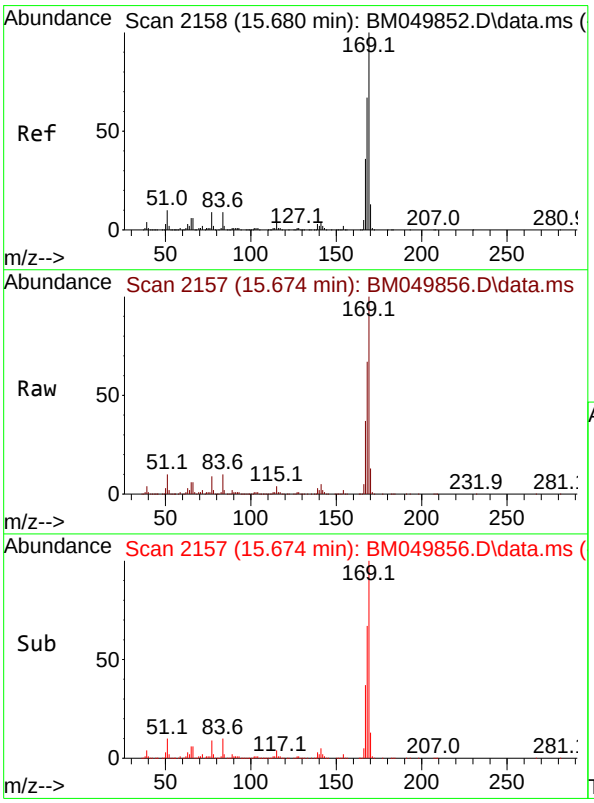
#65
4,6-Dinitro-2-methylphenol
Concen: 41.037 ng
RT: 15.545 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:198 Resp: 355438

Ion	Ratio	Lower	Upper
198	100		
51	32.5	9.6	49.6
105	35.1	14.7	54.7

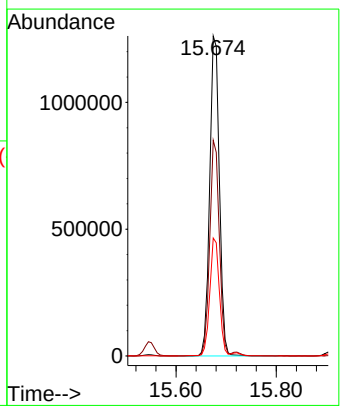


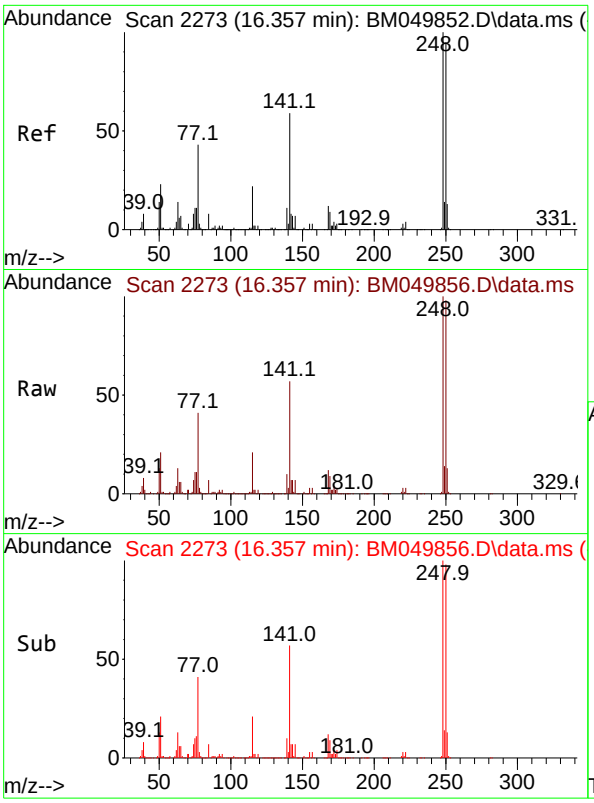


#66
n-Nitrosodiphenylamine
Concen: 41.081 ng
RT: 15.674 min Scan# 2157
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:169 Resp: 1689818

Ion	Ratio	Lower	Upper
169	100		
168	67.4	53.4	80.2
167	36.9	29.0	43.6



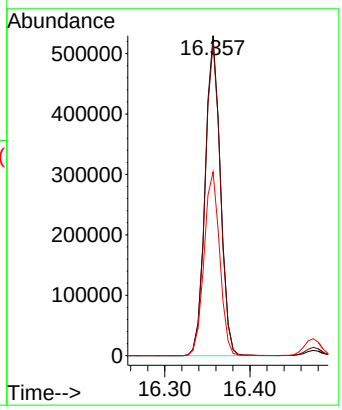


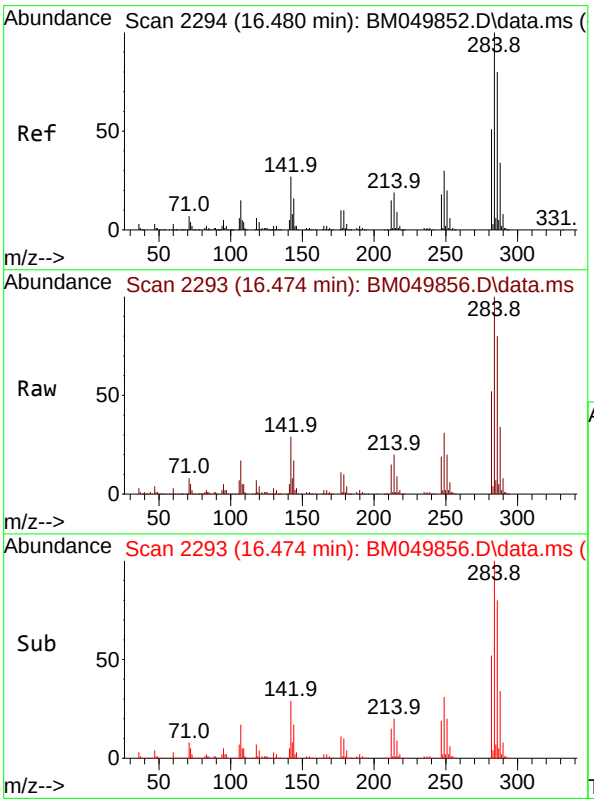
#67
4-Bromophenyl-phenylether
Concen: 41.024 ng
RT: 16.357 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:248 Resp: 654585

Ion	Ratio	Lower	Upper
248	100		
250	97.7	76.2	114.2
141	57.5	47.3	70.9

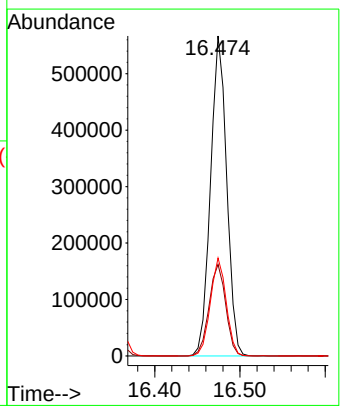


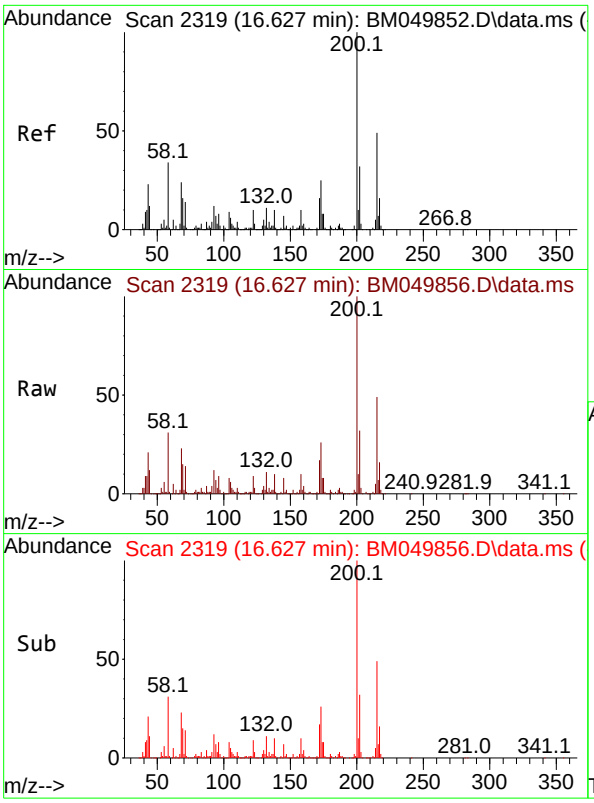


#68
Hexachlorobenzene
Concen: 40.782 ng
RT: 16.474 min Scan# 2293
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:284 Resp: 746406

Ion	Ratio	Lower	Upper
284	100		
142	28.6	21.2	31.8
249	30.6	24.1	36.1



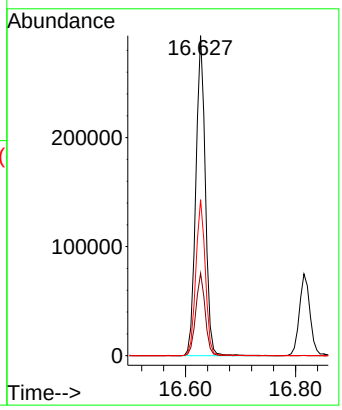


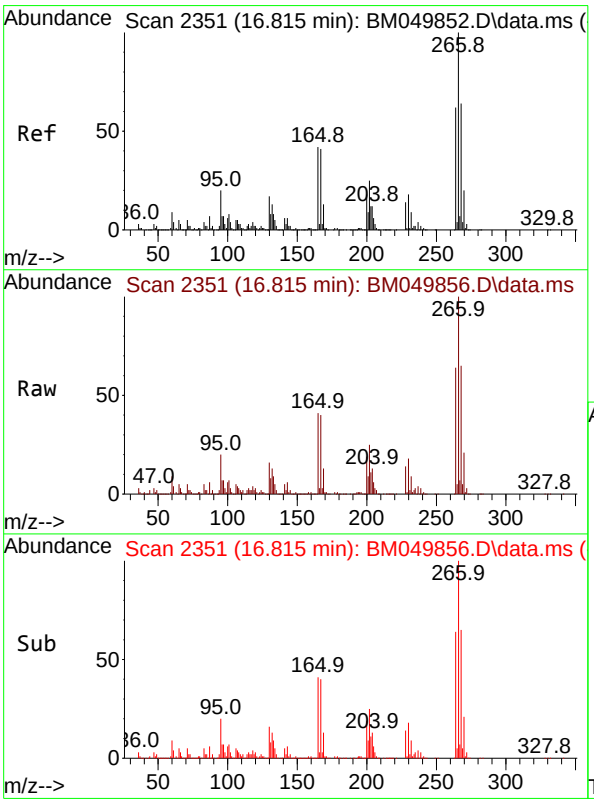
#69
Atrazine
Concen: 32.937 ng
RT: 16.627 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:200 Resp: 351283

Ion	Ratio	Lower	Upper
200	100		
173	25.8	5.4	45.4
215	48.8	29.0	69.0

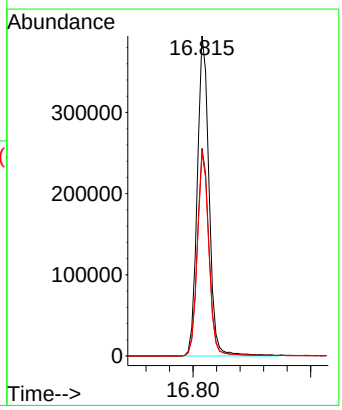


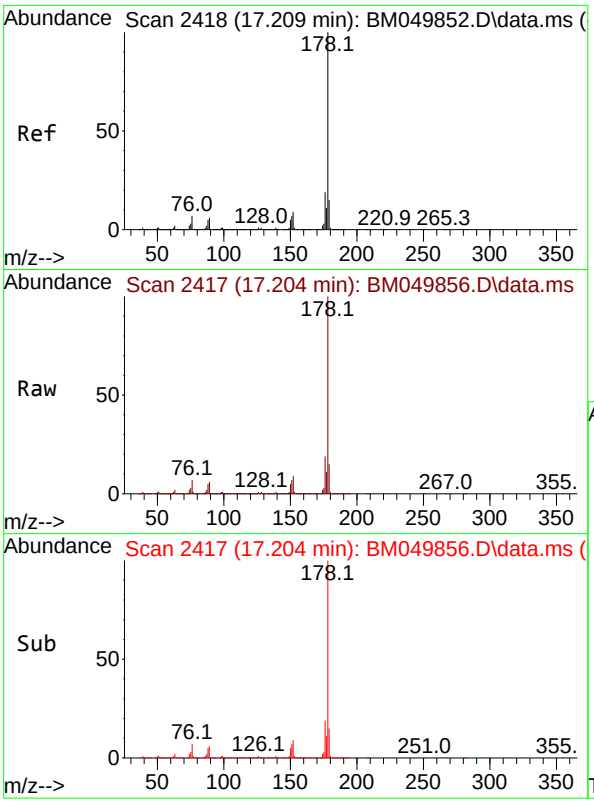


#70
Pentachlorophenol
Concen: 40.626 ng
RT: 16.815 min Scan# 2351
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:266 Resp: 547416

Ion	Ratio	Lower	Upper
266	100		
268	64.9	51.4	77.2
264	63.6	49.8	74.8



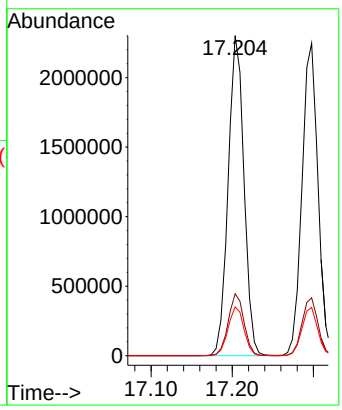


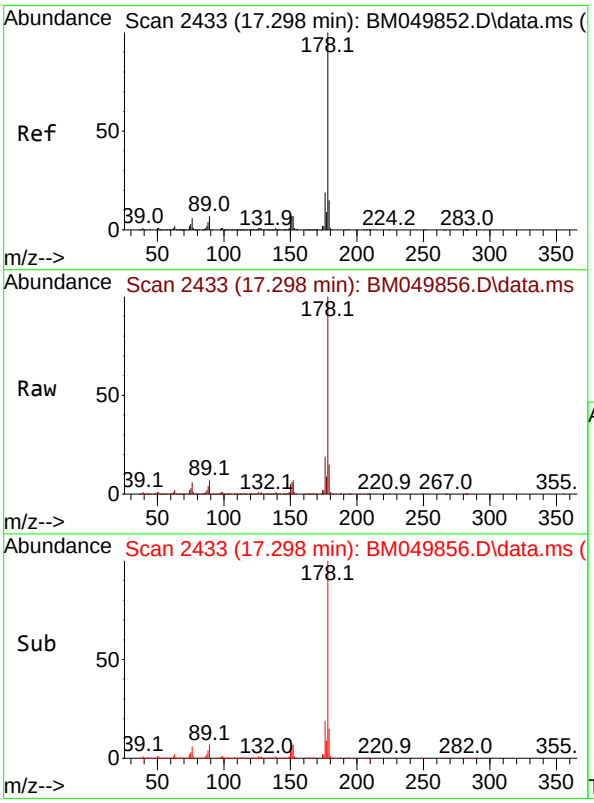
#71
Phenanthrene
Concen: 41.280 ng
RT: 17.204 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:178 Resp: 3110670

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.2	12.3	18.5

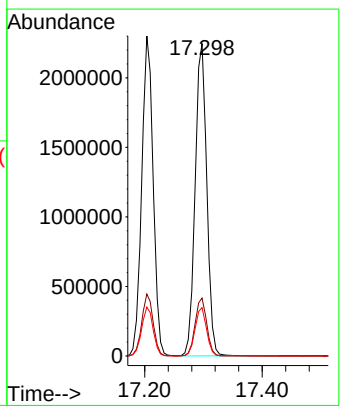


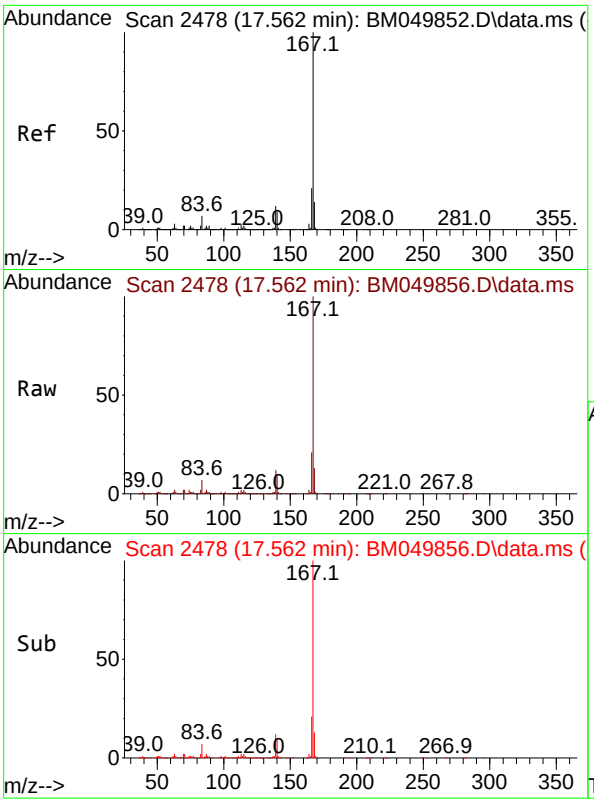


#72
Anthracene
Concen: 41.490 ng
RT: 17.298 min Scan# 2433
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:178 Resp: 3081134

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.1	22.7
179	15.4	12.4	18.6



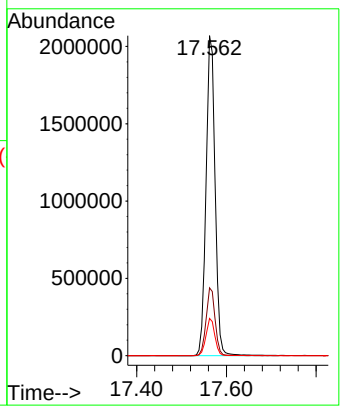


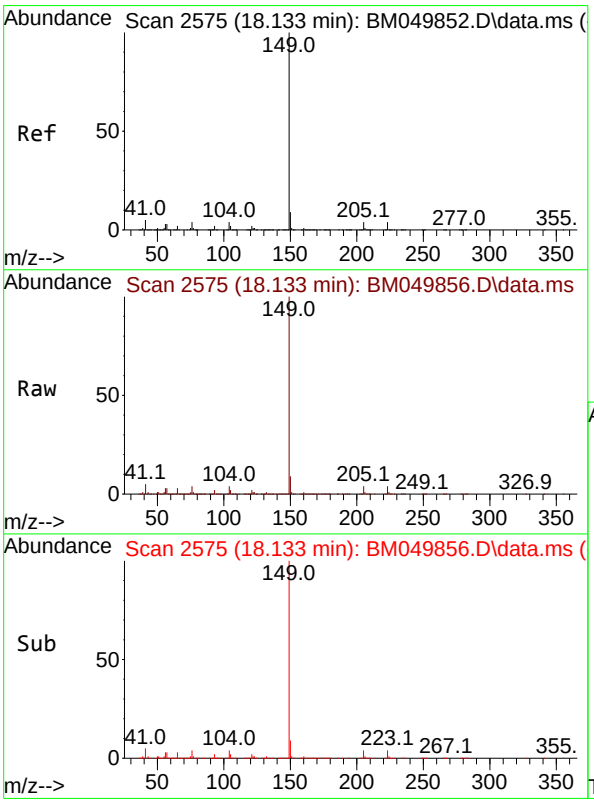
#73
Carbazole
Concen: 41.424 ng
RT: 17.562 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:167 Resp: 2897408

Ion	Ratio	Lower	Upper
167	100		
166	21.2	16.9	25.3
139	11.6	9.3	13.9

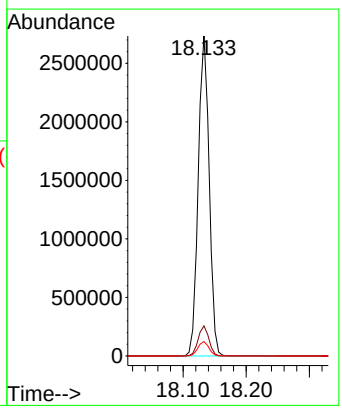


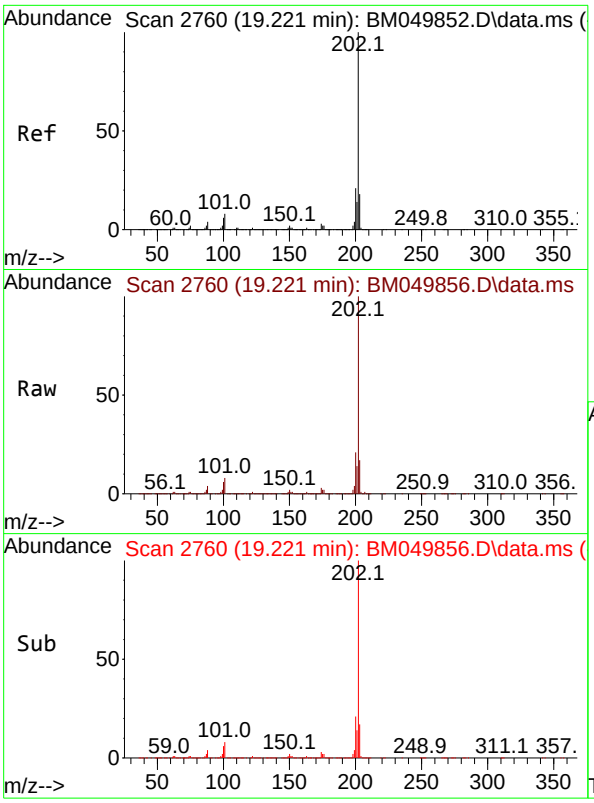


#74
Di-n-butylphthalate
Concen: 40.739 ng
RT: 18.133 min Scan# 2575
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:149 Resp: 3282090

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	4.5	3.5	5.3



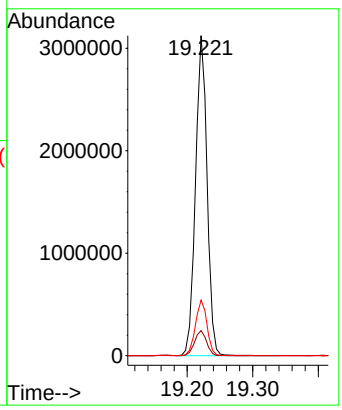


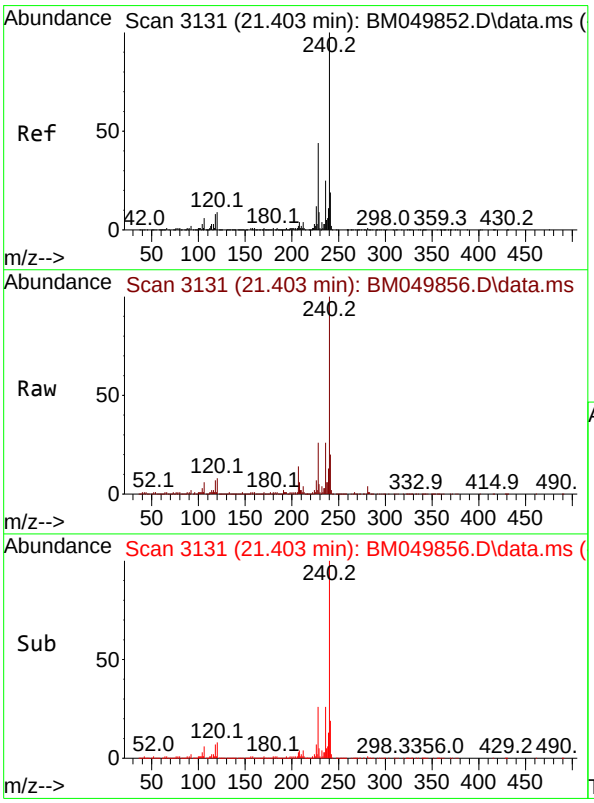
#75
Fluoranthene
Concen: 41.327 ng
RT: 19.221 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:202 Resp: 3829085

Ion	Ratio	Lower	Upper
202	100		
101	7.9	0.0	28.4
203	17.4	0.0	37.8

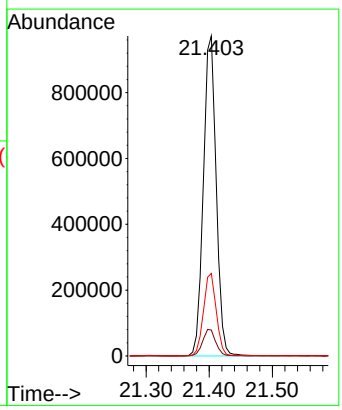


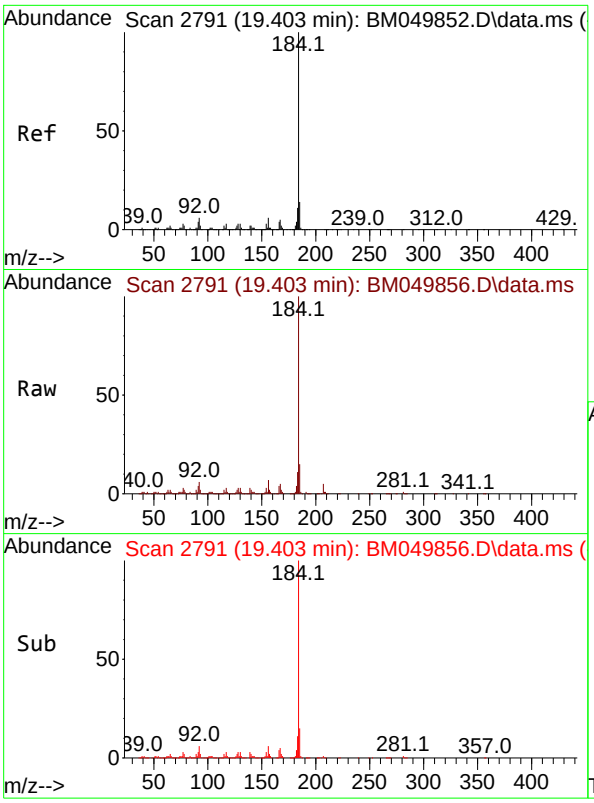


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:240 Resp: 1374864

Ion	Ratio	Lower	Upper
240	100		
120	8.1	6.9	10.3
236	25.8	20.4	30.6



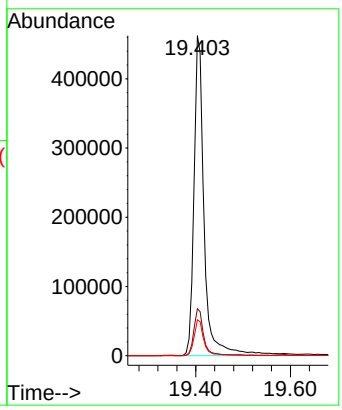


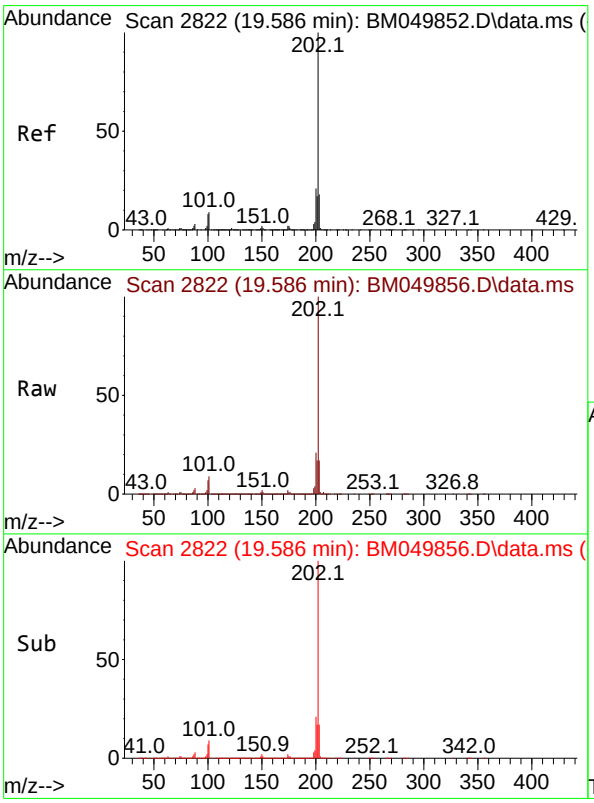
#77
Benzidine
Concen: 37.866 ng
RT: 19.403 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:184 Resp: 690660

Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.4	17.2
183	11.2	8.8	13.2

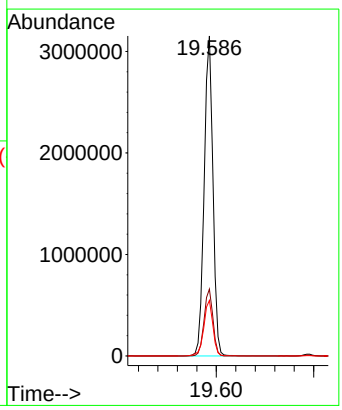


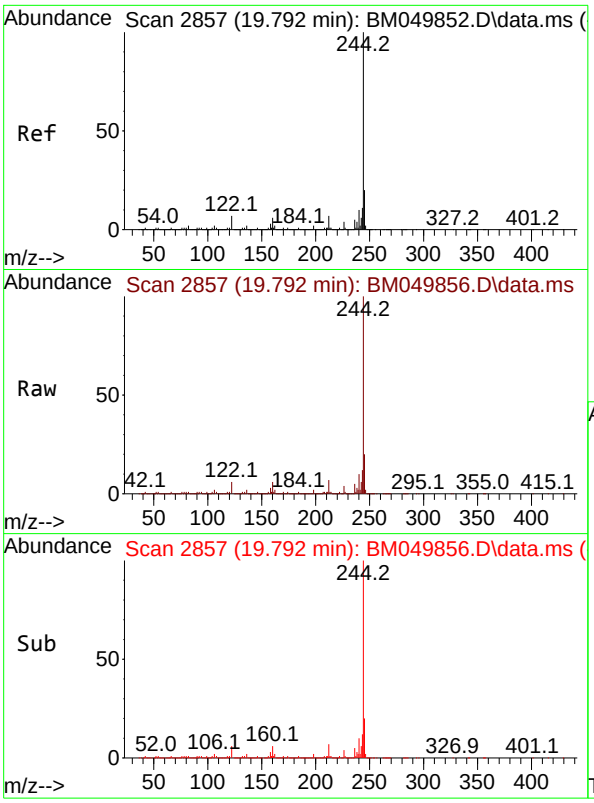


#78
Pyrene
Concen: 41.482 ng
RT: 19.586 min Scan# 2822
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:202 Resp: 3930574

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.5	24.7
203	17.3	14.0	21.0



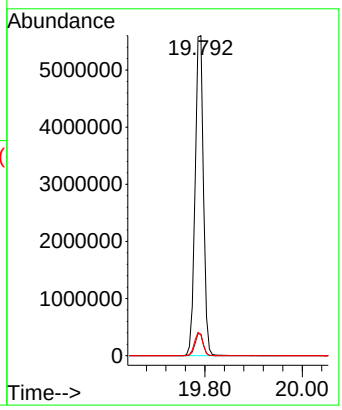


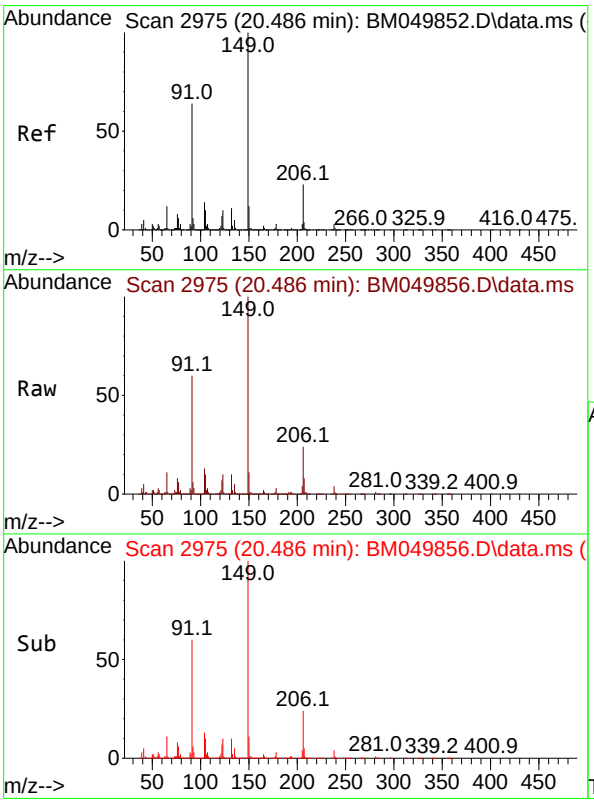
#79
Terphenyl-d14
Concen: 90.949 ng
RT: 19.792 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:244 Resp: 6672291

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.5	8.3
122	6.5	5.4	8.0

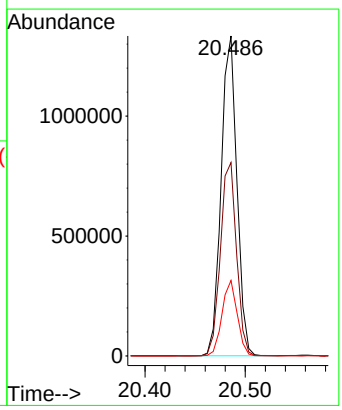


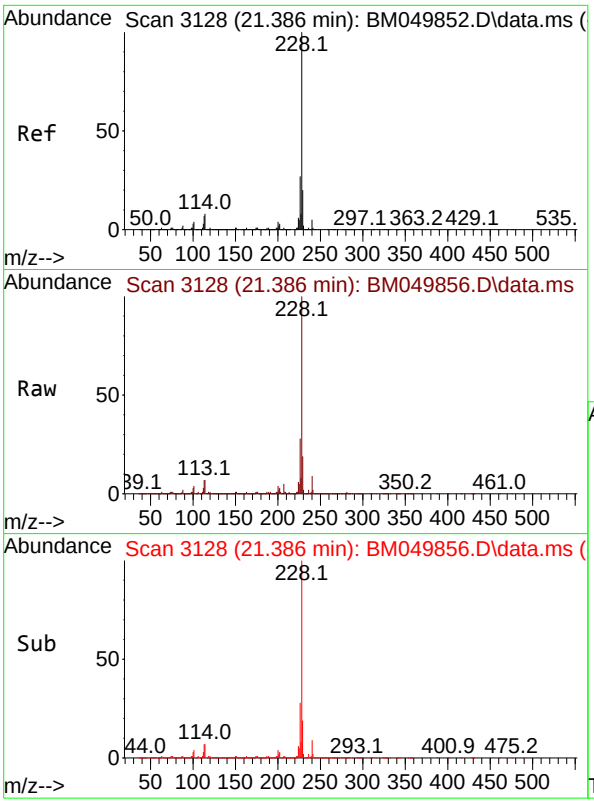


#80
Butylbenzylphthalate
Concen: 40.807 ng
RT: 20.486 min Scan# 2975
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:149 Resp: 1452887

Ion	Ratio	Lower	Upper
149	100		
91	60.4	50.9	76.3
206	23.6	18.4	27.6



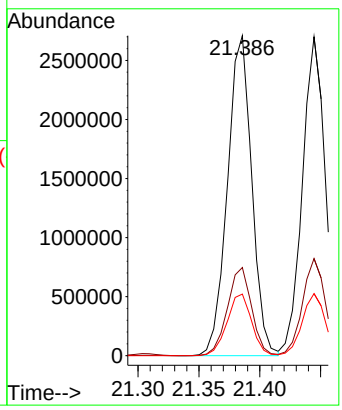


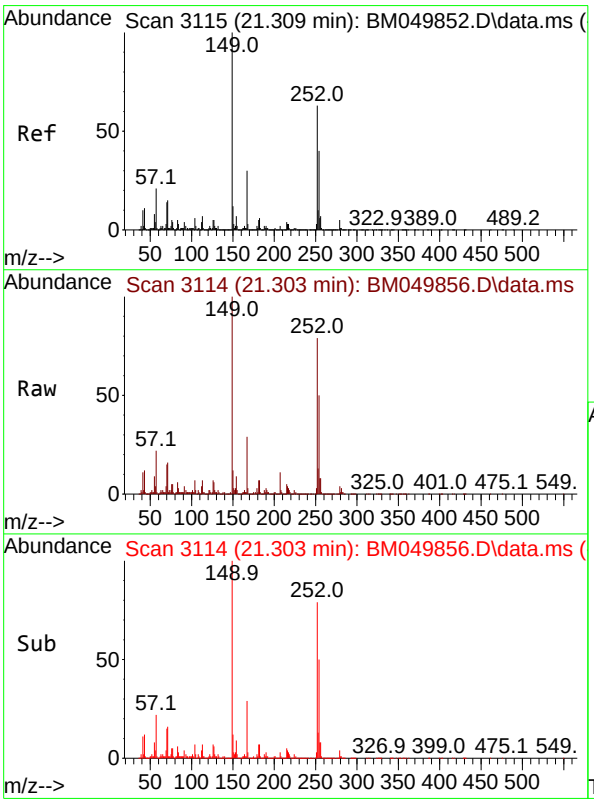
#81
Benzo(a)anthracene
Concen: 41.314 ng
RT: 21.386 min Scan# 31
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:228 Resp: 3774940

Ion	Ratio	Lower	Upper
228	100		
226	27.5	21.8	32.8
229	19.3	15.8	23.8

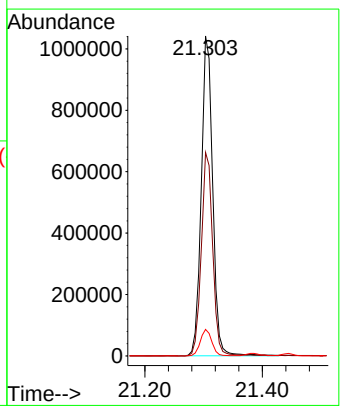


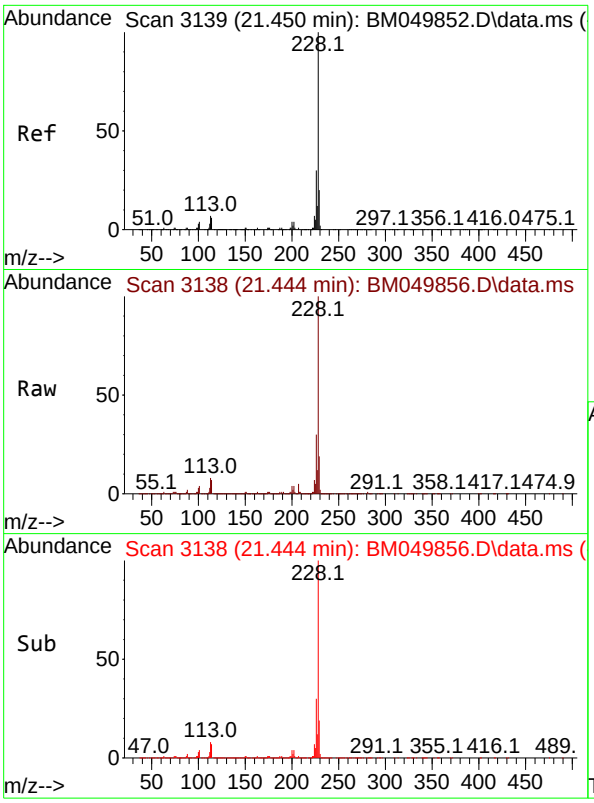


#82
3,3'-Dichlorobenzidine
Concen: 40.707 ng
RT: 21.303 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:252 Resp: 1404639

Ion	Ratio	Lower	Upper
252	100		
254	63.6	51.5	77.3
126	8.3	6.3	9.5



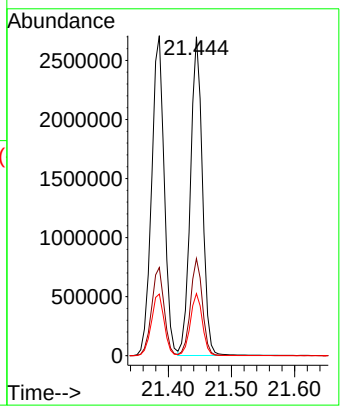


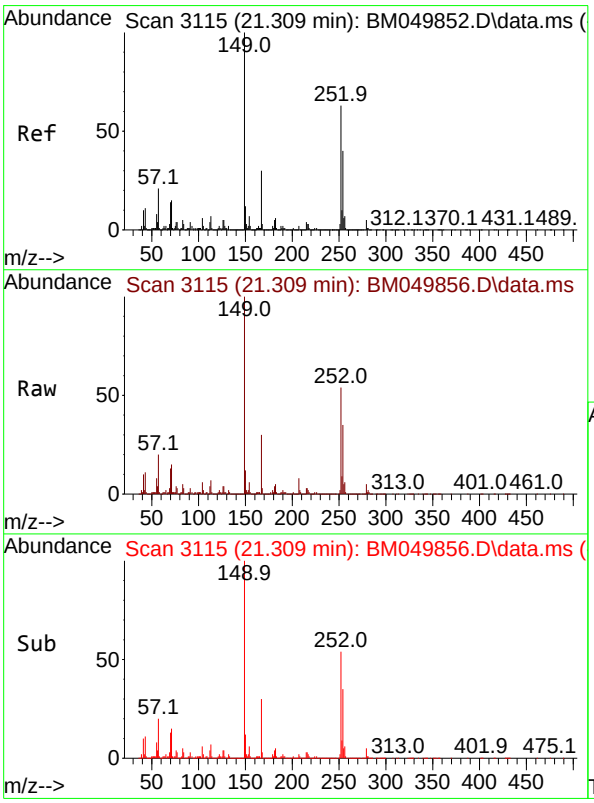
#83
Chrysene
Concen: 41.037 ng
RT: 21.444 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:228 Resp: 3564842

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.1	36.1
229	19.5	15.8	23.6

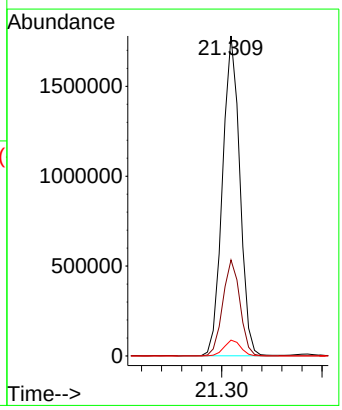


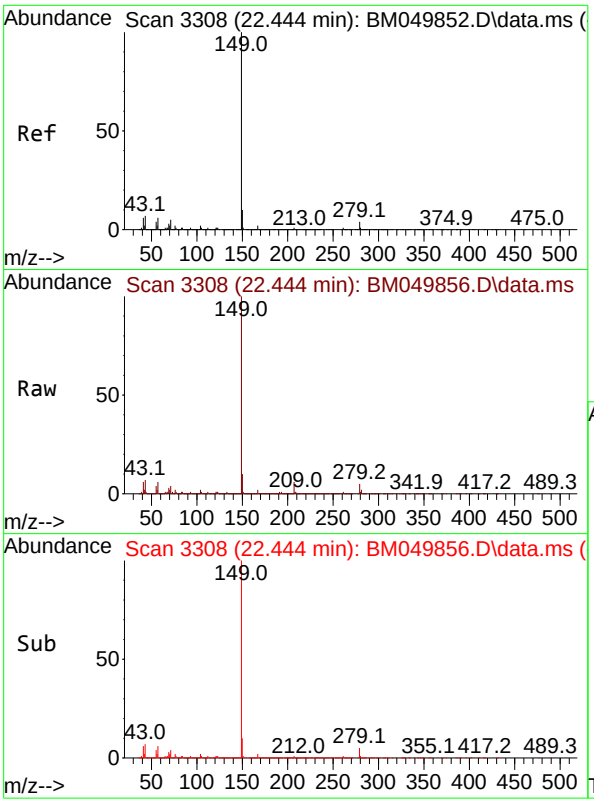


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.067 ng
RT: 21.309 min Scan# 3115
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:149 Resp: 2130265

Ion	Ratio	Lower	Upper
149	100		
167	30.0	23.8	35.6
279	5.0	3.8	5.8



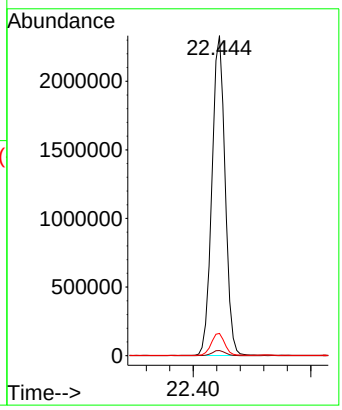


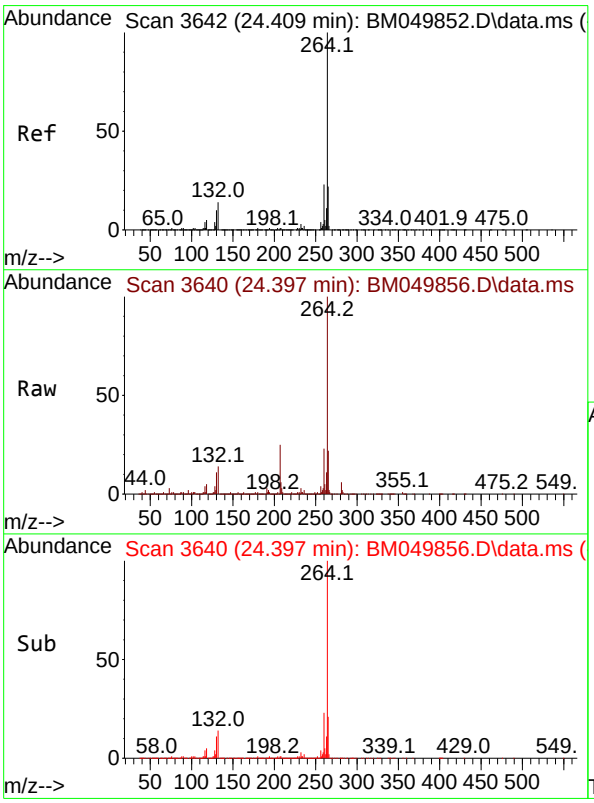
#85
Di-n-octyl phthalate
Concen: 39.835 ng
RT: 22.444 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:149 Resp: 3614929

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.1	5.8	8.6

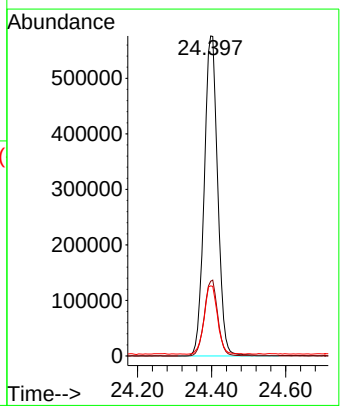


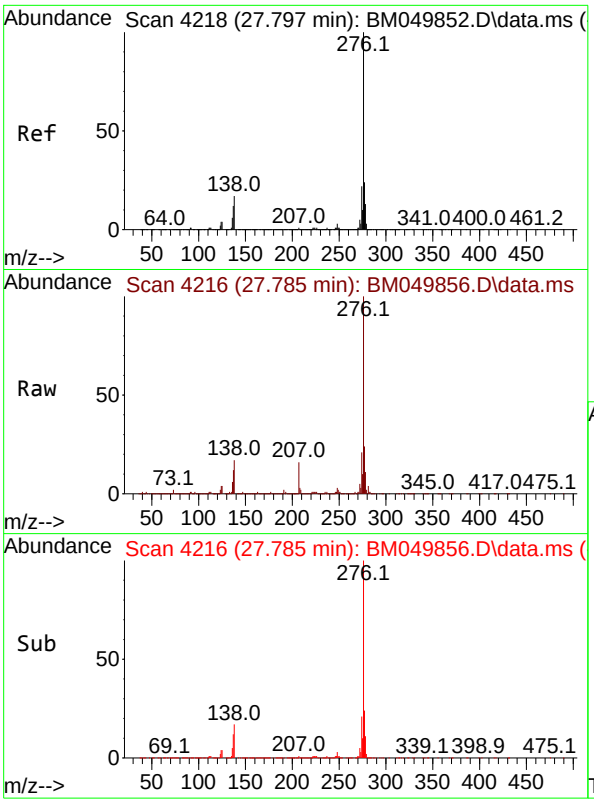


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.397 min Scan# 3640
Delta R.T. -0.012 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:264 Resp: 1454417

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	21.9	17.8	26.8



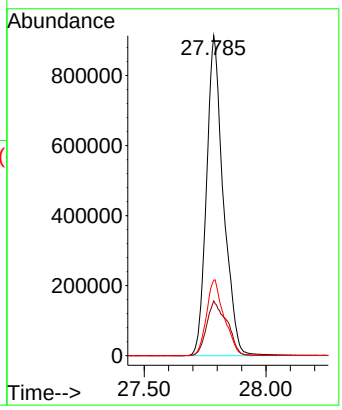


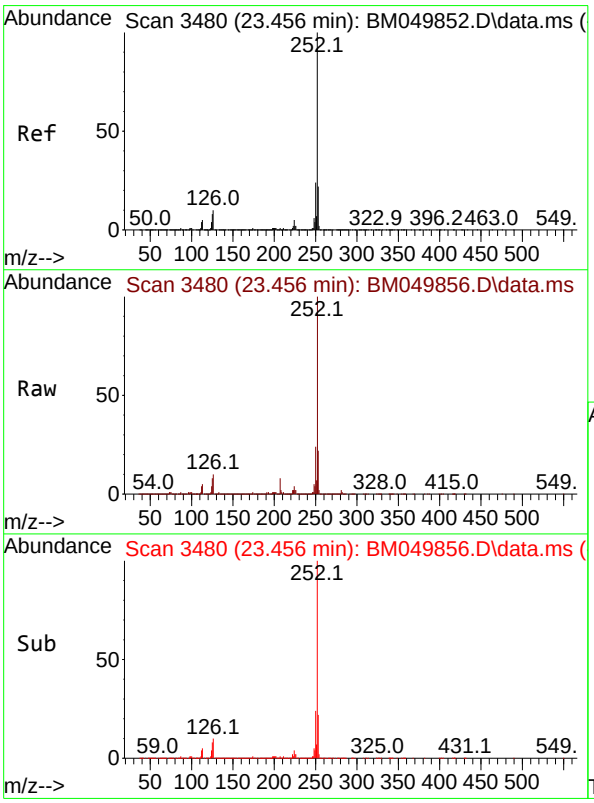
#87
Indeno(1,2,3-cd)pyrene
Concen: 40.380 ng
RT: 27.785 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:276 Resp: 4377775

Ion	Ratio	Lower	Upper
276	100		
138	20.7	16.8	25.2
277	25.0	20.1	30.1

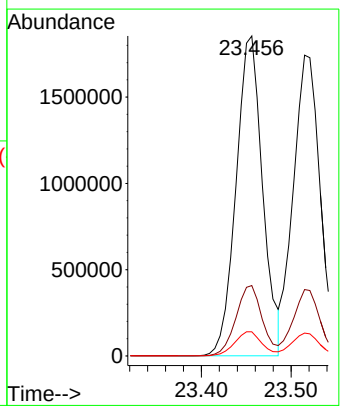


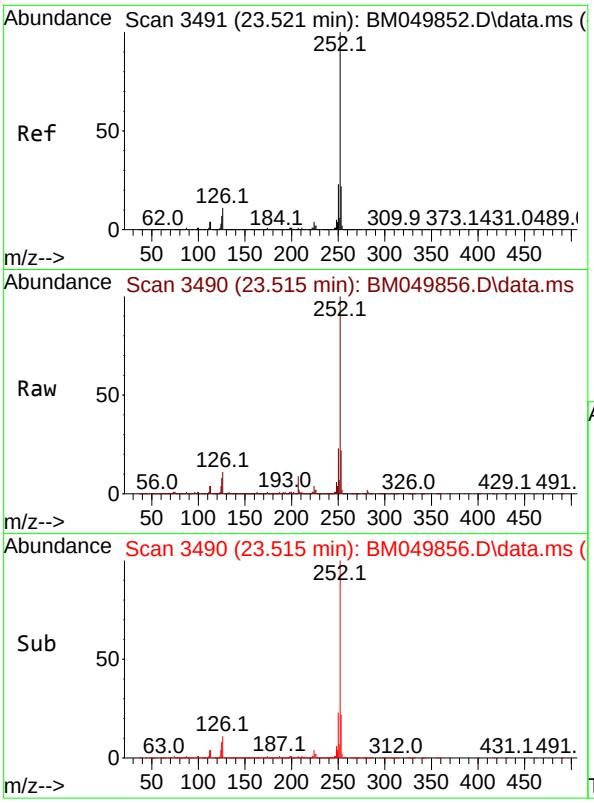


#88
Benzo(b)fluoranthene
Concen: 40.988 ng
RT: 23.456 min Scan# 3480
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:252 Resp: 3807278

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	7.6	6.2	9.4



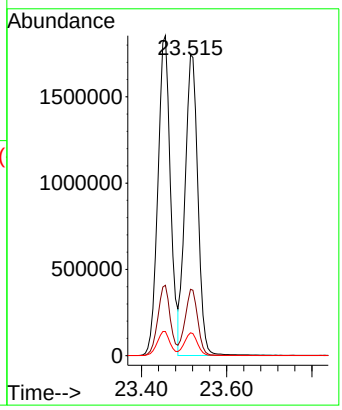


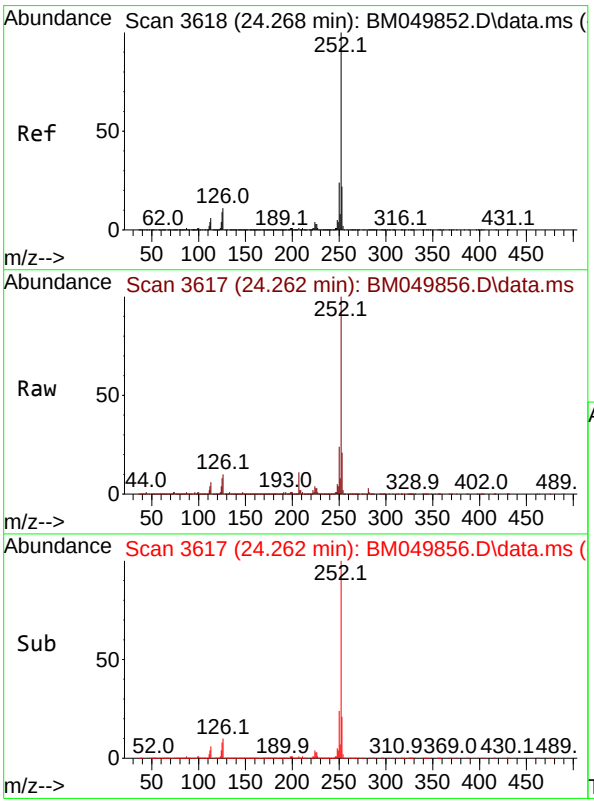
#89
Benzo(k)fluoranthene
Concen: 40.442 ng
RT: 23.515 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:252 Resp: 3640395

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.2
125	7.6	5.8	8.8

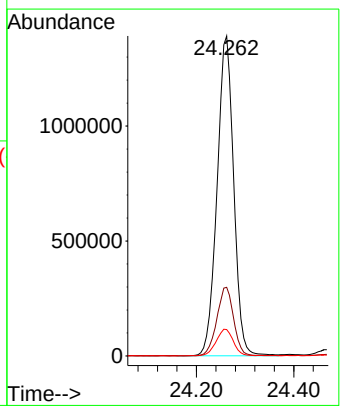


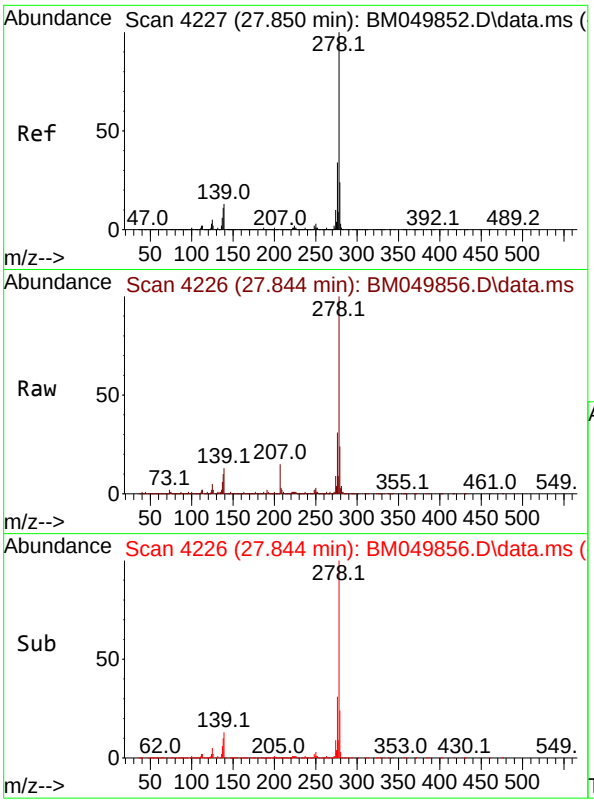


#90
Benzo(a)pyrene
Concen: 40.389 ng
RT: 24.262 min Scan# 3617
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:252 Resp: 3296735

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.8	26.8
125	8.3	7.0	10.4



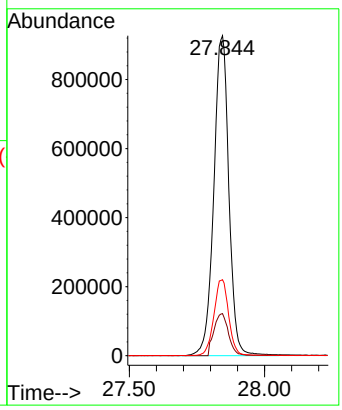


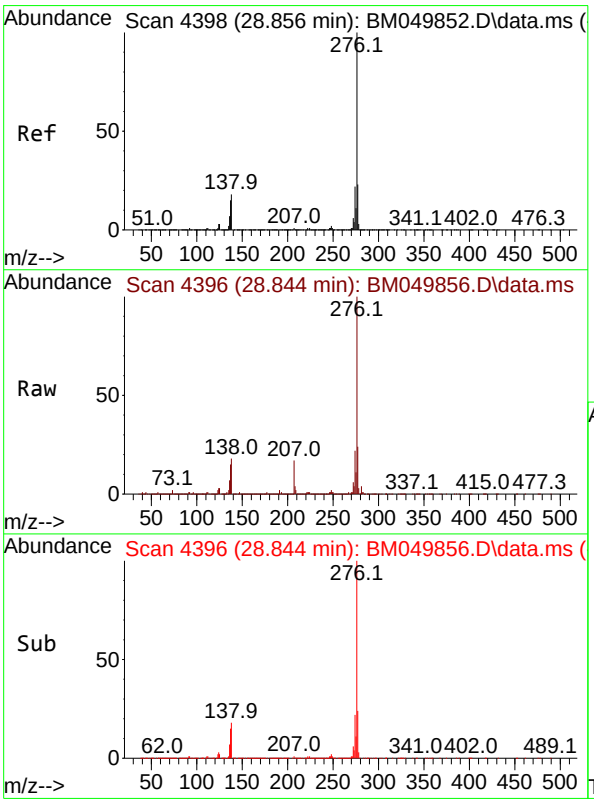
#91
Dibenzo(a,h)anthracene
Concen: 40.189 ng
RT: 27.844 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:278 Resp: 3588859

Ion	Ratio	Lower	Upper
278	100		
139	13.2	10.6	15.8
279	23.7	19.1	28.7

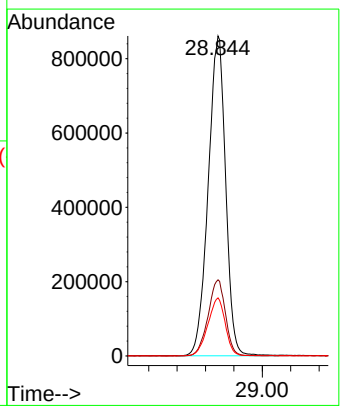




#92
Benzo(g,h,i)perylene
Concen: 40.085 ng
RT: 28.844 min Scan# 4396
Delta R.T. -0.012 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:276 Resp: 3657794

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.7	28.1
138	18.2	14.6	21.8



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049856.D
Acq On : 08 Apr 2025 20:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Quant Time: Apr 09 04:03:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00
2		1,4-Dioxane	0.485	0.474	2.3	101	0.00
3		Pyridine	1.274	1.250	1.9	101	0.00
4		n-Nitrosodimethylamine	0.485	0.479	1.2	102	0.00
5	S	2-Fluorophenol	1.178	1.171	0.6	103	0.00
6		Aniline	1.256	1.307	-4.1	103	0.00
7	S	Phenol-d6	1.465	1.461	0.3	102	0.00
8		2-Chlorophenol	1.207	1.203	0.3	103	0.00
9		Benzaldehyde	0.752	0.759	-0.9	106	0.00
10	C	Phenol	1.430	1.420	0.7	103	0.00
11		bis(2-Chloroethyl)ether	1.121	1.118	0.3	103	0.00
12		1,3-Dichlorobenzene	1.427	1.423	0.3	103	0.00
13	C	1,4-Dichlorobenzene	1.436	1.424	0.8	102	0.00
14		1,2-Dichlorobenzene	1.352	1.356	-0.3	103	0.00
15		Benzyl Alcohol	0.923	0.929	-0.7	102	0.00
16		2,2'-oxybis(1-Chloropropane	1.250	1.249	0.1	103	0.00
17		2-Methylphenol	0.881	0.883	-0.2	103	0.00
18		Hexachloroethane	0.500	0.496	0.8	103	0.00
19	P	n-Nitroso-di-n-propylamine	0.812	0.833	-2.6	104	0.00
20		3+4-Methylphenols	1.201	1.205	-0.3	103	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	104	0.00
22		Acetophenone	0.486	0.500	-2.9	104	0.00
23	S	Nitrobenzene-d5	0.359	0.371	-3.3	105	0.00
24		Nitrobenzene	0.346	0.352	-1.7	103	0.00
25		Isophorone	0.602	0.619	-2.8	104	0.00
26	C	2-Nitrophenol	0.183	0.190	-3.8	104	0.00
27		2,4-Dimethylphenol	0.208	0.213	-2.4	104	0.00
28		bis(2-Chloroethoxy)methane	0.403	0.412	-2.2	104	0.00
29	C	2,4-Dichlorophenol	0.345	0.356	-3.2	105	0.00
30		1,2,4-Trichlorobenzene	0.399	0.404	-1.3	104	0.00
31		Naphthalene	1.028	1.043	-1.5	104	0.00
32		Benzoic acid	0.220	0.258	-17.3	116	0.01
33		4-Chloroaniline	0.363	0.383	-5.5	104	0.00
34	C	Hexachlorobutadiene	0.247	0.251	-1.6	105	0.00
35		Caprolactam	0.099	0.103	-4.0	105	0.00
36	C	4-Chloro-3-methylphenol	0.302	0.315	-4.3	106	0.00
37		2-Methylnaphthalene	0.724	0.745	-2.9	105	0.00
38		1-Methylnaphthalene	0.705	0.721	-2.3	105	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	106	0.00
40		1,2,4,5-Tetrachlorobenzene	0.700	0.712	-1.7	107	0.00
41	P	Hexachlorocyclopentadiene	0.245	0.255	-4.1	102	0.00
42	S	2,4,6-Tribromophenol	0.291	0.304	-4.5	110	0.00
43	C	2,4,6-Trichlorophenol	0.445	0.460	-3.4	106	0.00
44		2,4,5-Trichlorophenol	0.484	0.501	-3.5	106	0.00
45	S	2-Fluorobiphenyl	1.475	1.517	-2.8	106	0.00
46		1,1'-Biphenyl	1.487	1.527	-2.7	106	0.00
47		2-Chloronaphthalene	1.169	1.190	-1.8	106	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049856.D
Acq On : 08 Apr 2025 20:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Quant Time: Apr 09 04:03:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.270	0.283	-4.8	106	0.00
49		Acenaphthylene	1.702	1.758	-3.3	107	0.00
50		Dimethylphthalate	1.411	1.467	-4.0	108	0.00
51		2,6-Dinitrotoluene	0.296	0.315	-6.4	108	0.00
52	C	Acenaphthene	1.083	1.124	-3.8	107	0.00
53		3-Nitroaniline	0.286	0.315	-10.1	108	0.00
54	P	2,4-Dinitrophenol	0.175	0.191	-9.1	110	0.00
55		Dibenzofuran	1.810	1.882	-4.0	108	0.00
56	P	4-Nitrophenol	0.255	0.278	-9.0	109	0.00
57		2,4-Dinitrotoluene	0.394	0.430	-9.1	108	0.00
58		Fluorene	1.439	1.501	-4.3	108	0.00
59		2,3,4,6-Tetrachlorophenol	0.424	0.442	-4.2	110	0.00
60		Diethylphthalate	1.353	1.415	-4.6	108	0.00
61		4-Chlorophenyl-phenylether	0.771	0.810	-5.1	109	0.00
62		4-Nitroaniline	0.295	0.325	-10.2	108	0.00
63		Azobenzene	1.158	1.213	-4.7	107	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	109	0.00
65		4,6-Dinitro-2-methylphenol	0.126	0.129	-2.4	107	0.00
66	c	n-Nitrosodiphenylamine	0.599	0.615	-2.7	108	0.00
67		4-Bromophenyl-phenylether	0.232	0.238	-2.6	109	0.00
68		Hexachlorobenzene	0.266	0.272	-2.3	109	0.00
69		Atrazine	0.155	0.128	17.4	108	0.00
70	C	Pentachlorophenol	0.196	0.199	-1.5	106	0.00
71		Phenanthrene	1.096	1.132	-3.3	109	0.00
72		Anthracene	1.081	1.121	-3.7	109	0.00
73		Carbazole	1.018	1.054	-3.5	109	0.00
74		Di-n-butylphthalate	1.172	1.194	-1.9	107	0.00
75	C	Fluoranthene	1.348	1.393	-3.3	110	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	108	0.00
77		Benzidine	0.265	0.251	5.3	67	0.00
78		Pyrene	1.378	1.429	-3.7	109	0.00
79	S	Terphenyl-d14	1.067	1.213	-13.7	110	0.00
80		Butylbenzylphthalate	0.518	0.528	-1.9	106	0.00
81		Benzo(a)anthracene	1.329	1.373	-3.3	109	0.00
82		3,3'-Dichlorobenzidine	0.502	0.511	-1.8	105	0.00
83		Chrysene	1.264	1.296	-2.5	108	0.00
84		Bis(2-ethylhexyl)phthalate	0.755	0.775	-2.6	106	0.00
85	c	Di-n-octyl phthalate	1.320	1.315	0.4	104	0.00
86	I	Perylene-d12	1.000	1.000	0.0	105	-0.01
87		Indeno(1,2,3-cd)pyrene	1.491	1.505	-0.9	105	-0.01
88		Benzo(b)fluoranthene	1.277	1.309	-2.5	105	0.00
89		Benzo(k)fluoranthene	1.238	1.251	-1.1	106	0.00
90	C	Benzo(a)pyrene	1.122	1.133	-1.0	105	0.00
91		Dibenzo(a,h)anthracene	1.228	1.234	-0.5	104	0.00
92		Benzo(g,h,i)perylene	1.255	1.257	-0.2	105	-0.01

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049856.D
Acq On : 08 Apr 2025 20:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Quant Time: Apr 09 04:03:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049856.D
Acq On : 08 Apr 2025 20:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Quant Time: Apr 09 04:03:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	104	0.00
2		1,4-Dioxane	40.000	39.056	2.4	101	0.00
3		Pyridine	40.000	39.231	1.9	101	0.00
4		n-Nitrosodimethylamine	40.000	39.502	1.2	102	0.00
5	S	2-Fluorophenol	80.000	79.537	0.6	103	0.00
6		Aniline	40.000	41.621	-4.1	103	0.00
7	S	Phenol-d6	80.000	79.779	0.3	102	0.00
8		2-Chlorophenol	40.000	39.865	0.3	103	0.00
9		Benzaldehyde	40.000	40.391	-1.0	106	0.00
10	C	Phenol	40.000	39.708	0.7	103	0.00
11		bis(2-Chloroethyl)ether	40.000	39.877	0.3	103	0.00
12		1,3-Dichlorobenzene	40.000	39.874	0.3	103	0.00
13	C	1,4-Dichlorobenzene	40.000	39.681	0.8	102	0.00
14		1,2-Dichlorobenzene	40.000	40.092	-0.2	103	0.00
15		Benzyl Alcohol	40.000	40.260	-0.6	102	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	39.960	0.1	103	0.00
17		2-Methylphenol	40.000	40.092	-0.2	103	0.00
18		Hexachloroethane	40.000	39.677	0.8	103	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	41.040	-2.6	104	0.00
20		3+4-Methylphenols	40.000	40.132	-0.3	103	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	104	0.00
22		Acetophenone	40.000	41.119	-2.8	104	0.00
23	S	Nitrobenzene-d5	80.000	82.580	-3.2	105	0.00
24		Nitrobenzene	40.000	40.732	-1.8	103	0.00
25		Isophorone	40.000	41.165	-2.9	104	0.00
26	C	2-Nitrophenol	40.000	41.481	-3.7	104	0.00
27		2,4-Dimethylphenol	40.000	41.022	-2.6	104	0.00
28		bis(2-Chloroethoxy)methane	40.000	40.868	-2.2	104	0.00
29	C	2,4-Dichlorophenol	40.000	41.249	-3.1	105	0.00
30		1,2,4-Trichlorobenzene	40.000	40.409	-1.0	104	0.00
31		Naphthalene	40.000	40.582	-1.5	104	0.00
32		Benzoic acid	40.000	41.427	-3.6	116	0.01
33		4-Chloroaniline	40.000	42.177	-5.4	104	0.00
34	C	Hexachlorobutadiene	40.000	40.688	-1.7	105	0.00
35		Caprolactam	40.000	41.519	-3.8	105	0.00
36	C	4-Chloro-3-methylphenol	40.000	41.604	-4.0	106	0.00
37		2-Methylnaphthalene	40.000	41.181	-3.0	105	0.00
38		1-Methylnaphthalene	40.000	40.865	-2.2	105	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	106	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.724	-1.8	107	0.00
41	P	Hexachlorocyclopentadiene	40.000	41.571	-3.9	102	0.00
42	S	2,4,6-Tribromophenol	80.000	83.550	-4.4	110	0.00
43	C	2,4,6-Trichlorophenol	40.000	41.361	-3.4	106	0.00
44		2,4,5-Trichlorophenol	40.000	41.410	-3.5	106	0.00
45	S	2-Fluorobiphenyl	80.000	82.271	-2.8	106	0.00
46		1,1'-Biphenyl	40.000	41.097	-2.7	106	0.00
47		2-Chloronaphthalene	40.000	40.719	-1.8	106	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049856.D
Acq On : 08 Apr 2025 20:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Quant Time: Apr 09 04:03:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	41.831	-4.6	106	0.00
49		Acenaphthylene	40.000	41.321	-3.3	107	0.00
50		Dimethylphthalate	40.000	41.593	-4.0	108	0.00
51		2,6-Dinitrotoluene	40.000	42.625	-6.6	108	0.00
52	C	Acenaphthene	40.000	41.534	-3.8	107	0.00
53		3-Nitroaniline	40.000	44.041	-10.1	108	0.00
54	P	2,4-Dinitrophenol	40.000	39.689	0.8	110	0.00
55		Dibenzofuran	40.000	41.581	-4.0	108	0.00
56	P	4-Nitrophenol	40.000	43.685	-9.2	109	0.00
57		2,4-Dinitrotoluene	40.000	43.627	-9.1	108	0.00
58		Fluorene	40.000	41.729	-4.3	108	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	41.690	-4.2	110	0.00
60		Diethylphthalate	40.000	41.839	-4.6	108	0.00
61		4-Chlorophenyl-phenylether	40.000	41.984	-5.0	109	0.00
62		4-Nitroaniline	40.000	44.058	-10.1	108	0.00
63		Azobenzene	40.000	41.869	-4.7	107	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	109	0.00
65		4,6-Dinitro-2-methylphenol	40.000	41.037	-2.6	107	0.00
66	c	n-Nitrosodiphenylamine	40.000	41.081	-2.7	108	0.00
67		4-Bromophenyl-phenylether	40.000	41.024	-2.6	109	0.00
68		Hexachlorobenzene	40.000	40.782	-2.0	109	0.00
69		Atrazine	40.000	32.937	17.7	108	0.00
70	C	Pentachlorophenol	40.000	40.626	-1.6	106	0.00
71		Phenanthrene	40.000	41.280	-3.2	109	0.00
72		Anthracene	40.000	41.490	-3.7	109	0.00
73		Carbazole	40.000	41.424	-3.6	109	0.00
74		Di-n-butylphthalate	40.000	40.739	-1.8	107	0.00
75	C	Fluoranthene	40.000	41.327	-3.3	110	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	108	0.00
77		Benzidine	40.000	37.866	5.3	67	0.00
78		Pyrene	40.000	41.482	-3.7	109	0.00
79	S	Terphenyl-d14	80.000	90.949	-13.7	110	0.00
80		Butylbenzylphthalate	40.000	40.807	-2.0	106	0.00
81		Benzo(a)anthracene	40.000	41.314	-3.3	109	0.00
82		3,3'-Dichlorobenzidine	40.000	40.707	-1.8	105	0.00
83		Chrysene	40.000	41.037	-2.6	108	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	41.067	-2.7	106	0.00
85	c	Di-n-octyl phthalate	40.000	39.835	0.4	104	0.00
86	I	Perylene-d12	20.000	20.000	0.0	105	-0.01
87		Indeno(1,2,3-cd)pyrene	40.000	40.380	-1.0	105	-0.01
88		Benzo(b)fluoranthene	40.000	40.988	-2.5	105	0.00
89		Benzo(k)fluoranthene	40.000	40.442	-1.1	106	0.00
90	C	Benzo(a)pyrene	40.000	40.389	-1.0	105	0.00
91		Dibenzo(a,h)anthracene	40.000	40.189	-0.5	104	0.00
92		Benzo(g,h,i)perylene	40.000	40.085	-0.2	105	-0.01

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049856.D
Acq On : 08 Apr 2025 20:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Quant Time: Apr 09 04:03:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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.: Q1761 SAS No.: Q1761 SDG No.: Q1761

Instrument ID: BNA_M Calibration Date/Time: 04/11/2025 09:37

Lab File ID: BM049893.D Init. Calib. Date(s): 04/08/2025 04/08/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:35 20:07

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.178	1.163		-1.3	
Phenol-d6	1.465	1.462		-0.2	
Nitrobenzene-d5	0.359	0.359		0.0	
Naphthalene	1.028	1.029		0.1	
2-Fluorobiphenyl	1.475	1.507		2.2	
Acenaphthylene	1.702	1.713		0.6	
Acenaphthene	1.083	1.090		0.6	20.0
Fluorene	1.439	1.417		-1.5	
2,4,6-Tribromophenol	0.291	0.301		3.4	
Phenanthrene	1.096	1.113		1.6	
Anthracene	1.081	1.100		1.8	
Fluoranthene	1.348	1.335		-1.0	20.0
Pyrene	1.378	1.461		6.0	
Terphenyl-d14	1.067	1.192		11.7	
Benzo(a)anthracene	1.329	1.349		1.5	
Chrysene	1.264	1.285		1.7	
Benzo(b)fluoranthene	1.277	1.270		-0.5	
Benzo(k)fluoranthene	1.238	1.224		-1.1	
Benzo(a)pyrene	1.122	1.121		-0.1	20.0
Indeno(1,2,3-cd)pyrene	1.491	1.476		-1.0	
Dibenzo(a,h)anthracene	1.228	1.216		-1.0	
Benzo(g,h,i)perylene	1.255	1.234		-1.7	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041125\
Data File : BM049893.D
Acq On : 11 Apr 2025 09:37
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 11 11:40:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli

04/14/2025
Supervised By :Jagrut Upadhyay

04/14/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	441251	20.000	ng	0.00
21) Naphthalene-d8	10.575	136	1506253	20.000	ng	0.00
39) Acenaphthene-d10	14.422	164	949286	20.000	ng	0.00
64) Phenanthrene-d10	17.163	188	1809671	20.000	ng	0.00
76) Chrysene-d12	21.403	240	1670661	20.000	ng	0.00
86) Perylene-d12	24.403	264	1828451	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	2052524	78.988	ng	0.00
7) Phenol-d6	6.951	99	2580696	79.822	ng	0.00
23) Nitrobenzene-d5	8.934	82	2161110	79.895	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	1144012	82.853	ng	0.00
45) 2-Fluorobiphenyl	13.039	172	5723635	81.759	ng	0.00
79) Terphenyl-d14	19.786	244	7967919	89.379	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.258	88	403062	37.663	ng	100
3) Pyridine	3.658	79	1076202	38.276	ng	99
4) n-Nitrosodimethylamine	3.569	42	422911	39.523	ng	99
6) Aniline	7.104	93	1142499	41.241	ng	99
8) 2-Chlorophenol	7.346	128	1075337	40.381	ng	99
9) Benzaldehyde	6.916	77	610922	36.822	ng	99
10) Phenol	6.981	94	1263760	40.056	ng	98
11) bis(2-Chloroethyl)ether	7.198	93	1007522	40.722	ng	99
12) 1,3-Dichlorobenzene	7.669	146	1266739	40.234	ng	98
13) 1,4-Dichlorobenzene	7.810	146	1269022	40.058	ng	99
14) 1,2-Dichlorobenzene	8.128	146	1198507	40.166	ng	100
15) Benzyl Alcohol	8.016	79	835246	41.027	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.304	45	1111376	40.302	ng	99
17) 2-Methylphenol	8.228	107	782991	40.272	ng	99
18) Hexachloroethane	8.857	117	426753	38.720	ng	94
19) n-Nitroso-di-n-propyla...	8.587	70	720844	40.256	ng	100
20) 3+4-Methylphenols	8.551	107	1066425	40.232	ng	100
22) Acetophenone	8.598	105	1456007	39.774	ng	99
24) Nitrobenzene	8.975	77	1031197	39.591	ng	98
25) Isophorone	9.504	82	1811865	39.985	ng	98
26) 2-Nitrophenol	9.687	139	587146	42.532	ng	99
27) 2,4-Dimethylphenol	9.751	122	646474	41.322	ng	98
28) bis(2-Chloroethoxy)met...	9.987	93	1226657	40.435	ng	99
29) 2,4-Dichlorophenol	10.228	162	1074647	41.323	ng	99
30) 1,2,4-Trichlorobenzene	10.439	180	1234228	41.025	ng	99
31) Naphthalene	10.622	128	3099954	40.053	ng	99
32) Benzoic acid	9.904	122	761311m	40.814	ng	
33) 4-Chloroaniline	10.728	127	1100699	40.274	ng	98
34) Hexachlorobutadiene	10.910	225	777005	41.753	ng	98
35) Caprolactam	11.516	113	282938	37.934	ng	98
36) 4-Chloro-3-methylphenol	11.863	107	917317	40.269	ng	98
37) 2-Methylnaphthalene	12.239	142	2229095	40.877	ng	98
38) 1-Methylnaphthalene	12.457	142	2160383	40.665	ng	100
40) 1,2,4,5-Tetrachloroben...	12.610	216	1391054	41.886	ng	99
41) Hexachlorocyclopentadiene	12.592	237	507299	43.593	ng	99
43) 2,4,6-Trichlorophenol	12.851	196	889589	42.095	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041125\
Data File : BM049893.D
Acq On : 11 Apr 2025 09:37
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 11 11:40:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli

04/14/2025

Supervised By :Jagrut Upadhyay

04/14/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.928	196	954020	41.542	ng		97
46) 1,1'-Biphenyl	13.251	154	2863960	40.585	ng		99
47) 2-Chloronaphthalene	13.292	162	2218514	39.999	ng		99
48) 2-Nitroaniline	13.498	65	517715	40.347	ng		98
49) Acenaphthylene	14.139	152	3253075	40.265	ng		99
50) Dimethylphthalate	13.880	163	2686724	40.118	ng		100
51) 2,6-Dinitrotoluene	13.992	165	575495	41.015	ng		99
52) Acenaphthene	14.486	154	2068831	40.257	ng		100
53) 3-Nitroaniline	14.322	138	545791	40.246	ng		97
54) 2,4-Dinitrophenol	14.533	184	351019	38.650	ng		98
55) Dibenzofuran	14.822	168	3472091	40.415	ng		98
56) 4-Nitrophenol	14.645	139	480677	39.775	ng		96
57) 2,4-Dinitrotoluene	14.786	165	779251	41.629	ng		95
58) Fluorene	15.469	166	2689379	39.383	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.051	232	812201	40.351	ng		97
60) Diethylphthalate	15.245	149	2508205	39.054	ng		98
61) 4-Chlorophenyl-phenyle...	15.463	204	1487738	40.635	ng		99
62) 4-Nitroaniline	15.486	138	554427	39.533	ng		99
63) Azobenzene	15.757	77	2117737	38.515	ng		96
65) 4,6-Dinitro-2-methylph...	15.551	198	480083	42.099	ng		97
66) n-Nitrosodiphenylamine	15.680	169	2238174	41.328	ng		99
67) 4-Bromophenyl-phenylether	16.357	248	909224	43.280	ng		96
68) Hexachlorobenzene	16.474	284	1014015	42.081	ng		98
69) Atrazine	16.627	200	570004	40.593	ng		98
70) Pentachlorophenol	16.816	266	707166	39.861	ng		99
71) Phenanthrene	17.204	178	4028350	40.603	ng		100
72) Anthracene	17.298	178	3981381	40.721	ng		100
73) Carbazole	17.563	167	3662036	39.766	ng		99
74) Di-n-butylphthalate	18.133	149	4235598	39.932	ng		99
75) Fluoranthene	19.221	202	4833067	39.620	ng		99
77) Benzidine	19.404	184	1406357	63.453	ng		100
78) Pyrene	19.586	202	4880250	42.386	ng		99
80) Butylbenzylphthalate	20.480	149	1793803	41.462	ng		99
81) Benzo(a)anthracene	21.386	228	4507995	40.601	ng		100
82) 3,3'-Dichlorobenzidine	21.303	252	1722764	41.087	ng		99
83) Chrysene	21.445	228	4292693	40.667	ng		99
84) Bis(2-ethylhexyl)phtha...	21.309	149	2514897	39.898	ng	#	98
85) Di-n-octyl phthalate	22.439	149	4424282	40.121	ng		99
87) Indeno(1,2,3-cd)pyrene	27.791	276	5398771	39.611	ng		99
88) Benzo(b)fluoranthene	23.456	252	4643112	39.761	ng		99
89) Benzo(k)fluoranthene	23.521	252	4475491	39.549	ng		100
90) Benzo(a)pyrene	24.262	252	4100423	39.959	ng		99
91) Dibenzo(a,h)anthracene	27.844	278	4448053	39.621	ng		99
92) Benzo(g,h,i)perylene	28.844	276	4514071	39.349	ng		99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041125\
Data File : BM049893.D
Acq On : 11 Apr 2025 09:37
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 11 11:40:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

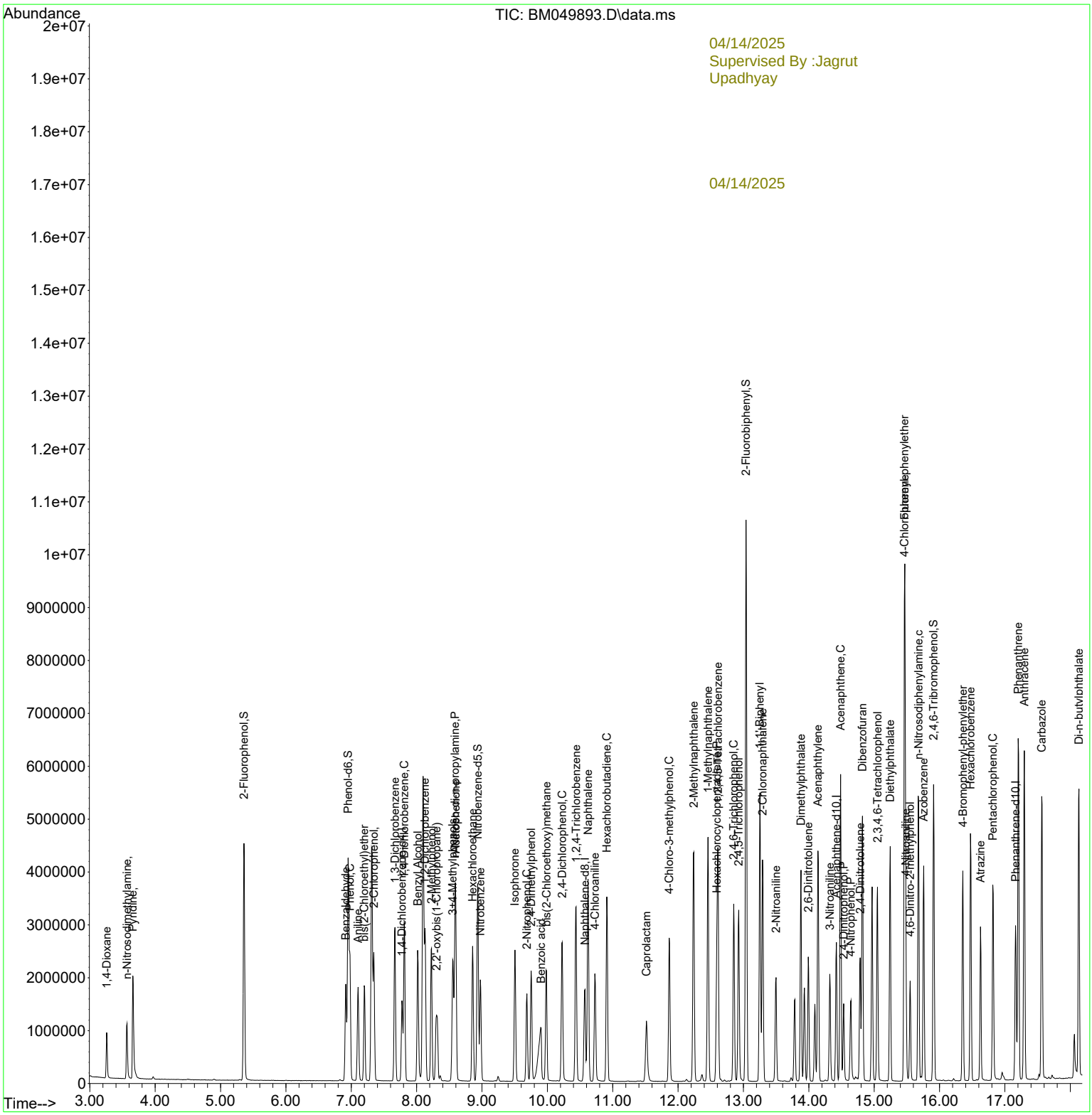
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli

04/14/2025
Supervised By :Jagrut Upadhyay

04/14/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041125\
Data File : BM049893.D
Acq On : 11 Apr 2025 09:37
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 11 11:40:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

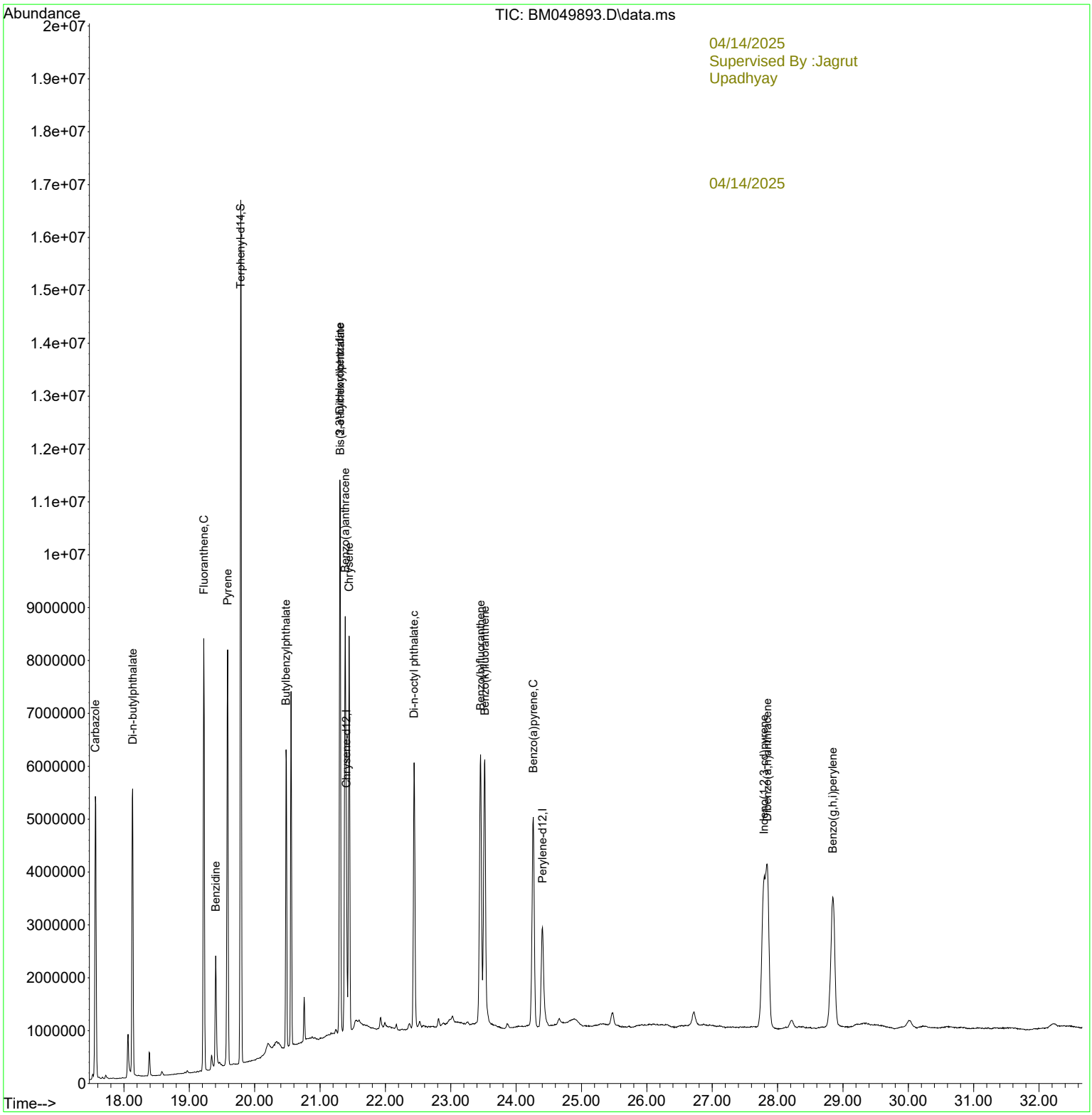
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

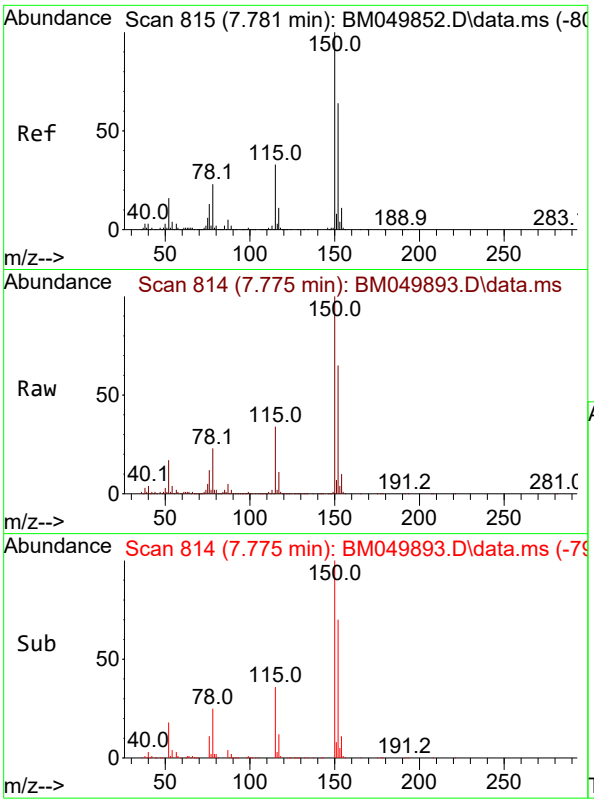
Manual Integrations APPROVED

Reviewed By :Rahul Chavli

04/14/2025
Supervised By :Jagrut Upadhyay

04/14/2025

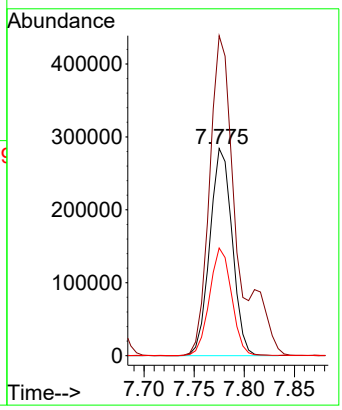




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.775 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:152 Resp: 44125

Ion	Ratio	Lower	Upper
152	100		
150	154.4	124.3	186.5
115	52.0	41.1	61.7



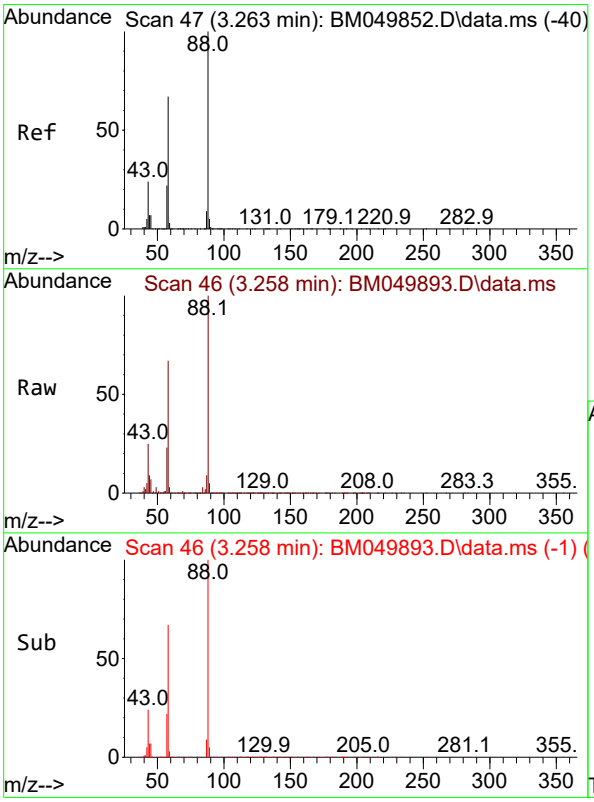
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BNA_M
ClientSampleId :
SSTDCCC040

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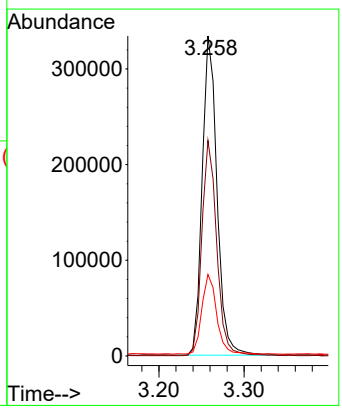
04/14/2025

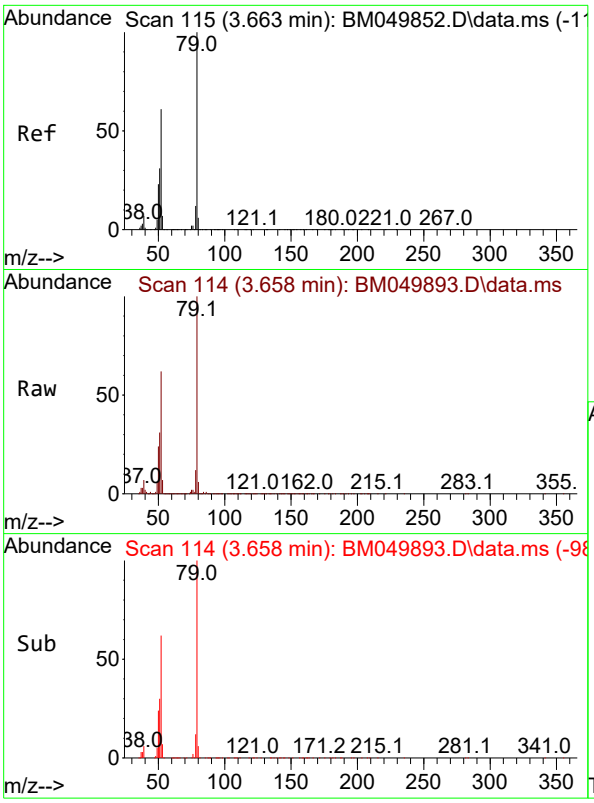


#2
1,4-Dioxane
Concen: 37.663 ng
RT: 3.258 min Scan# 46
Delta R.T. -0.006 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion: 88 Resp: 403062

Ion	Ratio	Lower	Upper
88	100		
58	67.6	54.1	81.1
43	25.2	20.2	30.4

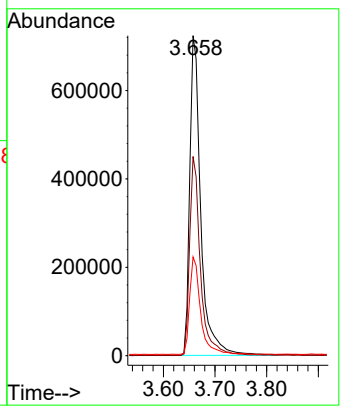




#3
Pyridine
Concen: 38.276 ng
RT: 3.658 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion: 79 Resp: 107620

Ion	Ratio	Lower	Upper
79	100		
52	62.3	48.9	73.3
51	30.8	25.0	37.6



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

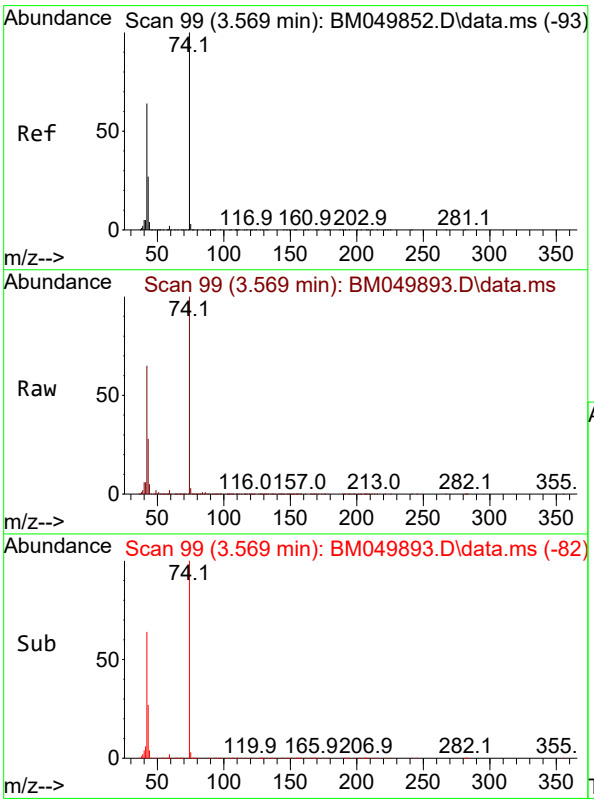
Manual Integrations APPROVED

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Supervised By :Jagrut Upadhyay

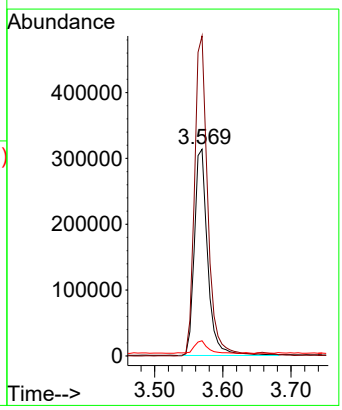
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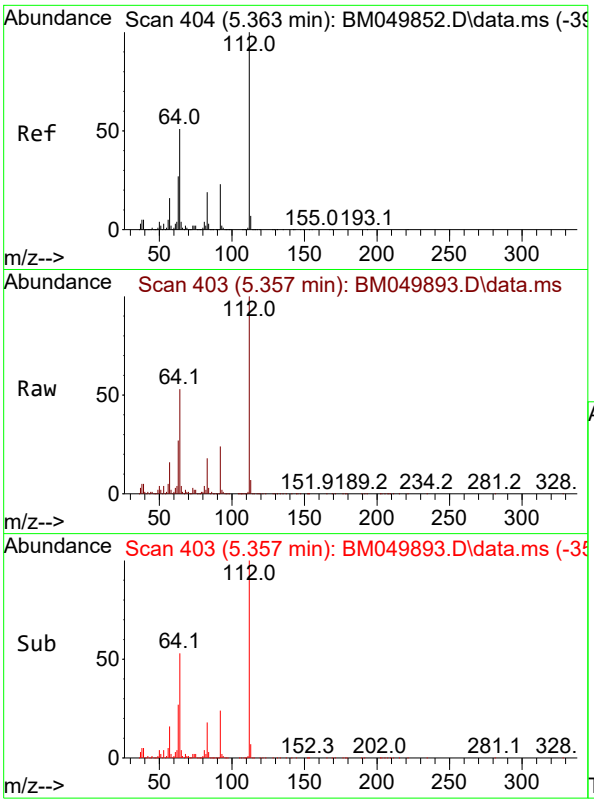


#4
n-Nitrosodimethylamine
Concen: 39.523 ng
RT: 3.569 min Scan# 99
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion: 42 Resp: 422911

Ion	Ratio	Lower	Upper
42	100		
74	154.8	125.4	188.2
44	7.3	5.9	8.9

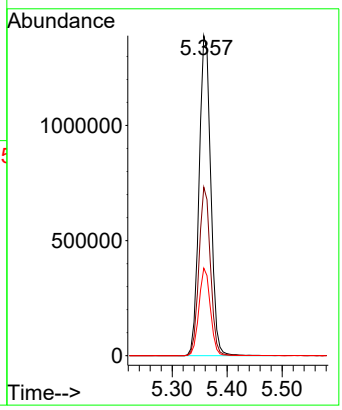




#5
2-Fluorophenol
Concen: 78.988 ng
RT: 5.357 min Scan# 40
Delta R.T. -0.006 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:112 Resp: 205252

Ion	Ratio	Lower	Upper
112	100		
64	52.7	41.0	61.6
63	27.4	21.5	32.3



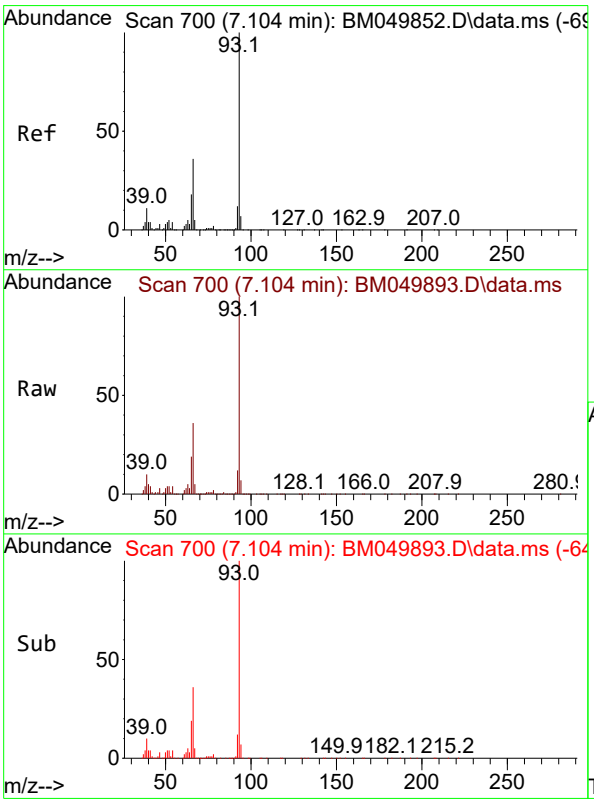
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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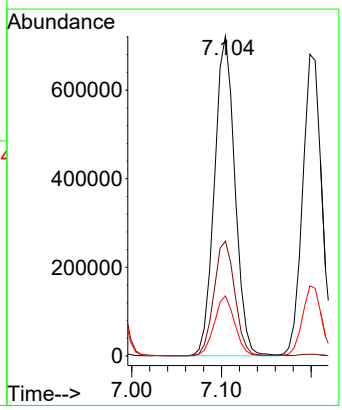
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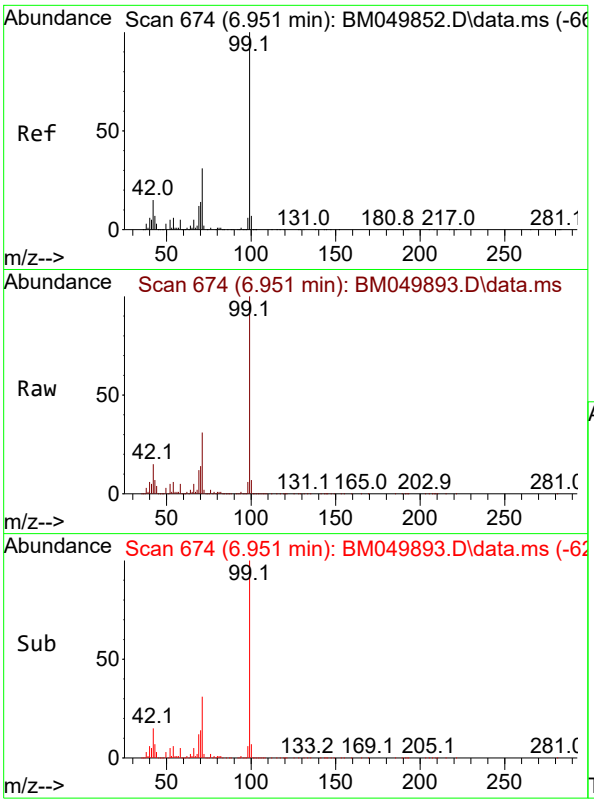


#6
Aniline
Concen: 41.241 ng
RT: 7.104 min Scan# 700
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion: 93 Resp: 1142499

Ion	Ratio	Lower	Upper
93	100		
66	35.9	29.1	43.7
65	18.8	14.9	22.3

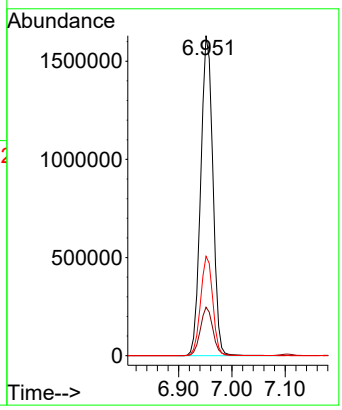




#7
Phenol-d6
Concen: 79.822 ng
RT: 6.951 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion: 99 Resp: 258069

Ion	Ratio	Lower	Upper
99	100		
42	15.1	12.1	18.1
71	31.1	24.9	37.3



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

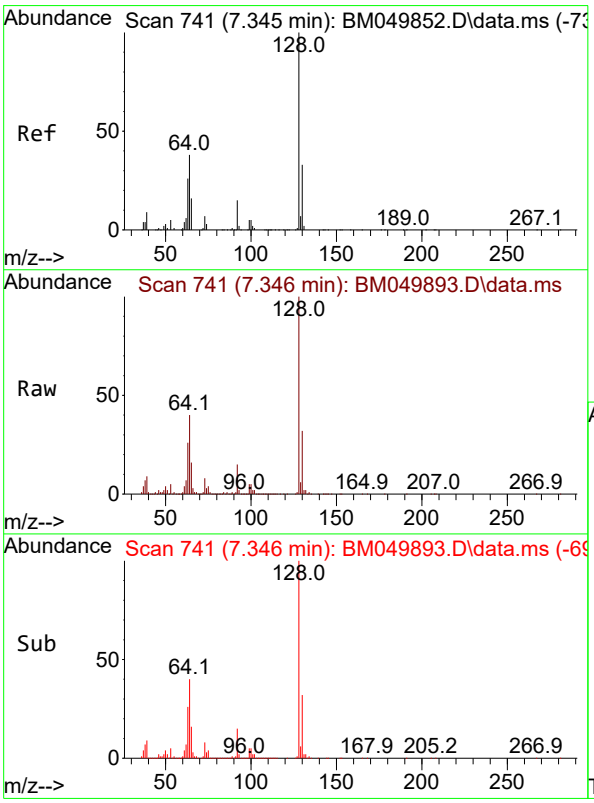
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Reviewed By :Rahul Chavli

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Supervised By :Jagrut Upadhyay

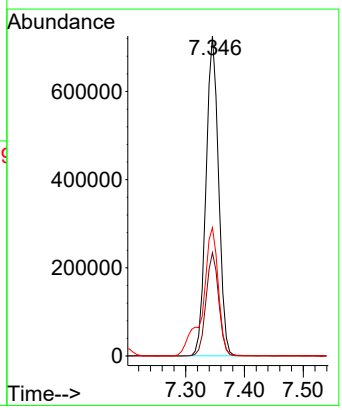
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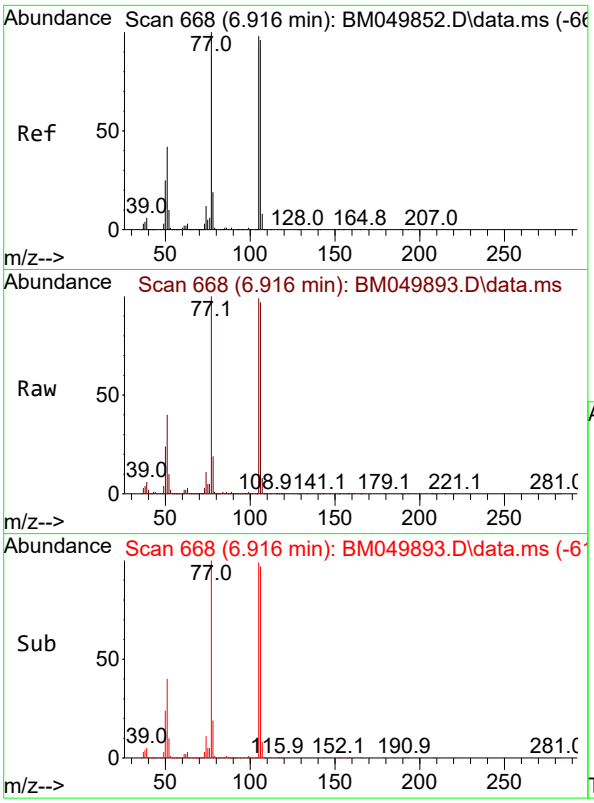


#8
2-Chlorophenol
Concen: 40.381 ng
RT: 7.346 min Scan# 741
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:128 Resp: 1075337

Ion	Ratio	Lower	Upper
128	100		
130	32.2	12.6	52.6
64	40.1	21.1	61.1

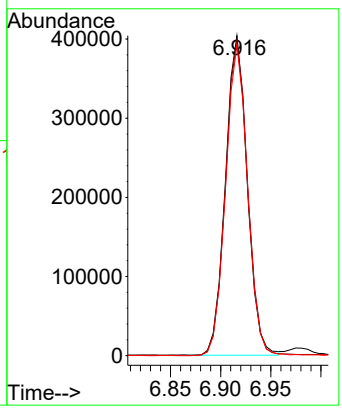




#9
Benzaldehyde
Concen: 36.822 ng
RT: 6.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion: 77 Resp: 61092

Ion	Ratio	Lower	Upper
77	100		
105	98.5	78.3	118.3
106	97.0	76.0	116.0



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

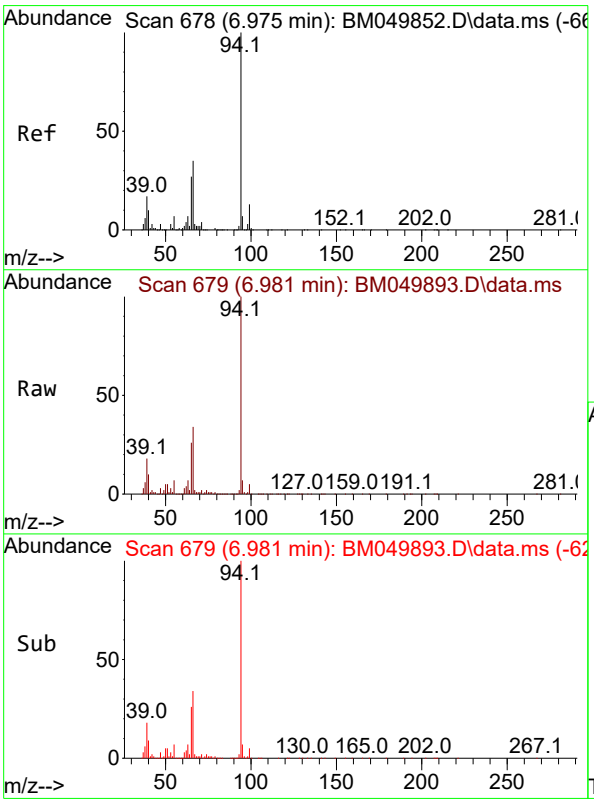
Manual Integrations APPROVED

Reviewed By :Rahul Chavli

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Supervised By :Jagrut Upadhyay

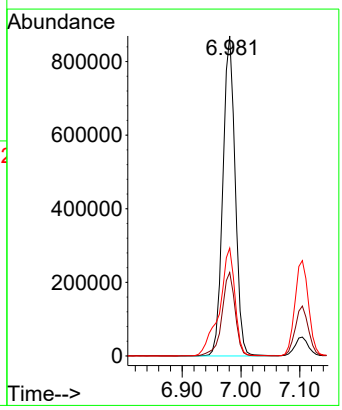
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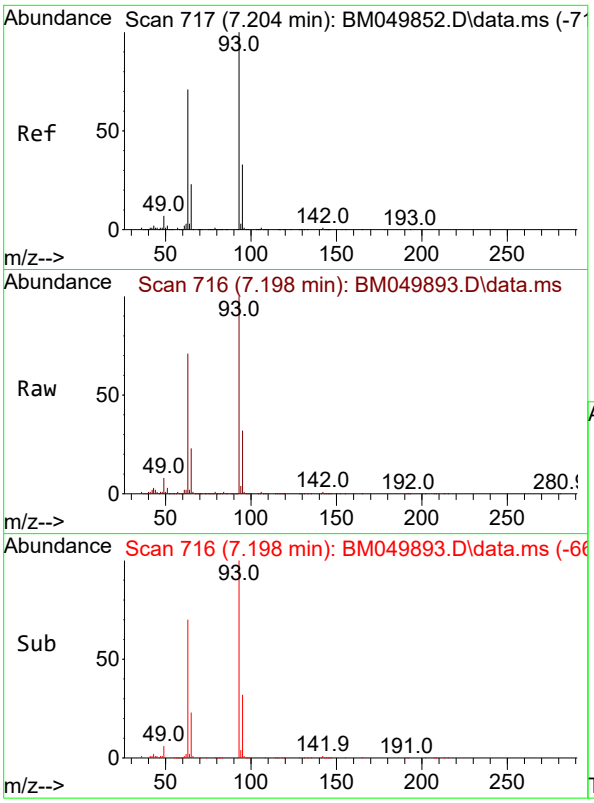


#10
Phenol
Concen: 40.056 ng
RT: 6.981 min Scan# 679
Delta R.T. 0.006 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion: 94 Resp: 1263760

Ion	Ratio	Lower	Upper
94	100		
65	26.1	7.3	47.3
66	33.7	14.8	54.8

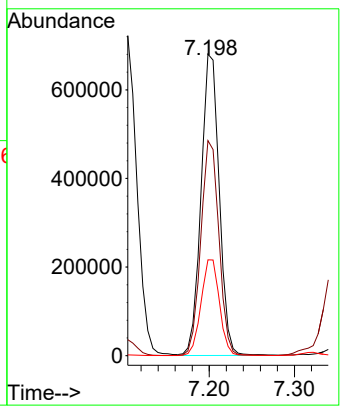




#11
bis(2-Chloroethyl)ether
Concen: 40.722 ng
RT: 7.198 min Scan# 7
Delta R.T. -0.006 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion: 93 Resp: 100752

Ion	Ratio	Lower	Upper
93	100		
63	71.3	50.9	90.9
95	31.8	12.6	52.6



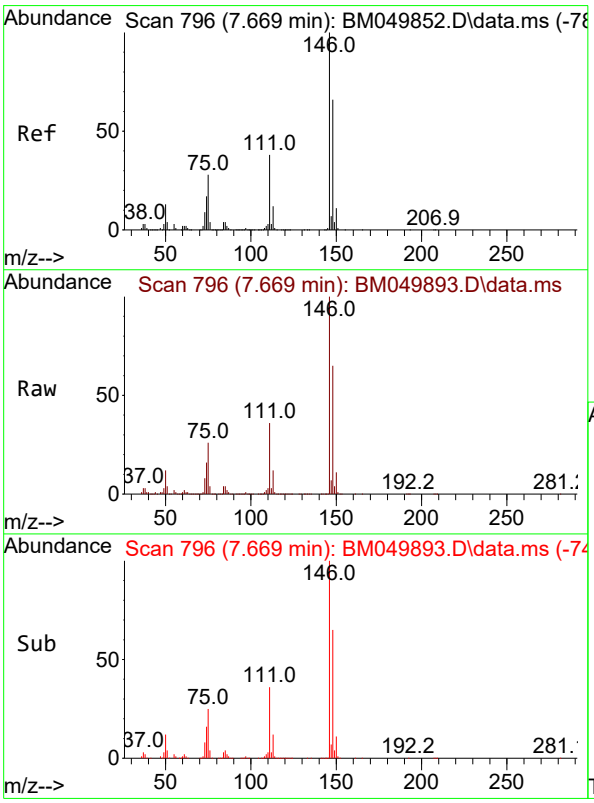
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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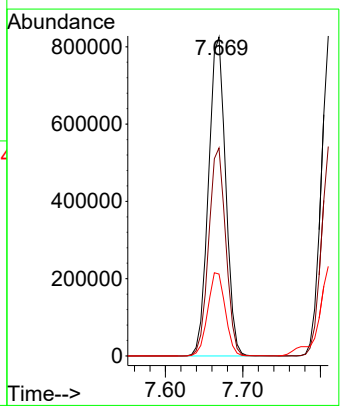
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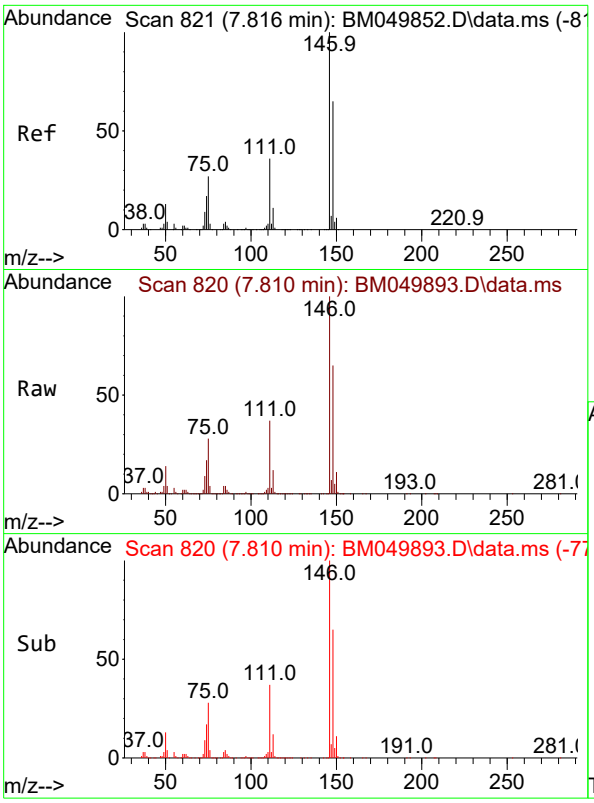


#12
1,3-Dichlorobenzene
Concen: 40.234 ng
RT: 7.669 min Scan# 796
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:146 Resp: 1266739

Ion	Ratio	Lower	Upper
146	100		
148	65.2	52.5	78.7
75	25.7	22.5	33.7

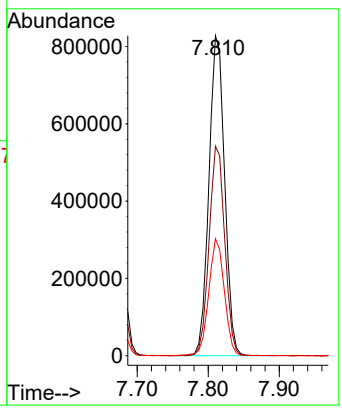




#13
1,4-Dichlorobenzene
Concen: 40.058 ng
RT: 7.810 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:146 Resp: 126902

Ion	Ratio	Lower	Upper
146	100		
148	65.5	52.4	78.6
111	36.5	28.5	42.7



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

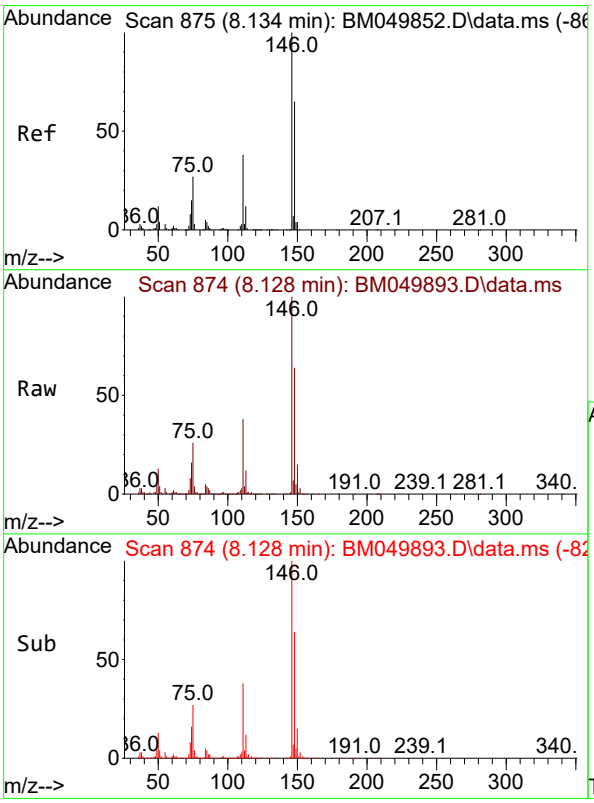
Manual Integrations
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Reviewed By :Rahul Chavli

04/14/2025

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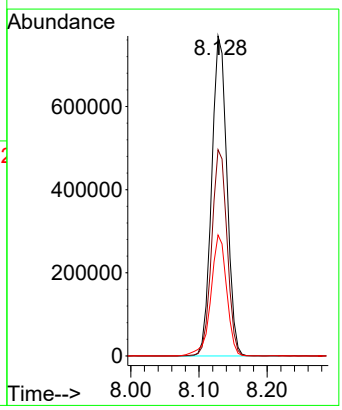
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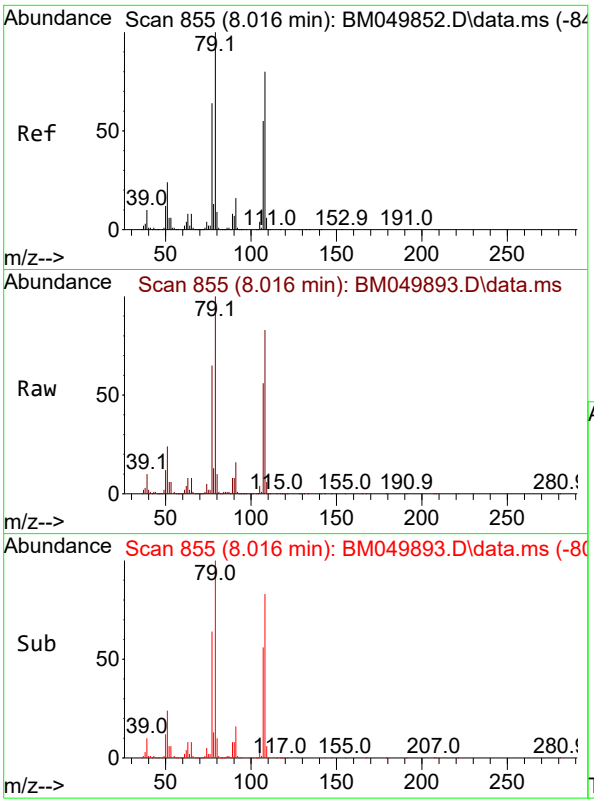


#14
1,2-Dichlorobenzene
Concen: 40.166 ng
RT: 8.128 min Scan# 874
Delta R.T. -0.006 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:146 Resp: 1198507

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.8	77.8
111	37.8	30.2	45.4





#15
Benzyl Alcohol
Concen: 41.027 ng
RT: 8.016 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion: 79 Resp: 83524

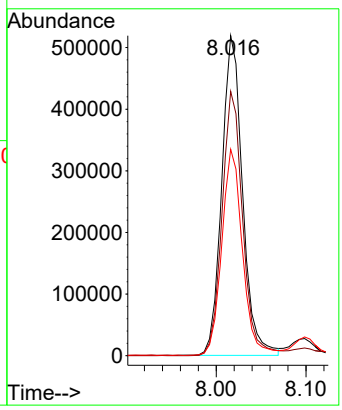
Ion	Ratio	Lower	Upper
79	100		
108	82.6	63.6	95.4
77	64.5	51.3	76.9

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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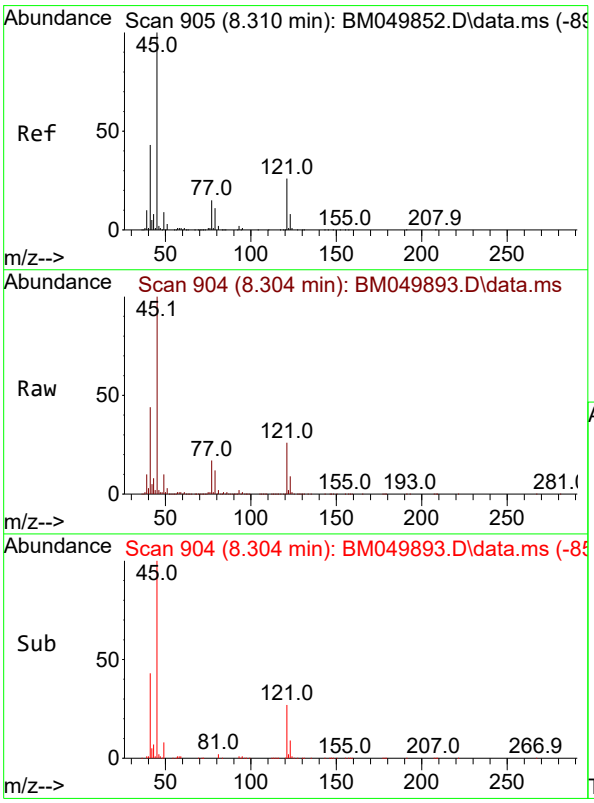
Reviewed By :Rahul Chavli

04/14/2025



Supervised By :Jagrut Upadhyay

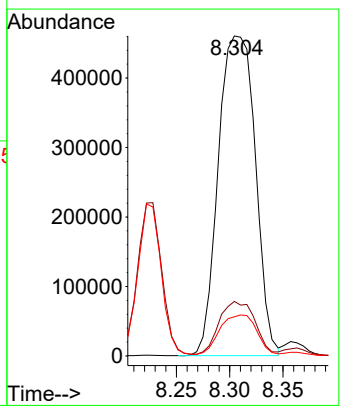
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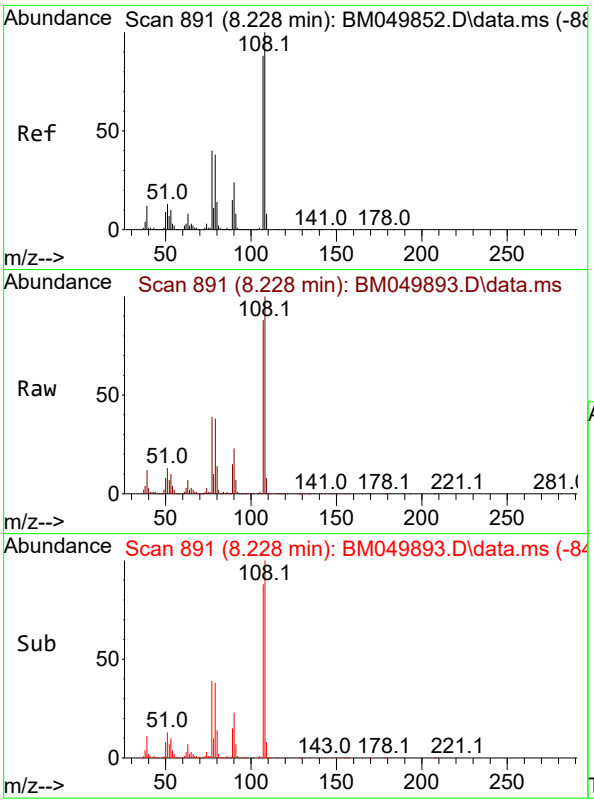


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.302 ng
RT: 8.304 min Scan# 904
Delta R.T. -0.006 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion: 45 Resp: 1111376

Ion	Ratio	Lower	Upper
45	100		
77	17.1	0.0	36.9
79	12.2	0.0	32.9

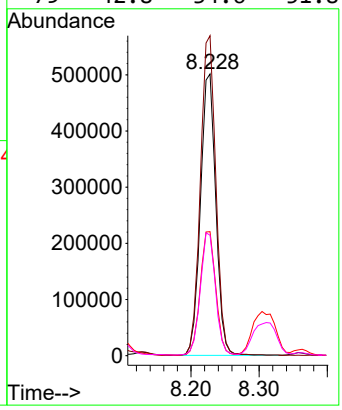




#17
2-Methylphenol
Concen: 40.272 ng
RT: 8.228 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:107 Resp: 78299

Ion	Ratio	Lower	Upper
107	100		
108	113.6	91.0	136.6
77	44.0	36.5	54.7
79	42.8	34.6	51.8



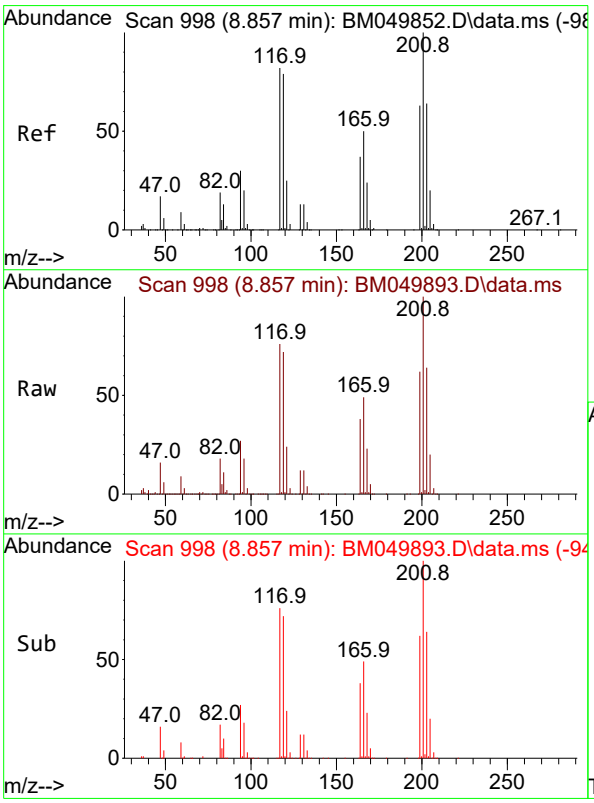
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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Reviewed By :Rahul Chavli

04/14/2025
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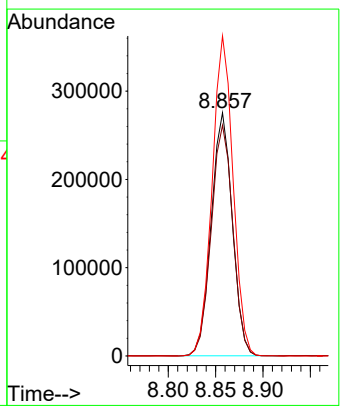
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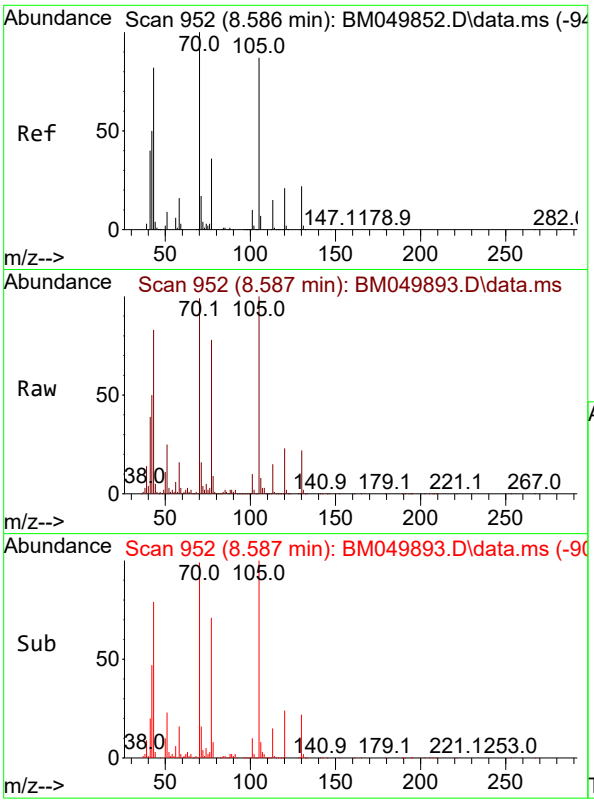


#18
Hexachloroethane
Concen: 38.720 ng
RT: 8.857 min Scan# 998
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:117 Resp: 426753

Ion	Ratio	Lower	Upper
117	100		
119	94.9	77.5	116.3
201	131.6	97.7	146.5

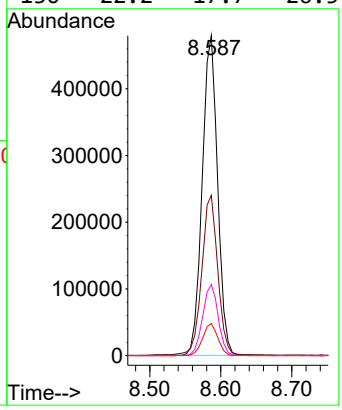




#19
n-Nitroso-di-n-propylamine
Concen: 40.256 ng
RT: 8.587 min Scan# 9
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion: 70 Resp: 72084

Ion	Ratio	Lower	Upper
70	100		
42	50.1	40.2	60.2
101	10.1	7.9	11.9
130	22.2	17.7	26.5



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

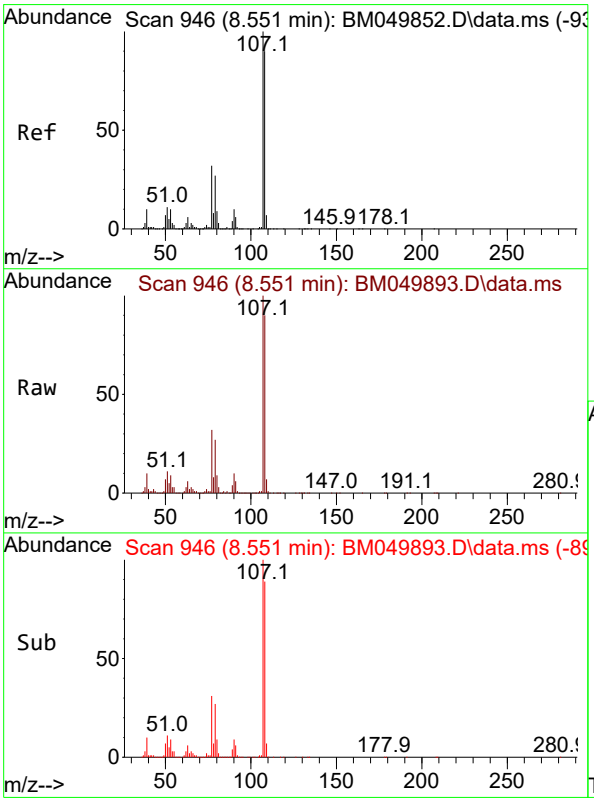
Manual Integrations APPROVED

Reviewed By :Rahul Chavli

04/14/2025

Supervised By :Jagrut Upadhyay

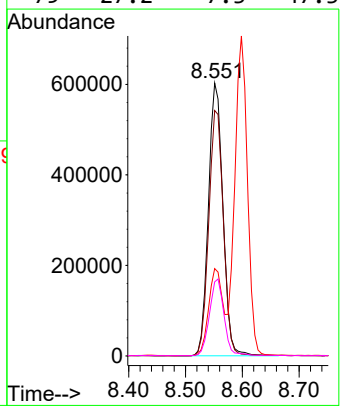
04/14/2025

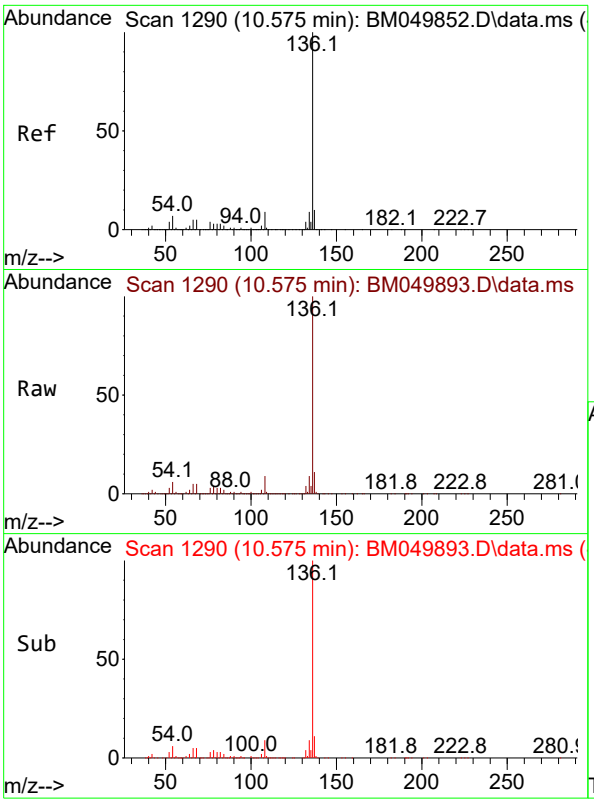


#20
3+4-Methylphenols
Concen: 40.232 ng
RT: 8.551 min Scan# 946
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:107 Resp: 1066425

Ion	Ratio	Lower	Upper
107	100		
108	90.0	69.6	109.6
77	32.0	11.7	51.7
79	27.2	7.3	47.3

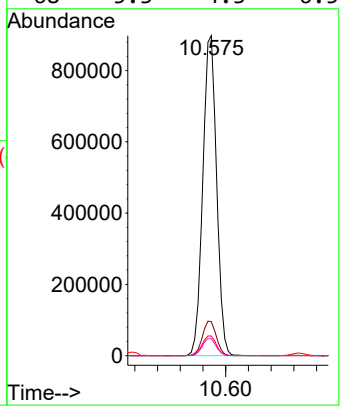




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.575 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:136 Resp: 150625

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.4	12.6
54	6.1	5.3	7.9
68	5.3	4.3	6.5



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

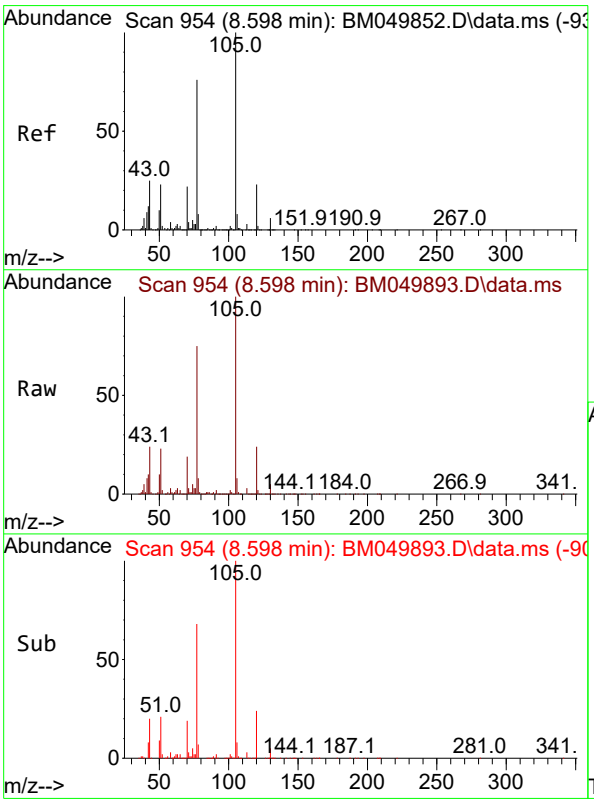
Manual Integrations
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Reviewed By :Rahul Chavli

04/14/2025

Supervised By :Jagrut Upadhyay

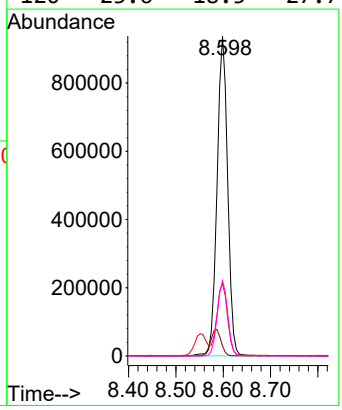
04/14/2025

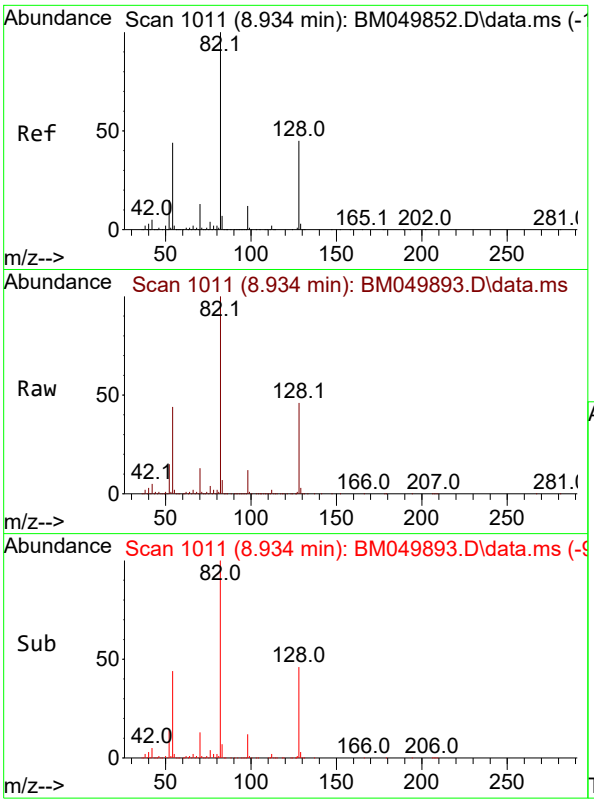


#22
Acetophenone
Concen: 39.774 ng
RT: 8.598 min Scan# 954
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:105 Resp: 1456007

Ion	Ratio	Lower	Upper
105	100		
71	3.2	3.0	4.4
51	22.6	18.6	27.8
120	23.6	18.5	27.7





#23
Nitrobenzene-d5
Concen: 79.895 ng
RT: 8.934 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion: 82 Resp: 216111(

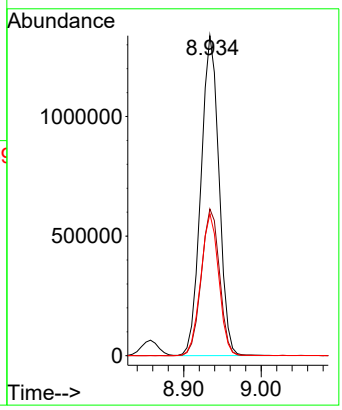
Ion	Ratio	Lower	Upper
82	100		
128	45.8	36.2	54.2
54	44.4	35.0	52.6

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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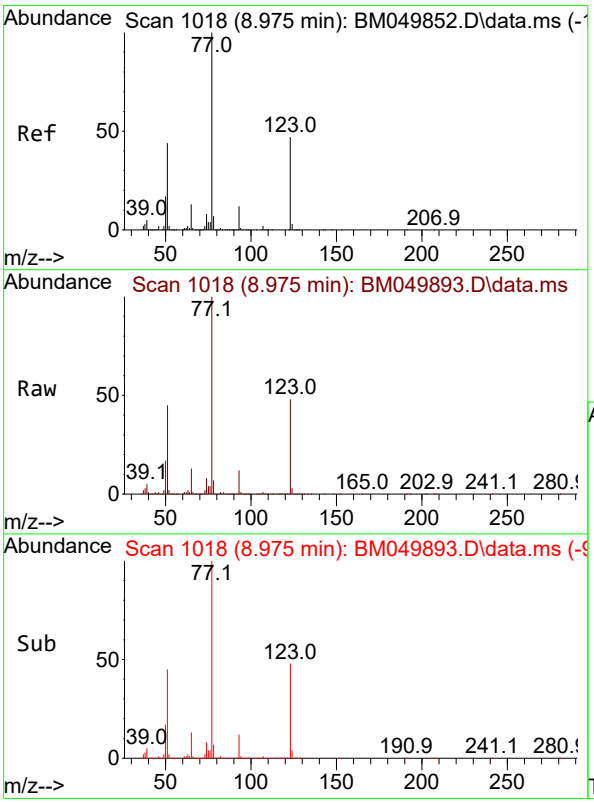
Reviewed By :Rahul Chavli

04/14/2025



Supervised By :Jagrut Upadhyay

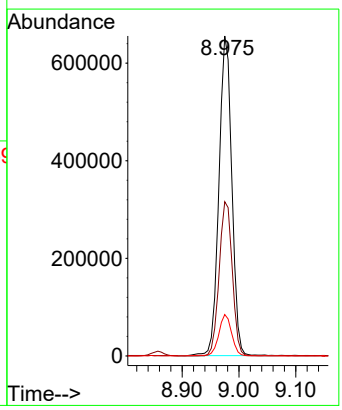
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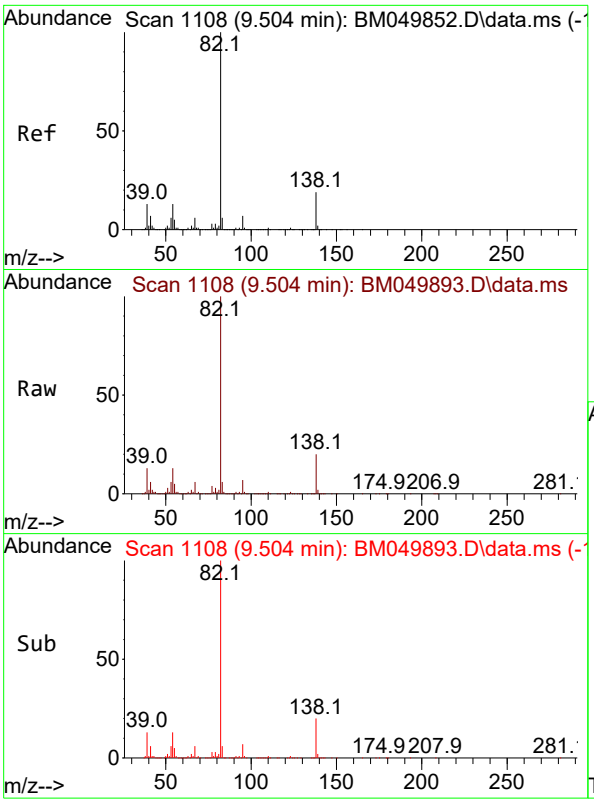


#24
Nitrobenzene
Concen: 39.591 ng
RT: 8.975 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion: 77 Resp: 1031197

Ion	Ratio	Lower	Upper
77	100		
123	48.2	37.4	56.2
65	12.9	10.1	15.1

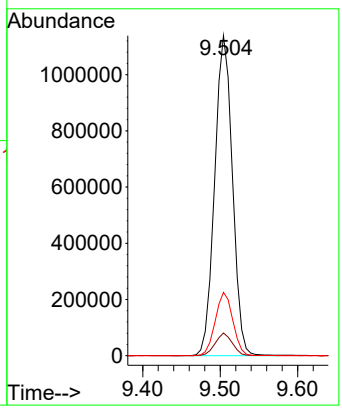




#25
Isophorone
Concen: 39.985 ng
RT: 9.504 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion: 82 Resp: 181186

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.4	8.2
138	19.8	15.0	22.6



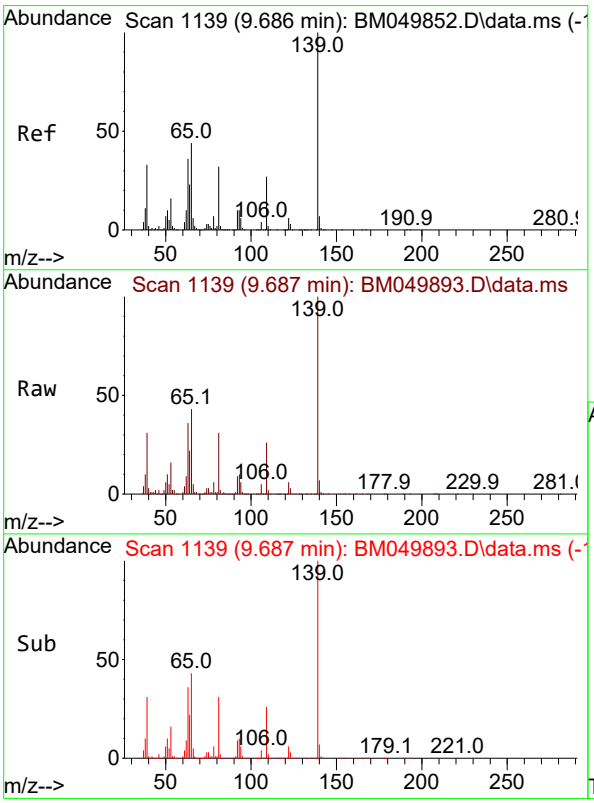
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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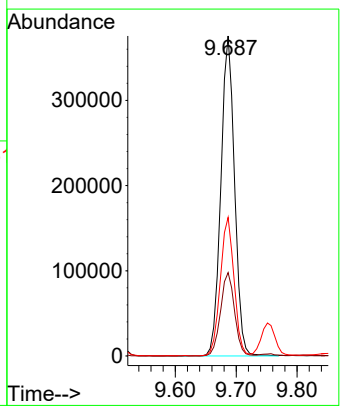
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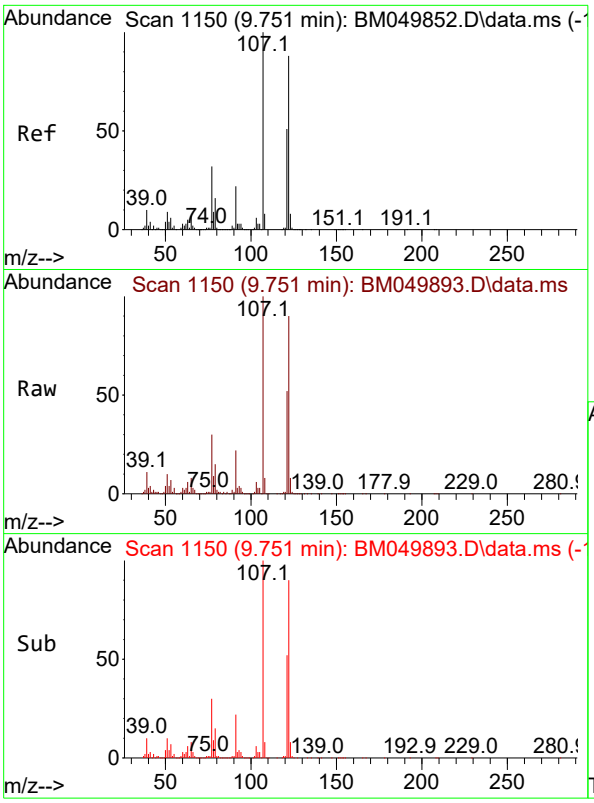


#26
2-Nitrophenol
Concen: 42.532 ng
RT: 9.687 min Scan# 1139
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:139 Resp: 587146

Ion	Ratio	Lower	Upper
139	100		
109	26.1	21.7	32.5
65	43.3	35.2	52.8





#27
2,4-Dimethylphenol
Concen: 41.322 ng
RT: 9.751 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

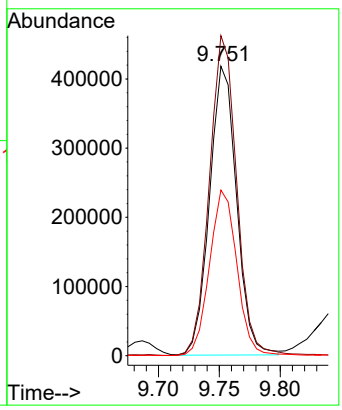
Tgt Ion:122 Resp: 64647

Ion	Ratio	Lower	Upper
122	100		
107	110.6	90.3	135.5
121	57.2	46.1	69.1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

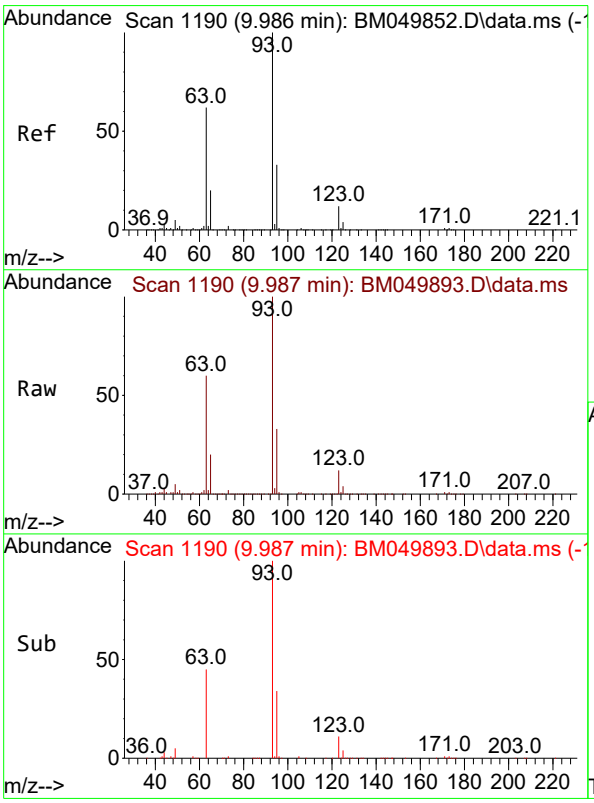
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Reviewed By :Rahul Chavli



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Supervised By :Jagrut Upadhyay

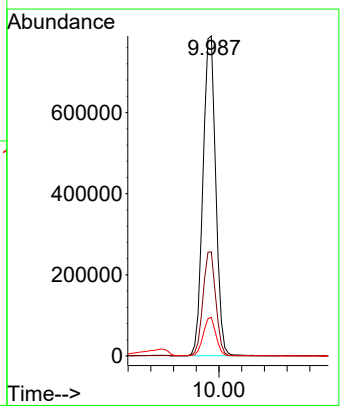
04/14/2025

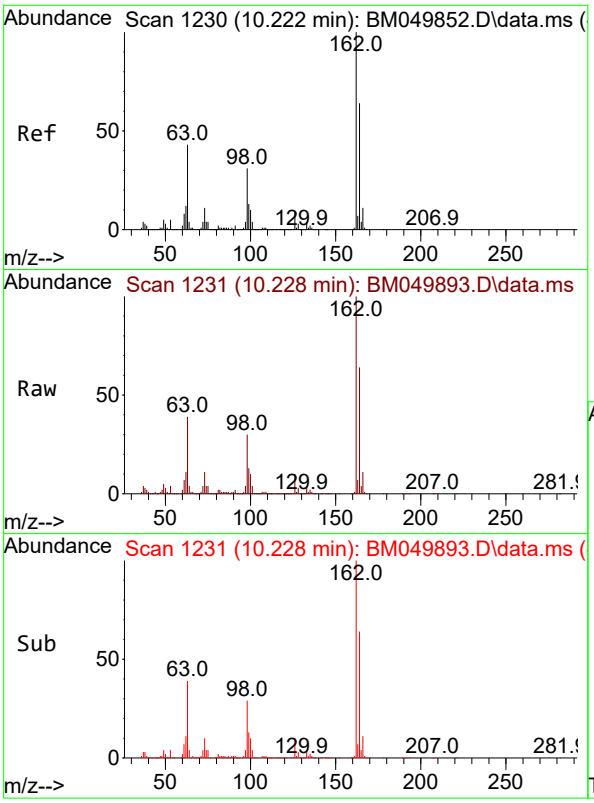


#28
bis(2-Chloroethoxy)methane
Concen: 40.435 ng
RT: 9.987 min Scan# 1190
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion: 93 Resp: 1226657

Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.6	40.0
123	12.0	9.5	14.3





#29
2,4-Dichlorophenol
Concen: 41.323 ng
RT: 10.228 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

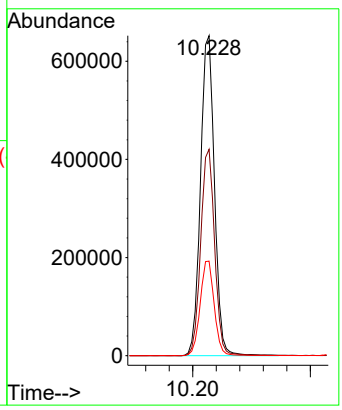
Tgt Ion:162 Resp: 107464

Ion	Ratio	Lower	Upper
162	100		
164	64.5	44.3	84.3
98	29.5	10.9	50.9

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

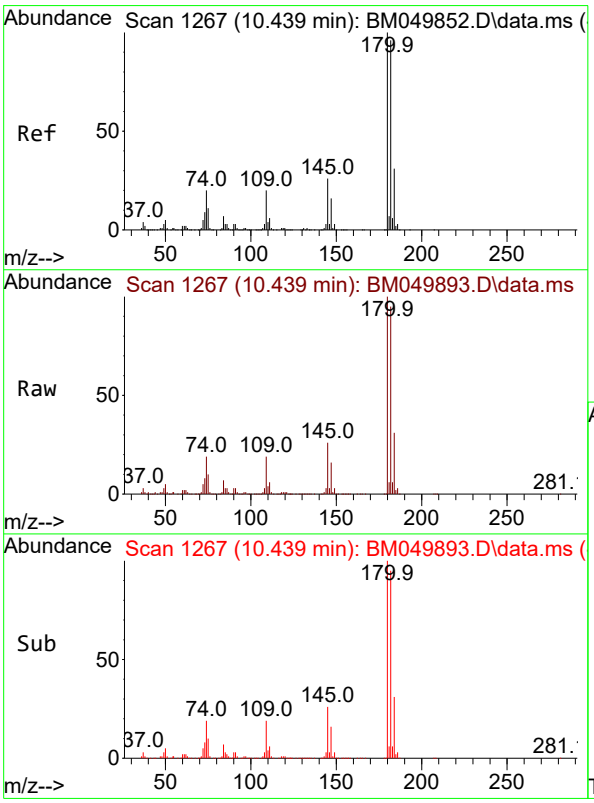
Manual Integrations
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04/14/2025
Supervised By :Jagrut Upadhyay

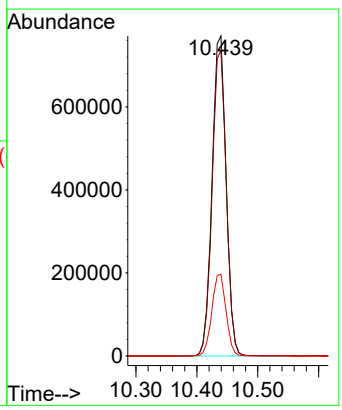
04/14/2025

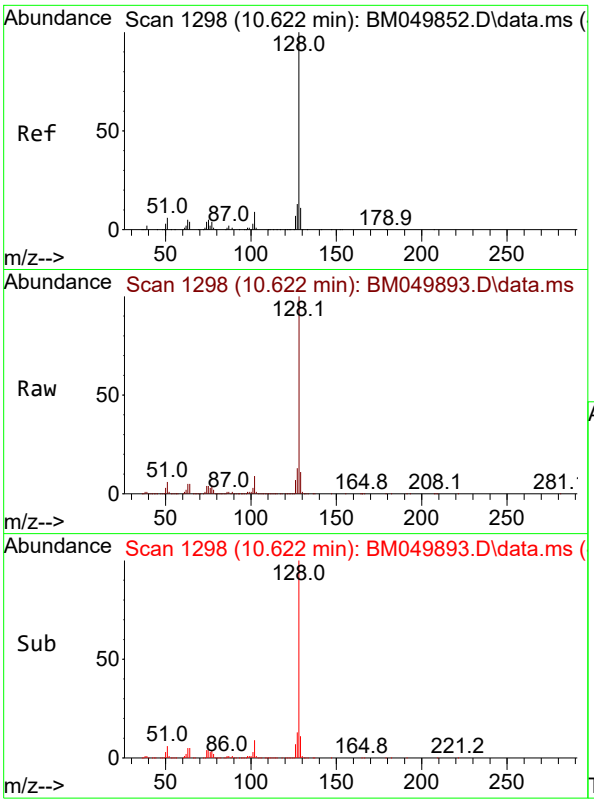


#30
1,2,4-Trichlorobenzene
Concen: 41.025 ng
RT: 10.439 min Scan# 1267
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:180 Resp: 1234228

Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.7	115.1
145	25.6	20.8	31.2

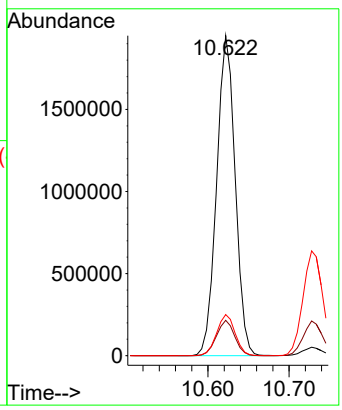




#31
Naphthalene
Concen: 40.053 ng
RT: 10.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:128 Resp: 309995

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	12.9	10.6	15.8



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

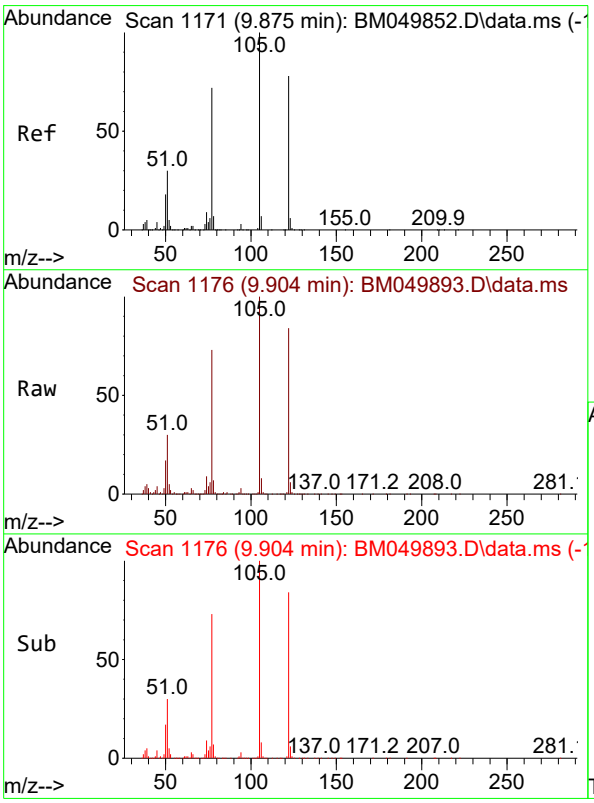
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Supervised By :Jagrut Upadhyay

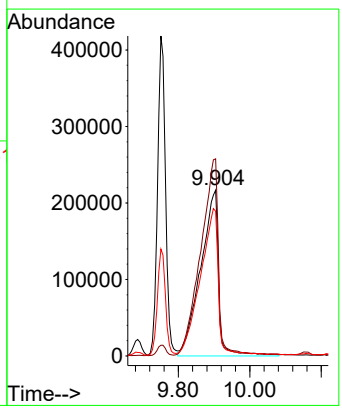
04/14/2025

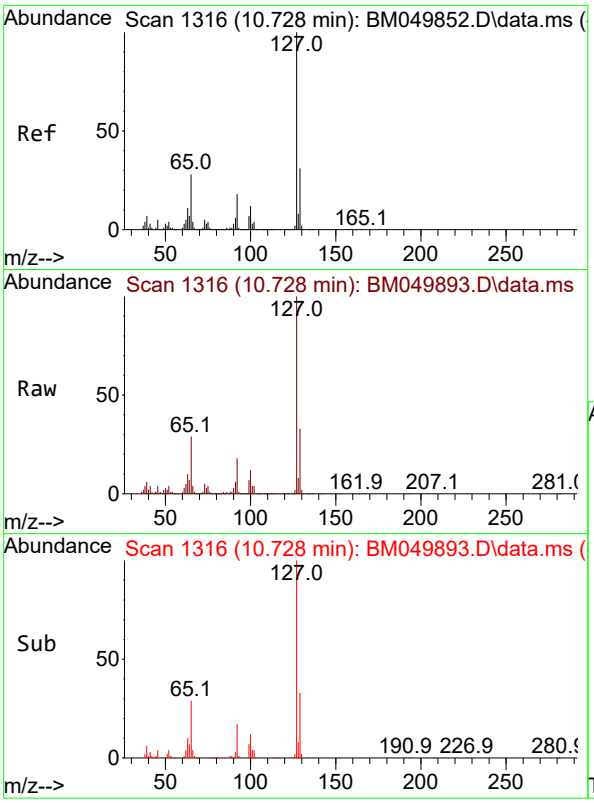


#32
Benzoic acid
Concen: 40.814 ng m
RT: 9.904 min Scan# 1176
Delta R.T. 0.029 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:122 Resp: 761311

Ion	Ratio	Lower	Upper
122	100		
105	119.0	103.8	143.8
77	87.4	70.7	110.7

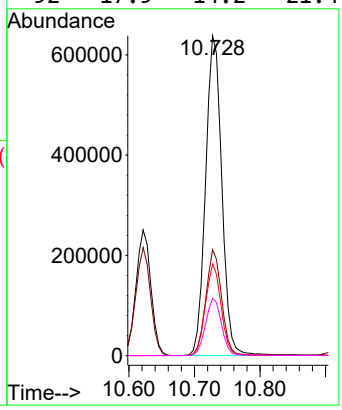




#33
4-Chloroaniline
Concen: 40.274 ng
RT: 10.728 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:127 Resp: 1100699

Ion	Ratio	Lower	Upper
127	100		
129	33.1	24.9	37.3
65	28.6	22.4	33.6
92	17.9	14.2	21.4



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

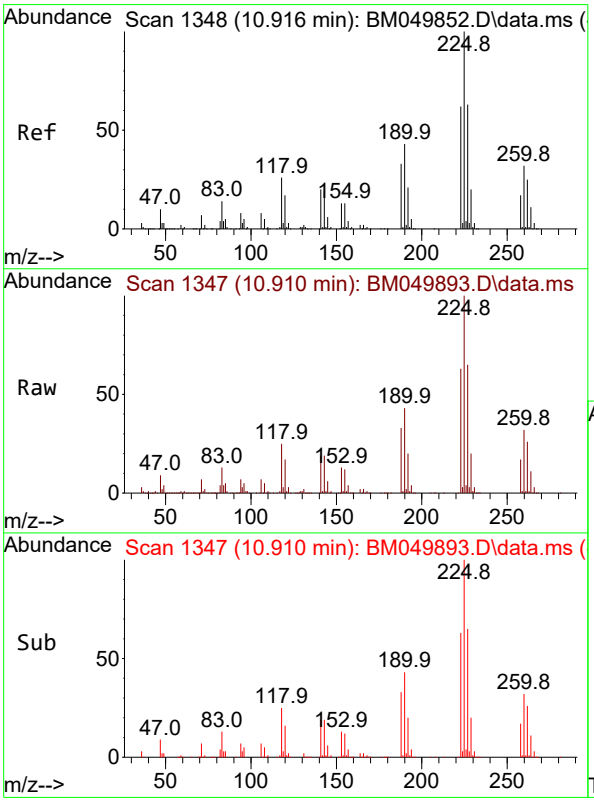
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Reviewed By :Rahul Chavli

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Supervised By :Jagrut Upadhyay

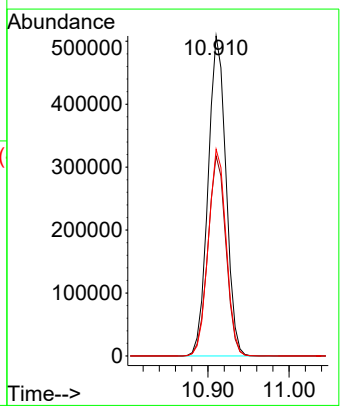
04/14/2025

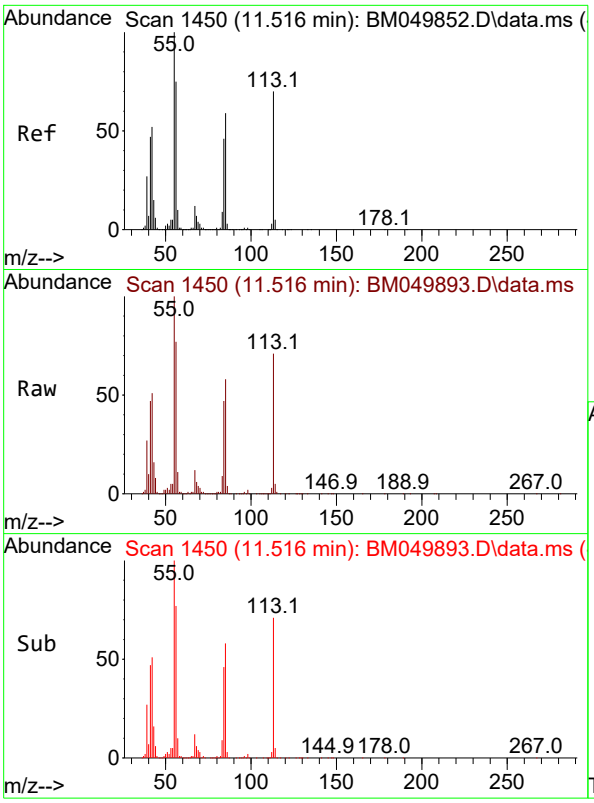


#34
Hexachlorobutadiene
Concen: 41.753 ng
RT: 10.910 min Scan# 1347
Delta R.T. -0.006 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:225 Resp: 777005

Ion	Ratio	Lower	Upper
225	100		
223	62.5	49.4	74.2
227	64.6	50.1	75.1





#35
Caprolactam
Concen: 37.934 ng
RT: 11.516 min Scan# 14
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:113 Resp: 28293

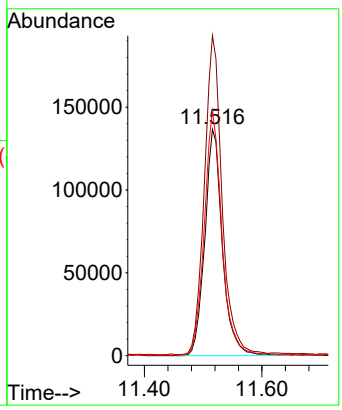
Ion	Ratio	Lower	Upper
113	100		
55	141.4	124.3	164.3
56	108.3	87.5	127.5

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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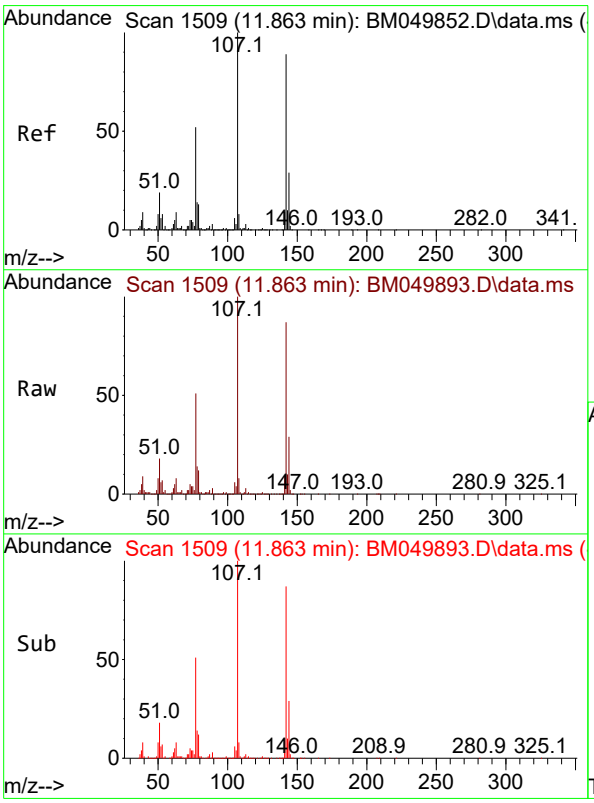
Reviewed By :Rahul Chavli

04/14/2025



Supervised By :Jagrut Upadhyay

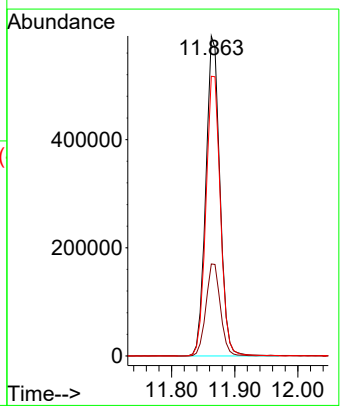
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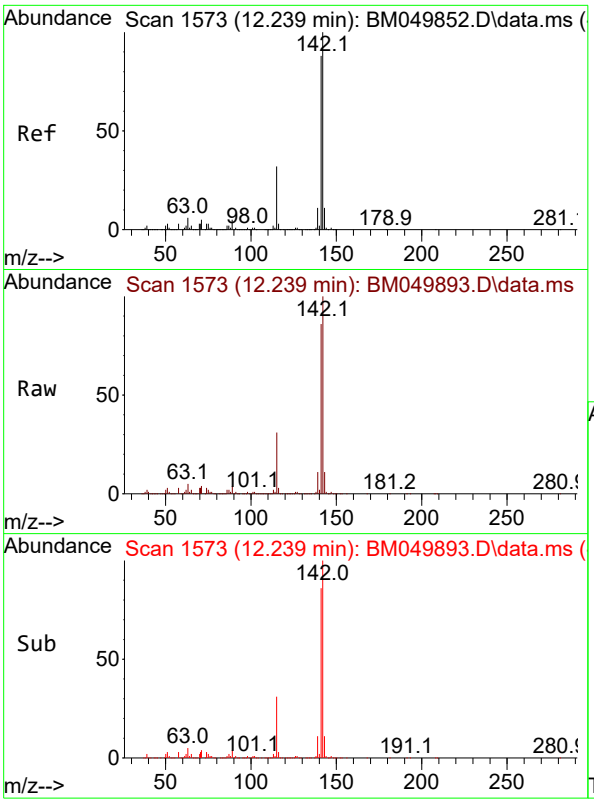


#36
4-Chloro-3-methylphenol
Concen: 40.269 ng
RT: 11.863 min Scan# 1509
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:107 Resp: 917317

Ion	Ratio	Lower	Upper
107	100		
144	28.7	23.6	35.4
142	87.4	71.4	107.0

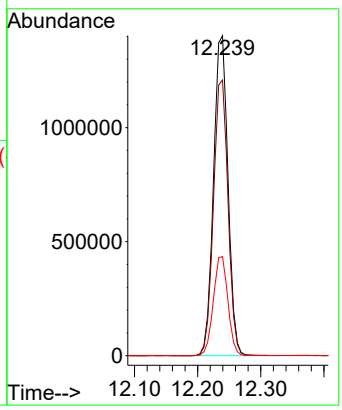




#37
2-Methylnaphthalene
Concen: 40.877 ng
RT: 12.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:142 Resp: 222909

Ion	Ratio	Lower	Upper
142	100		
141	86.1	70.2	105.2
115	30.9	25.4	38.2



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

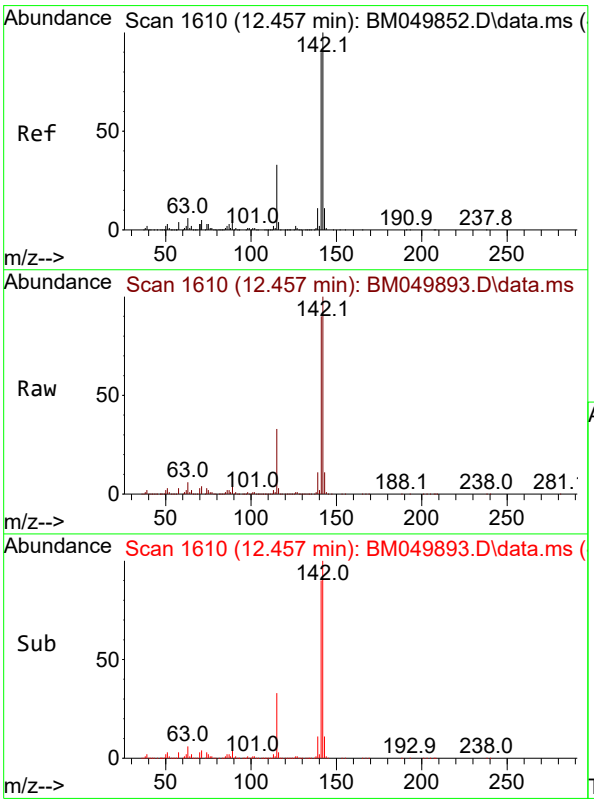
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Reviewed By :Rahul Chavli

04/14/2025

Supervised By :Jagrut Upadhyay

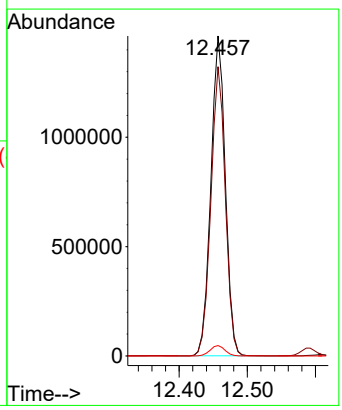
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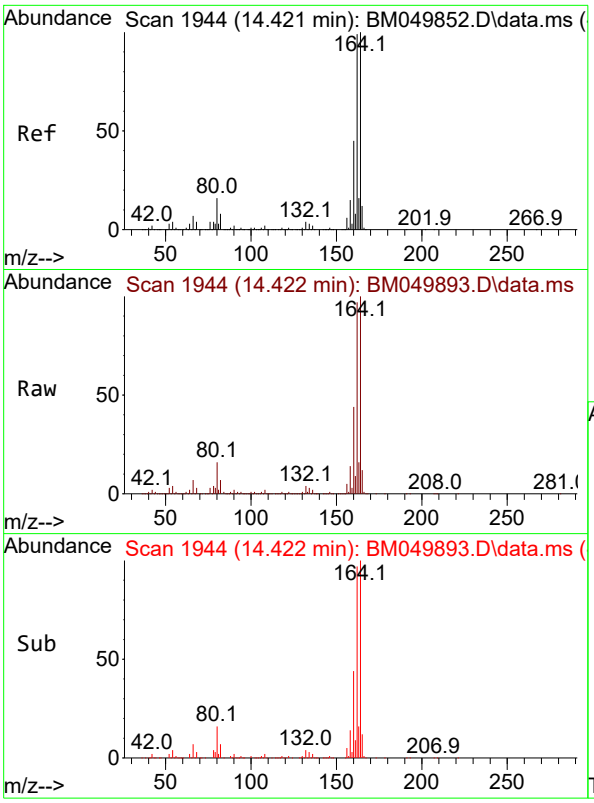


#38
1-Methylnaphthalene
Concen: 40.665 ng
RT: 12.457 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:142 Resp: 2160383

Ion	Ratio	Lower	Upper
142	100		
141	90.4	72.2	108.2
116	3.2	2.9	4.3

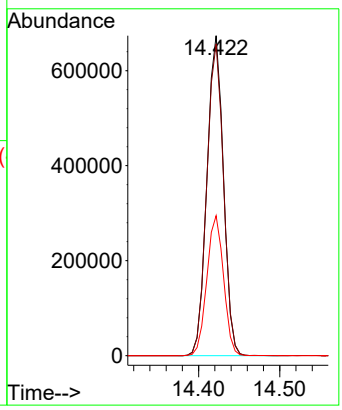




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.422 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:164 Resp: 94928

Ion	Ratio	Lower	Upper
164	100		
162	97.5	79.4	119.0
160	43.7	36.2	54.2



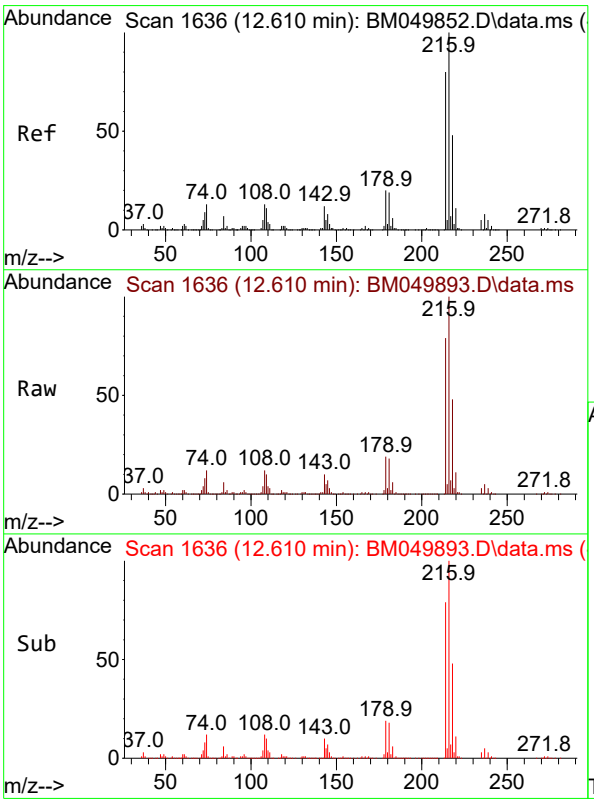
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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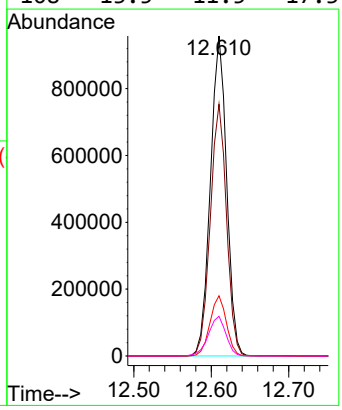
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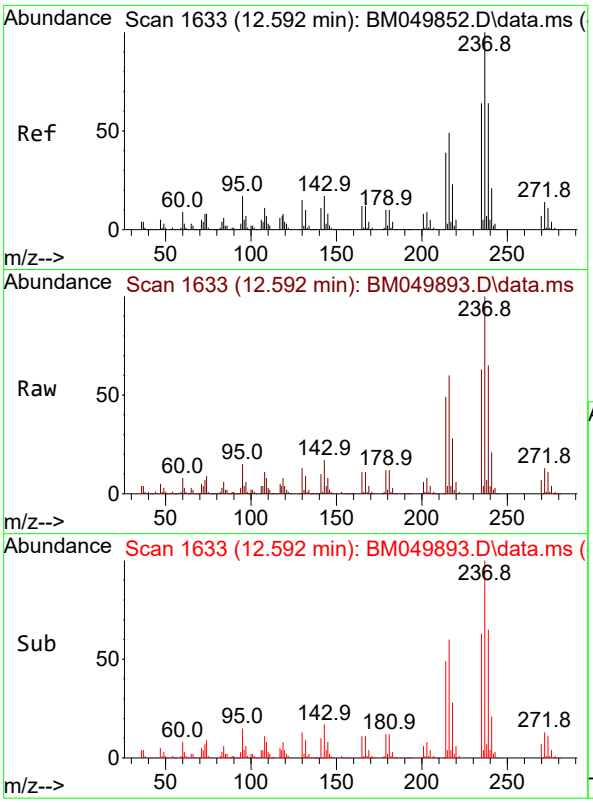


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.886 ng
RT: 12.610 min Scan# 1636
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:216 Resp: 1391054

Ion	Ratio	Lower	Upper
216	100		
214	78.7	63.2	94.8
179	19.0	15.8	23.6
108	13.5	11.5	17.3

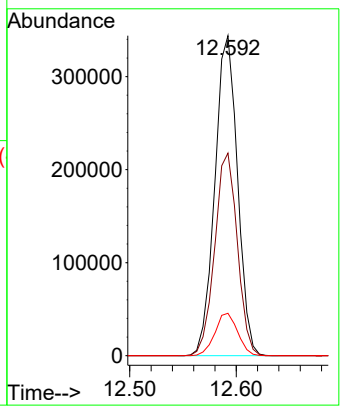




#41
Hexachlorocyclopentadiene
Concen: 43.593 ng
RT: 12.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:237 Resp: 50729

Ion	Ratio	Lower	Upper
237	100		
235	63.3	43.7	83.7
272	13.2	0.0	33.5



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

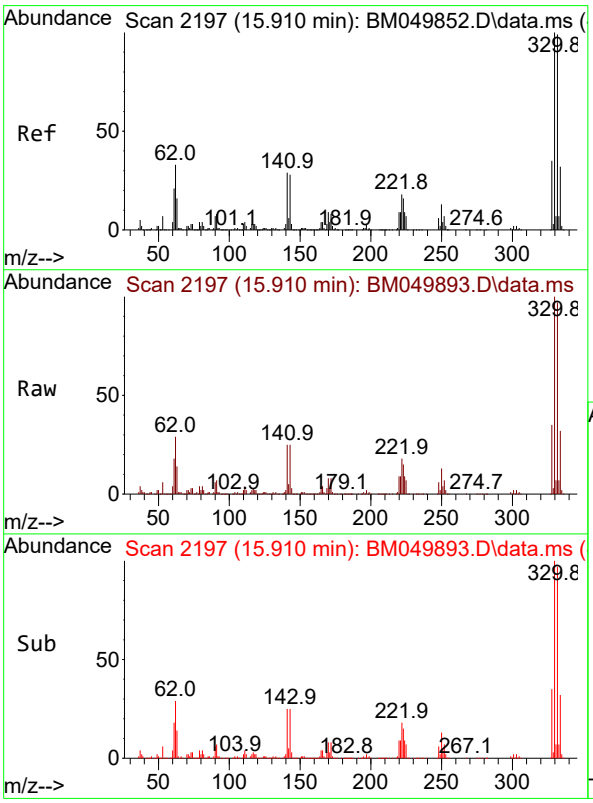
Manual Integrations APPROVED

Reviewed By :Rahul Chavli

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Supervised By :Jagrut Upadhyay

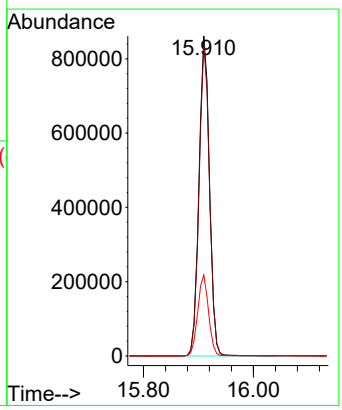
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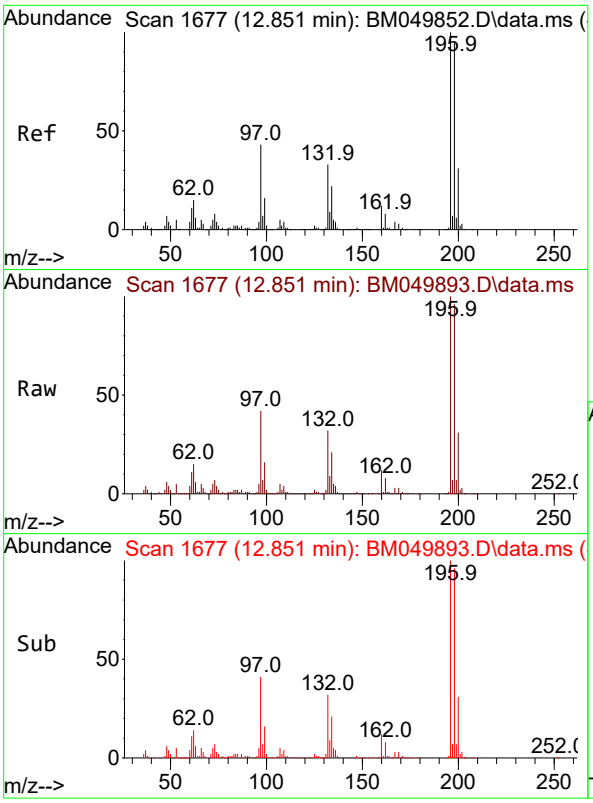


#42
2,4,6-Tribromophenol
Concen: 82.853 ng
RT: 15.910 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:330 Resp: 1144012

Ion	Ratio	Lower	Upper
330	100		
332	96.9	78.0	117.0
141	25.9	23.5	35.3

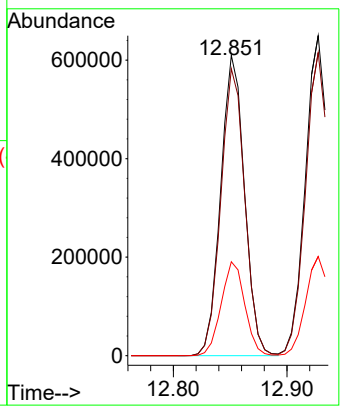




#43
2,4,6-Trichlorophenol
Concen: 42.095 ng
RT: 12.851 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:196 Resp: 88958(

Ion	Ratio	Lower	Upper
196	100		
198	95.5	76.1	114.1
200	31.3	24.7	37.1



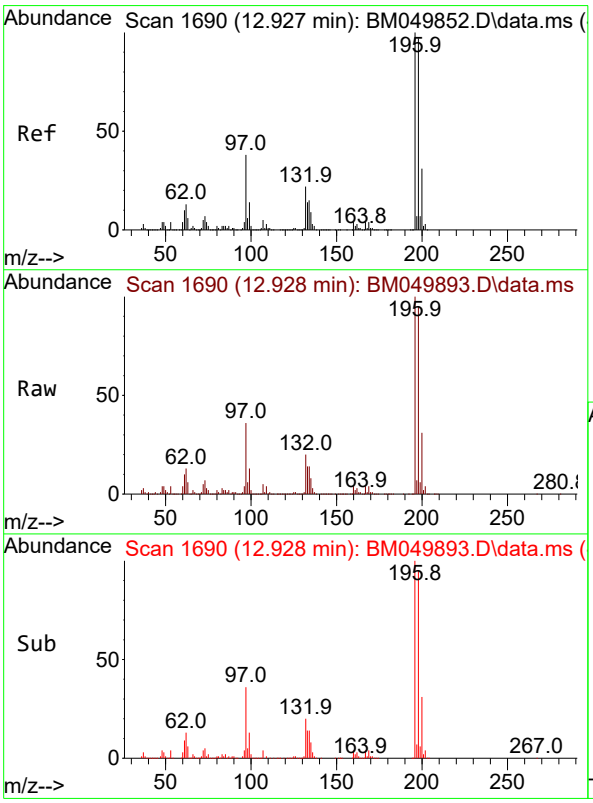
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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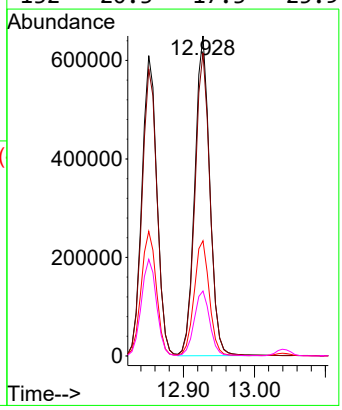
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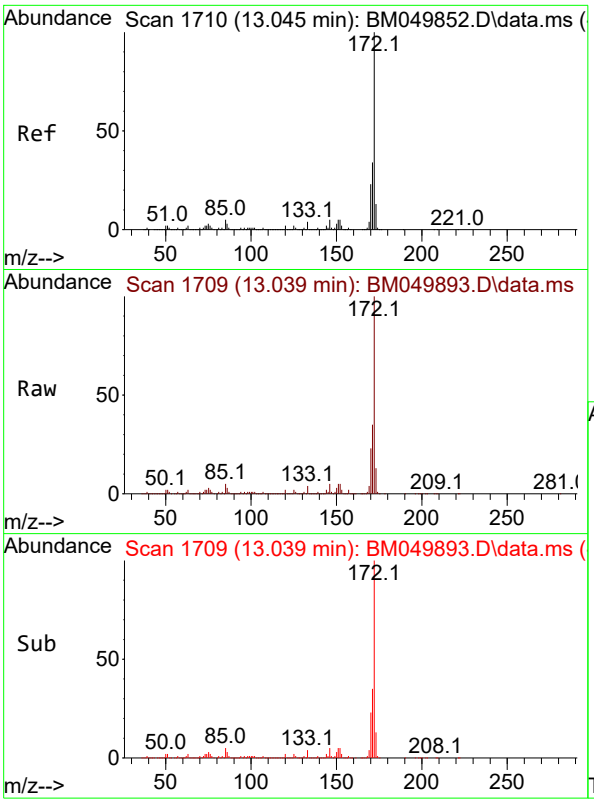


#44
2,4,5-Trichlorophenol
Concen: 41.542 ng
RT: 12.928 min Scan# 1690
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:196 Resp: 954020

Ion	Ratio	Lower	Upper
196	100		
198	94.7	77.7	116.5
97	36.0	30.3	45.5
132	20.3	17.3	25.9

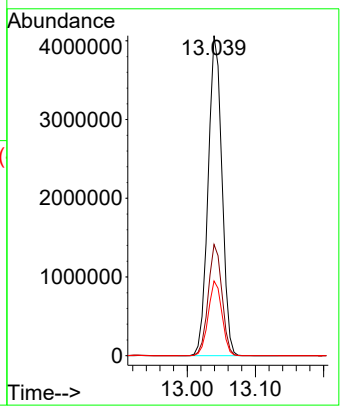




#45
2-Fluorobiphenyl
Concen: 81.759 ng
RT: 13.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:172 Resp: 572363

Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.4	41.2
170	23.3	18.6	28.0



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

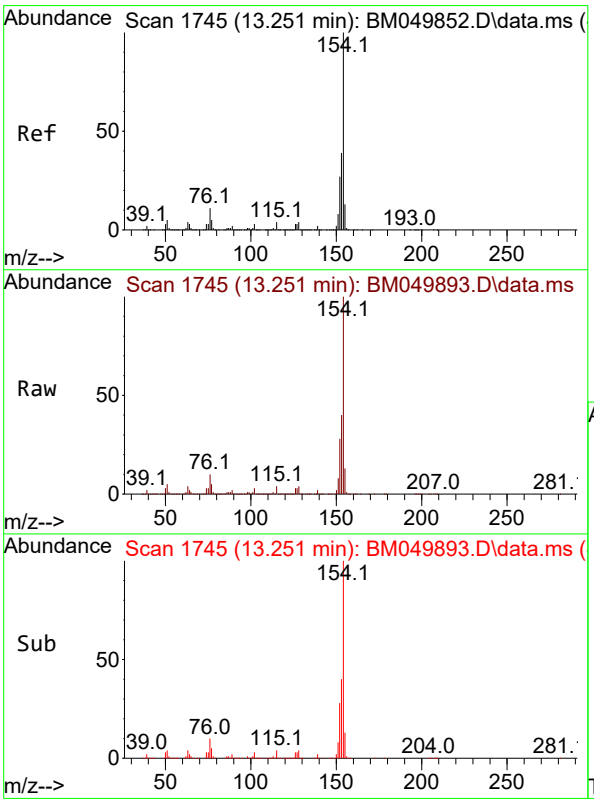
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Supervised By :Jagrut Upadhyay

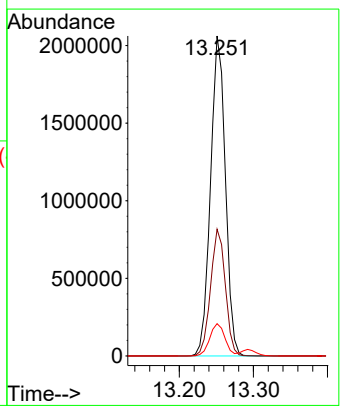
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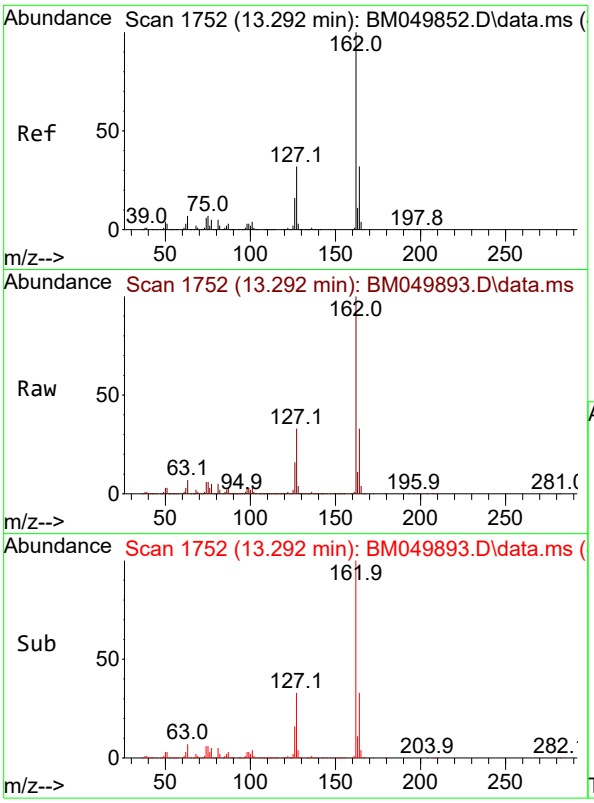


#46
1,1'-Biphenyl
Concen: 40.585 ng
RT: 13.251 min Scan# 1745
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:154 Resp: 2863960

Ion	Ratio	Lower	Upper
154	100		
153	39.6	19.3	59.3
76	10.1	0.0	30.7

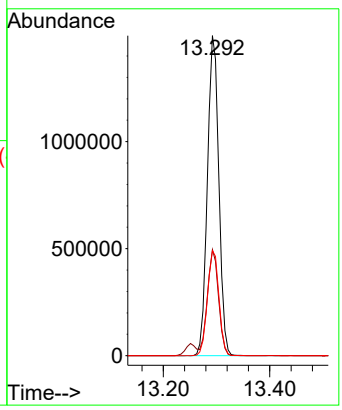




#47
2-Chloronaphthalene
Concen: 39.999 ng
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:162 Resp: 221851

Ion	Ratio	Lower	Upper
162	100		
127	33.1	26.0	39.0
164	32.9	25.9	38.9



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

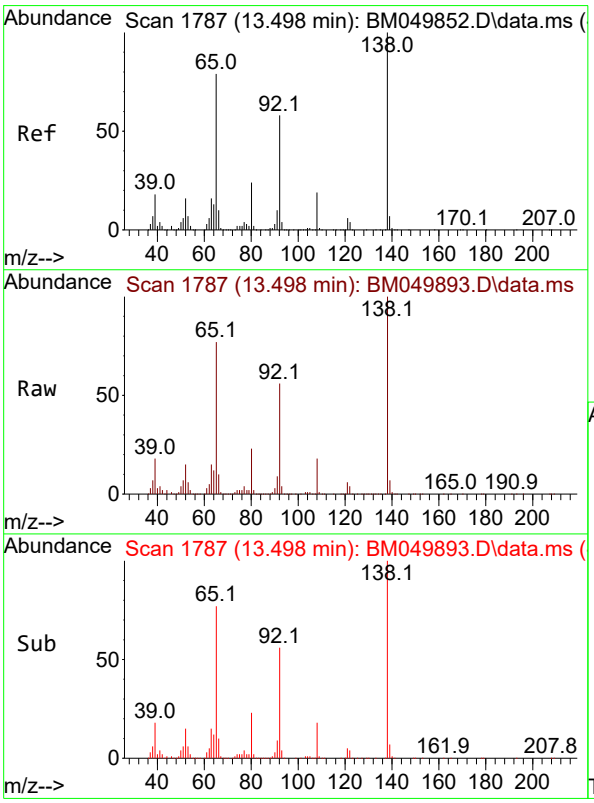
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Supervised By :Jagrut Upadhyay

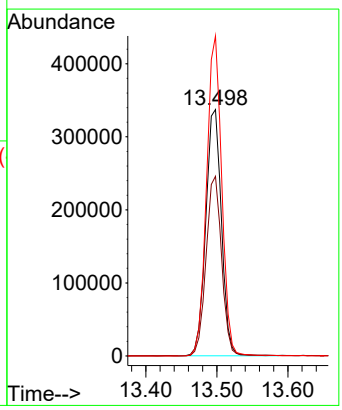
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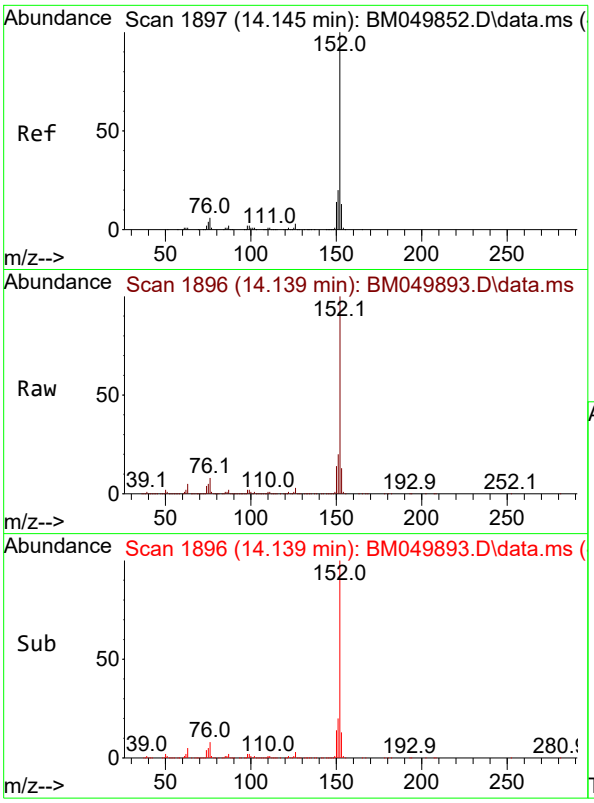


#48
2-Nitroaniline
Concen: 40.347 ng
RT: 13.498 min Scan# 1787
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion: 65 Resp: 517715

Ion	Ratio	Lower	Upper
65	100		
92	72.9	58.4	87.6
138	129.9	100.8	151.2

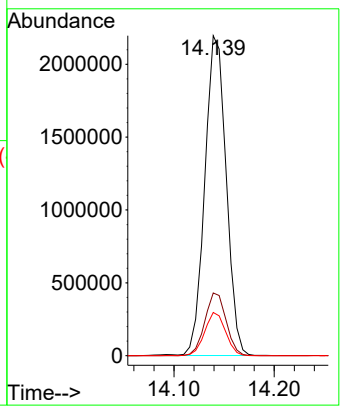




#49
Acenaphthylene
Concen: 40.265 ng
RT: 14.139 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:152 Resp: 325307

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.7	23.5
153	13.5	10.4	15.6



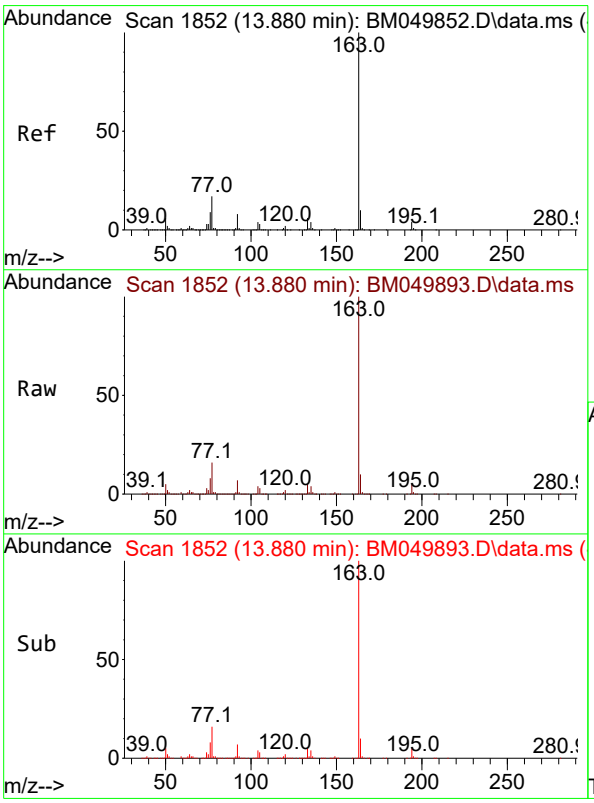
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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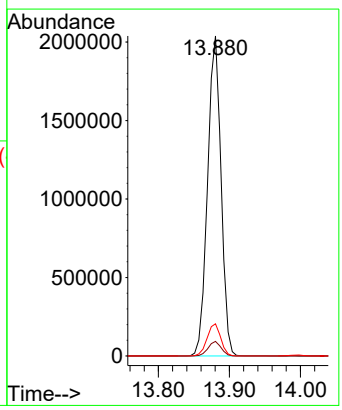
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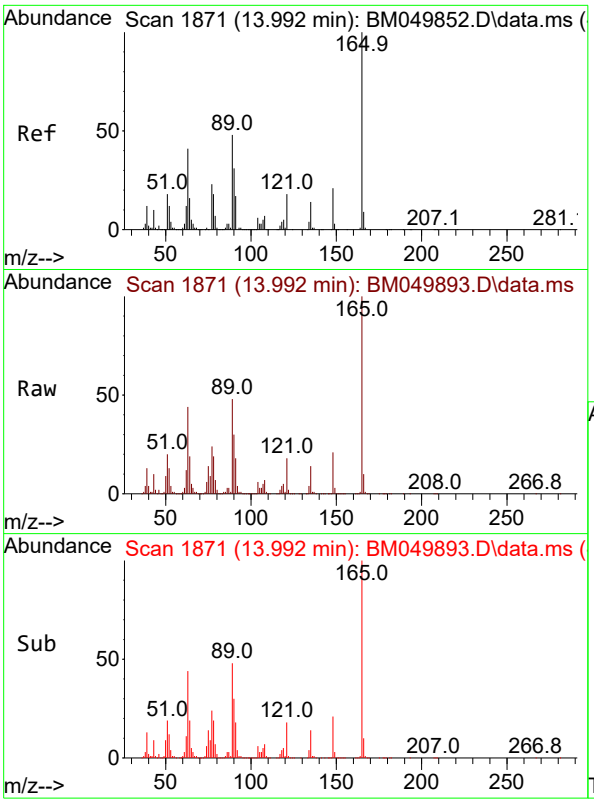


#50
Dimethylphthalate
Concen: 40.118 ng
RT: 13.880 min Scan# 1852
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:163 Resp: 2686724

Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.5	5.3
164	10.1	7.9	11.9





#51
2,6-Dinitrotoluene
Concen: 41.015 ng
RT: 13.992 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:165 Resp: 57549

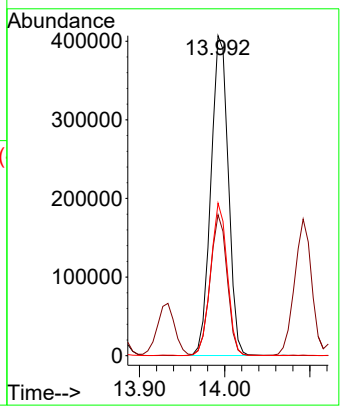
Ion	Ratio	Lower	Upper
165	100		
63	44.0	36.1	54.1
89	47.6	38.3	57.5

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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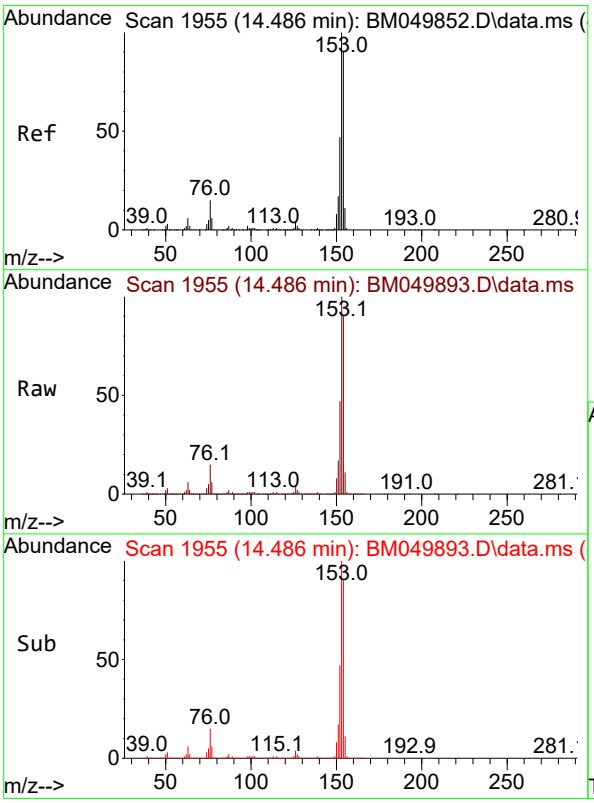
Reviewed By :Rahul Chavli

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Supervised By :Jagrut Upadhyay

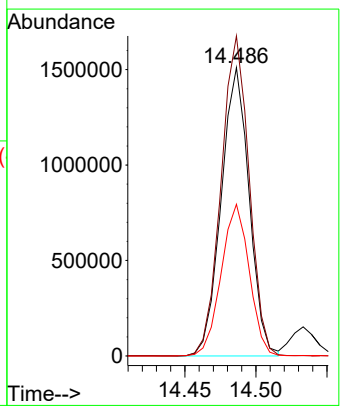
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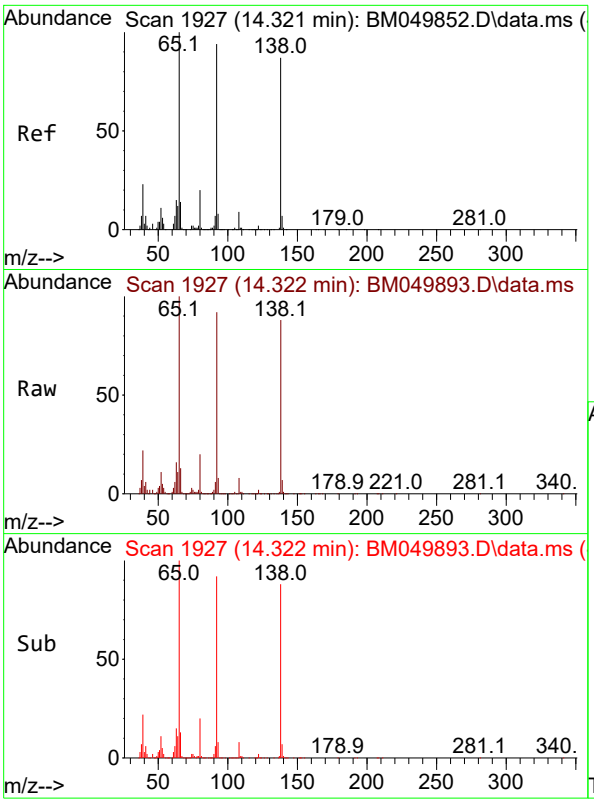


#52
Acenaphthene
Concen: 40.257 ng
RT: 14.486 min Scan# 1955
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:154 Resp: 2068831

Ion	Ratio	Lower	Upper
154	100		
153	111.0	89.3	133.9
152	52.6	42.2	63.2





#53
3-Nitroaniline
Concen: 40.246 ng
RT: 14.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:138 Resp: 54579

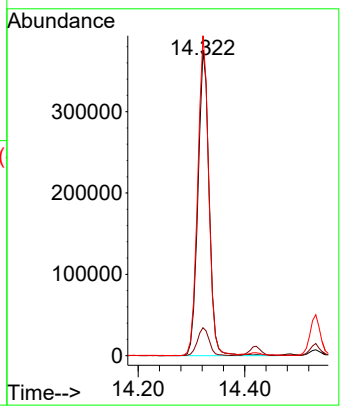
Ion	Ratio	Lower	Upper
138	100		
108	9.2	8.1	12.1
92	104.7	86.5	129.7

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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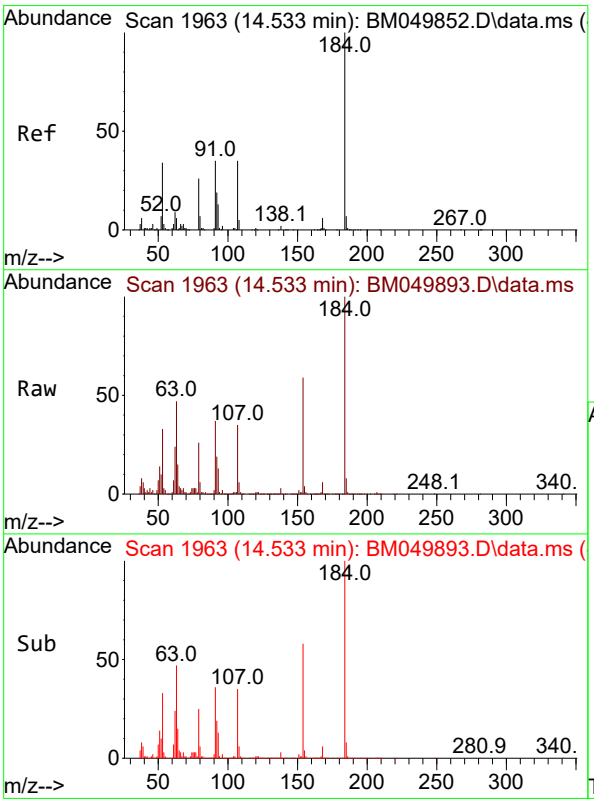
Reviewed By :Rahul Chavli

04/14/2025



Supervised By :Jagrut Upadhyay

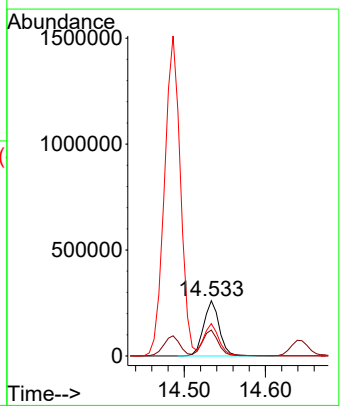
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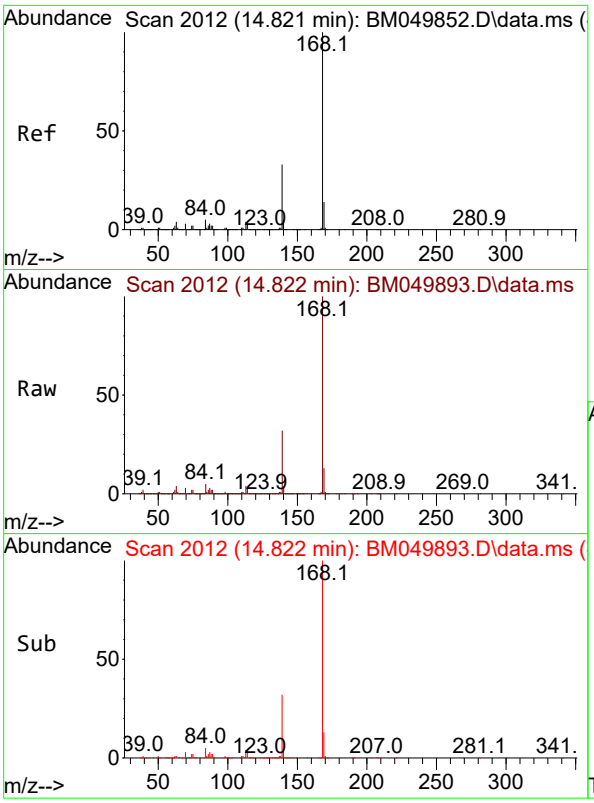


#54
2,4-Dinitrophenol
Concen: 38.650 ng
RT: 14.533 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:184 Resp: 351019

Ion	Ratio	Lower	Upper
184	100		
63	47.0	38.4	57.6
154	58.6	48.1	72.1

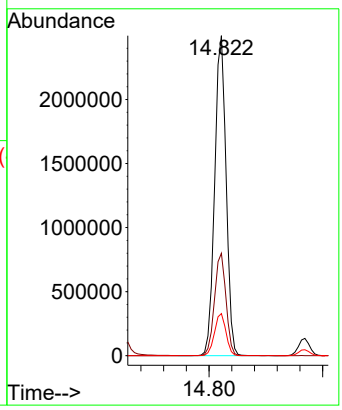




#55
Dibenzofuran
Concen: 40.415 ng
RT: 14.822 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:168 Resp: 347209

Ion	Ratio	Lower	Upper
168	100		
139	32.0	26.6	39.8
169	13.2	11.0	16.4



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

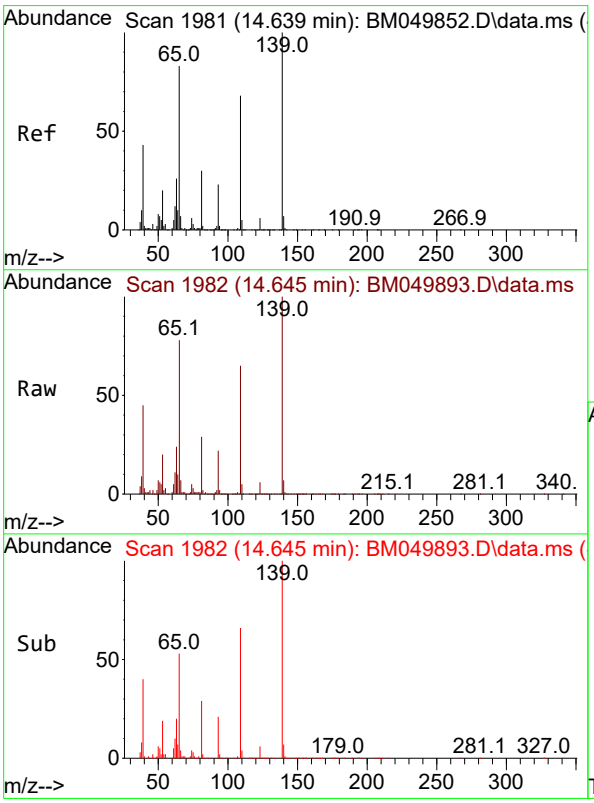
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Supervised By :Jagrut Upadhyay

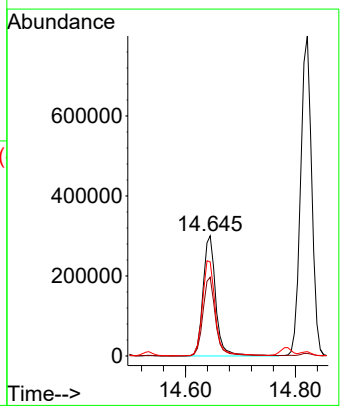
04/14/2025

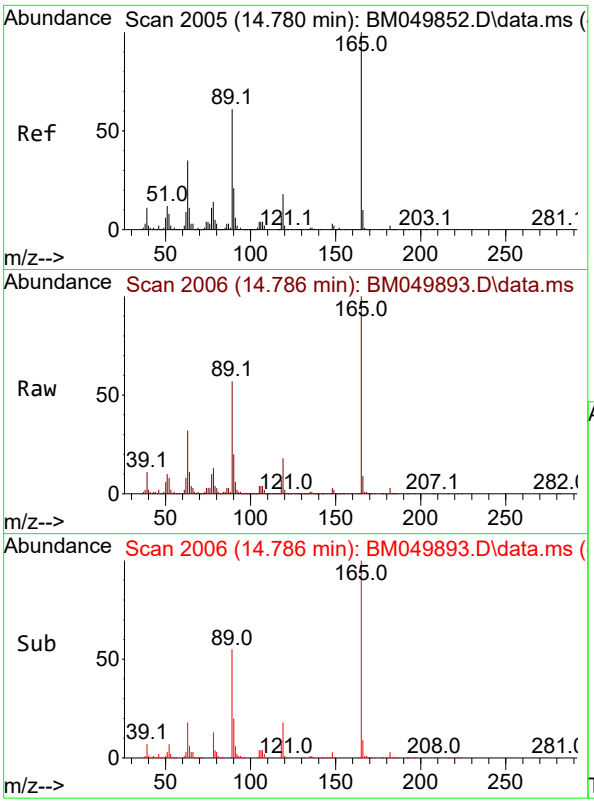


#56
4-Nitrophenol
Concen: 39.775 ng
RT: 14.645 min Scan# 1982
Delta R.T. 0.006 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:139 Resp: 480677

Ion	Ratio	Lower	Upper
139	100		
109	65.5	47.9	87.9
65	78.3	62.7	102.7

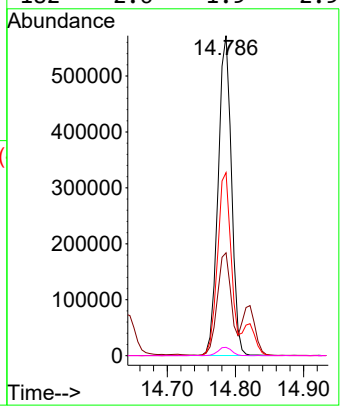




#57
2,4-Dinitrotoluene
Concen: 41.629 ng
RT: 14.786 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:165 Resp: 77925

Ion	Ratio	Lower	Upper
165	100		
63	32.2	28.6	42.8
89	57.2	49.0	73.6
182	2.6	1.9	2.9



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

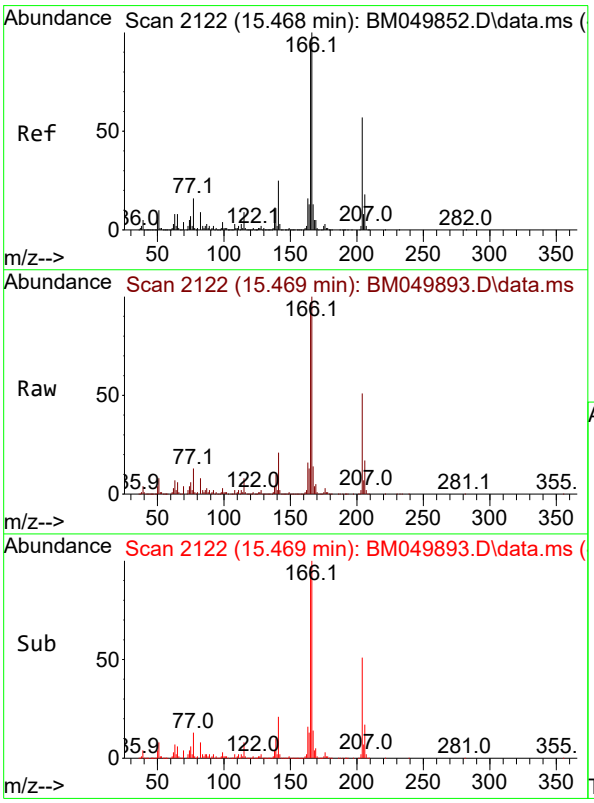
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Reviewed By :Rahul Chavli

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Supervised By :Jagrut Upadhyay

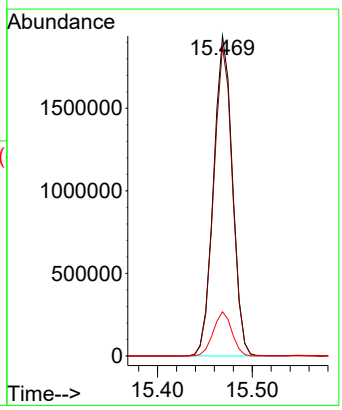
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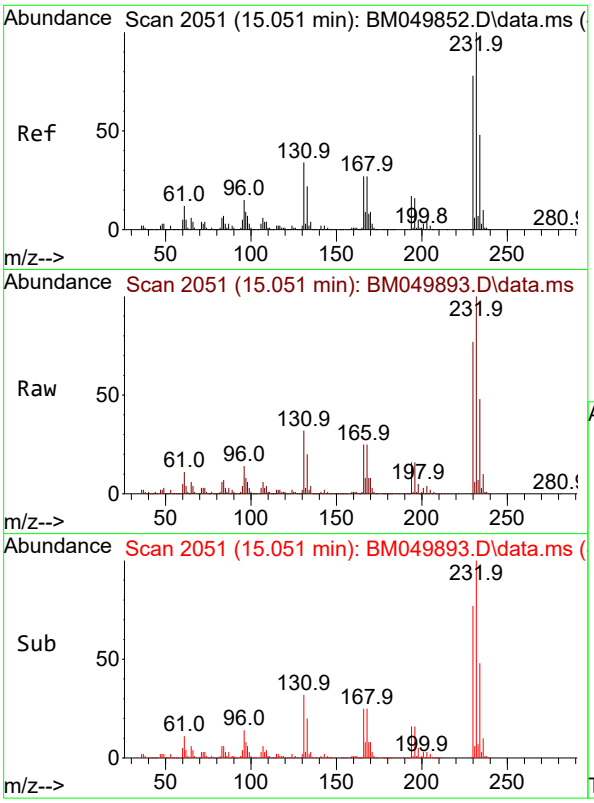


#58
Fluorene
Concen: 39.383 ng
RT: 15.469 min Scan# 2122
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:166 Resp: 2689379

Ion	Ratio	Lower	Upper
166	100		
165	96.7	76.3	114.5
167	13.8	10.7	16.1

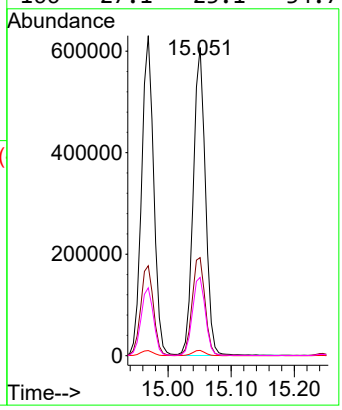




#59
2,3,4,6-Tetrachlorophenol
Concen: 40.351 ng
RT: 15.051 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:232 Resp: 81220

Ion	Ratio	Lower	Upper
232	100		
131	33.6	28.4	42.6
130	1.8	1.6	2.4
166	27.1	23.1	34.7



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

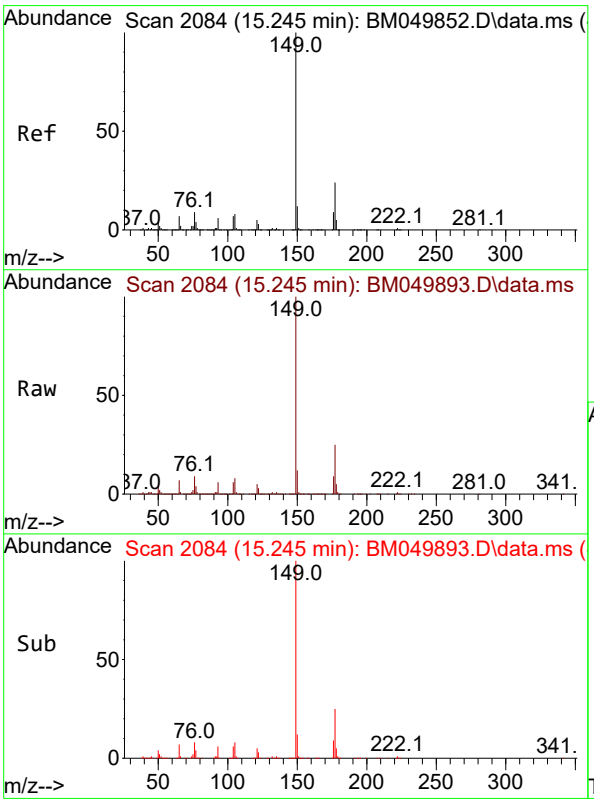
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Reviewed By :Rahul Chavli

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Supervised By :Jagrut Upadhyay

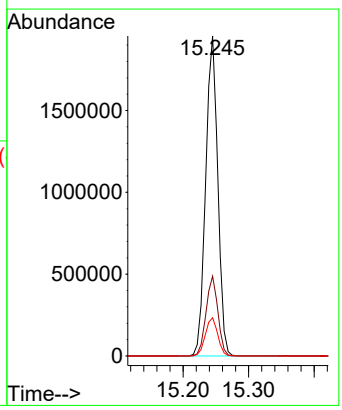
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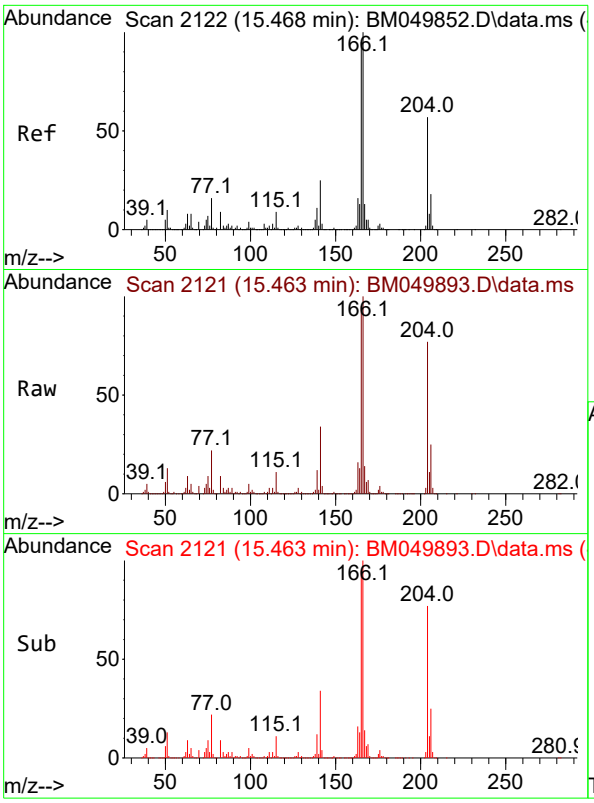


#60
Diethylphthalate
Concen: 39.054 ng
RT: 15.245 min Scan# 2084
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:149 Resp: 2508205

Ion	Ratio	Lower	Upper
149	100		
177	24.9	19.0	28.4
150	12.0	9.7	14.5





#61
4-Chlorophenyl-phenylether
Concen: 40.635 ng
RT: 15.463 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:204 Resp: 148773

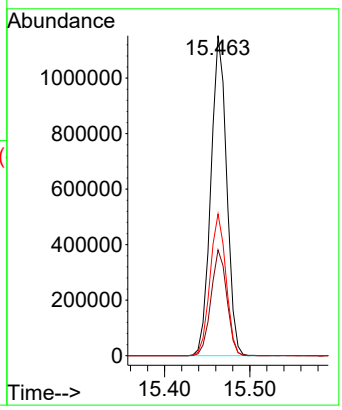
Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.2	39.2
141	44.3	35.0	52.6

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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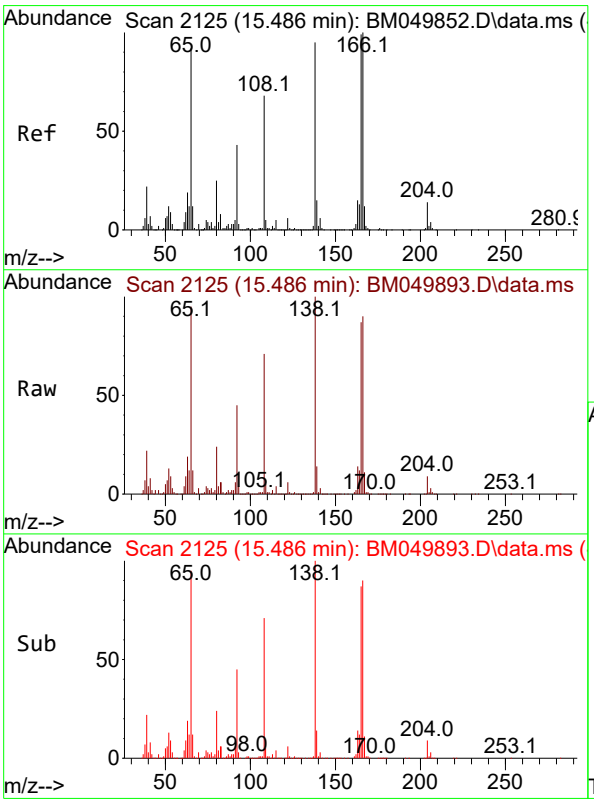
Reviewed By :Rahul Chavli

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Supervised By :Jagrut Upadhyay

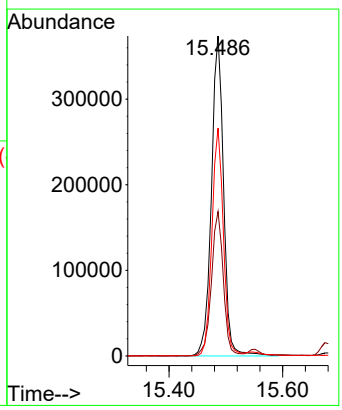
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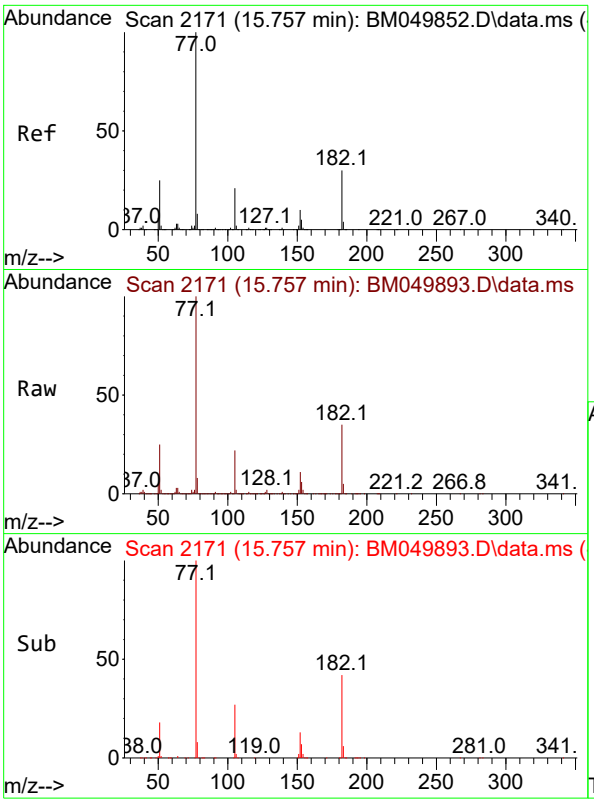


#62
4-Nitroaniline
Concen: 39.533 ng
RT: 15.486 min Scan# 2125
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:138 Resp: 554427

Ion	Ratio	Lower	Upper
138	100		
92	45.2	24.9	64.9
108	71.2	51.7	91.7

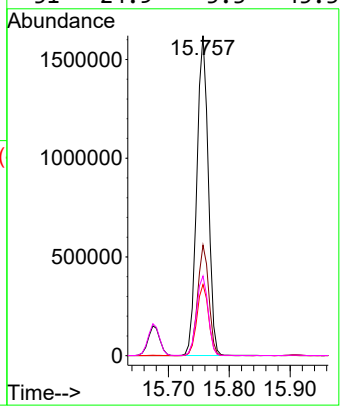




#63
Azobenzene
Concen: 38.515 ng
RT: 15.757 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion: 77 Resp: 211773

Ion	Ratio	Lower	Upper
77	100		
182	34.6	10.4	50.4
105	22.2	1.5	41.5
51	24.9	5.3	45.3



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

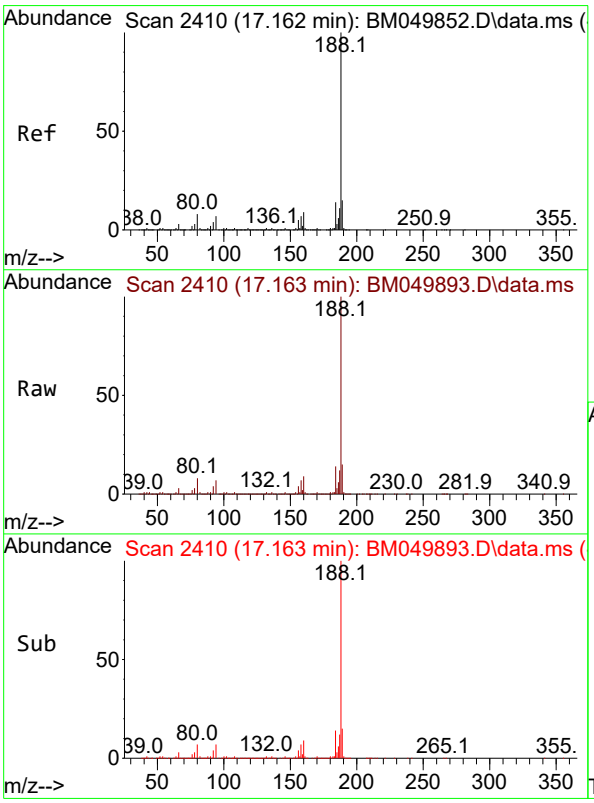
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Reviewed By :Rahul Chavli

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Supervised By :Jagrut Upadhyay

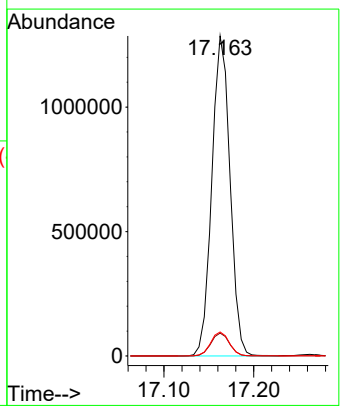
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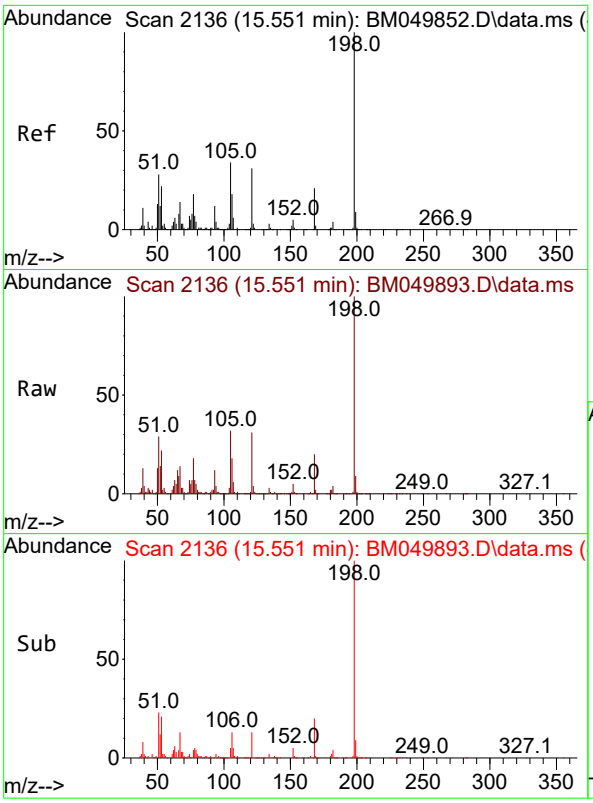


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.163 min Scan# 2410
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:188 Resp: 1809671

Ion	Ratio	Lower	Upper
188	100		
94	7.1	5.8	8.6
80	7.5	6.4	9.6





#65
4,6-Dinitro-2-methylphenol
Concen: 42.099 ng
RT: 15.551 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:198 Resp: 48008

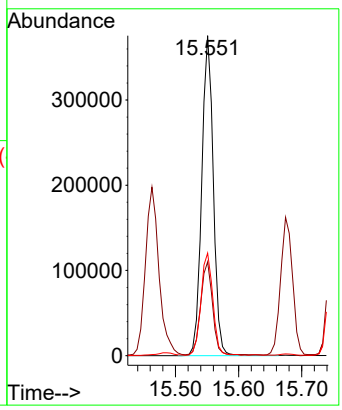
Ion	Ratio	Lower	Upper
198	100		
51	29.3	9.6	49.6
105	32.1	14.7	54.7

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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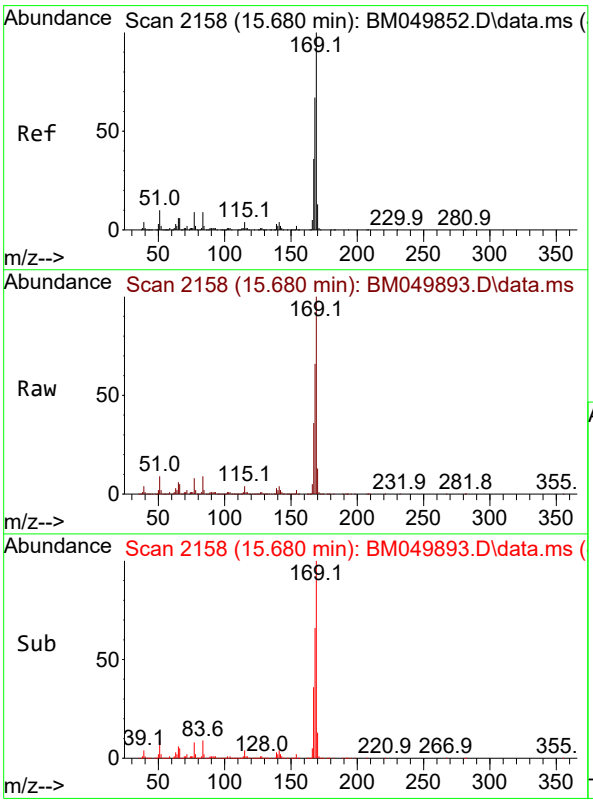
Reviewed By :Rahul Chavli

04/14/2025



Supervised By :Jagrut Upadhyay

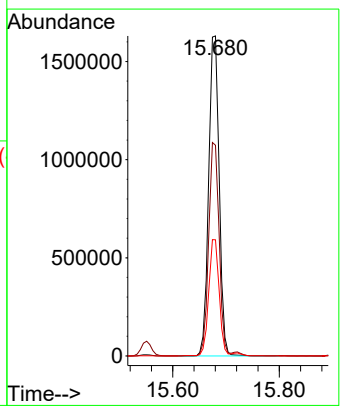
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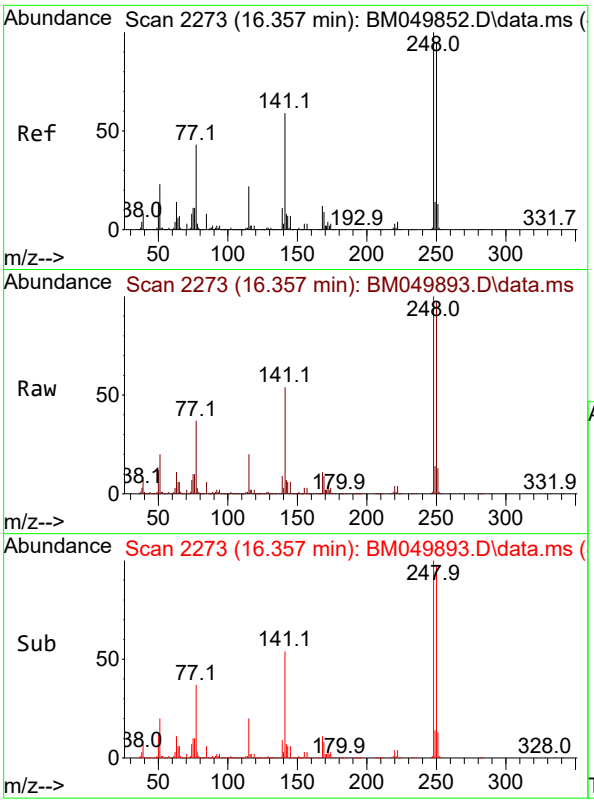


#66
n-Nitrosodiphenylamine
Concen: 41.328 ng
RT: 15.680 min Scan# 2158
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:169 Resp: 2238174

Ion	Ratio	Lower	Upper
169	100		
168	65.8	53.4	80.2
167	36.3	29.0	43.6

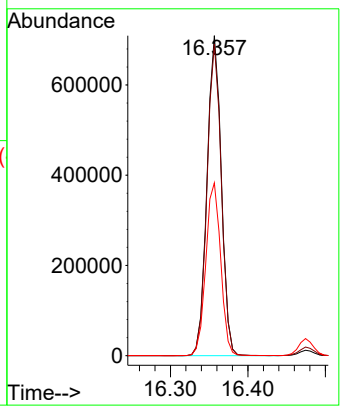




#67
4-Bromophenyl-phenylether
Concen: 43.280 ng
RT: 16.357 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:248 Resp: 90922

Ion	Ratio	Lower	Upper
248	100		
250	97.4	76.2	114.2
141	54.0	47.3	70.9



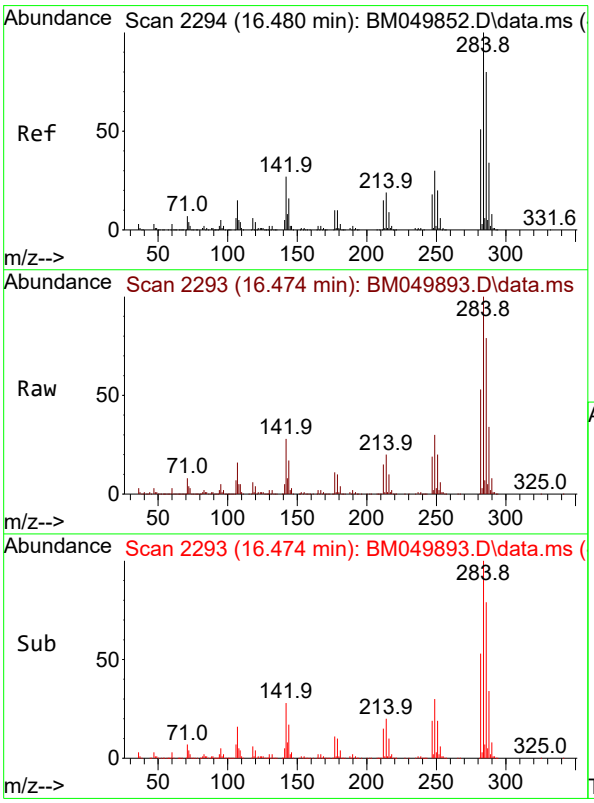
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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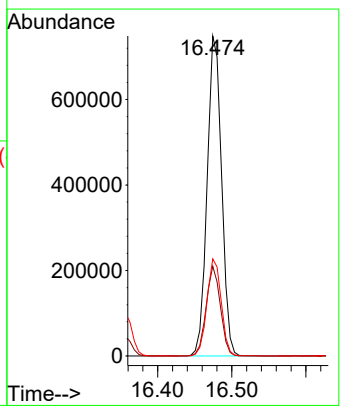
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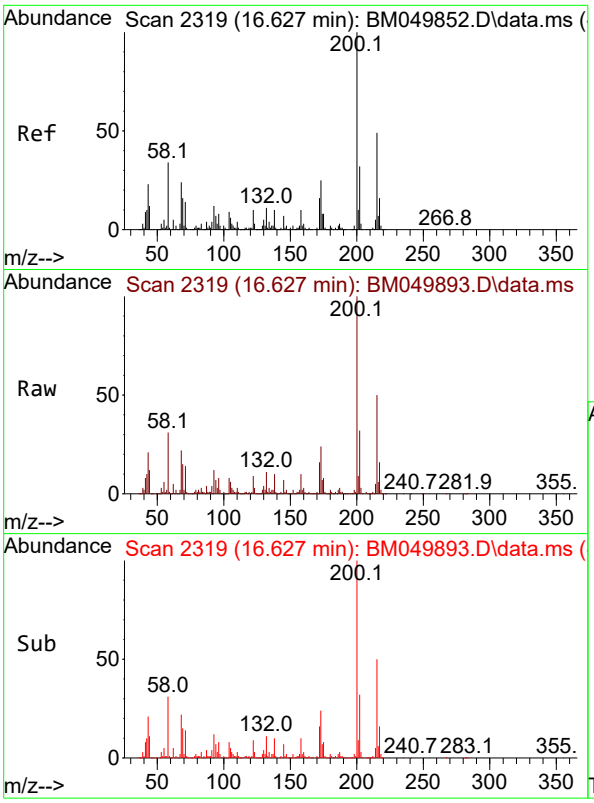


#68
Hexachlorobenzene
Concen: 42.081 ng
RT: 16.474 min Scan# 2293
Delta R.T. -0.006 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:284 Resp: 1014015

Ion	Ratio	Lower	Upper
284	100		
142	28.0	21.2	31.8
249	30.4	24.1	36.1





#69
Atrazine
Concen: 40.593 ng
RT: 16.627 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:200 Resp: 57000

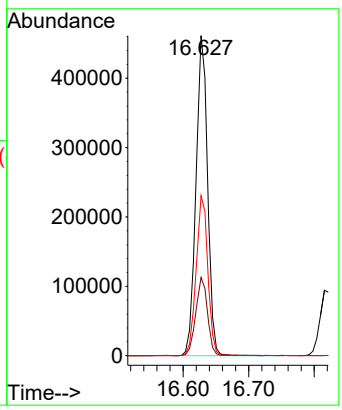
Ion	Ratio	Lower	Upper
200	100		
173	24.4	5.4	45.4
215	50.0	29.0	69.0

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

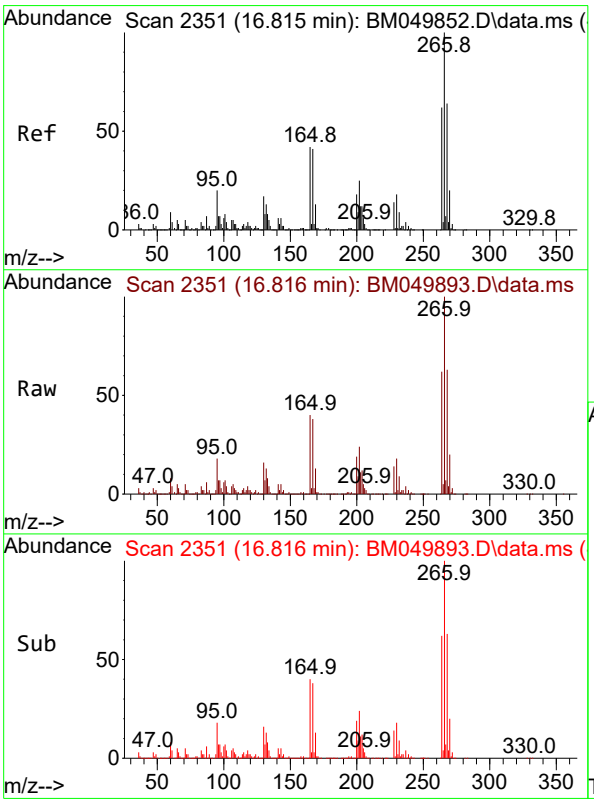
Reviewed By :Rahul Chavli

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Supervised By :Jagrut Upadhyay

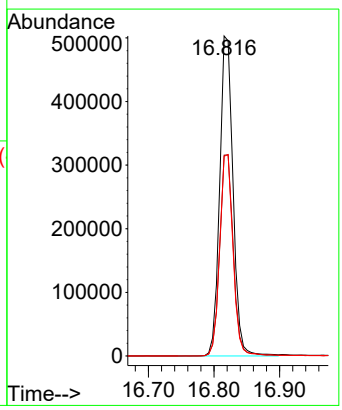
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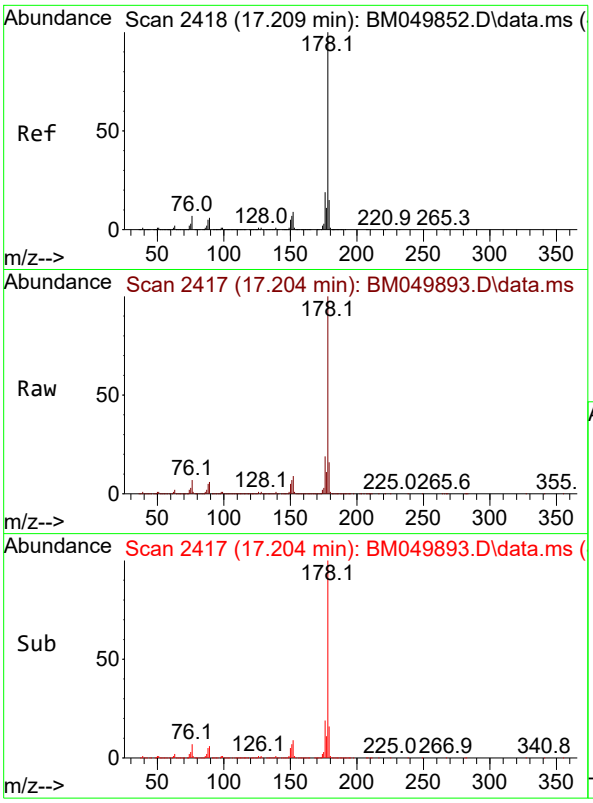


#70
Pentachlorophenol
Concen: 39.861 ng
RT: 16.816 min Scan# 2351
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:266 Resp: 707166

Ion	Ratio	Lower	Upper
266	100		
268	62.8	51.4	77.2
264	62.4	49.8	74.8





#71
Phenanthrene
Concen: 40.603 ng
RT: 17.204 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:178 Resp: 402835

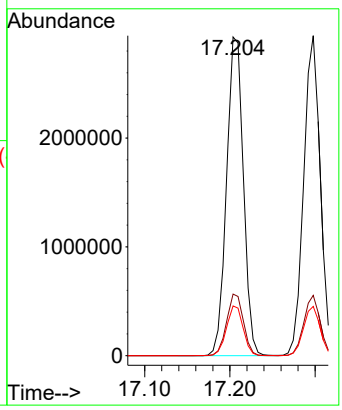
Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.6	12.3	18.5

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

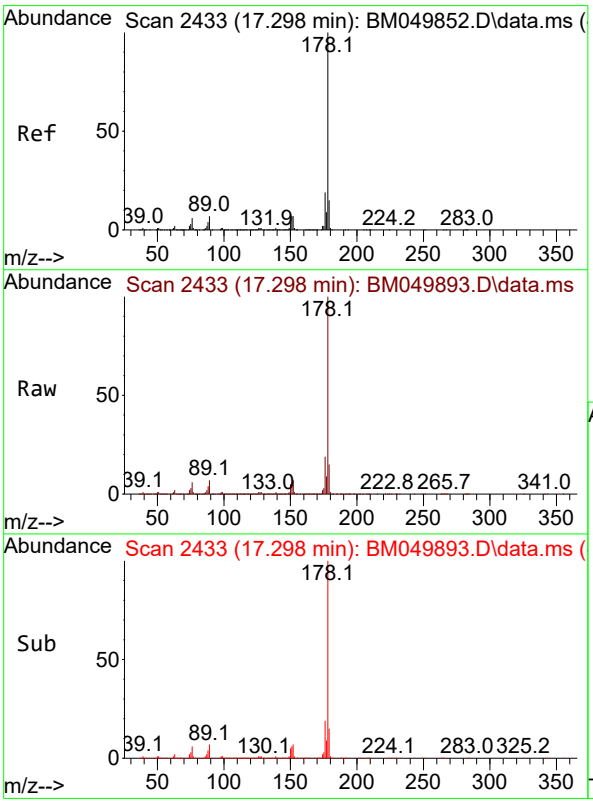
Reviewed By :Rahul Chavli

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Supervised By :Jagrut Upadhyay

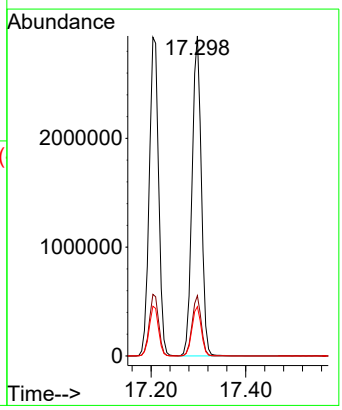
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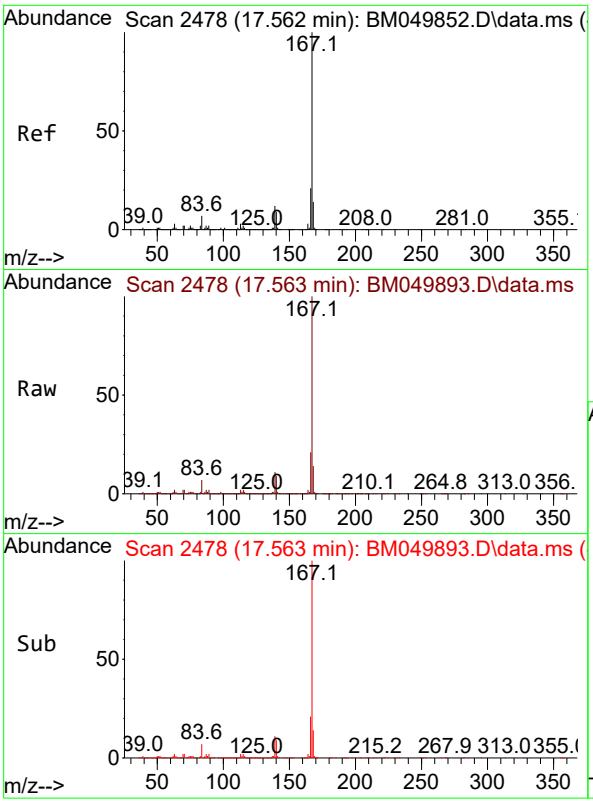


#72
Anthracene
Concen: 40.721 ng
RT: 17.298 min Scan# 2433
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:178 Resp: 3981381

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.1	22.7
179	15.4	12.4	18.6





#73
Carbazole
Concen: 39.766 ng
RT: 17.563 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:167 Resp: 366203

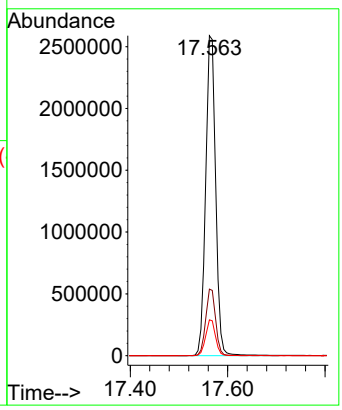
Ion	Ratio	Lower	Upper
167	100		
166	20.8	16.9	25.3
139	11.2	9.3	13.9

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

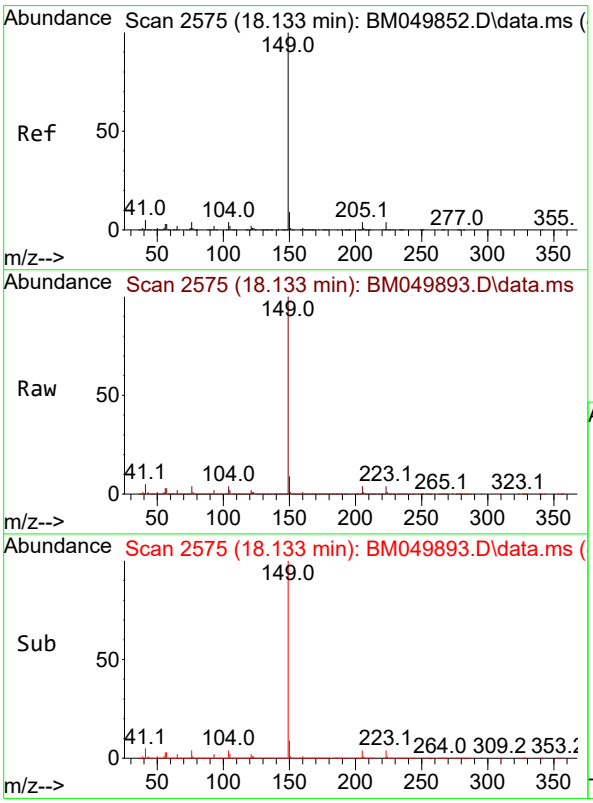
Reviewed By :Rahul Chavli

04/14/2025



Supervised By :Jagrut Upadhyay

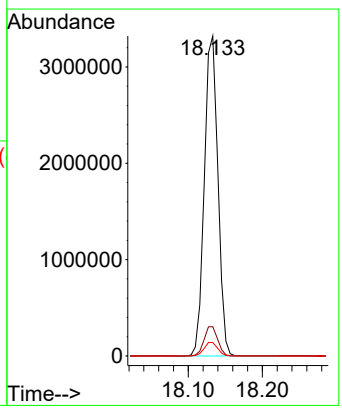
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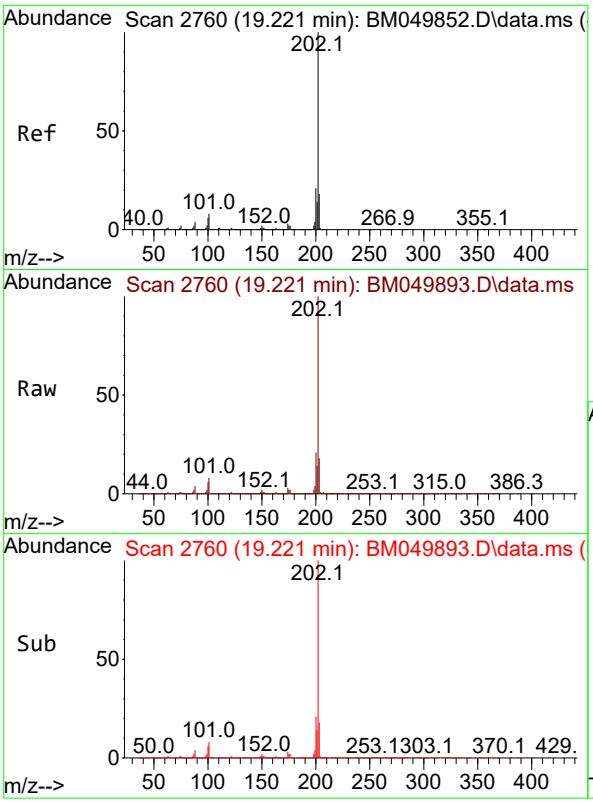


#74
Di-n-butylphthalate
Concen: 39.932 ng
RT: 18.133 min Scan# 2575
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:149 Resp: 4235598

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.5	11.3
104	4.2	3.5	5.3

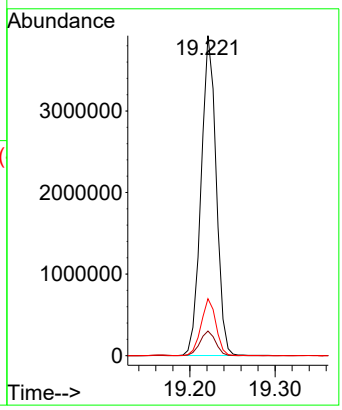




#75
Fluoranthene
Concen: 39.620 ng
RT: 19.221 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:202 Resp: 483306

Ion	Ratio	Lower	Upper
202	100		
101	7.7	0.0	28.4
203	17.8	0.0	37.8



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

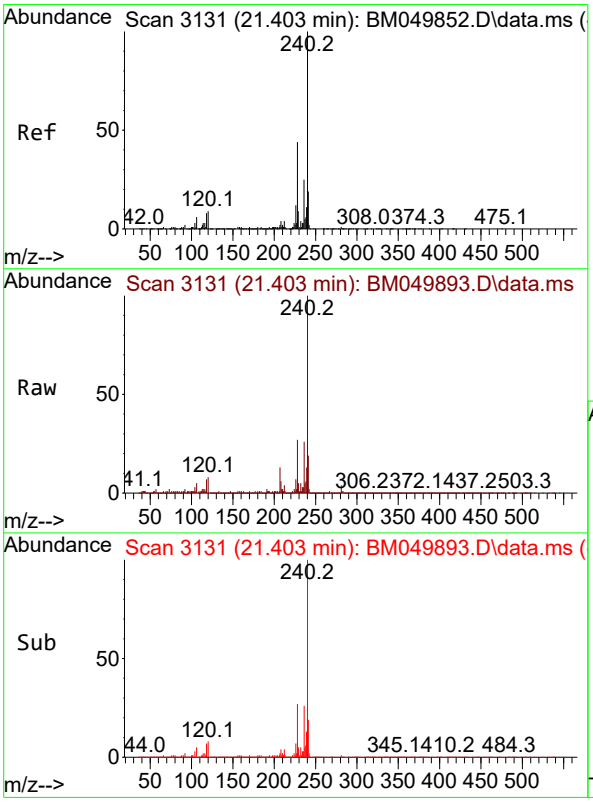
Manual Integrations APPROVED

Reviewed By :Rahul Chavli

04/14/2025

Supervised By :Jagrut Upadhyay

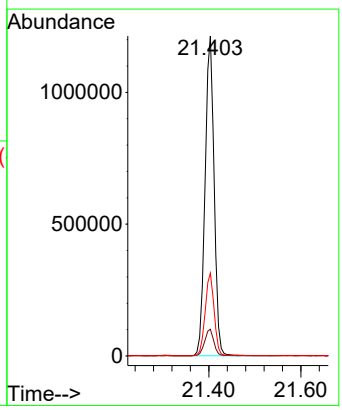
04/14/2025

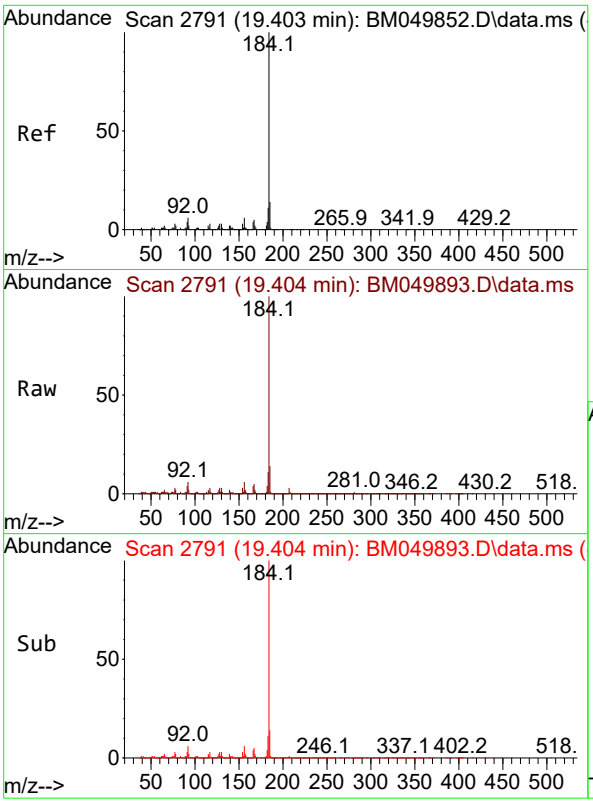


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:240 Resp: 1670661

Ion	Ratio	Lower	Upper
240	100		
120	8.3	6.9	10.3
236	25.9	20.4	30.6

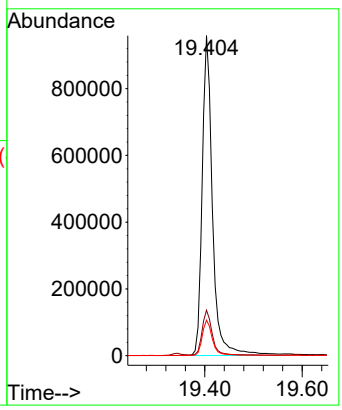




#77
Benzidine
Concen: 63.453 ng
RT: 19.404 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:184 Resp: 140635

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.4	17.2
183	11.1	8.8	13.2



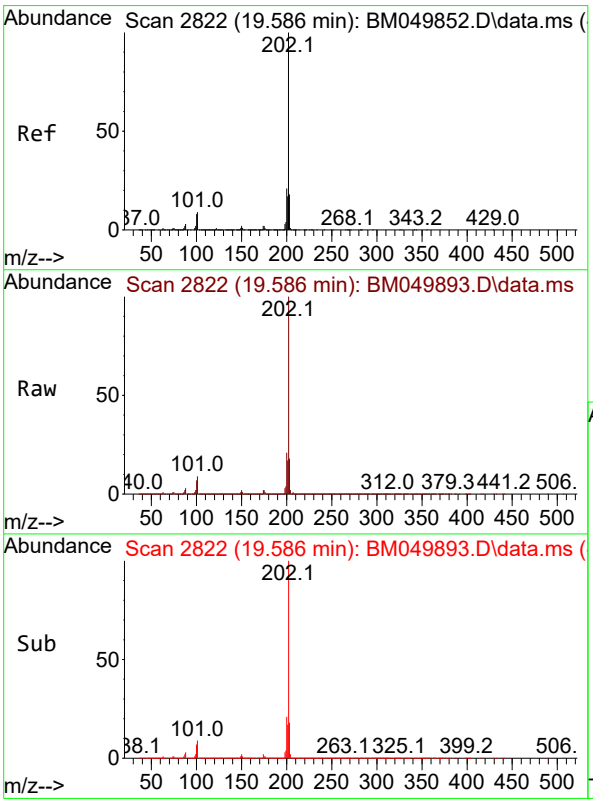
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli

04/14/2025
Supervised By :Jagrut Upadhyay

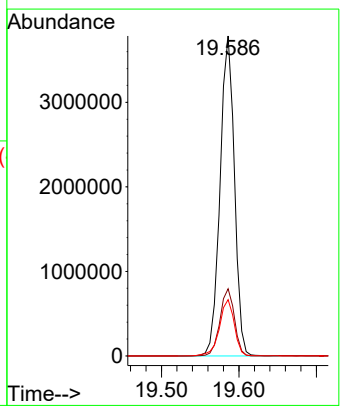
04/14/2025

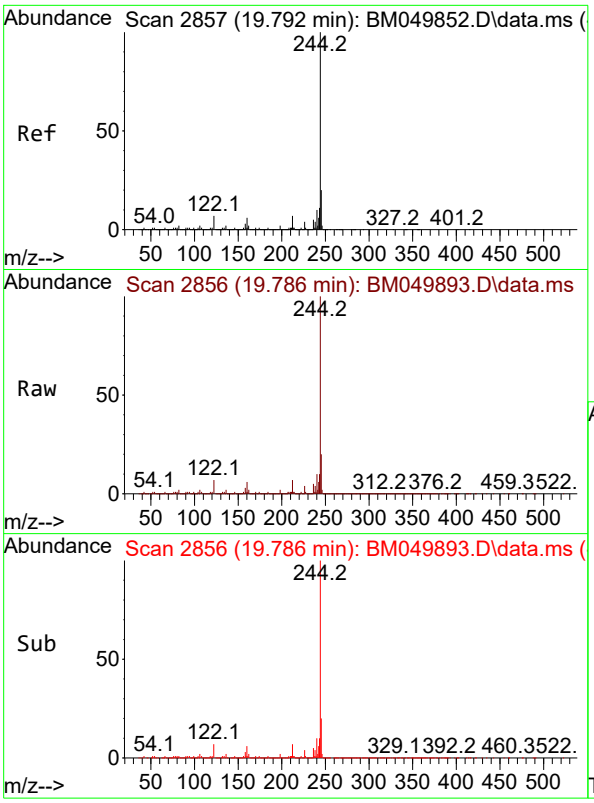


#78
Pyrene
Concen: 42.386 ng
RT: 19.586 min Scan# 2822
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:202 Resp: 4880250

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.5	24.7
203	17.6	14.0	21.0

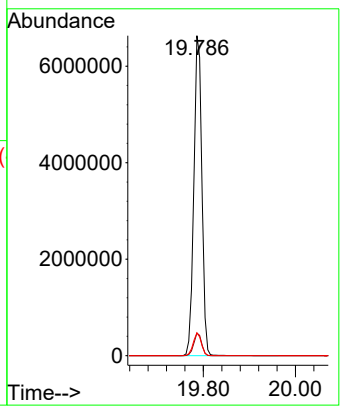




#79
Terphenyl-d14
Concen: 89.379 ng
RT: 19.786 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:244 Resp: 796791

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



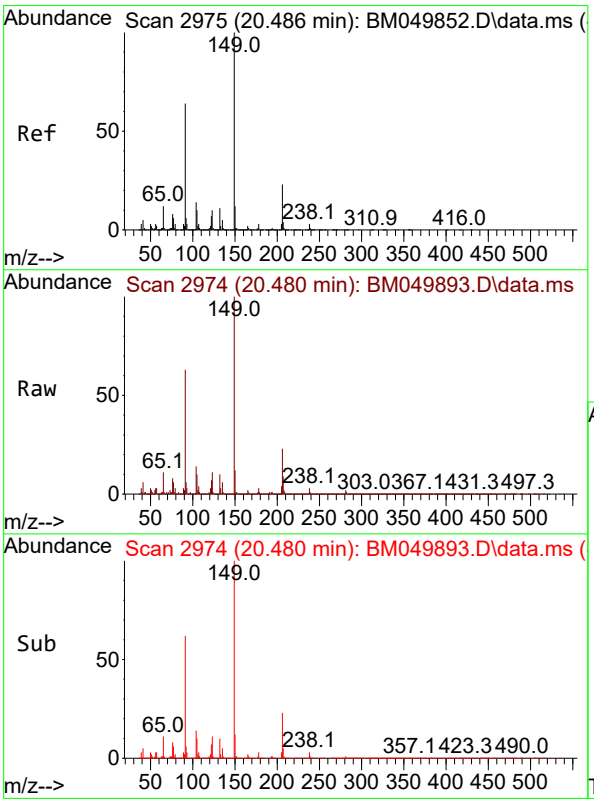
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli

04/14/2025
Supervised By :Jagrut Upadhyay

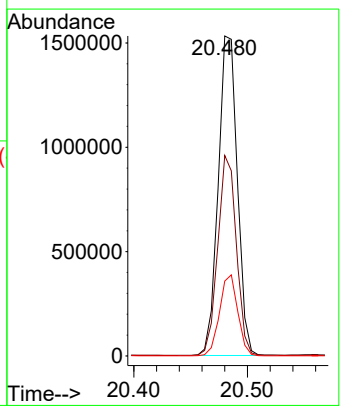
04/14/2025

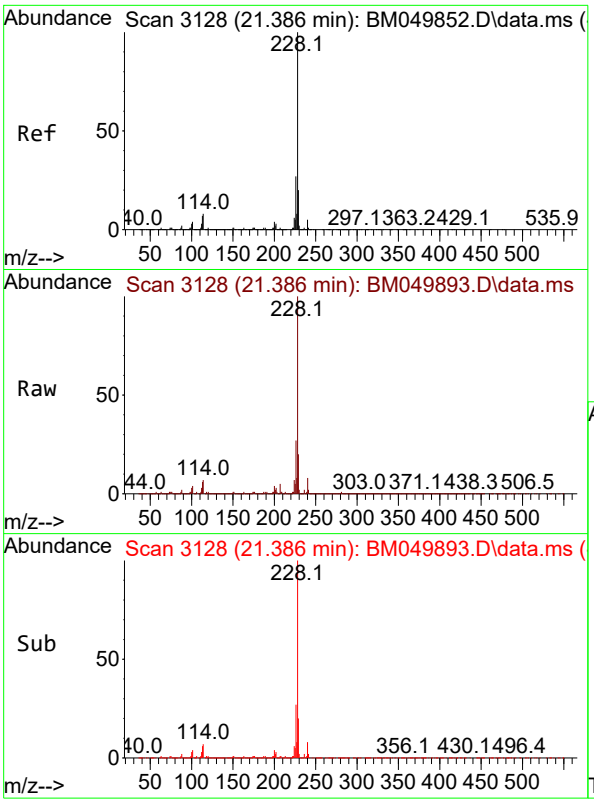


#80
Butylbenzylphthalate
Concen: 41.462 ng
RT: 20.480 min Scan# 2974
Delta R.T. -0.006 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:149 Resp: 1793803

Ion	Ratio	Lower	Upper
149	100		
91	62.7	50.9	76.3
206	23.4	18.4	27.6

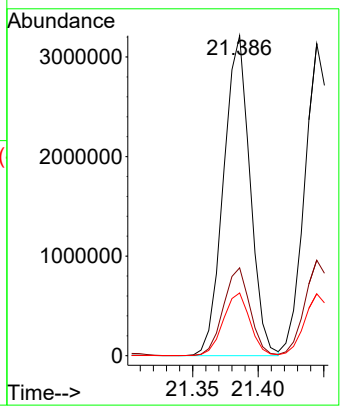




#81
Benzo(a)anthracene
Concen: 40.601 ng
RT: 21.386 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:228 Resp: 450799

Ion	Ratio	Lower	Upper
228	100		
226	27.5	21.8	32.8
229	19.6	15.8	23.8



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

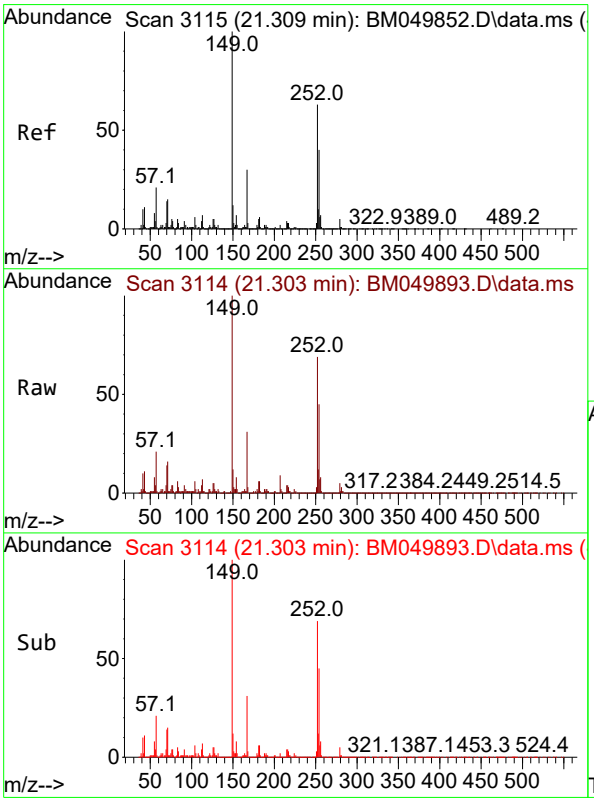
Manual Integrations APPROVED

Reviewed By :Rahul Chavli

04/14/2025

Supervised By :Jagrut Upadhyay

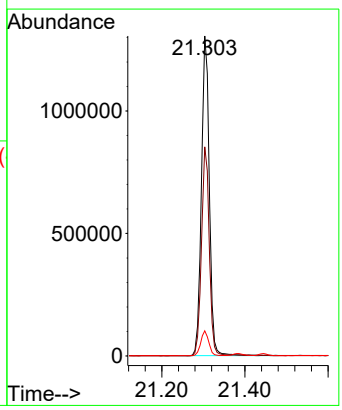
04/14/2025

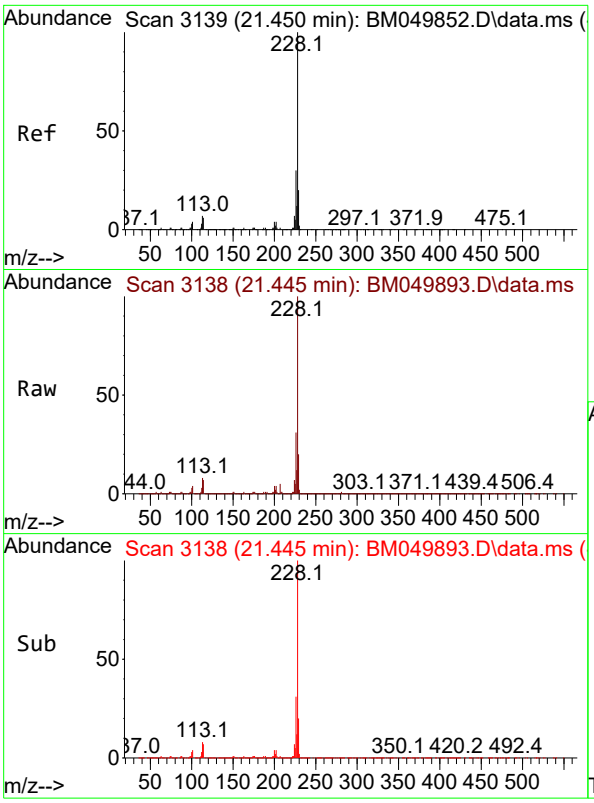


#82
3,3'-Dichlorobenzidine
Concen: 41.087 ng
RT: 21.303 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:252 Resp: 1722764

Ion	Ratio	Lower	Upper
252	100		
254	65.3	51.5	77.3
126	7.8	6.3	9.5

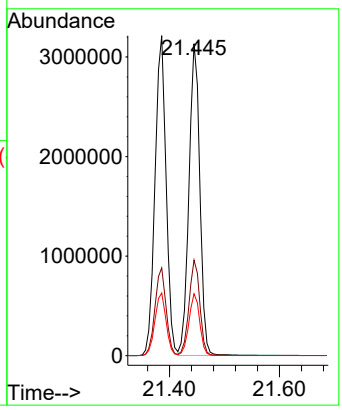




#83
Chrysene
Concen: 40.667 ng
RT: 21.445 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:228 Resp: 429269

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.1	36.1
229	19.8	15.8	23.6



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

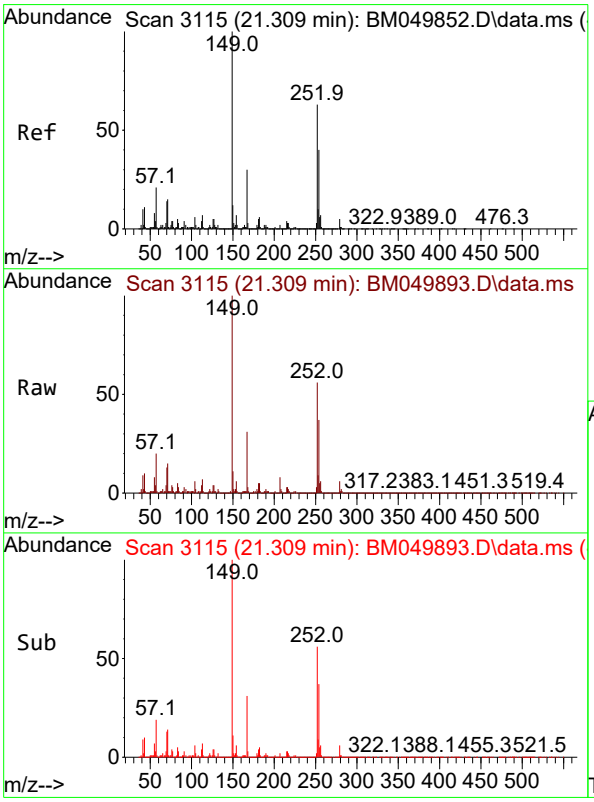
Manual Integrations APPROVED

Reviewed By :Rahul Chavli

04/14/2025

Supervised By :Jagrut Upadhyay

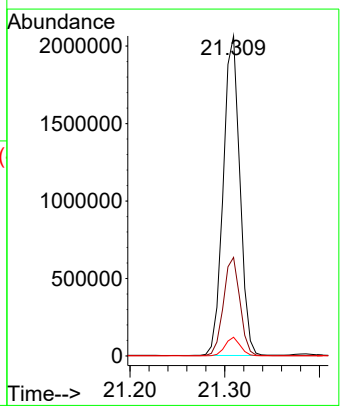
04/14/2025

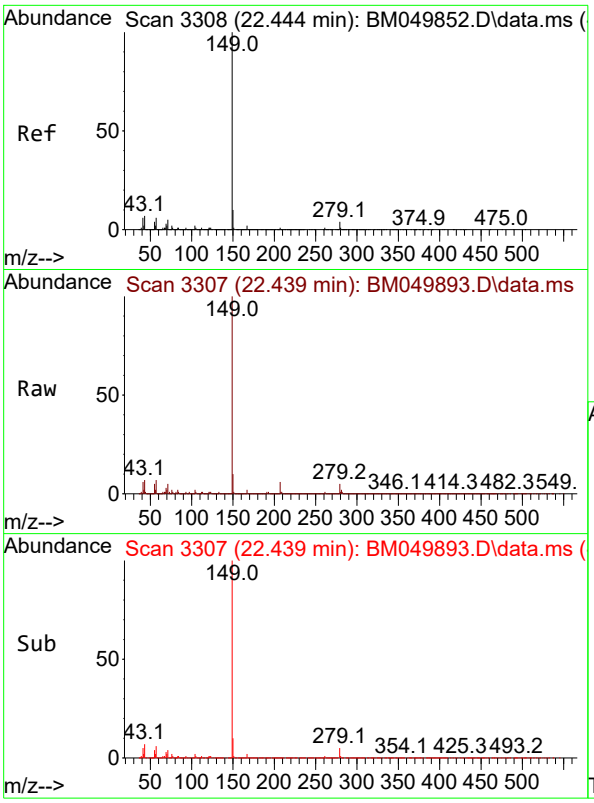


#84
Bis(2-ethylhexyl)phthalate
Concen: 39.898 ng
RT: 21.309 min Scan# 3115
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:149 Resp: 2514897

Ion	Ratio	Lower	Upper
149	100		
167	30.8	23.8	35.6
279	5.9	3.8	5.8#





#85
Di-n-octyl phthalate
Concen: 40.121 ng
RT: 22.439 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:149 Resp: 442428

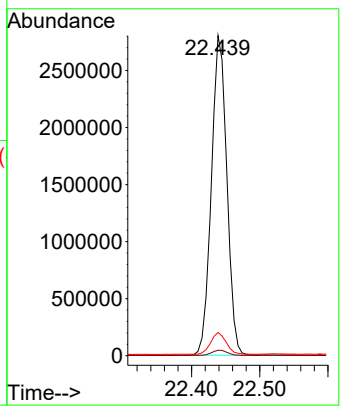
Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.3	1.9
43	6.8	5.8	8.6

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Manual Integrations
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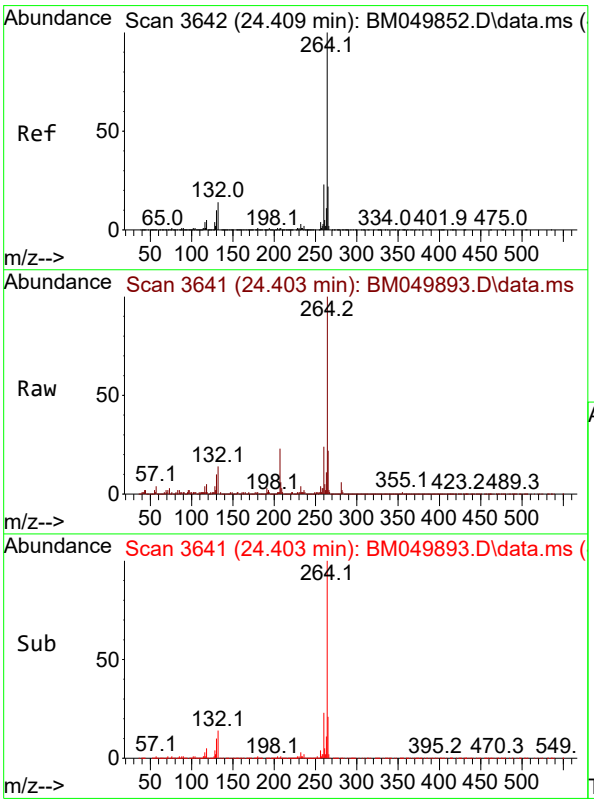
Reviewed By :Rahul Chavli

04/14/2025



Supervised By :Jagrut Upadhyay

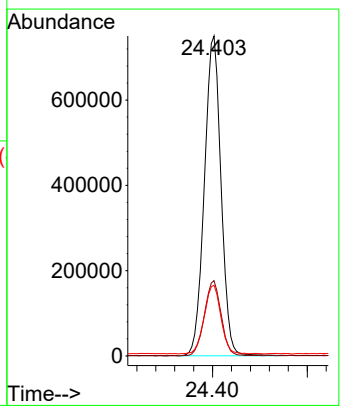
04/14/2025

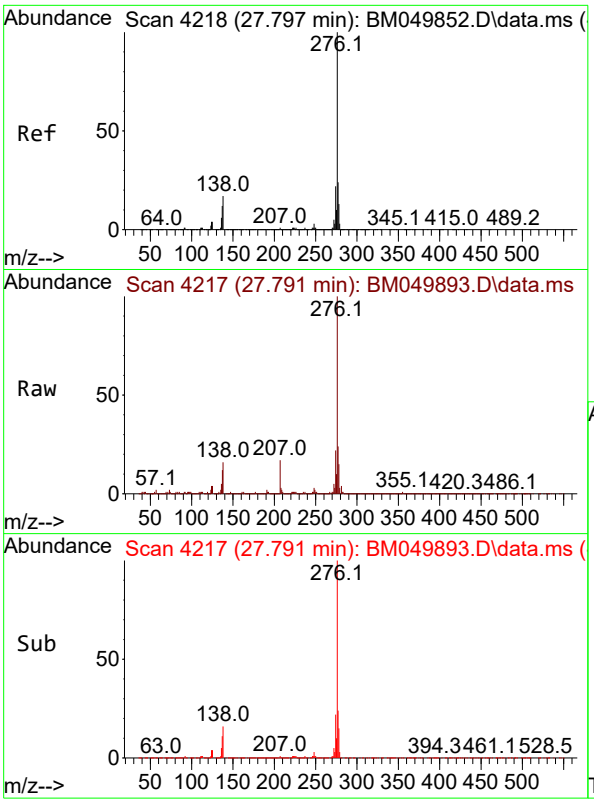


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.403 min Scan# 3641
Delta R.T. -0.006 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:264 Resp: 1828451

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	28.0
265	22.1	17.8	26.8

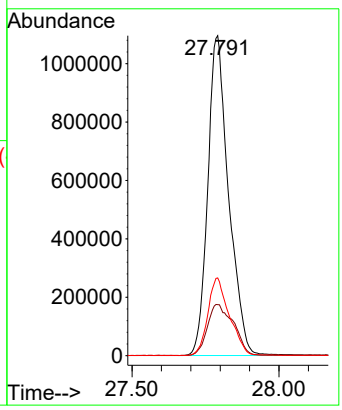




#87
Indeno(1,2,3-cd)pyrene
Concen: 39.611 ng
RT: 27.791 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:276 Resp: 539877

Ion	Ratio	Lower	Upper
276	100		
138	20.0	16.8	25.2
277	25.0	20.1	30.1



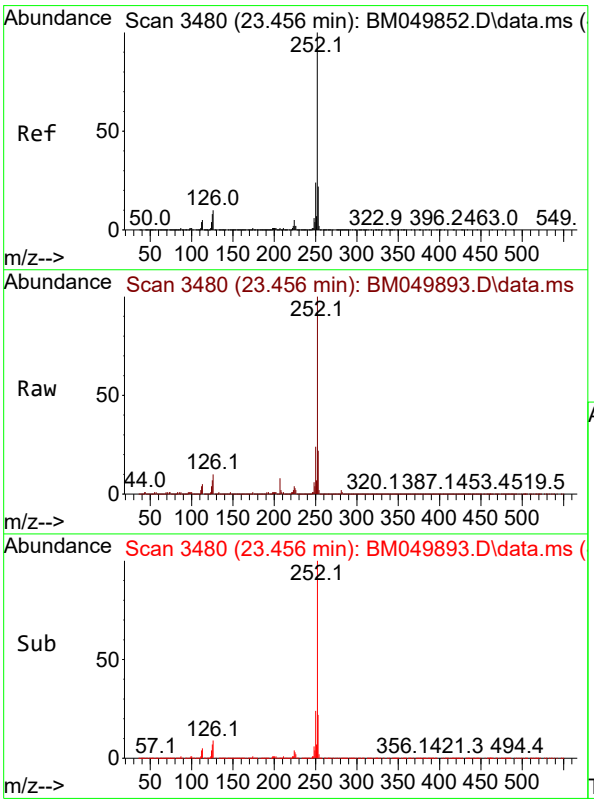
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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Reviewed By :Rahul Chavli

04/14/2025
Supervised By :Jagrut Upadhyay

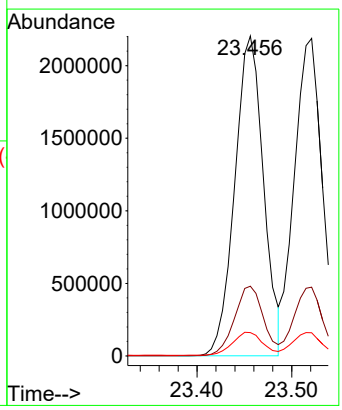
04/14/2025

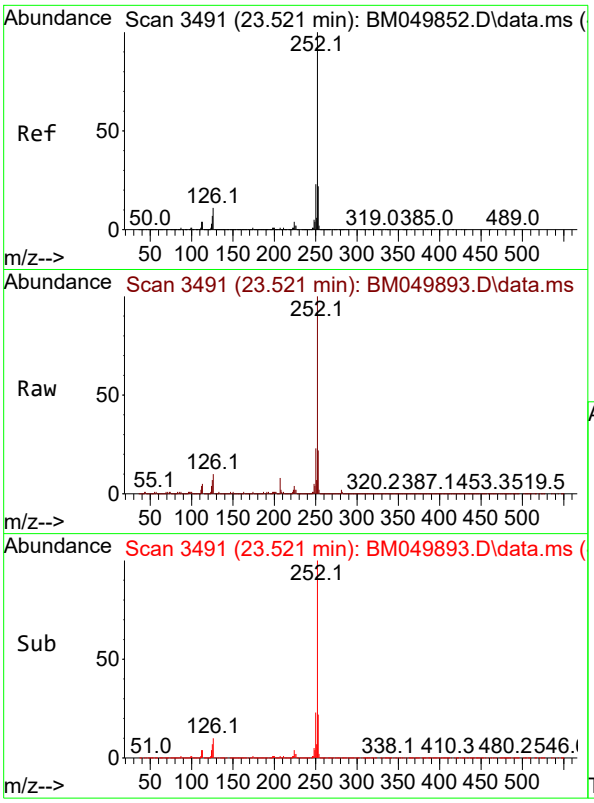


#88
Benzo(b)fluoranthene
Concen: 39.761 ng
RT: 23.456 min Scan# 3480
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:252 Resp: 4643112

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	7.3	6.2	9.4





#89
Benzo(k)fluoranthene
Concen: 39.549 ng
RT: 23.521 min Scan# 34
Delta R.T. 0.000 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:252 Resp: 447549

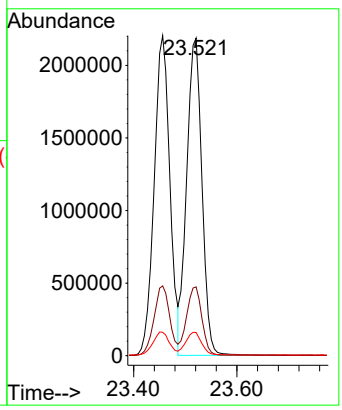
Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2
125	7.3	5.8	8.8

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

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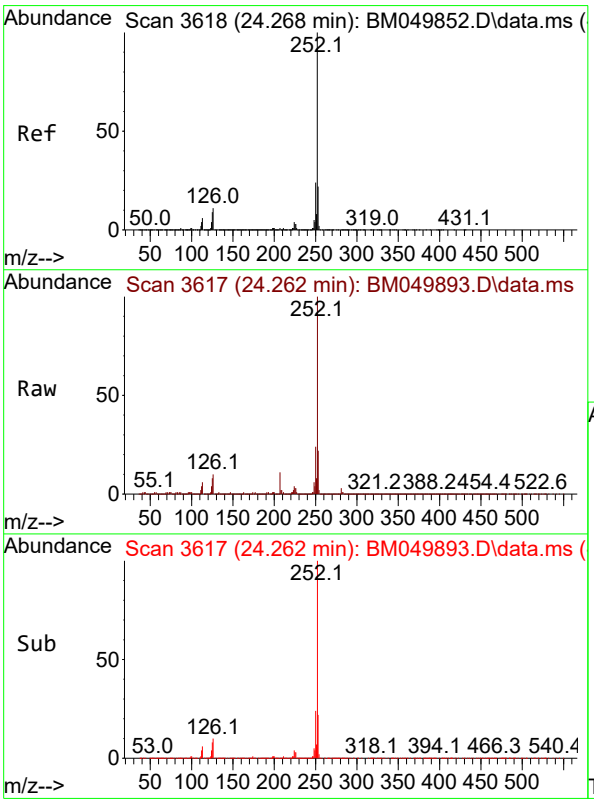
Reviewed By :Rahul Chavli

04/14/2025



Supervised By :Jagrut Upadhyay

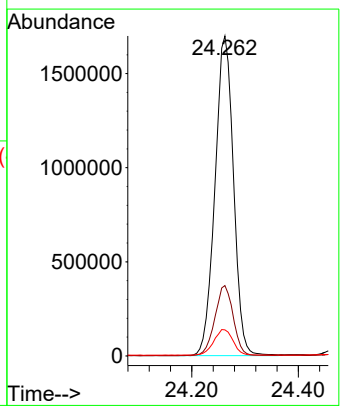
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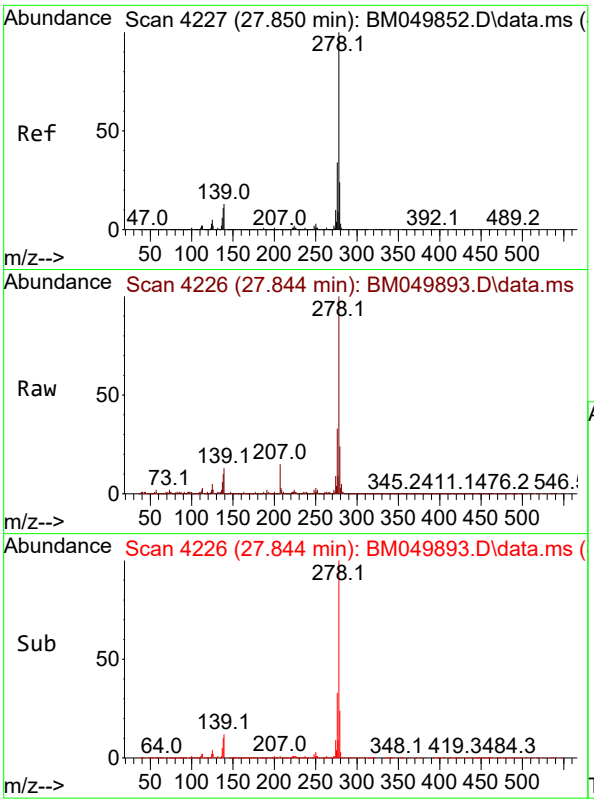


#90
Benzo(a)pyrene
Concen: 39.959 ng
RT: 24.262 min Scan# 3617
Delta R.T. -0.006 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:252 Resp: 4100423

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.8
125	8.1	7.0	10.4

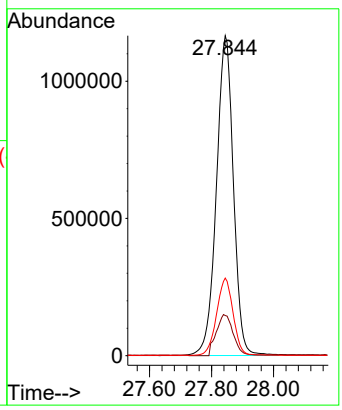




#91
Dibenzo(a,h)anthracene
Concen: 39.621 ng
RT: 27.844 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:278 Resp: 444805

Ion	Ratio	Lower	Upper
278	100		
139	12.6	10.6	15.8
279	24.2	19.1	28.7



Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

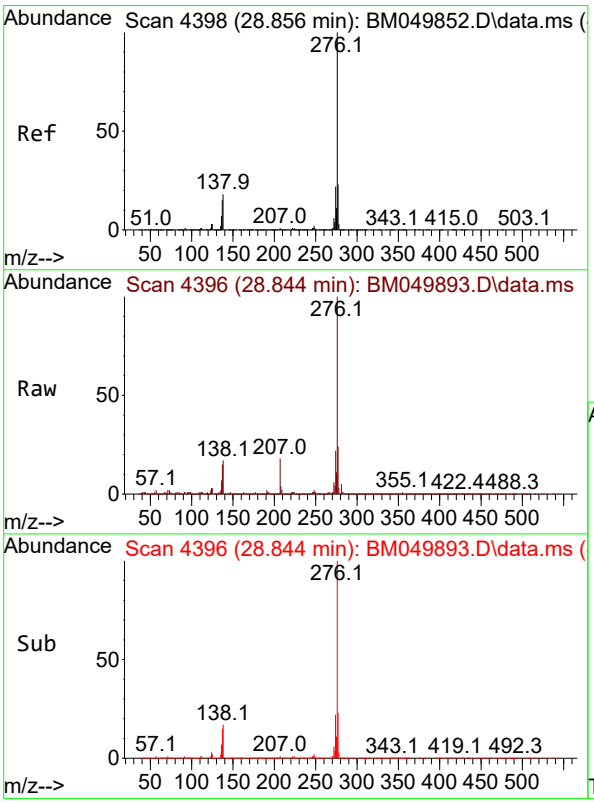
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Reviewed By :Rahul Chavli

04/14/2025

Supervised By :Jagrut Upadhyay

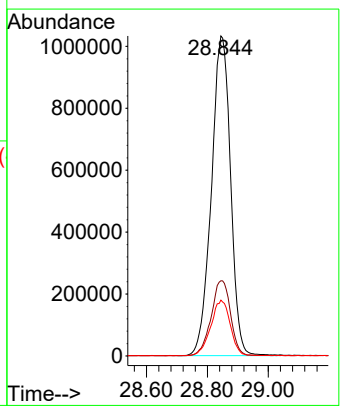
04/14/2025



#92
Benzo(g,h,i)perylene
Concen: 39.349 ng
RT: 28.844 min Scan# 4396
Delta R.T. -0.012 min
Lab File: BM049893.D
Acq: 11 Apr 2025 09:37

Tgt Ion:276 Resp: 4514071

Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.7	28.1
138	17.5	14.6	21.8



Sample Results: **BM049893.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041125\
Data File : BM049893.D
Acq On : 11 Apr 2025 09:37
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 11 11:40:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	146	0.00
2		1,4-Dioxane	0.485	0.457	5.8	137	0.00
3		Pyridine	1.274	1.219	4.3	138	0.00
4		n-Nitrosodimethylamine	0.485	0.479	1.2	143	0.00
5	S	2-Fluorophenol	1.178	1.163	1.3	142	0.00
6		Aniline	1.256	1.295	-3.1	143	0.00
7	S	Phenol-d6	1.465	1.462	0.2	143	0.00
8		2-Chlorophenol	1.207	1.219	-1.0	146	0.00
9		Benzaldehyde	0.752	0.692	8.0	135	0.00
10	C	Phenol	1.430	1.432	-0.1	145	0.00
11		bis(2-Chloroethyl)ether	1.121	1.142	-1.9	147	0.00
12		1,3-Dichlorobenzene	1.427	1.435	-0.6	146	0.00
13	C	1,4-Dichlorobenzene	1.436	1.438	-0.1	144	0.00
14		1,2-Dichlorobenzene	1.352	1.358	-0.4	144	0.00
15		Benzyl Alcohol	0.923	0.946	-2.5	145	0.00
16		2,2'-oxybis(1-Chloropropane	1.250	1.259	-0.7	145	0.00
17		2-Methylphenol	0.881	0.887	-0.7	145	0.00
18		Hexachloroethane	0.500	0.484	3.2	140	0.00
19	P	n-Nitroso-di-n-propylamine	0.812	0.817	-0.6	143	0.00
20		3+4-Methylphenols	1.201	1.208	-0.6	144	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	147	0.00
22		Acetophenone	0.486	0.483	0.6	143	0.00
23	S	Nitrobenzene-d5	0.359	0.359	0.0	143	0.00
24		Nitrobenzene	0.346	0.342	1.2	141	0.00
25		Isophorone	0.602	0.601	0.2	143	0.00
26	C	2-Nitrophenol	0.183	0.195	-6.6	151#	0.00
27		2,4-Dimethylphenol	0.208	0.215	-3.4	147	0.00
28		bis(2-Chloroethoxy)methane	0.403	0.407	-1.0	146	0.00
29	C	2,4-Dichlorophenol	0.345	0.357	-3.5	148	0.00
30		1,2,4-Trichlorobenzene	0.399	0.410	-2.8	149	0.00
31		Naphthalene	1.028	1.029	-0.1	145	0.00
32		Benzoic acid	0.220	0.253	-15.0	161#	0.03
33		4-Chloroaniline	0.363	0.365	-0.6	141	0.00
34	C	Hexachlorobutadiene	0.247	0.258	-4.5	152#	0.00
35		Caprolactam	0.099	0.094	5.1	135	0.00
36	C	4-Chloro-3-methylphenol	0.302	0.305	-1.0	144	0.00
37		2-Methylnaphthalene	0.724	0.740	-2.2	148	0.00
38		1-Methylnaphthalene	0.705	0.717	-1.7	147	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	147	0.00
40		1,2,4,5-Tetrachlorobenzene	0.700	0.733	-4.7	153#	0.00
41	P	Hexachlorocyclopentadiene	0.245	0.267	-9.0	149	0.00
42	S	2,4,6-Tribromophenol	0.291	0.301	-3.4	151#	0.00
43	C	2,4,6-Trichlorophenol	0.445	0.469	-5.4	150#	0.00
44		2,4,5-Trichlorophenol	0.484	0.502	-3.7	148	0.00
45	S	2-Fluorobiphenyl	1.475	1.507	-2.2	147	0.00
46		1,1'-Biphenyl	1.487	1.508	-1.4	145	0.00
47		2-Chloronaphthalene	1.169	1.169	0.0	144	0.00

Sample Results: **BM049893.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041125\
Data File : BM049893.D
Acq On : 11 Apr 2025 09:37
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 11 11:40:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.270	0.273	-1.1	142	0.00
49		Acenaphthylene	1.702	1.713	-0.6	145	0.00
50		Dimethylphthalate	1.411	1.415	-0.3	145	0.00
51		2,6-Dinitrotoluene	0.296	0.303	-2.4	144	0.00
52	C	Acenaphthene	1.083	1.090	-0.6	144	0.00
53		3-Nitroaniline	0.286	0.287	-0.3	137	0.00
54	P	2,4-Dinitrophenol	0.175	0.185	-5.7	148	0.00
55		Dibenzofuran	1.810	1.829	-1.0	146	0.00
56	P	4-Nitrophenol	0.255	0.253	0.8	138	0.00
57		2,4-Dinitrotoluene	0.394	0.410	-4.1	144	0.00
58		Fluorene	1.439	1.417	1.5	141	0.00
59		2,3,4,6-Tetrachlorophenol	0.424	0.428	-0.9	148	0.00
60		Diethylphthalate	1.353	1.321	2.4	140	0.00
61		4-Chlorophenyl-phenylether	0.771	0.784	-1.7	146	0.00
62		4-Nitroaniline	0.295	0.292	1.0	135	0.00
63		Azobenzene	1.158	1.115	3.7	137	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	144	0.00
65		4,6-Dinitro-2-methylphenol	0.126	0.133	-5.6	144	0.00
66	c	n-Nitrosodiphenylamine	0.599	0.618	-3.2	143	0.00
67		4-Bromophenyl-phenylether	0.232	0.251	-8.2	151#	0.00
68		Hexachlorobenzene	0.266	0.280	-5.3	148	0.00
69		Atrazine	0.155	0.157	-1.3	175#	0.00
70	C	Pentachlorophenol	0.196	0.195	0.5	137	0.00
71		Phenanthrene	1.096	1.113	-1.6	141	0.00
72		Anthracene	1.081	1.100	-1.8	141	0.00
73		Carbazole	1.018	1.012	0.6	137	0.00
74		Di-n-butylphthalate	1.172	1.170	0.2	138	0.00
75	C	Fluoranthene	1.348	1.335	1.0	138	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	131	0.00
77		Benzidine	0.265	0.421	-58.9#	137	0.00
78		Pyrene	1.378	1.461	-6.0	136	0.00
79	S	Terphenyl-d14	1.067	1.192	-11.7	131	0.00
80		Butylbenzylphthalate	0.518	0.537	-3.7	131	0.00
81		Benzo(a)anthracene	1.329	1.349	-1.5	130	0.00
82		3,3'-Dichlorobenzidine	0.502	0.516	-2.8	128	0.00
83		Chrysene	1.264	1.285	-1.7	130	0.00
84		Bis(2-ethylhexyl)phthalate	0.755	0.753	0.3	126	0.00
85	c	Di-n-octyl phthalate	1.320	1.324	-0.3	127	0.00
86	I	Perylene-d12	1.000	1.000	0.0	132	0.00
87		Indeno(1,2,3-cd)pyrene	1.491	1.476	1.0	130	0.00
88		Benzo(b)fluoranthene	1.277	1.270	0.5	128	0.00
89		Benzo(k)fluoranthene	1.238	1.224	1.1	130	0.00
90	C	Benzo(a)pyrene	1.122	1.121	0.1	131	0.00
91		Dibenzo(a,h)anthracene	1.228	1.216	1.0	129	0.00
92		Benzo(g,h,i)perylene	1.255	1.234	1.7	129	-0.01

Sample Results: **BM049893.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041125\
Data File : BM049893.D
Acq On : 11 Apr 2025 09:37
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 11 11:40:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Sample Results: **BM049893.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041125\
Data File : BM049893.D
Acq On : 11 Apr 2025 09:37
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 11 11:40:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	146	0.00
2		1,4-Dioxane	40.000	37.663	5.8	137	0.00
3		Pyridine	40.000	38.276	4.3	138	0.00
4		n-Nitrosodimethylamine	40.000	39.523	1.2	143	0.00
5	S	2-Fluorophenol	80.000	78.988	1.3	142	0.00
6		Aniline	40.000	41.241	-3.1	143	0.00
7	S	Phenol-d6	80.000	79.822	0.2	143	0.00
8		2-Chlorophenol	40.000	40.381	-1.0	146	0.00
9		Benzaldehyde	40.000	36.822	7.9	135	0.00
10	C	Phenol	40.000	40.056	-0.1	145	0.00
11		bis(2-Chloroethyl)ether	40.000	40.722	-1.8	147	0.00
12		1,3-Dichlorobenzene	40.000	40.234	-0.6	146	0.00
13	C	1,4-Dichlorobenzene	40.000	40.058	-0.1	144	0.00
14		1,2-Dichlorobenzene	40.000	40.166	-0.4	144	0.00
15		Benzyl Alcohol	40.000	41.027	-2.6	145	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	40.302	-0.8	145	0.00
17		2-Methylphenol	40.000	40.272	-0.7	145	0.00
18		Hexachloroethane	40.000	38.720	3.2	140	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	40.256	-0.6	143	0.00
20		3+4-Methylphenols	40.000	40.232	-0.6	144	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	147	0.00
22		Acetophenone	40.000	39.774	0.6	143	0.00
23	S	Nitrobenzene-d5	80.000	79.895	0.1	143	0.00
24		Nitrobenzene	40.000	39.591	1.0	141	0.00
25		Isophorone	40.000	39.985	0.0	143	0.00
26	C	2-Nitrophenol	40.000	42.532	-6.3	151	0.00
27		2,4-Dimethylphenol	40.000	41.322	-3.3	147	0.00
28		bis(2-Chloroethoxy)methane	40.000	40.435	-1.1	146	0.00
29	C	2,4-Dichlorophenol	40.000	41.323	-3.3	148	0.00
30		1,2,4-Trichlorobenzene	40.000	41.025	-2.6	149	0.00
31		Naphthalene	40.000	40.053	-0.1	145	0.00
32		Benzoic acid	40.000	40.814	-2.0	161	0.03
33		4-Chloroaniline	40.000	40.274	-0.7	141	0.00
34	C	Hexachlorobutadiene	40.000	41.753	-4.4	152	0.00
35		Caprolactam	40.000	37.934	5.2	135	0.00
36	C	4-Chloro-3-methylphenol	40.000	40.269	-0.7	144	0.00
37		2-Methylnaphthalene	40.000	40.877	-2.2	148	0.00
38		1-Methylnaphthalene	40.000	40.665	-1.7	147	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	147	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	41.886	-4.7	153	0.00
41	P	Hexachlorocyclopentadiene	40.000	43.593	-9.0	149	0.00
42	S	2,4,6-Tribromophenol	80.000	82.853	-3.6	151	0.00
43	C	2,4,6-Trichlorophenol	40.000	42.095	-5.2	150	0.00
44		2,4,5-Trichlorophenol	40.000	41.542	-3.9	148	0.00
45	S	2-Fluorobiphenyl	80.000	81.759	-2.2	147	0.00
46		1,1'-Biphenyl	40.000	40.585	-1.5	145	0.00
47		2-Chloronaphthalene	40.000	39.999	0.0	144	0.00

Sample Results: **BM049893.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041125\
Data File : BM049893.D
Acq On : 11 Apr 2025 09:37
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 11 11:40:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	40.347	-0.9	142	0.00
49		Acenaphthylene	40.000	40.265	-0.7	145	0.00
50		Dimethylphthalate	40.000	40.118	-0.3	145	0.00
51		2,6-Dinitrotoluene	40.000	41.015	-2.5	144	0.00
52	C	Acenaphthene	40.000	40.257	-0.6	144	0.00
53		3-Nitroaniline	40.000	40.246	-0.6	137	0.00
54	P	2,4-Dinitrophenol	40.000	38.650	3.4	148	0.00
55		Dibenzofuran	40.000	40.415	-1.0	146	0.00
56	P	4-Nitrophenol	40.000	39.775	0.6	138	0.00
57		2,4-Dinitrotoluene	40.000	41.629	-4.1	144	0.00
58		Fluorene	40.000	39.383	1.5	141	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	40.351	-0.9	148	0.00
60		Diethylphthalate	40.000	39.054	2.4	140	0.00
61		4-Chlorophenyl-phenylether	40.000	40.635	-1.6	146	0.00
62		4-Nitroaniline	40.000	39.533	1.2	135	0.00
63		Azobenzene	40.000	38.515	3.7	137	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	144	0.00
65		4,6-Dinitro-2-methylphenol	40.000	42.099	-5.2	144	0.00
66	c	n-Nitrosodiphenylamine	40.000	41.328	-3.3	143	0.00
67		4-Bromophenyl-phenylether	40.000	43.280	-8.2	151	0.00
68		Hexachlorobenzene	40.000	42.081	-5.2	148	0.00
69		Atrazine	40.000	40.593	-1.5	175	0.00
70	C	Pentachlorophenol	40.000	39.861	0.3	137	0.00
71		Phenanthrene	40.000	40.603	-1.5	141	0.00
72		Anthracene	40.000	40.721	-1.8	141	0.00
73		Carbazole	40.000	39.766	0.6	137	0.00
74		Di-n-butylphthalate	40.000	39.932	0.2	138	0.00
75	C	Fluoranthene	40.000	39.620	1.0	138	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	131	0.00
77		Benzidine	40.000	63.453	-58.6#	137	0.00
78		Pyrene	40.000	42.386	-6.0	136	0.00
79	S	Terphenyl-d14	80.000	89.379	-11.7	131	0.00
80		Butylbenzylphthalate	40.000	41.462	-3.7	131	0.00
81		Benzo(a)anthracene	40.000	40.601	-1.5	130	0.00
82		3,3'-Dichlorobenzidine	40.000	41.087	-2.7	128	0.00
83		Chrysene	40.000	40.667	-1.7	130	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	39.898	0.3	126	0.00
85	c	Di-n-octyl phthalate	40.000	40.121	-0.3	127	0.00
86	I	Perylene-d12	20.000	20.000	0.0	132	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	39.611	1.0	130	0.00
88		Benzo(b)fluoranthene	40.000	39.761	0.6	128	0.00
89		Benzo(k)fluoranthene	40.000	39.549	1.1	130	0.00
90	C	Benzo(a)pyrene	40.000	39.959	0.1	131	0.00
91		Dibenzo(a,h)anthracene	40.000	39.621	0.9	129	0.00
92		Benzo(g,h,i)perylene	40.000	39.349	1.6	129	-0.01

Sample Results: **BM049893.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041125\
Data File : BM049893.D
Acq On : 11 Apr 2025 09:37
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 11 11:40:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

QC SAMPLE DATA

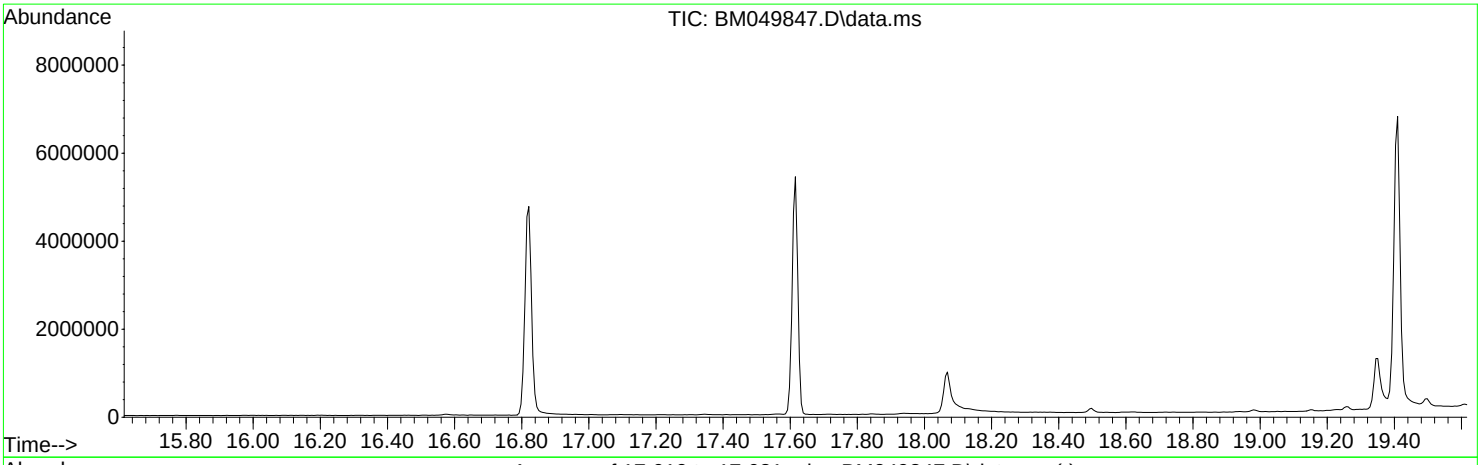
Sample Results: **BM049847.D**

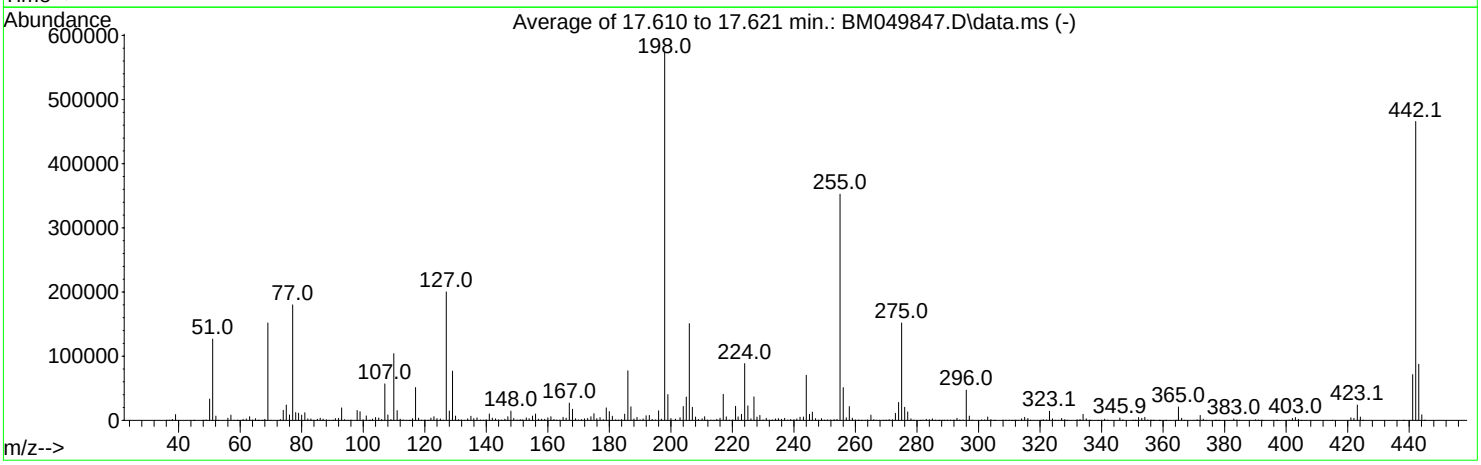
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049847.D
Acq On : 08 Apr 2025 12:55
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Integration File: rteint.p

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





AutoFind: Scans 2486, 2487, 2488; Background Corrected with Scan 2479

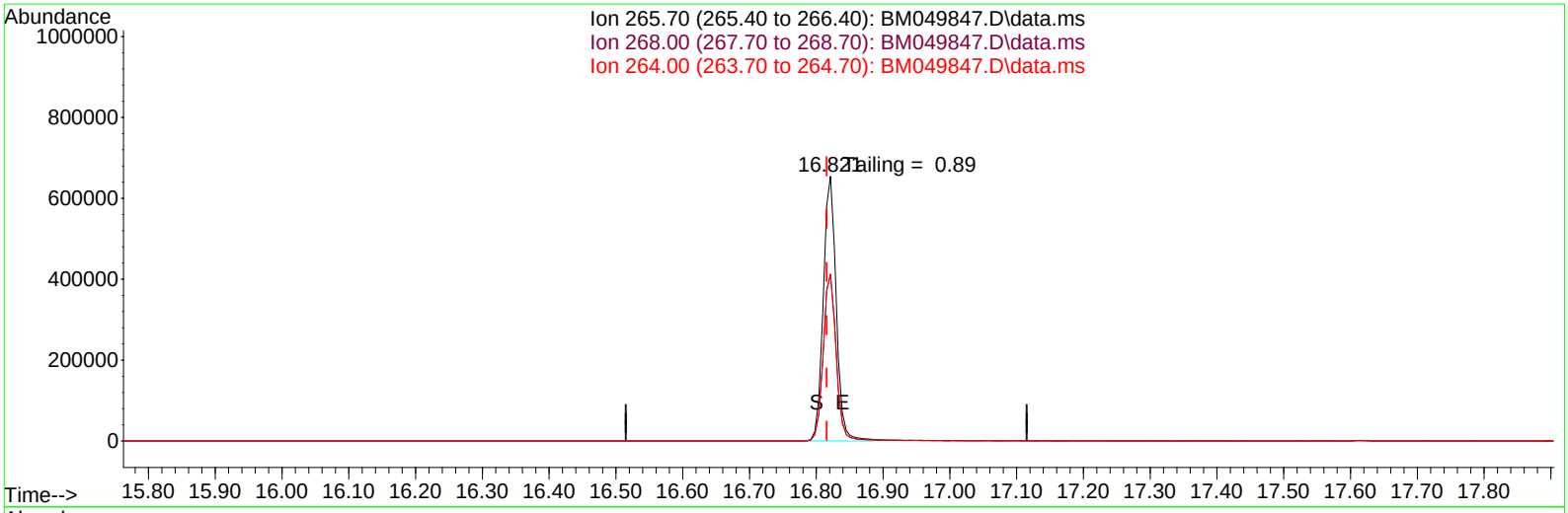
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51	198	10	80	22.1	126723	PASS
68	69	0.00	2	1.2	1886	PASS
69	198	0.00	100	26.5	151989	PASS
70	69	0.00	2	0.3	382	PASS
127	198	10	80	34.9	200277	PASS
197	198	0.00	2	0.4	2141	PASS
198	198	100	100	100.0	573312	PASS
199	198	5	9	7.0	40037	PASS
275	198	10	60	26.5	151747	PASS
365	198	1	100	3.7	21032	PASS
441	198	0.01	100	12.4	71269	PASS
442	442	50	100	100.0	465813	PASS
443	442	15	24	18.8	87675	PASS

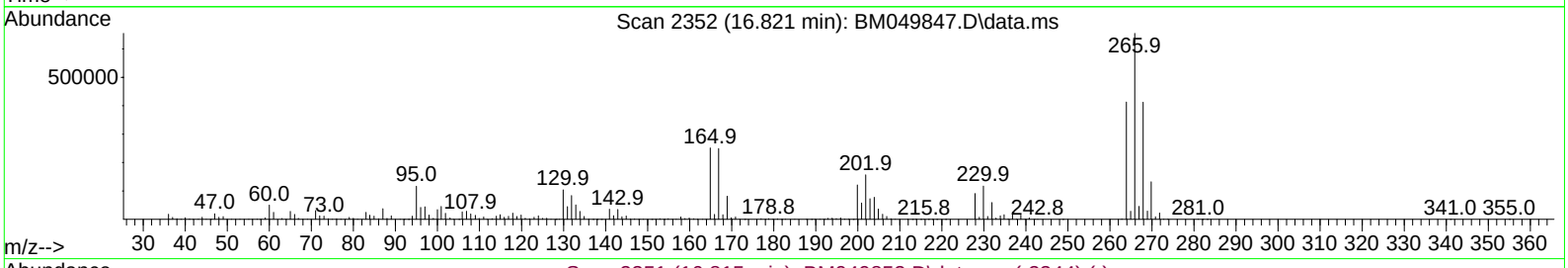
Sample Results: **BM049847.D**

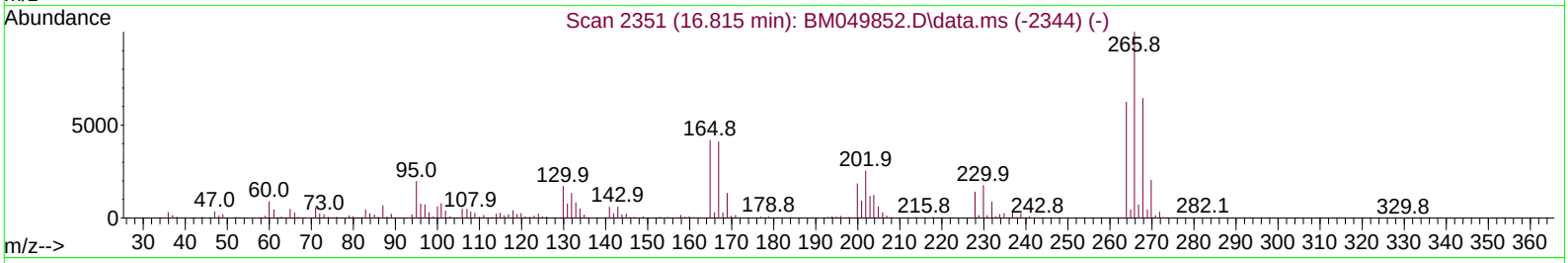
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049847.D
Acq On : 08 Apr 2025 12:55
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Apr 09 04:09:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration







TIC: BM049847.D\data.ms

(70) Pentachlorophenol (C)

16.821min (+ 0.006) 230006.58 ng m

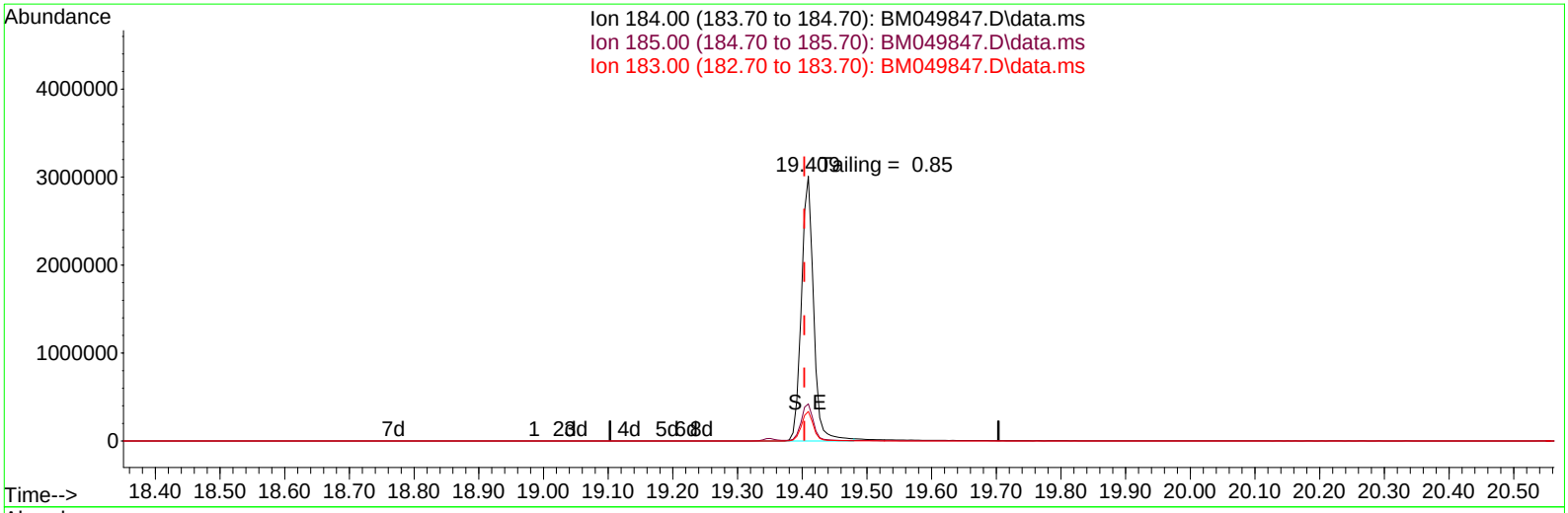
response 888392

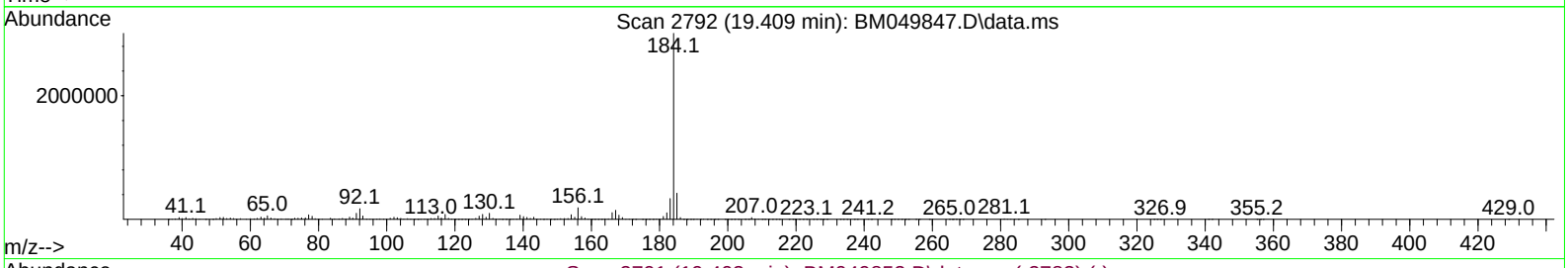
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.30	62.99
264.00	62.30	63.04
0.00	0.00	0.00

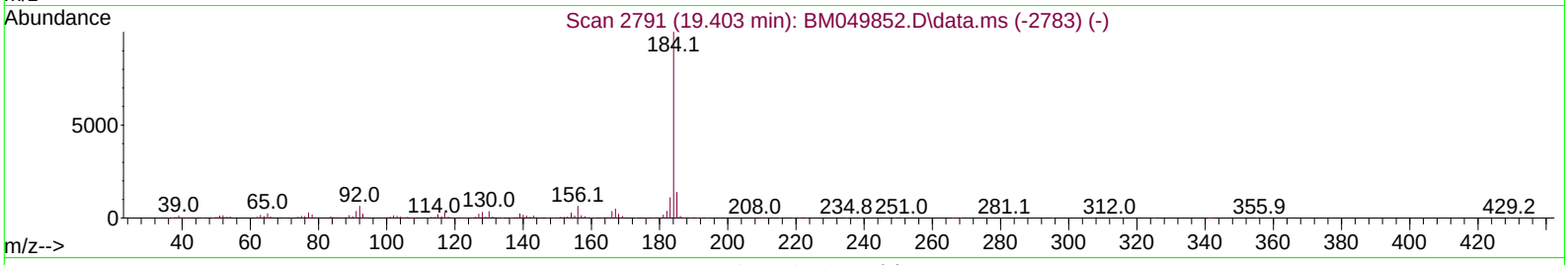
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049847.D
Acq On : 08 Apr 2025 12:55
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Apr 09 04:09:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration







TIC: BM049847.D\data.ms

(77) Benzidine

19.409min (+ 0.006) 842986.98 ng m

response 4014847

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.30	14.02
183.00	11.00	11.14
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
4/8/2025	BNA_M	BM049847.D
Compound Name	**Response**	**Retention Time**
DDT	1953764	20.645
DDD	24016	20.262
DDE	1854	19.704
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
25870	1979634	1.31

Instrument :
BNA_M
ClientSampleId :
DFTPP

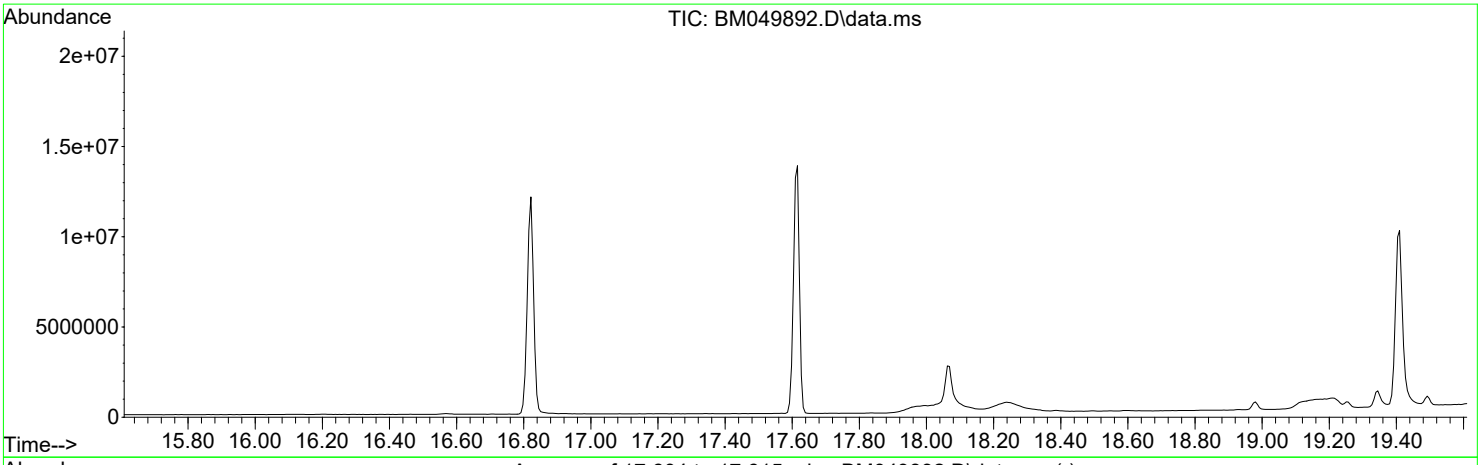
Sample Results: **BM049892.D**

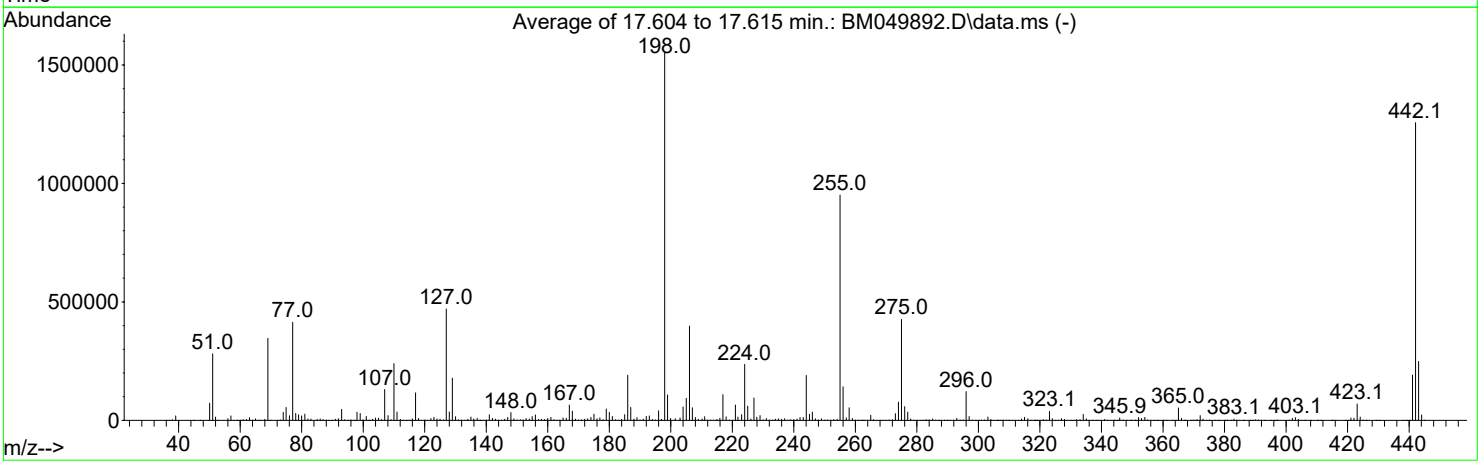
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041125\
Data File : BM049892.D
Acq On : 11 Apr 2025 08:58
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Integration File: rteint.p

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





AutoFind: Scans 2485, 2486, 2487; Background Corrected with Scan 2476

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	18.1	280907	PASS
68	69	0.00	2	1.4	4829	PASS
69	198	0.00	100	22.3	346715	PASS
70	69	0.00	2	0.4	1340	PASS
127	198	10	80	30.3	470187	PASS
197	198	0.00	2	0.3	4040	PASS
198	198	100	100	100.0	1552401	PASS
199	198	5	9	6.9	107322	PASS
275	198	10	60	27.4	426133	PASS
365	198	1	100	3.4	52747	PASS
441	198	0.01	100	12.3	190805	PASS
442	442	50	100	100.0	1256491	PASS
443	442	15	24	19.8	248232	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
4/11/2025	BNA_M	BM049892.D
Compound Name	**Response**	**Retention Time**
DDT	4858322	20.645
DDD	79976	20.256
DDE	3552	19.698
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
83528	4941850	1.69

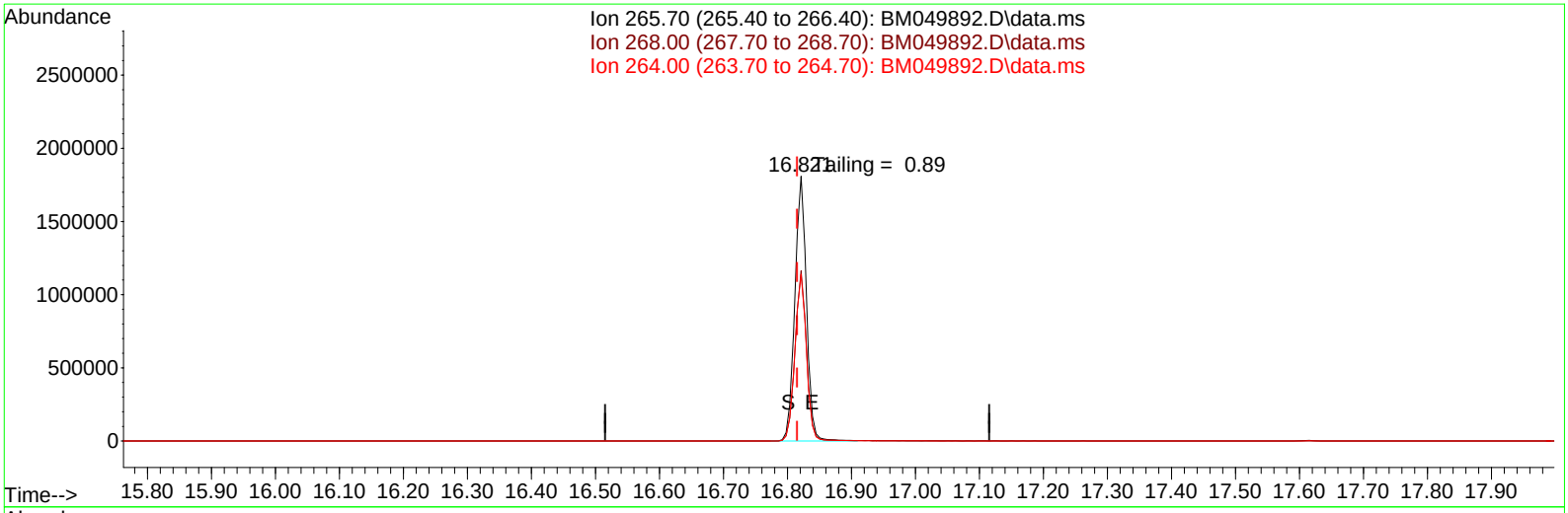
Instrument :
BNA_M
ClientSampleId :
DFTPP

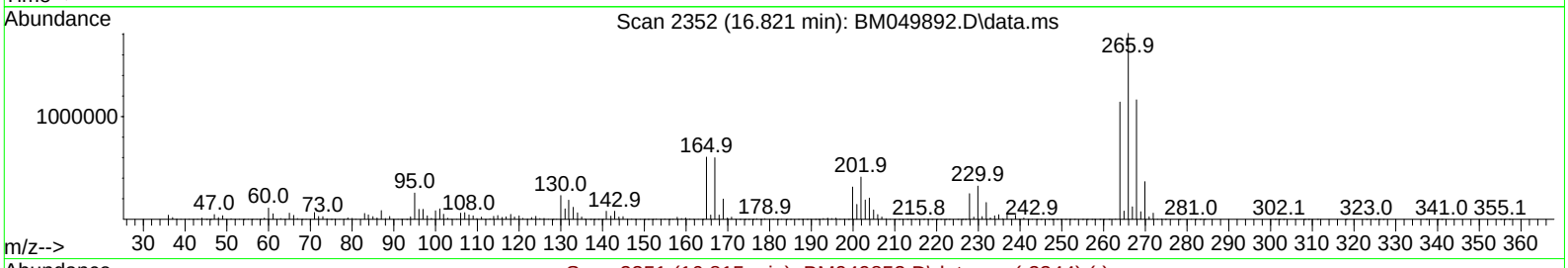
Sample Results: **BM049892.D**

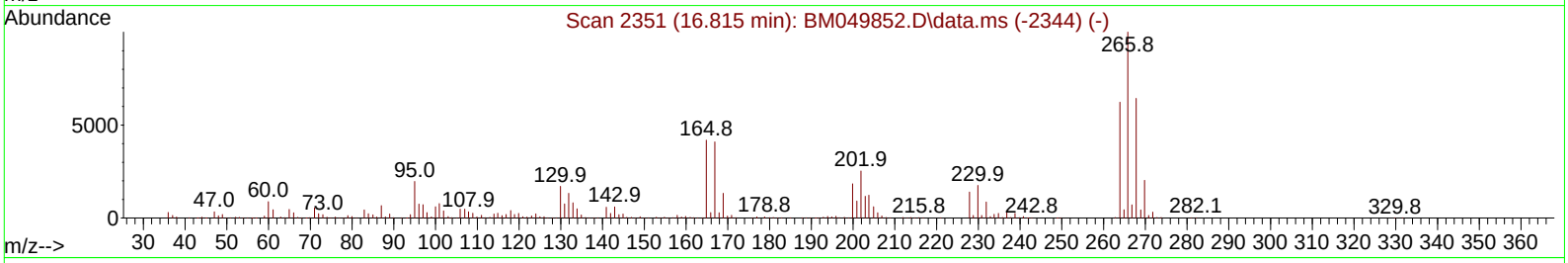
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041125\
Data File : BM049892.D
Acq On : 11 Apr 2025 08:58
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Apr 11 11:40:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration







TIC: BM049892.D\data.ms

(70) Pentachlorophenol (C)

16.821min (+ 0.006) 669887.62 ng

response 2252497

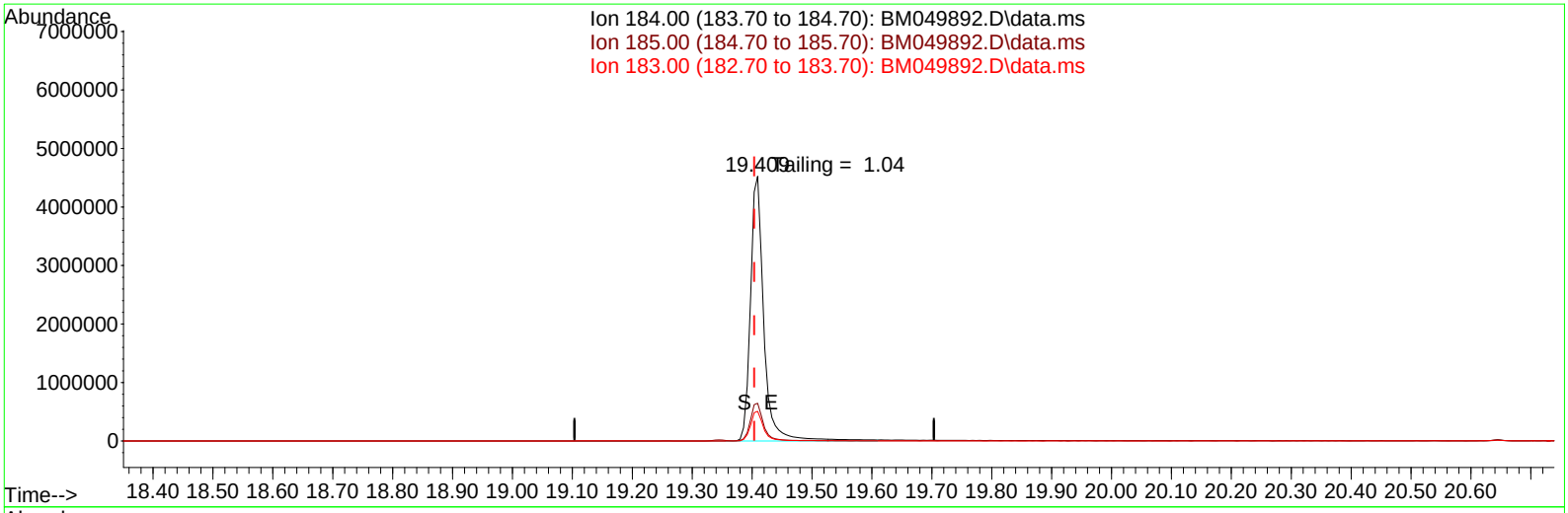
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.30	64.26
264.00	62.30	63.04
0.00	0.00	0.00

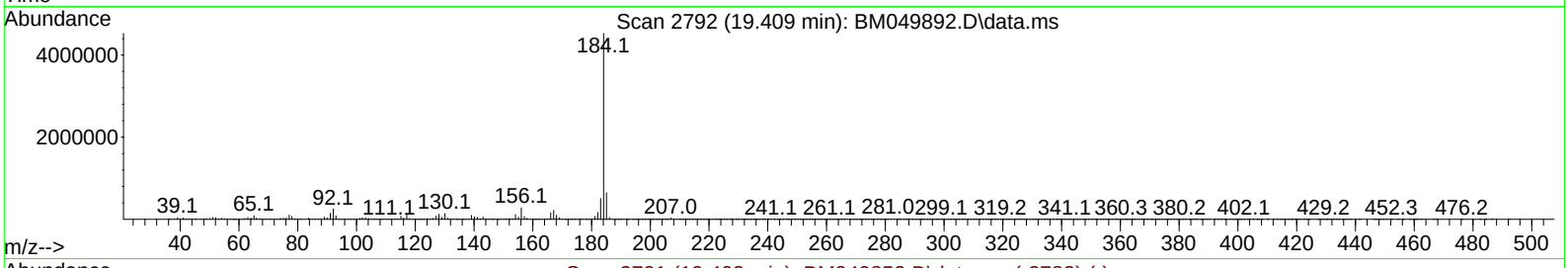
Sample Results: **BM049892.D**

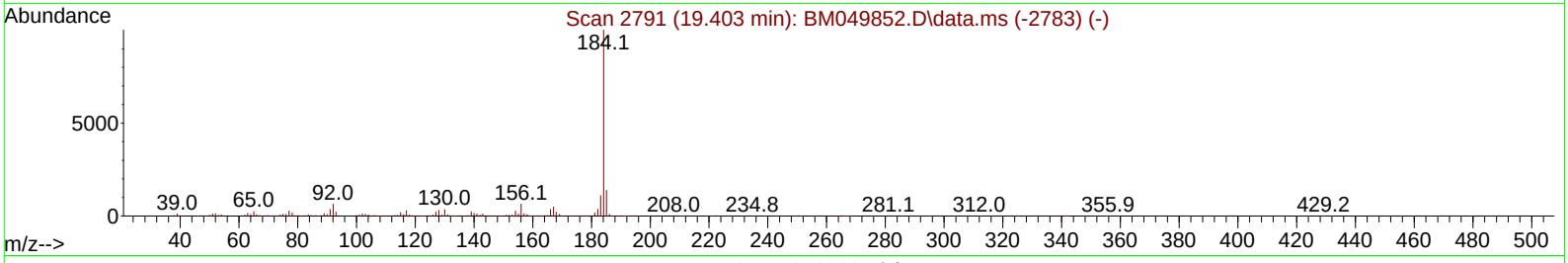
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041125\
Data File : BM049892.D
Acq On : 11 Apr 2025 08:58
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Apr 11 11:40:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration







TIC: BM049892.D\data.ms

(77) Benzidine

19.409min (+ 0.006) 1373999.43 ng m

response 7145396

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.30	14.29
183.00	11.00	11.21
0.00	0.00	0.00

Raw Data: **BM049894.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:	PB167544BL			SDG No.:	Q1761		
Lab Sample ID:	PB167544BL			Matrix:	SOIL		
Analytical Method:	SW8270			% Solid:	100		
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000		uL
Soil Aliquot Vol:			uL	Test:	SVOC-PAH		
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
BM049894.D	1	04/10/25 08:55	04/11/25 10:17	PB167544

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	22.7	U	22.7	170	ug/Kg
208-96-8	Acenaphthylene	28.9	U	28.9	170	ug/Kg
83-32-9	Acenaphthene	21.3	U	21.3	170	ug/Kg
86-73-7	Fluorene	25.3	U	25.3	170	ug/Kg
85-01-8	Phenanthrene	20.9	U	20.9	170	ug/Kg
120-12-7	Anthracene	33.3	U	33.3	170	ug/Kg
206-44-0	Fluoranthene	30.0	U	30.0	170	ug/Kg
129-00-0	Pyrene	36.0	U	36.0	170	ug/Kg
56-55-3	Benzo(a)anthracene	23.0	U	23.0	170	ug/Kg
218-01-9	Chrysene	19.9	U	19.9	170	ug/Kg
205-99-2	Benzo(b)fluoranthene	19.0	U	19.0	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	22.4	U	22.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	29.5	U	29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	29.1	U	29.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	27.4	U	27.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	25.7	U	25.7	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	135		30 (18) - 130 (112)	90%	SPK: 150
13127-88-3	Phenol-d6	132		30 (15) - 130 (107)	88%	SPK: 150
4165-60-0	Nitrobenzene-d5	93.1		30 (18) - 130 (107)	93%	SPK: 100
321-60-8	2-Fluorobiphenyl	94.6		30 (20) - 130 (109)	95%	SPK: 100
118-79-6	2,4,6-Tribromophenol	154		30 (10) - 130 (116)	103%	SPK: 150
1718-51-0	Terphenyl-d14	121		30 (10) - 130 (105)	121%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	487000	7.775			
1146-65-2	Naphthalene-d8	1690000	10.569			
15067-26-2	Acenaphthene-d10	1080000	14.416			
1517-22-2	Phenanthrene-d10	2080000	17.163			
1719-03-5	Chrysene-d12	1600000	21.398			

Raw Data: **BM049894.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:	PB167544BL			SDG No.:	Q1761		
Lab Sample ID:	PB167544BL			Matrix:	SOIL		
Analytical Method:	SW8270			% Solid:	100		
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000		uL
Soil Aliquot Vol:			uL	Test:	SVOC-PAH		
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
BM049894.D	1	04/10/25 08:55	04/11/25 10:17	PB167544

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1520-96-3	Perylene-d12	1560000	24.397			

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\BM041125\
Data File : BM049894.D
Acq On : 11 Apr 2025 10:17
Operator : RC/JU
Sample : PB167544BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167544BL

Quant Time: Apr 11 11:40:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

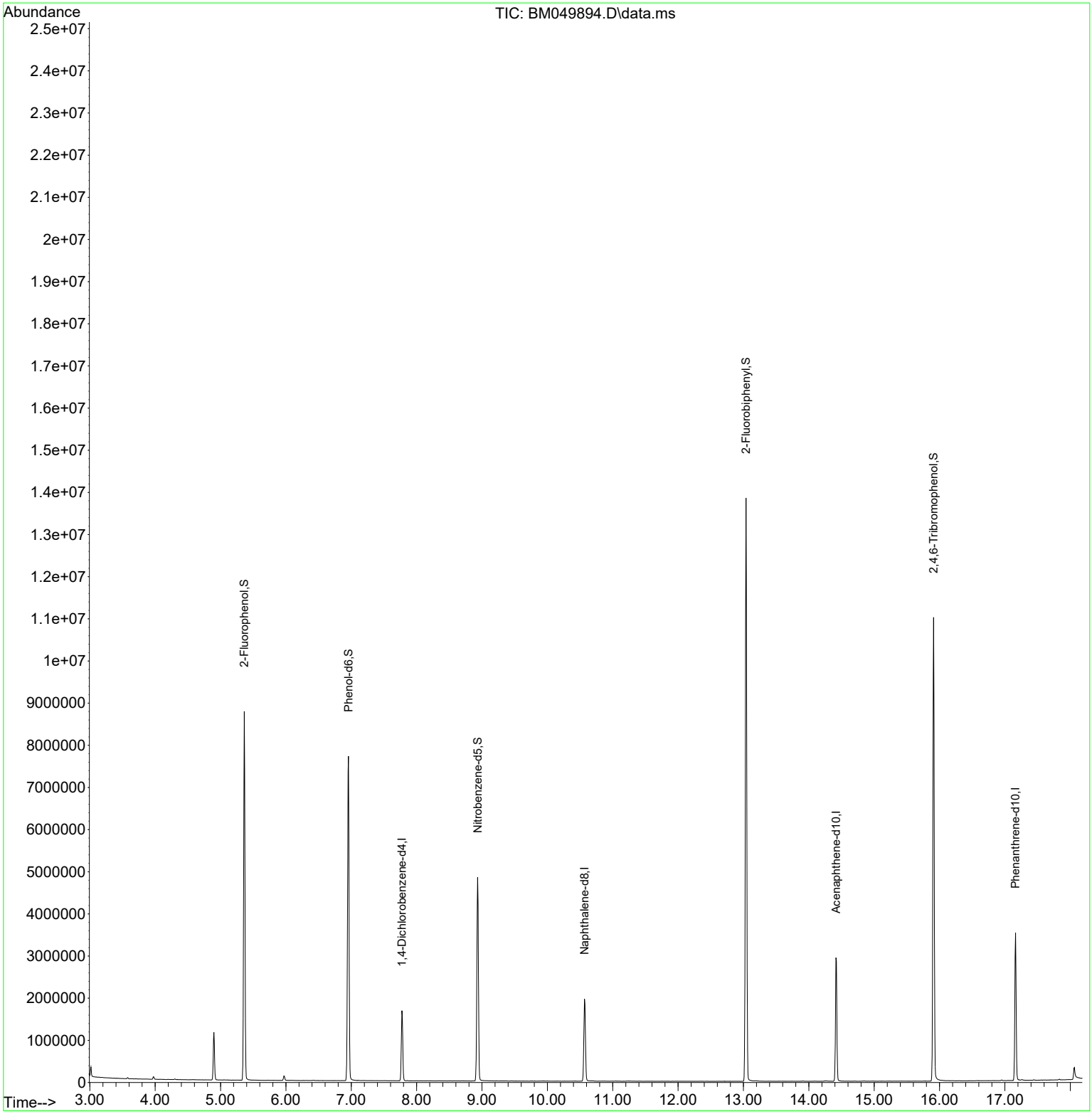
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	486554	20.000	ng	0.00
21) Naphthalene-d8	10.569	136	1686208	20.000	ng	0.00
39) Acenaphthene-d10	14.416	164	1083671	20.000	ng	0.00
64) Phenanthrene-d10	17.163	188	2084347	20.000	ng	0.00
76) Chrysene-d12	21.398	240	1600250	20.000	ng	0.00
86) Perylene-d12	24.397	264	1555142	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	3872807	135.161	ng	0.00
7) Phenol-d6	6.957	99	4713219	132.208	ng	0.00
23) Nitrobenzene-d5	8.934	82	2820535	93.145	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	2425155	153.857	ng	0.00
45) 2-Fluorobiphenyl	13.039	172	7559795	94.597	ng	0.00
79) Terphenyl-d14	19.786	244	10363780	121.370	ng	0.00
Target Compounds						Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041125\
Data File : BM049894.D
Acq On : 11 Apr 2025 10:17
Operator : RC/JU
Sample : PB167544BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167544BL

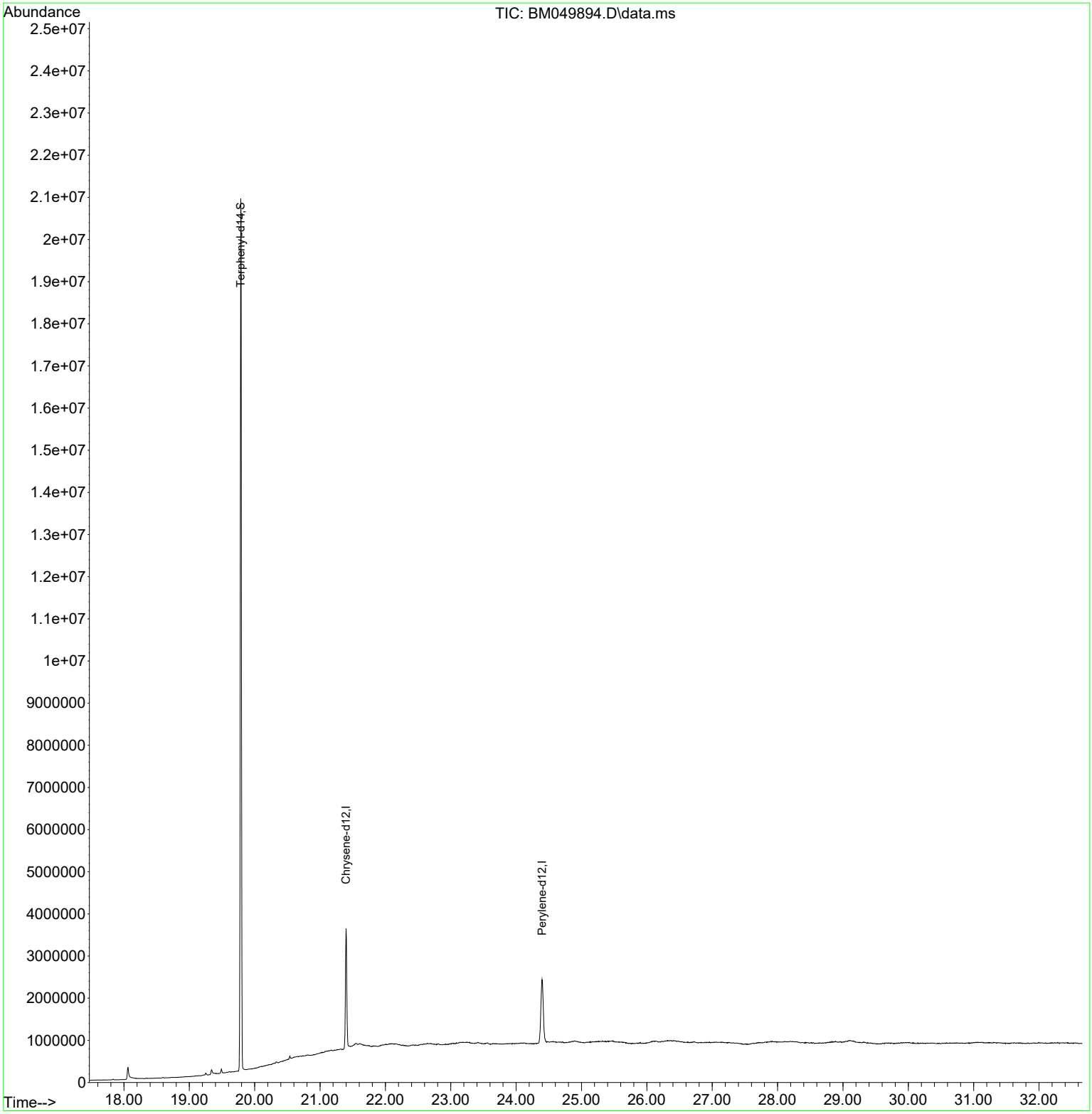
Quant Time: Apr 11 11:40:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

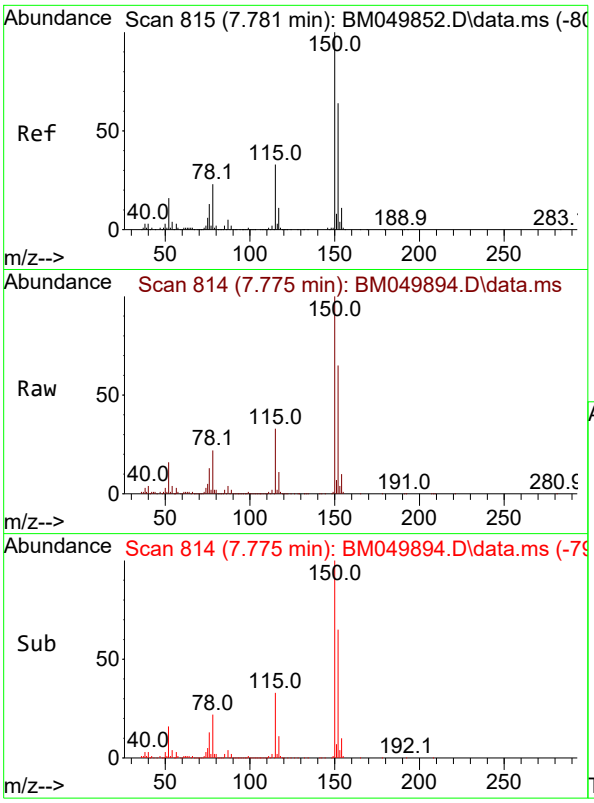


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041125\
Data File : BM049894.D
Acq On : 11 Apr 2025 10:17
Operator : RC/JU
Sample : PB167544BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167544BL

Quant Time: Apr 11 11:40:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration



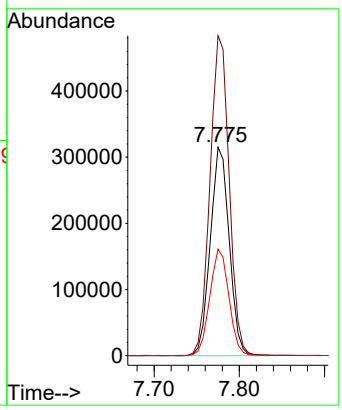


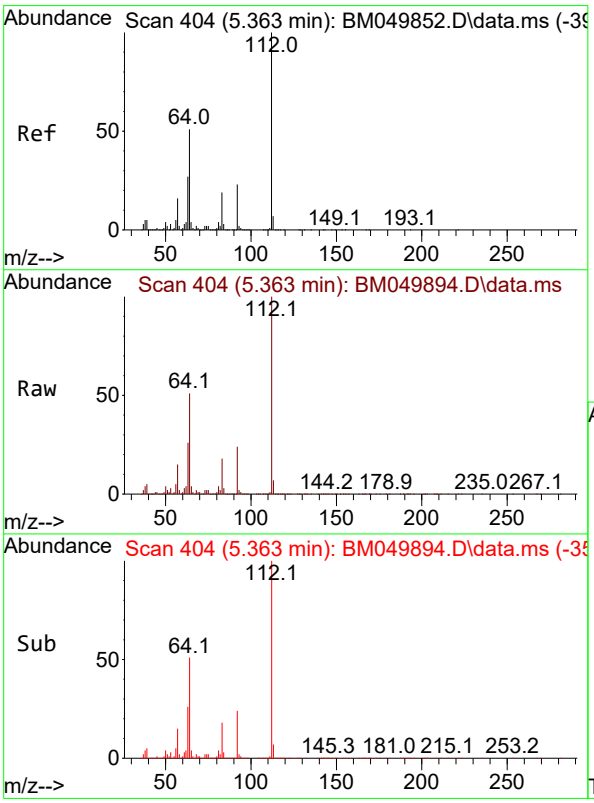
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.775 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM049894.D
Acq: 11 Apr 2025 10:17

Instrument :
BNA_M
ClientSampleId :
PB167544BL

Tgt Ion:152 Resp: 486554

Ion	Ratio	Lower	Upper
152	100		
150	153.5	124.3	186.5
115	51.2	41.1	61.7

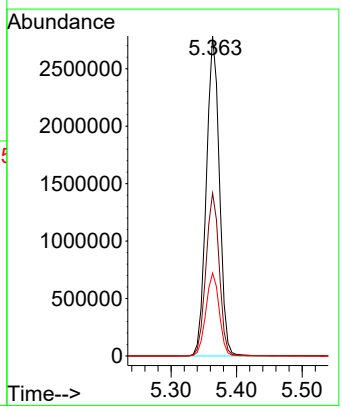


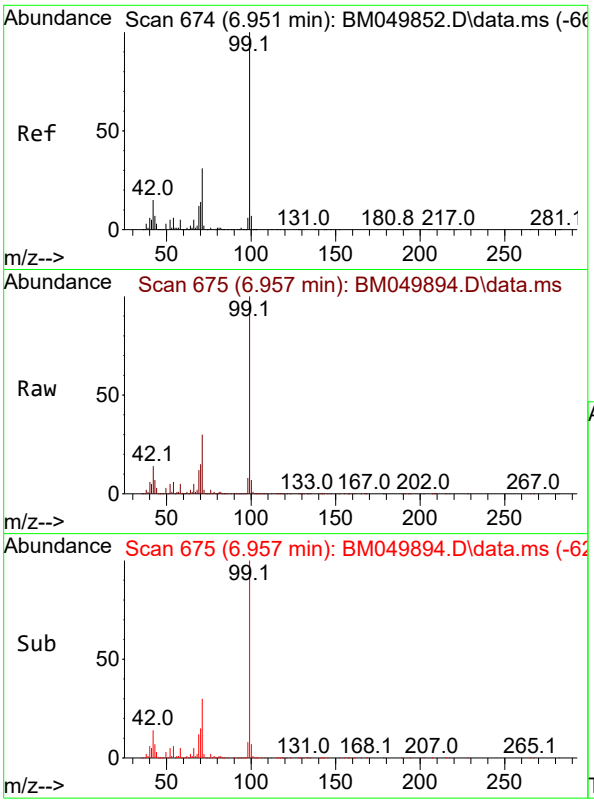


#5
2-Fluorophenol
Concen: 135.161 ng
RT: 5.363 min Scan# 404
Delta R.T. 0.000 min
Lab File: BM049894.D
Acq: 11 Apr 2025 10:17

Tgt Ion:112 Resp: 3872807

Ion	Ratio	Lower	Upper
112	100		
64	50.9	41.0	61.6
63	25.9	21.5	32.3



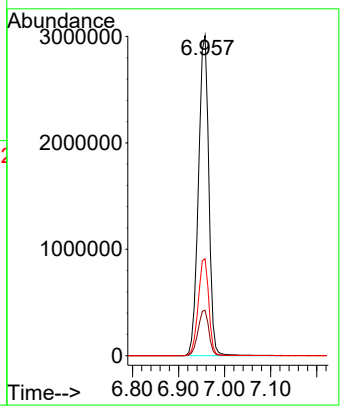


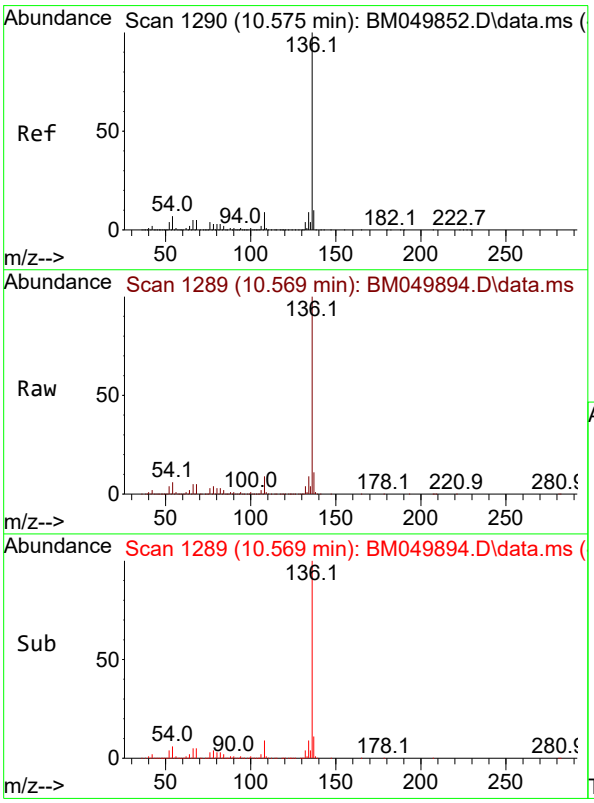
#7
Phenol-d6
Concen: 132.208 ng
RT: 6.957 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM049894.D
Acq: 11 Apr 2025 10:17

Instrument :
BNA_M
ClientSampleId :
PB167544BL

Tgt Ion: 99 Resp: 4713219

Ion	Ratio	Lower	Upper
99	100		
42	14.2	12.1	18.1
71	30.3	24.9	37.3

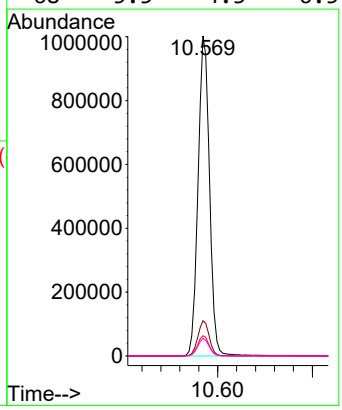


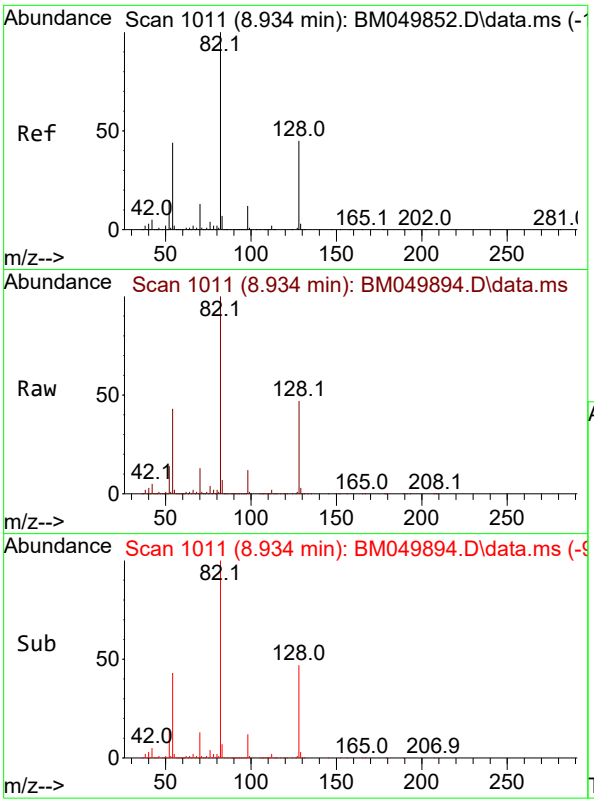


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.569 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BM049894.D
Acq: 11 Apr 2025 10:17

Tgt Ion:136 Resp: 1686208

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	6.3	5.3	7.9
68	5.5	4.3	6.5



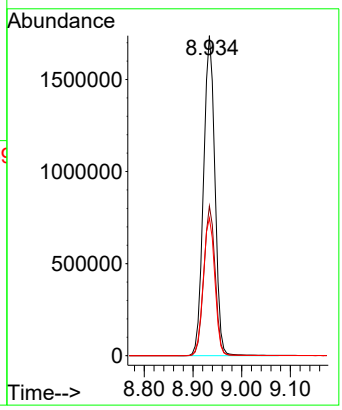


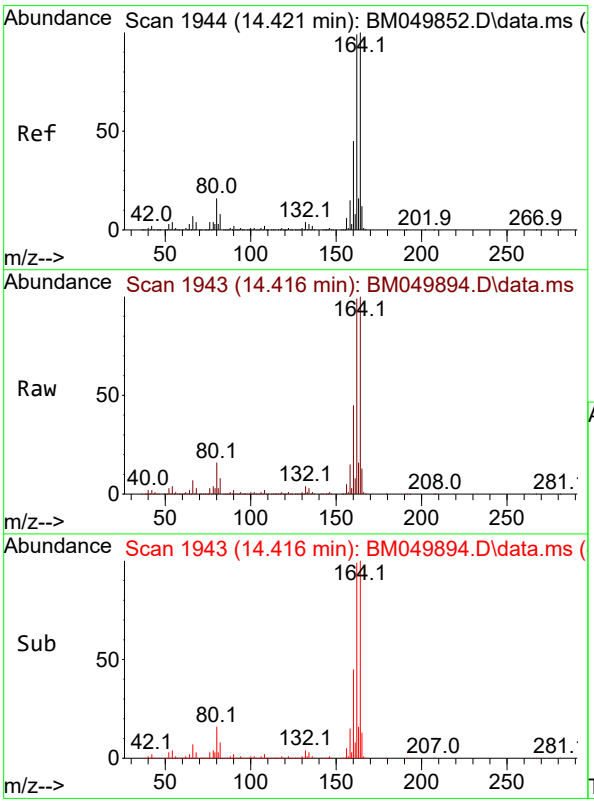
#23
Nitrobenzene-d5
Concen: 93.145 ng
RT: 8.934 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM049894.D
Acq: 11 Apr 2025 10:17

Instrument :
BNA_M
ClientSampleId :
PB167544BL

Tgt Ion: 82 Resp: 2820535

Ion	Ratio	Lower	Upper
82	100		
128	46.8	36.2	54.2
54	43.0	35.0	52.6

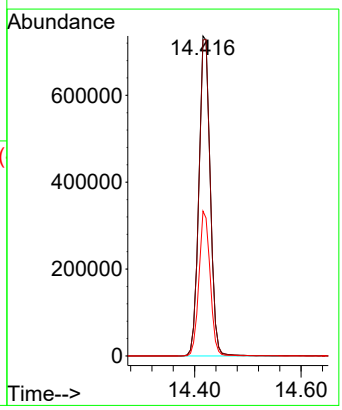


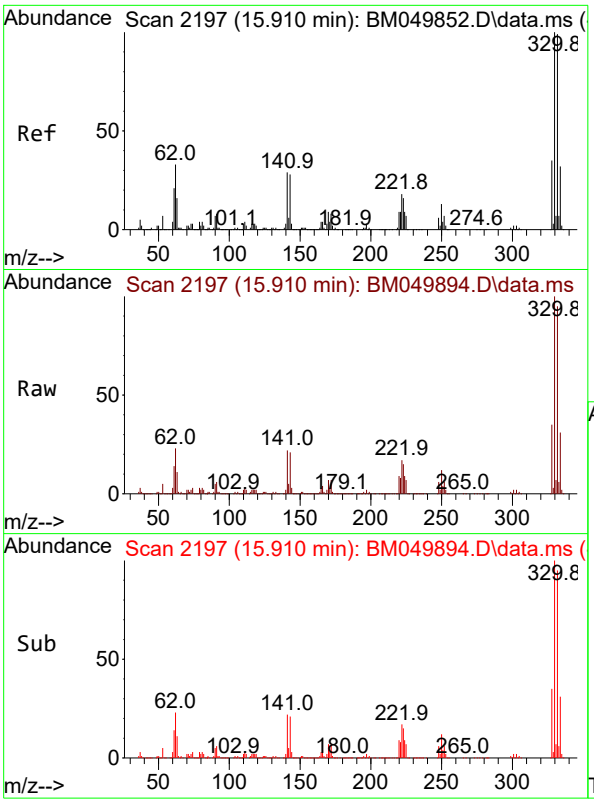


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.416 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BM049894.D
Acq: 11 Apr 2025 10:17

Tgt Ion:164 Resp: 1083671

Ion	Ratio	Lower	Upper
164	100		
162	98.7	79.4	119.0
160	45.3	36.2	54.2



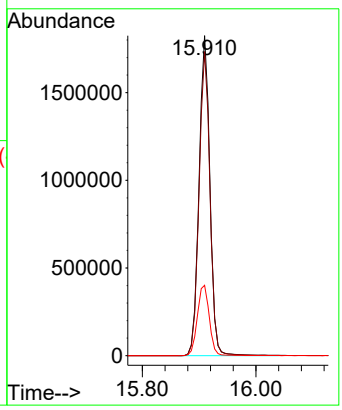


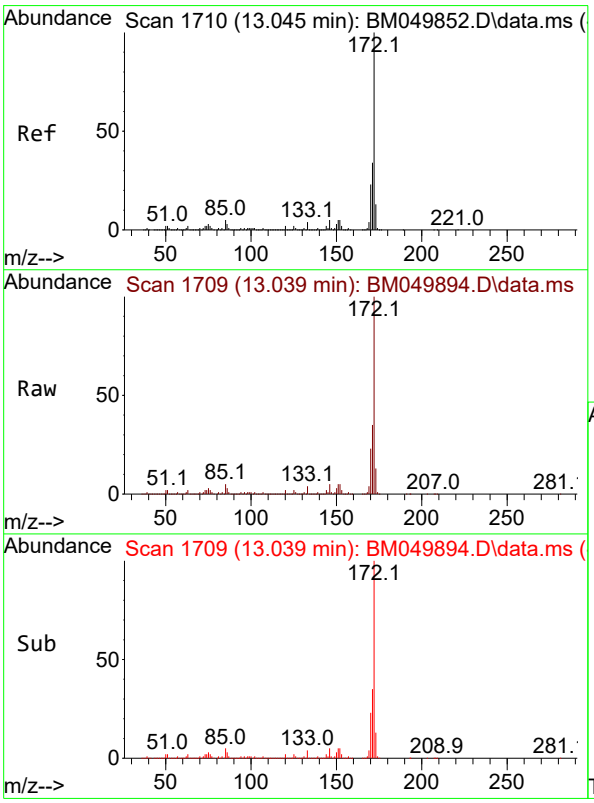
#42
2,4,6-Tribromophenol
Concen: 153.857 ng
RT: 15.910 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049894.D
Acq: 11 Apr 2025 10:17

Instrument :
BNA_M
ClientSampleId :
PB167544BL

Tgt Ion:330 Resp: 2425155

Ion	Ratio	Lower	Upper
330	100		
332	95.5	78.0	117.0
141	24.3	23.5	35.3

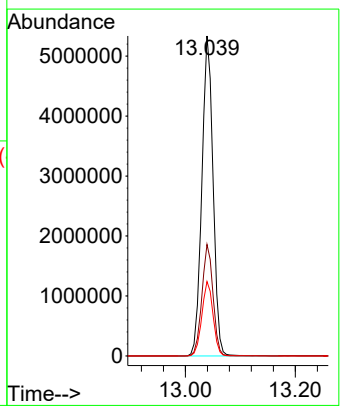


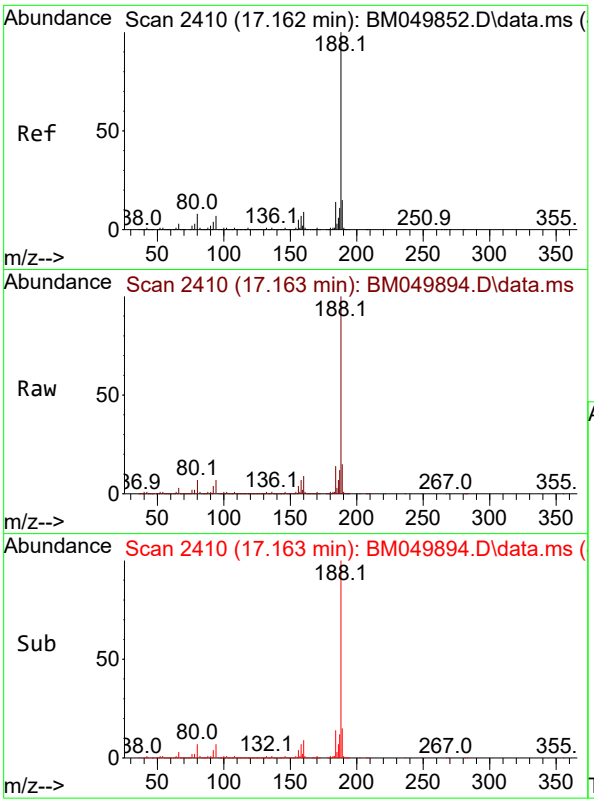


#45
2-Fluorobiphenyl
Concen: 94.597 ng
RT: 13.039 min Scan# 1709
Delta R.T. -0.006 min
Lab File: BM049894.D
Acq: 11 Apr 2025 10:17

Tgt Ion:172 Resp: 7559795

Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.4	41.2
170	23.2	18.6	28.0



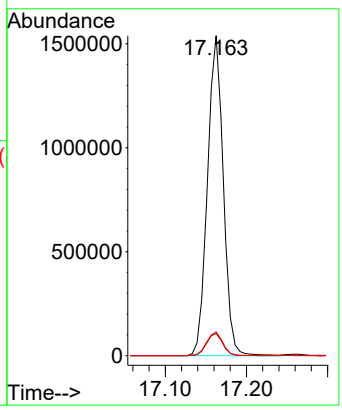


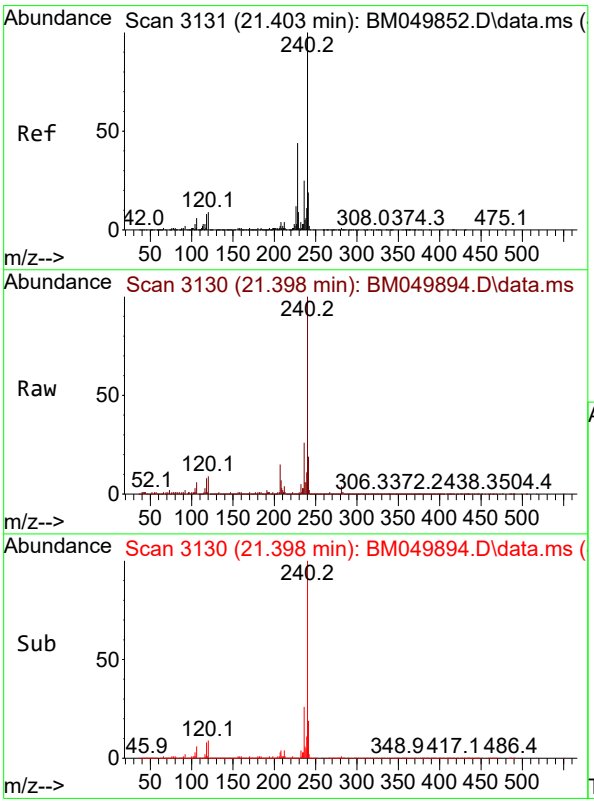
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.163 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM049894.D
Acq: 11 Apr 2025 10:17

Instrument :
BNA_M
ClientSampleId :
PB167544BL

Tgt Ion:188 Resp: 2084347

Ion	Ratio	Lower	Upper
188	100		
94	6.9	5.8	8.6
80	7.5	6.4	9.6

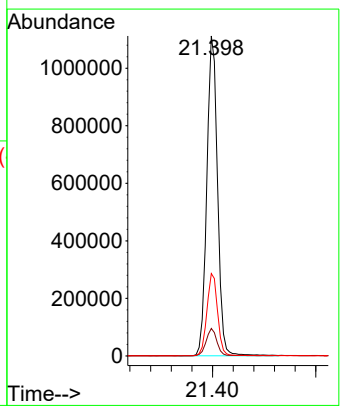


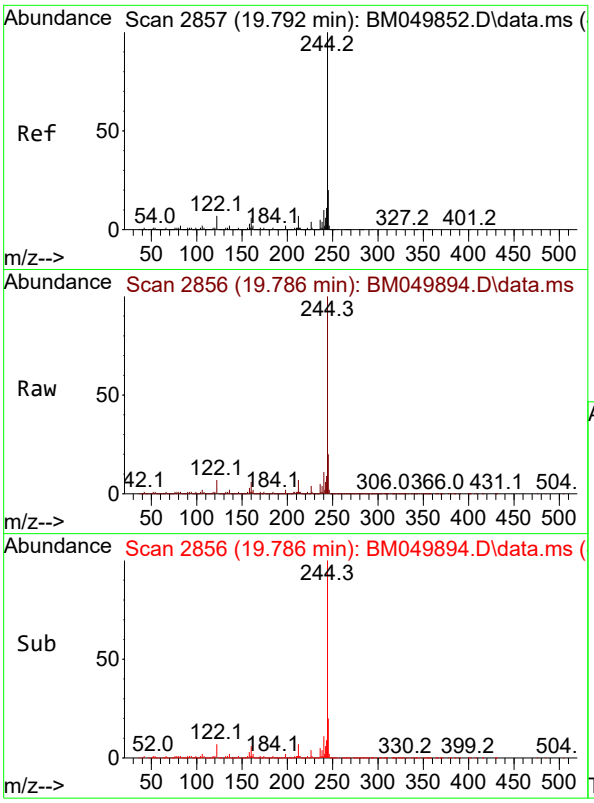


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.398 min Scan# 3130
Delta R.T. -0.006 min
Lab File: BM049894.D
Acq: 11 Apr 2025 10:17

Tgt Ion:240 Resp: 1600250

Ion	Ratio	Lower	Upper
240	100		
120	8.6	6.9	10.3
236	25.7	20.4	30.6



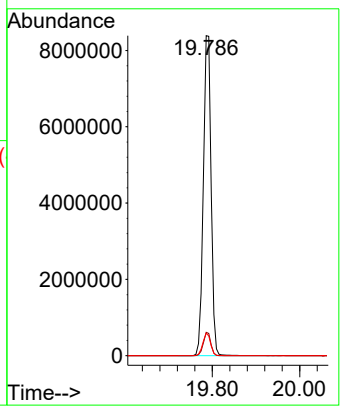


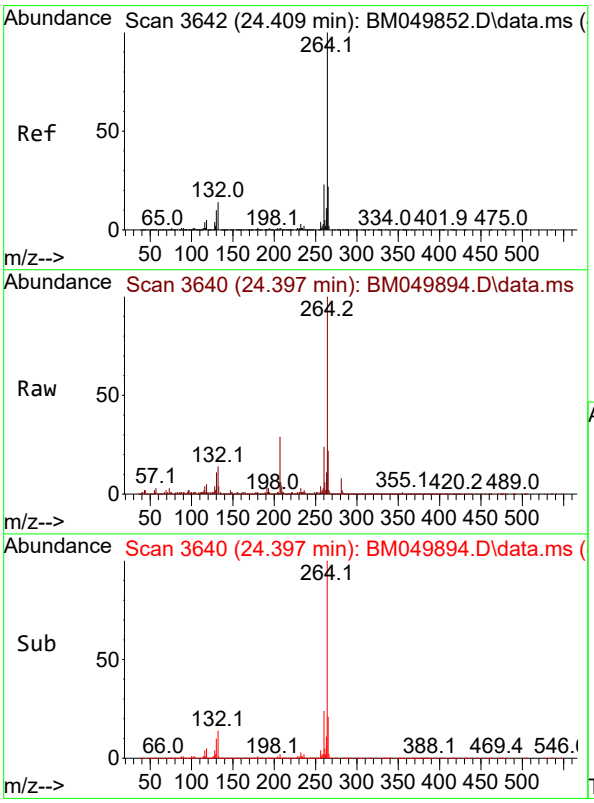
#79
Terphenyl-d14
Concen: 121.370 ng
RT: 19.786 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM049894.D
Acq: 11 Apr 2025 10:17

Instrument :
BNA_M
ClientSampleId :
PB167544BL

Tgt Ion:244 Resp:10363780

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.5	8.3
122	7.1	5.4	8.0

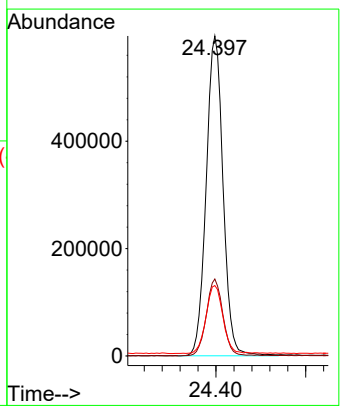




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.397 min Scan# 3640
Delta R.T. -0.012 min
Lab File: BM049894.D
Acq: 11 Apr 2025 10:17

Tgt Ion:264 Resp: 1555142

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.6	28.0
265	22.0	17.8	26.8



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:	PB167544BS			SDG No.:	Q1761		
Lab Sample ID:	PB167544BS			Matrix:	SOIL		
Analytical Method:	SW8270			% Solid:	100		
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	1000		uL
Soil Aliquot Vol:			uL	Test:	SVOC-PAH		
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
BM049895.D	1	04/10/25 08:55	04/11/25 10:56	PB167544

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	1500		22.7	170	ug/Kg
208-96-8	Acenaphthylene	1700		28.9	170	ug/Kg
83-32-9	Acenaphthene	1600		21.3	170	ug/Kg
86-73-7	Fluorene	1600		25.3	170	ug/Kg
85-01-8	Phenanthrene	1700		20.9	170	ug/Kg
120-12-7	Anthracene	1700		33.3	170	ug/Kg
206-44-0	Fluoranthene	1500		30.0	170	ug/Kg
129-00-0	Pyrene	1800		36.0	170	ug/Kg
56-55-3	Benzo(a)anthracene	1700		23.0	170	ug/Kg
218-01-9	Chrysene	1600		19.9	170	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		19.0	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1600		22.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	1800		29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1700		29.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1700		27.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1600		25.7	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	133		30 (18) - 130 (112)	88%	SPK: 150
13127-88-3	Phenol-d6	129		30 (15) - 130 (107)	86%	SPK: 150
4165-60-0	Nitrobenzene-d5	88.9		30 (18) - 130 (107)	89%	SPK: 100
321-60-8	2-Fluorobiphenyl	90.9		30 (20) - 130 (109)	91%	SPK: 100
118-79-6	2,4,6-Tribromophenol	142		30 (10) - 130 (116)	95%	SPK: 150
1718-51-0	Terphenyl-d14	112		30 (10) - 130 (105)	112%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	409000	7.775			
1146-65-2	Naphthalene-d8	1400000	10.569			
15067-26-2	Acenaphthene-d10	878000	14.422			
1517-22-2	Phenanthrene-d10	1630000	17.163			
1719-03-5	Chrysene-d12	1340000	21.398			

Raw Data: **BM049895.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:	PB167544BS			SDG No.:	Q1761		
Lab Sample ID:	PB167544BS			Matrix:	SOIL		
Analytical Method:	SW8270			% Solid:	100		
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	1000		uL
Soil Aliquot Vol:			uL	Test:	SVOC-PAH		
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
BM049895.D	1	04/10/25 08:55	04/11/25 10:56	PB167544

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1520-96-3	Perylene-d12	1360000	24.397			

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\BM041125\
Data File : BM049895.D
Acq On : 11 Apr 2025 10:56
Operator : RC/JU
Sample : PB167544BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167544BS

Quant Time: Apr 11 12:13:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	408732	20.000	ng	0.00
21) Naphthalene-d8	10.569	136	1404608	20.000	ng	0.00
39) Acenaphthene-d10	14.422	164	877536	20.000	ng	0.00
64) Phenanthrene-d10	17.163	188	1626496	20.000	ng	0.00
76) Chrysene-d12	21.398	240	1335581	20.000	ng	0.00
86) Perylene-d12	24.397	264	1358357	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	3191140	132.576	ng	0.00
7) Phenol-d6	6.957	99	3859532	128.875	ng	0.00
23) Nitrobenzene-d5	8.934	82	2242037	88.885	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	1810286	141.827	ng	0.00
45) 2-Fluorobiphenyl	13.039	172	5885004	90.938	ng	0.00
79) Terphenyl-d14	19.786	244	7980954	111.987	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.263	88	377083	38.039	ng	99
3) Pyridine	3.663	79	1059602	40.683	ng	97
4) n-Nitrosodimethylamine	3.569	42	443509	44.746	ng	96
6) Aniline	7.104	93	819960	31.953	ng	99
8) 2-Chlorophenol	7.346	128	1212993	49.174	ng	100
9) Benzaldehyde	6.916	77	619959	40.340	ng	99
10) Phenol	6.981	94	1416013	48.452	ng	99
11) bis(2-Chloroethyl)ether	7.199	93	1100831	48.034	ng	99
12) 1,3-Dichlorobenzene	7.669	146	1394493	47.816	ng	99
13) 1,4-Dichlorobenzene	7.810	146	1404604	47.866	ng	100
14) 1,2-Dichlorobenzene	8.128	146	1342735	48.580	ng	99
15) Benzyl Alcohol	8.016	79	938253	49.753	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.304	45	1287543	50.405	ng	99
17) 2-Methylphenol	8.228	107	922240	51.208	ng	99
18) Hexachloroethane	8.857	117	481403	47.153	ng	95
19) n-Nitroso-di-n-propyla...	8.587	70	800126	48.239	ng	98
20) 3+4-Methylphenols	8.551	107	1229159	50.061	ng	99
22) Acetophenone	8.598	105	1586775	46.483	ng	99
24) Nitrobenzene	8.975	77	1142581	47.042	ng	99
25) Isophorone	9.504	82	2140268	50.651	ng	99
26) 2-Nitrophenol	9.687	139	631526	49.057	ng	97
27) 2,4-Dimethylphenol	9.751	122	1045085	71.635	ng	99
28) bis(2-Chloroethoxy)met...	9.981	93	1369229	48.401	ng	99
29) 2,4-Dichlorophenol	10.222	162	1189520	49.051	ng	99
30) 1,2,4-Trichlorobenzene	10.439	180	1351494	48.174	ng	99
31) Naphthalene	10.622	128	3305519	45.799	ng	99
32) Benzoic acid	9.904	122	754581	42.843	ng	97
33) 4-Chloroaniline	10.728	127	224960	8.827	ng	99
34) Hexachlorobutadiene	10.910	225	863288	49.747	ng	98
35) Caprolactam	11.516	113	302246	43.455	ng	99
36) 4-Chloro-3-methylphenol	11.869	107	1007565	47.432	ng	98
37) 2-Methylnaphthalene	12.239	142	2167106	42.617	ng	99
38) 1-Methylnaphthalene	12.457	142	2274096	45.903	ng	100
40) 1,2,4,5-Tetrachloroben...	12.610	216	1524999	49.674	ng	98
41) Hexachlorocyclopentadiene	12.592	237	2269561	210.973	ng	98
43) 2,4,6-Trichlorophenol	12.851	196	993843	50.873	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041125\
Data File : BM049895.D
Acq On : 11 Apr 2025 10:56
Operator : RC/JU
Sample : PB167544BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167544BS

Quant Time: Apr 11 12:13:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

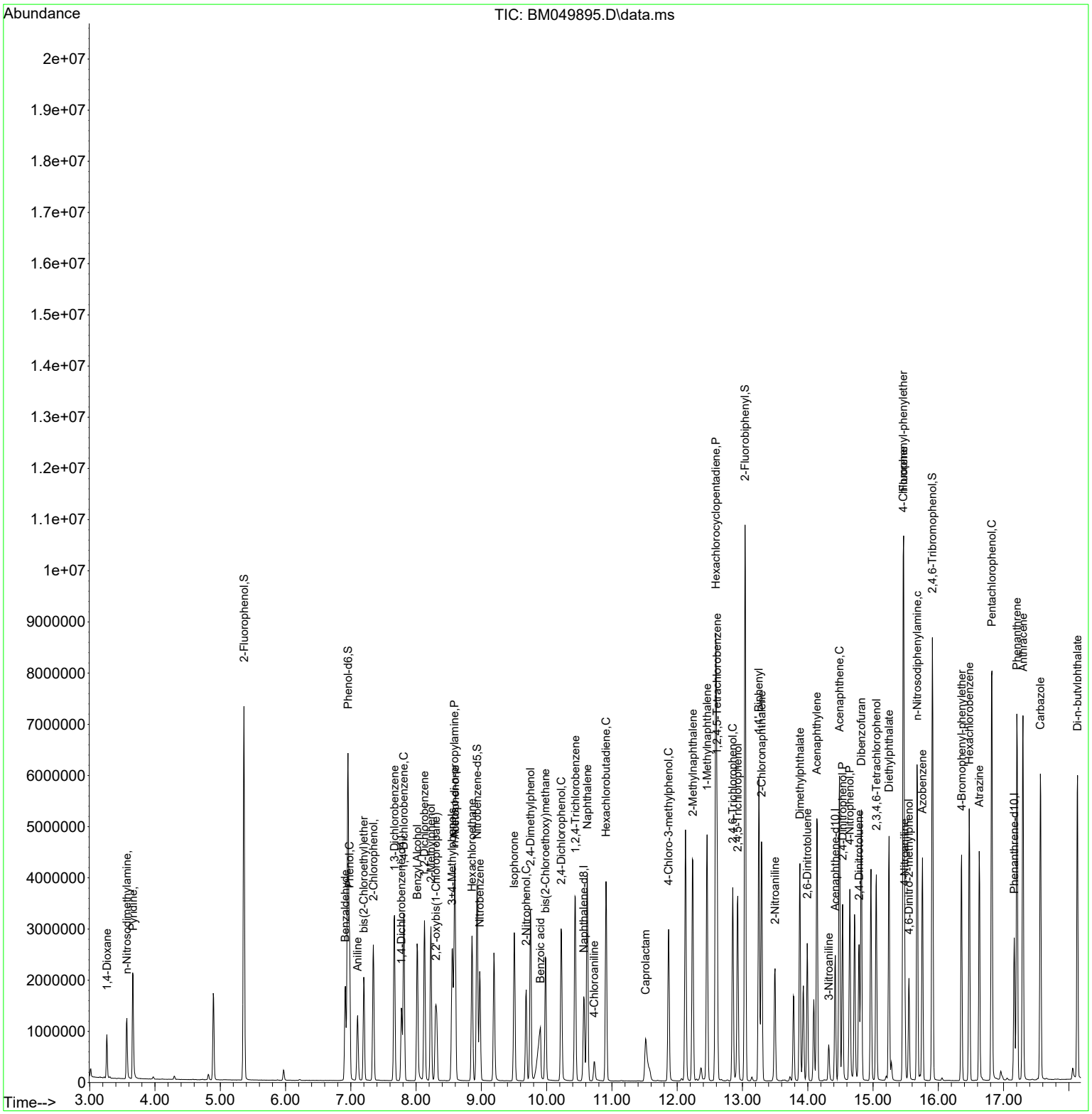
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.928	196	1063039	50.073	ng	98
46) 1,1'-Biphenyl	13.251	154	3111862	47.704	ng	99
47) 2-Chloronaphthalene	13.292	162	2466554	48.107	ng	99
48) 2-Nitroaniline	13.498	65	572474	48.263	ng	100
49) Acenaphthylene	14.139	152	3850334	51.554	ng	100
50) Dimethylphthalate	13.880	163	2921813	47.195	ng	100
51) 2,6-Dinitrotoluene	13.992	165	637404	49.142	ng	97
52) Acenaphthene	14.486	154	2226216	46.861	ng	100
53) 3-Nitroaniline	14.322	138	199597	15.922	ng	96
54) 2,4-Dinitrophenol	14.533	184	840990	88.671	ng	96
55) Dibenzofuran	14.822	168	3624814	45.643	ng	98
56) 4-Nitrophenol	14.645	139	1082119	96.864	ng	98
57) 2,4-Dinitrotoluene	14.786	165	873350	50.471	ng	95
58) Fluorene	15.469	166	2969299	47.037	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.051	232	889457	47.802	ng	96
60) Diethylphthalate	15.245	149	2697088	45.429	ng	98
61) 4-Chlorophenyl-phenyle...	15.463	204	1641405	48.498	ng	100
62) 4-Nitroaniline	15.486	138	554288	42.755	ng	99
63) Azobenzene	15.757	77	2278073	44.818	ng	97
65) 4,6-Dinitro-2-methylph...	15.551	198	517365	50.477	ng	97
66) n-Nitrosodiphenylamine	15.674	169	2517787	51.727	ng	100
67) 4-Bromophenyl-phenylether	16.357	248	992589	52.569	ng	95
68) Hexachlorobenzene	16.474	284	1144611	52.850	ng	99
69) Atrazine	16.627	200	897636	71.125	ng	98
70) Pentachlorophenol	16.821	266	1586046	99.471	ng	99
71) Phenanthrene	17.204	178	4428726	49.666	ng	100
72) Anthracene	17.298	178	4531449	51.566	ng	100
73) Carbazole	17.563	167	3958225	47.823	ng	99
74) Di-n-butylphthalate	18.133	149	4480310	46.996	ng	99
75) Fluoranthene	19.221	202	5022697	45.811	ng	99
77) Benzidine	19.404	184	1869956	105.538	ng	100
78) Pyrene	19.586	202	5089927	55.298	ng	100
80) Butylbenzylphthalate	20.480	149	1823190	52.714	ng	99
81) Benzo(a)anthracene	21.380	228	4536466	51.108	ng	99
82) 3,3'-Dichlorobenzidine	21.303	252	915890	27.323	ng	99
83) Chrysene	21.445	228	4159012	49.285	ng	99
84) Bis(2-ethylhexyl)phtha...	21.309	149	2524889	50.106	ng	98
85) Di-n-octyl phthalate	22.439	149	4210062	47.757	ng	99
87) Indeno(1,2,3-cd)pyrene	27.785	276	5197740	51.334	ng	99
88) Benzo(b)fluoranthene	23.456	252	4214364	48.579	ng	99
89) Benzo(k)fluoranthene	23.515	252	4116495	48.965	ng	100
90) Benzo(a)pyrene	24.262	252	4018826	52.718	ng	99
91) Dibenzo(a,h)anthracene	27.844	278	4247908	50.933	ng	99
92) Benzo(g,h,i)perylene	28.844	276	4195721	49.231	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041125\
Data File : BM049895.D
Acq On : 11 Apr 2025 10:56
Operator : RC/JU
Sample : PB167544BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167544BS

Quant Time: Apr 11 12:13:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

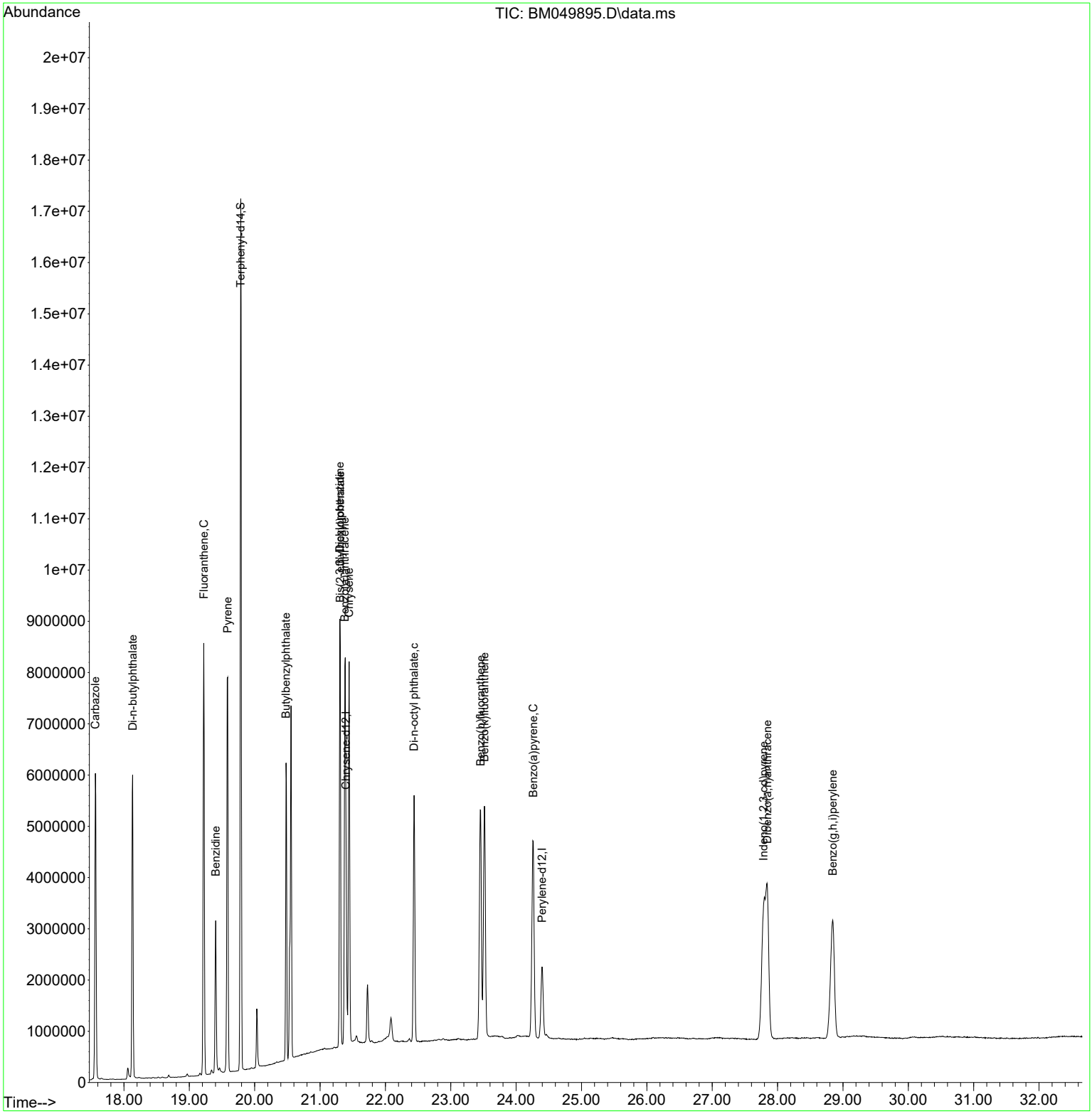


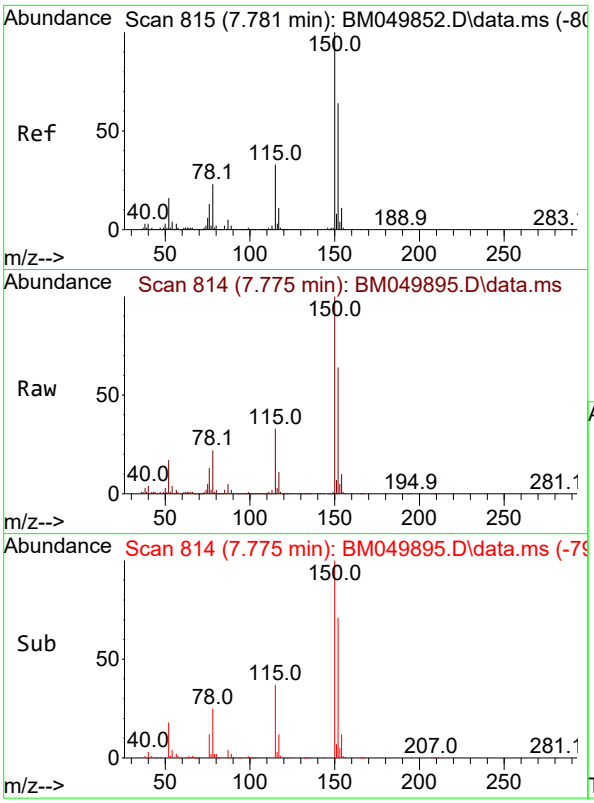
Sample Results: **BM049895.D**

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Data File : BM049895.D
Acq On : 11 Apr 2025 10:56
Operator : RC/JU
Sample : PB167544BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167544BS

Quant Time: Apr 11 12:13:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration



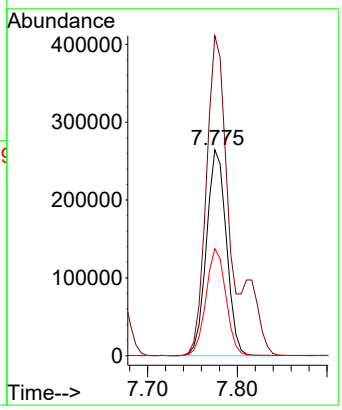


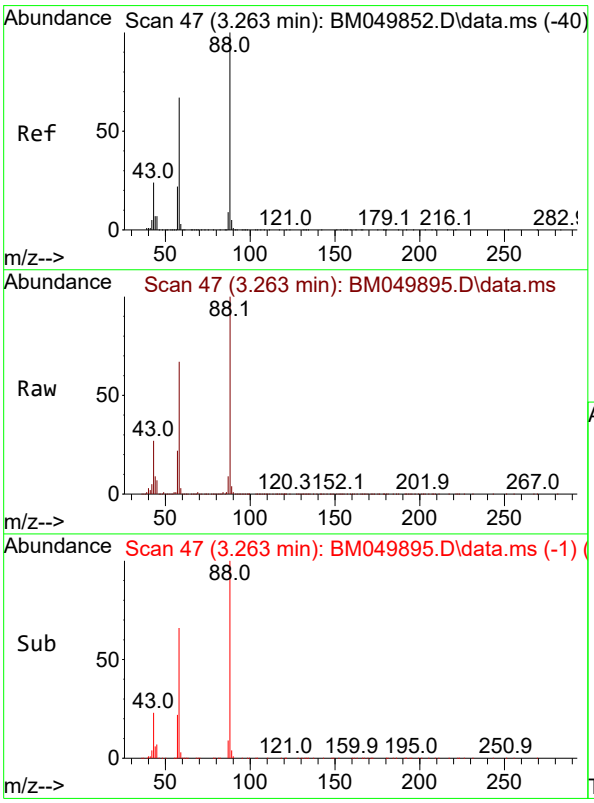
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.775 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Instrument :
BNA_M
ClientSampleId :
PB167544BS

Tgt Ion:152 Resp: 408732

Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.3	186.5
115	52.0	41.1	61.7

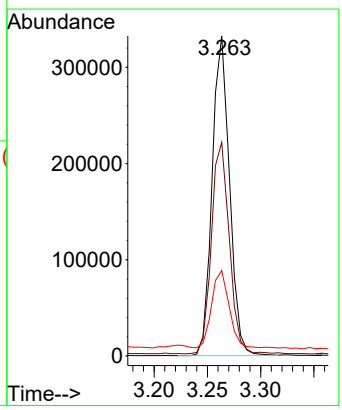


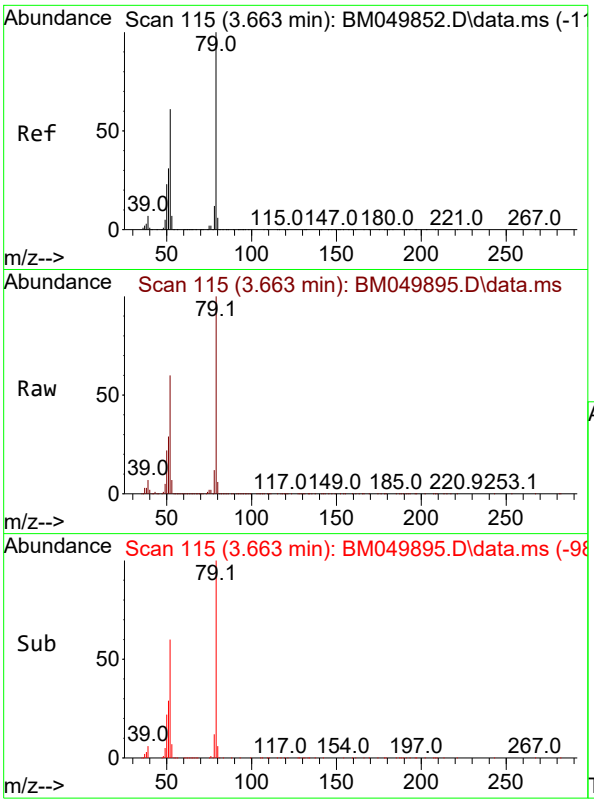


#2
1,4-Dioxane
Concen: 38.039 ng
RT: 3.263 min Scan# 47
Delta R.T. 0.000 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Tgt Ion: 88 Resp: 377083

Ion	Ratio	Lower	Upper
88	100		
58	68.2	54.1	81.1
43	25.8	20.2	30.4



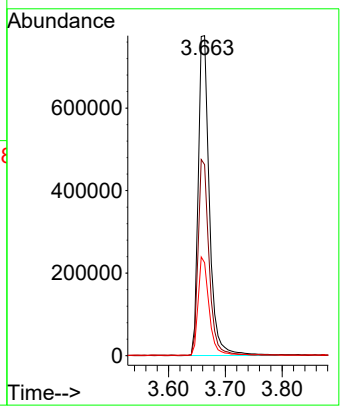


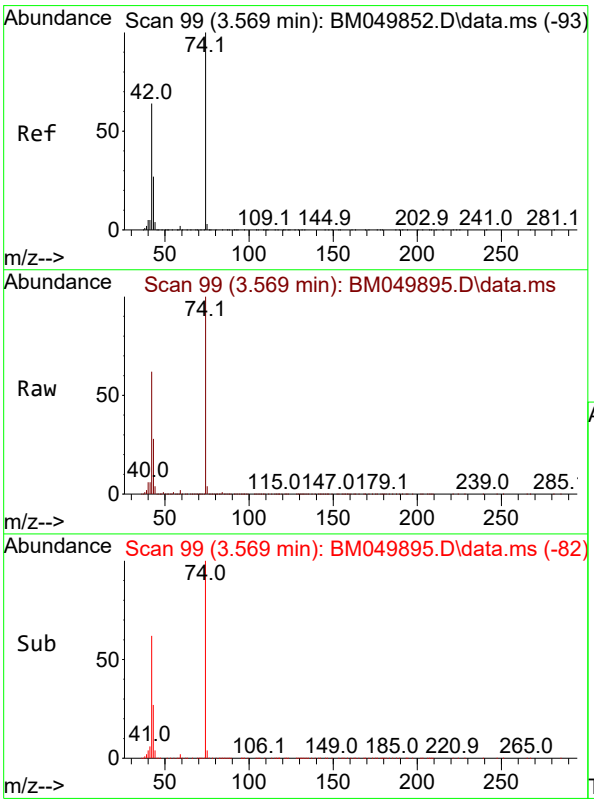
#3
Pyridine
Concen: 40.683 ng
RT: 3.663 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Instrument :
BNA_M
ClientSampleId :
PB167544BS

Tgt Ion: 79 Resp: 1059602

Ion	Ratio	Lower	Upper
79	100		
52	59.7	48.9	73.3
51	29.1	25.0	37.6

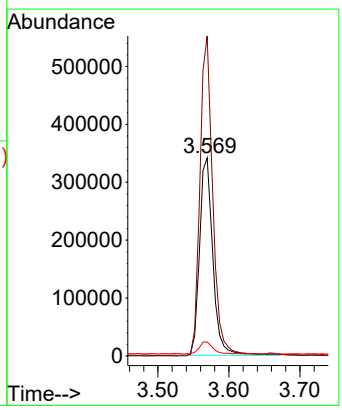


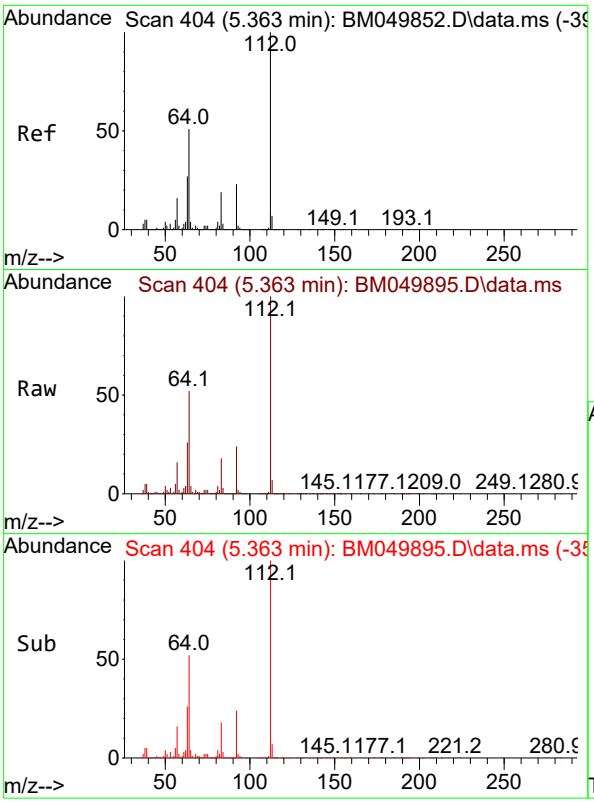


#4
n-Nitrosodimethylamine
Concen: 44.746 ng
RT: 3.569 min Scan# 99
Delta R.T. 0.000 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Tgt Ion: 42 Resp: 443509

Ion	Ratio	Lower	Upper
42	100		
74	161.5	125.4	188.2
44	7.0	5.9	8.9



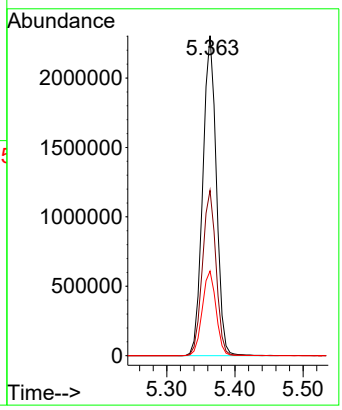


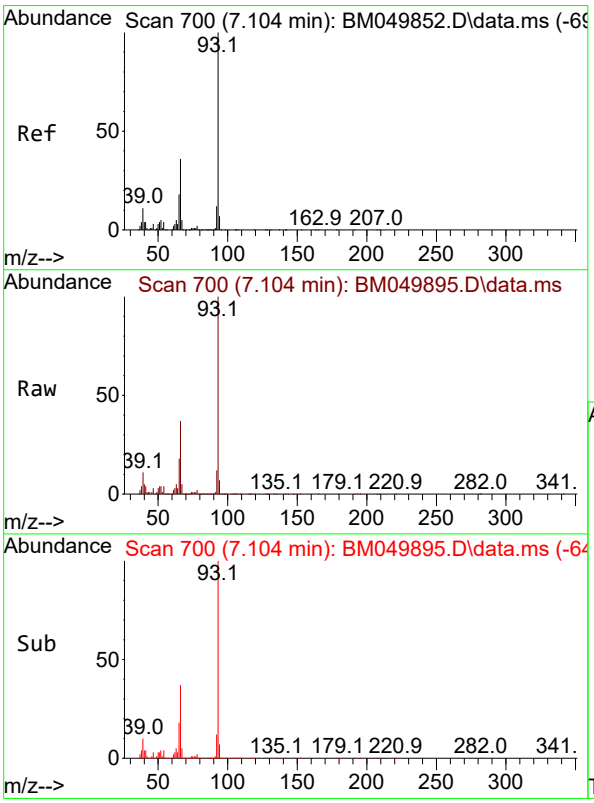
#5
2-Fluorophenol
Concen: 132.576 ng
RT: 5.363 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Instrument :
BNA_M
ClientSampleId :
PB167544BS

Tgt Ion:112 Resp: 3191140

Ion	Ratio	Lower	Upper
112	100		
64	51.7	41.0	61.6
63	26.5	21.5	32.3

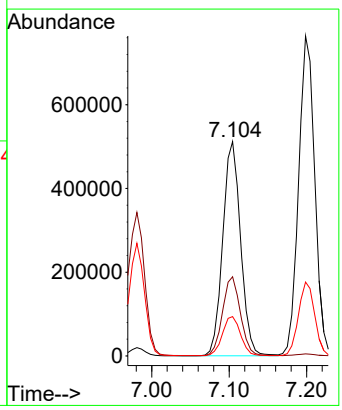


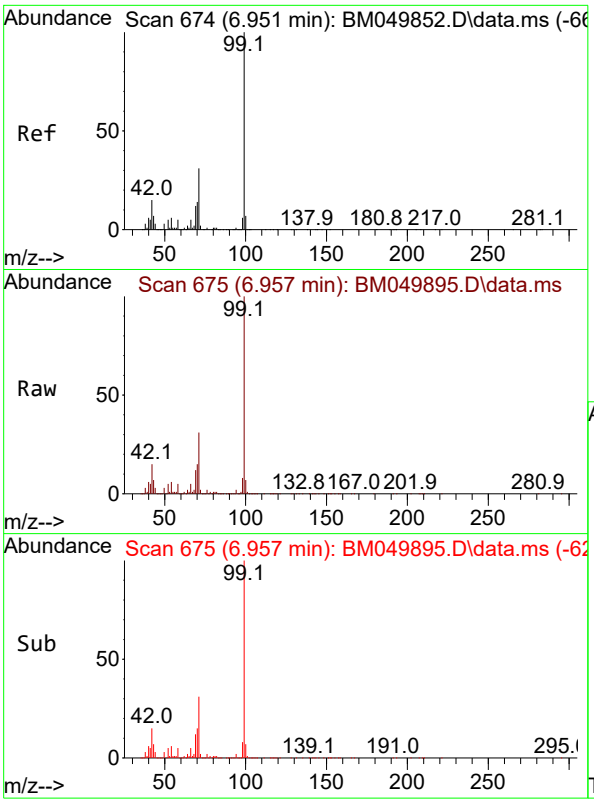


#6
Aniline
Concen: 31.953 ng
RT: 7.104 min Scan# 700
Delta R.T. 0.000 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Tgt Ion: 93 Resp: 819960

Ion	Ratio	Lower	Upper
93	100		
66	36.9	29.1	43.7
65	18.4	14.9	22.3



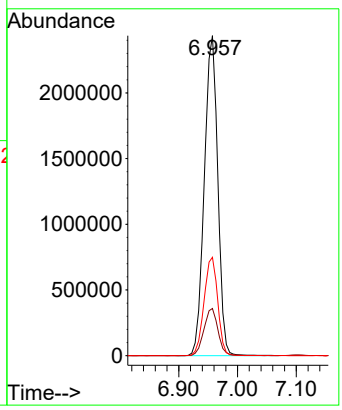


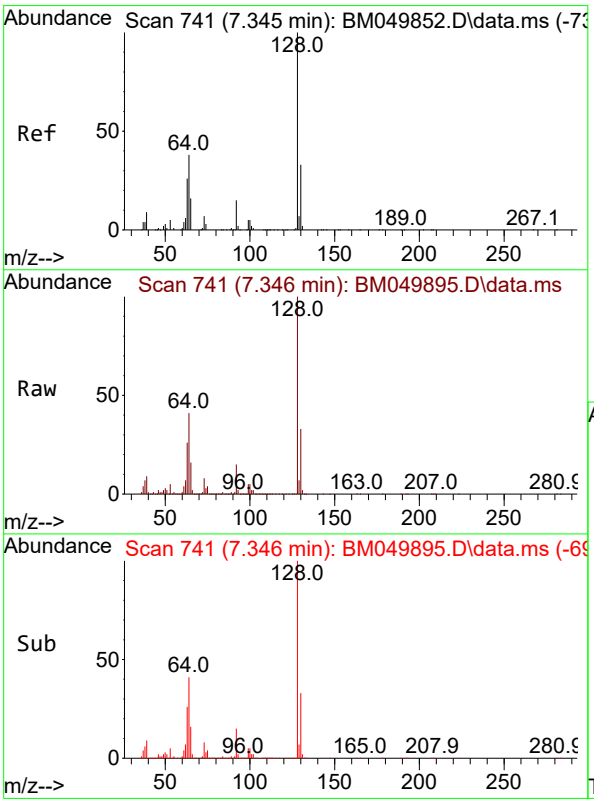
#7
Phenol-d6
Concen: 128.875 ng
RT: 6.957 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Instrument :
BNA_M
ClientSampleId :
PB167544BS

Tgt Ion: 99 Resp: 3859532

Ion	Ratio	Lower	Upper
99	100		
42	14.8	12.1	18.1
71	30.7	24.9	37.3

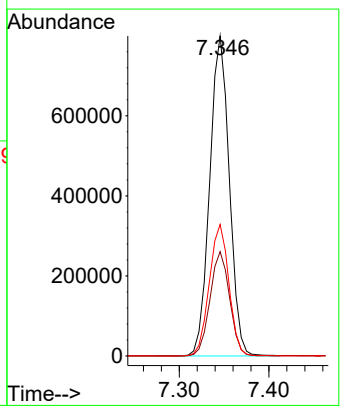


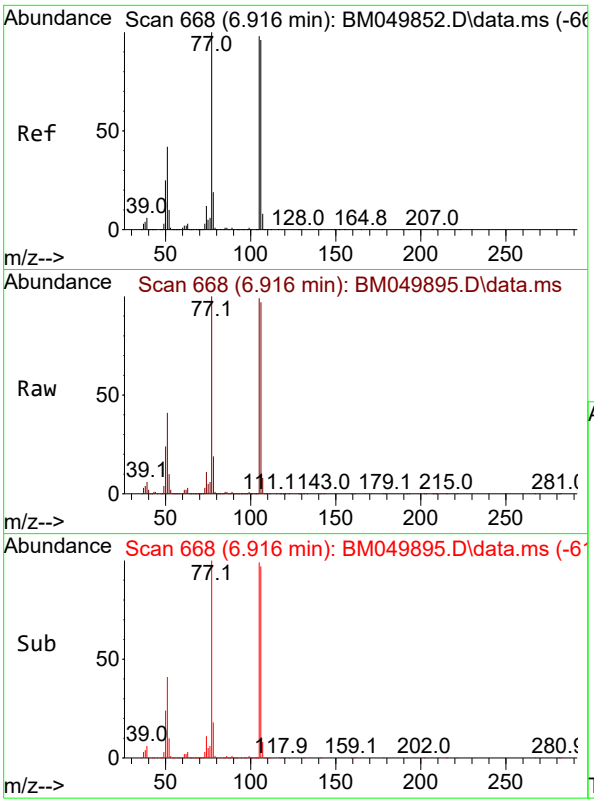


#8
2-Chlorophenol
Concen: 49.174 ng
RT: 7.346 min Scan# 741
Delta R.T. 0.000 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Tgt Ion:128 Resp: 1212993

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.6	52.6
64	41.1	21.1	61.1



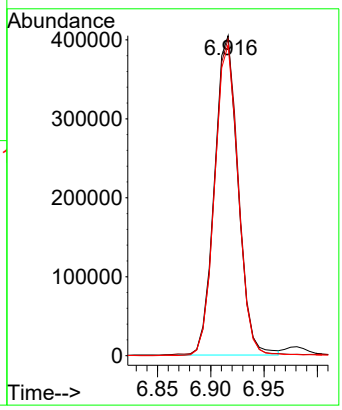


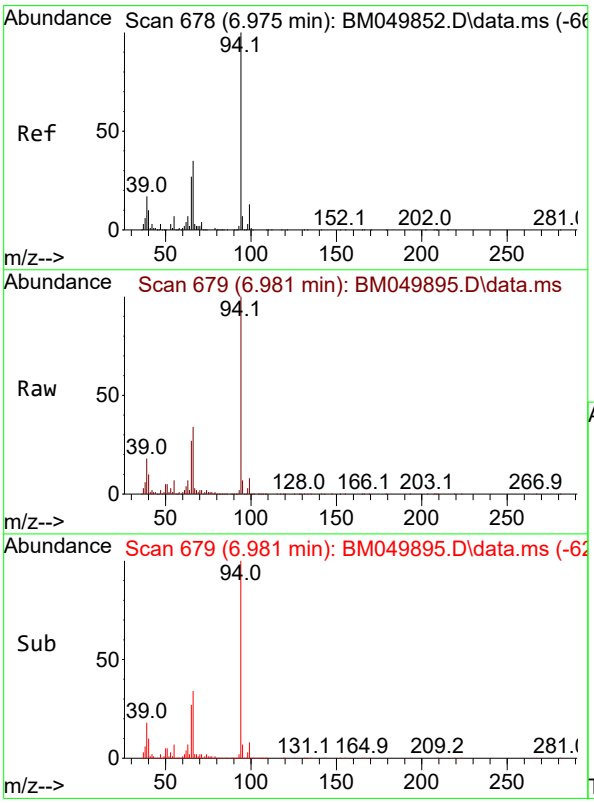
#9
Benzaldehyde
Concen: 40.340 ng
RT: 6.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Instrument :
BNA_M
ClientSampleId :
PB167544BS

Tgt Ion: 77 Resp: 619959

Ion	Ratio	Lower	Upper
77	100		
105	99.1	78.3	118.3
106	97.0	76.0	116.0

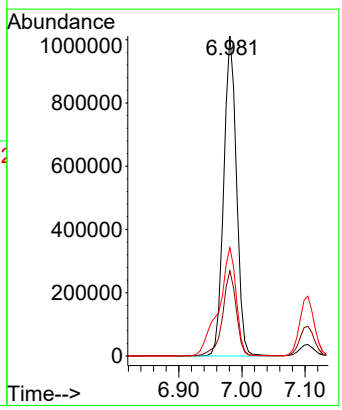


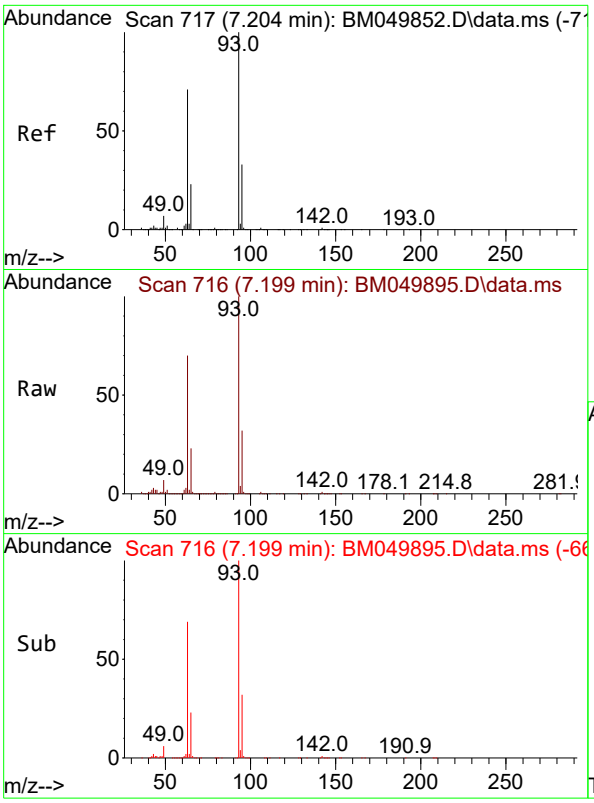


#10
Phenol
Concen: 48.452 ng
RT: 6.981 min Scan# 679
Delta R.T. 0.006 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Tgt Ion: 94 Resp: 1416013

Ion	Ratio	Lower	Upper
94	100		
65	26.6	7.3	47.3
66	33.9	14.8	54.8



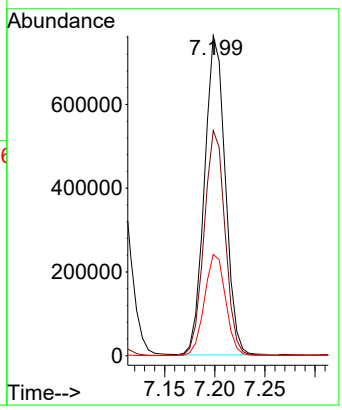


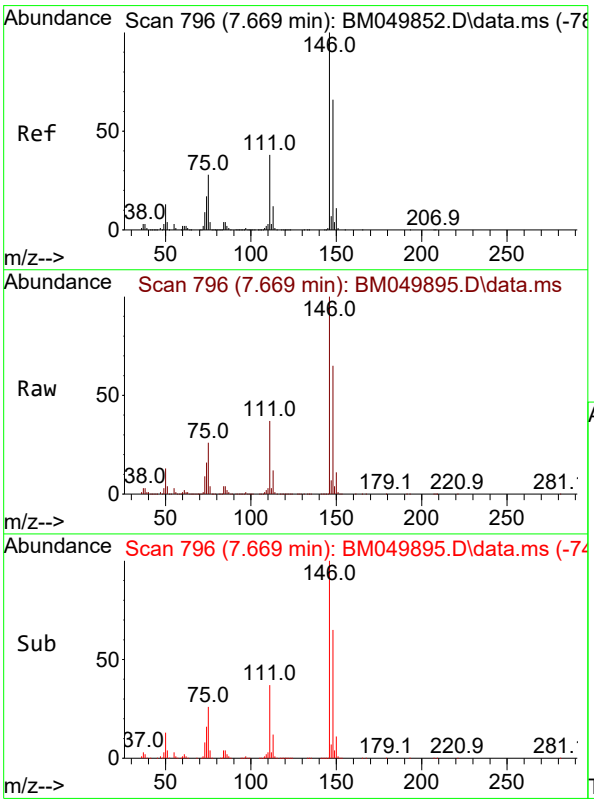
#11
bis(2-Chloroethyl)ether
Concen: 48.034 ng
RT: 7.199 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Instrument :
BNA_M
ClientSampleId :
PB167544BS

Tgt Ion: 93 Resp: 1100831

Ion	Ratio	Lower	Upper
93	100		
63	70.4	50.9	90.9
95	31.7	12.6	52.6

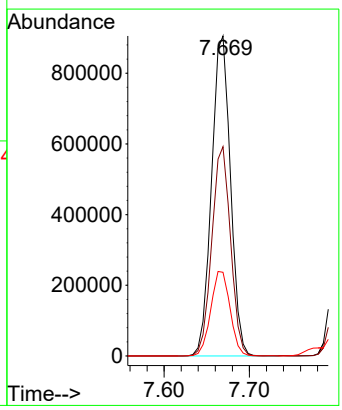


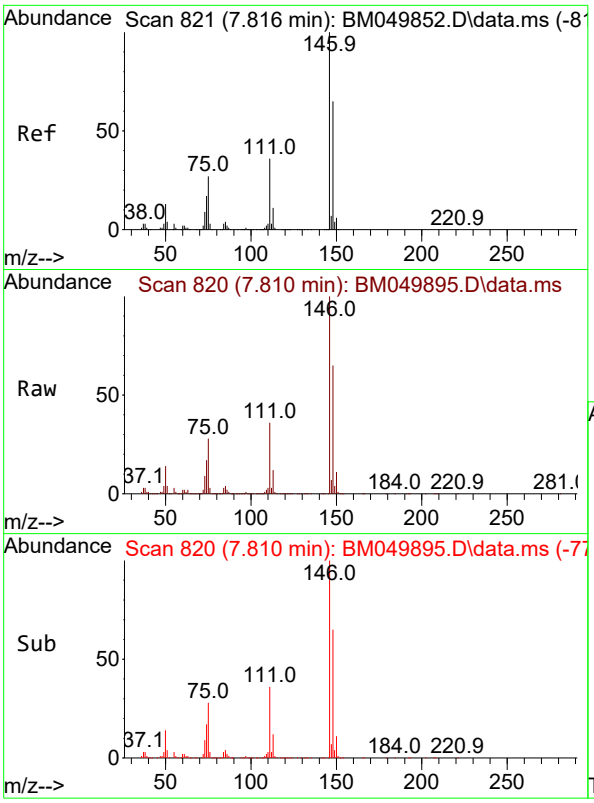


#12
1,3-Dichlorobenzene
Concen: 47.816 ng
RT: 7.669 min Scan# 796
Delta R.T. 0.000 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Tgt Ion:146 Resp: 1394493

Ion	Ratio	Lower	Upper
146	100		
148	65.4	52.5	78.7
75	26.1	22.5	33.7



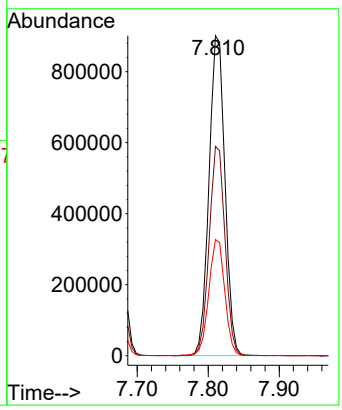


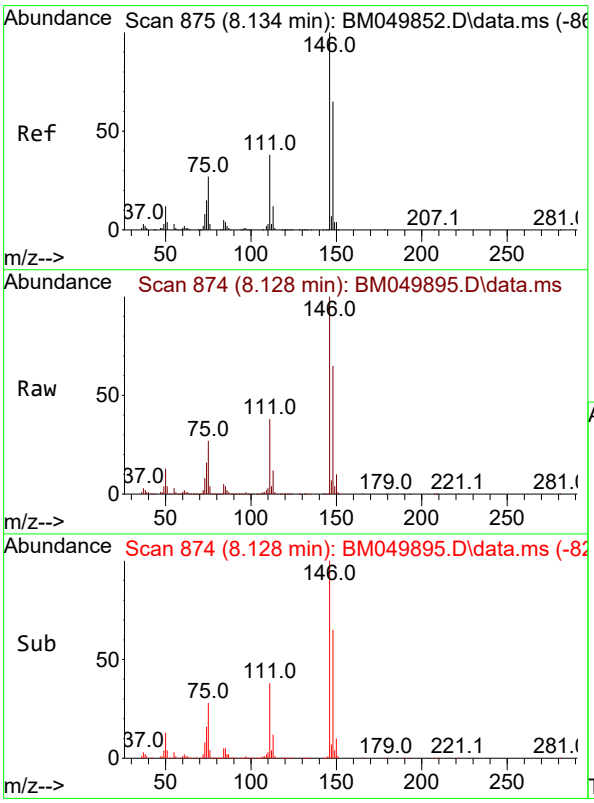
#13
1,4-Dichlorobenzene
Concen: 47.866 ng
RT: 7.810 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Instrument :
BNA_M
ClientSampleId :
PB167544BS

Tgt Ion:146 Resp: 1404604

Ion	Ratio	Lower	Upper
146	100		
148	65.4	52.4	78.6
111	36.3	28.5	42.7

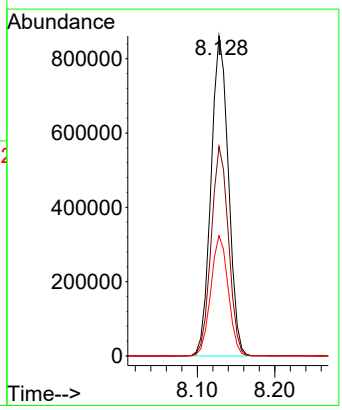


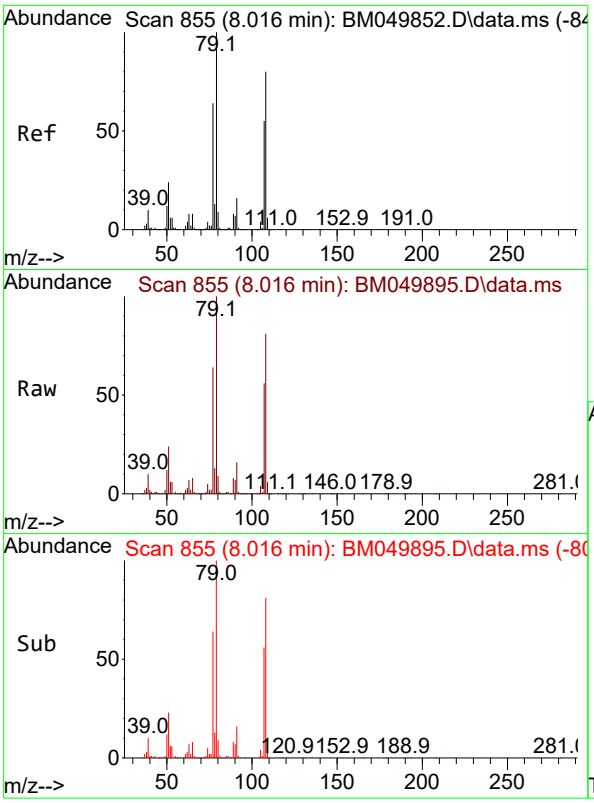


#14
1,2-Dichlorobenzene
Concen: 48.580 ng
RT: 8.128 min Scan# 874
Delta R.T. -0.006 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Tgt Ion:146 Resp: 1342735

Ion	Ratio	Lower	Upper
146	100		
148	65.5	51.8	77.8
111	37.6	30.2	45.4



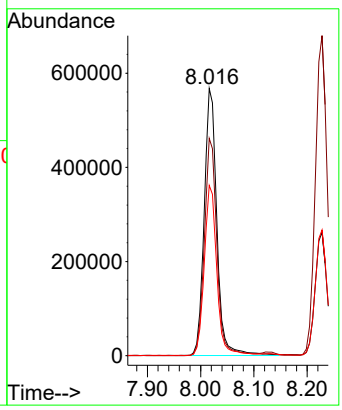


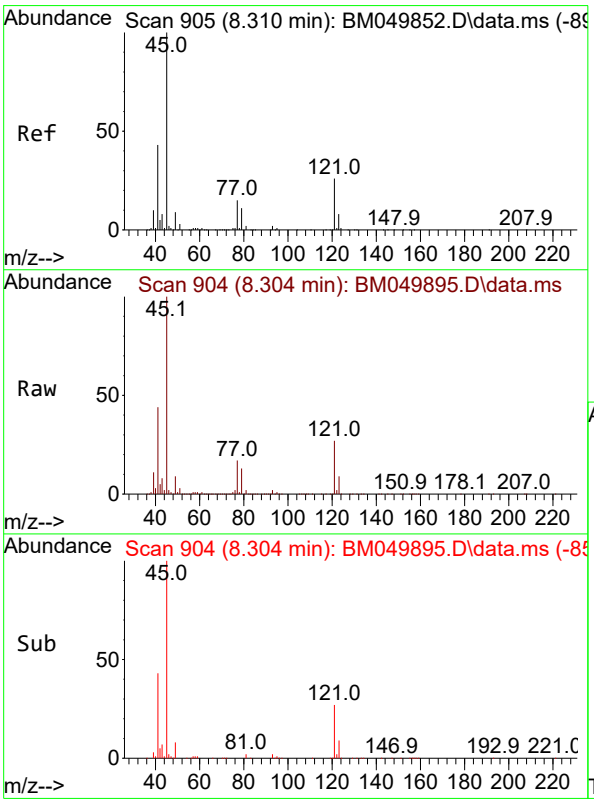
#15
Benzyl Alcohol
Concen: 49.753 ng
RT: 8.016 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Instrument :
BNA_M
ClientSampleId :
PB167544BS

Tgt Ion: 79 Resp: 938253

Ion	Ratio	Lower	Upper
79	100		
108	81.3	63.6	95.4
77	63.7	51.3	76.9

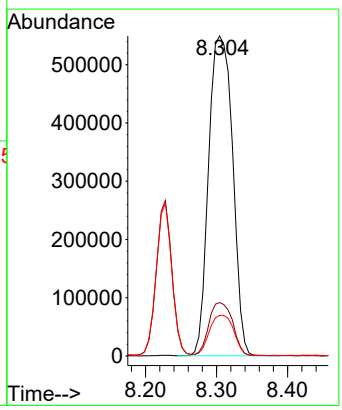


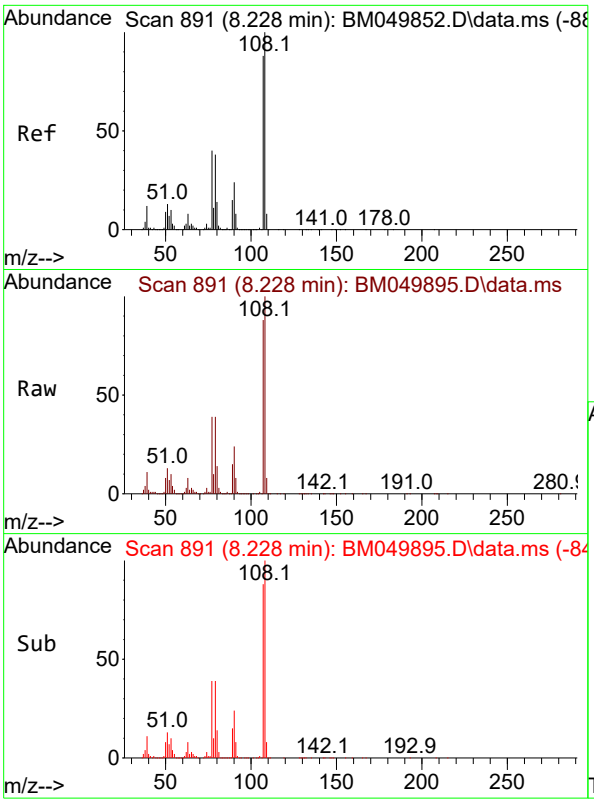


#16
2,2'-oxybis(1-Chloropropane)
Concen: 50.405 ng
RT: 8.304 min Scan# 904
Delta R.T. -0.006 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Tgt Ion: 45 Resp: 1287543

Ion	Ratio	Lower	Upper
45	100		
77	16.7	0.0	36.9
79	12.6	0.0	32.9



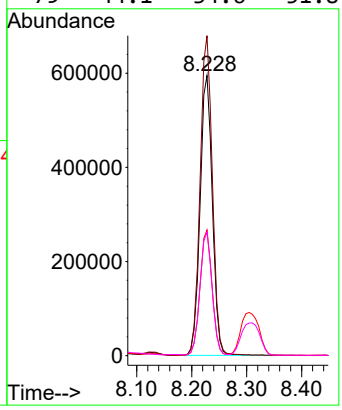


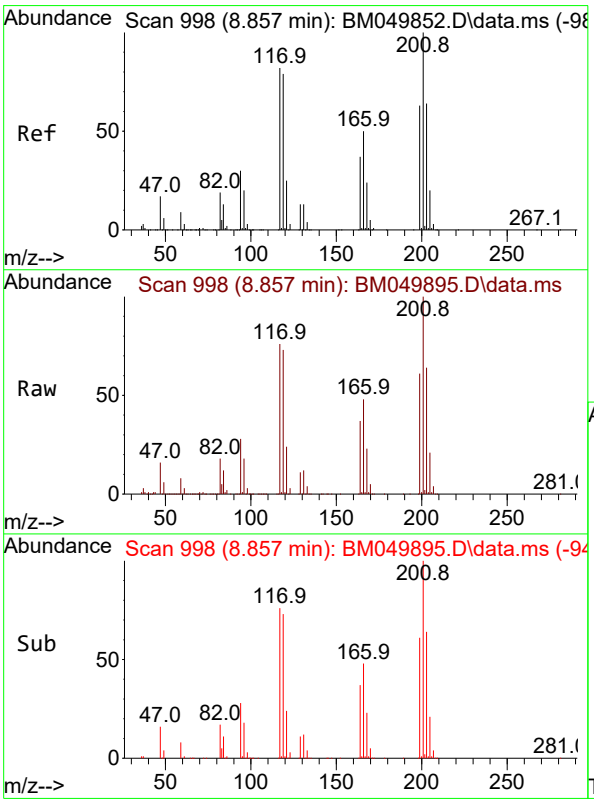
#17
2-Methylphenol
Concen: 51.208 ng
RT: 8.228 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Instrument :
BNA_M
ClientSampleId :
PB167544BS

Tgt Ion:107 Resp: 922240

Ion	Ratio	Lower	Upper
107	100		
108	114.2	91.0	136.6
77	44.9	36.5	54.7
79	44.1	34.6	51.8

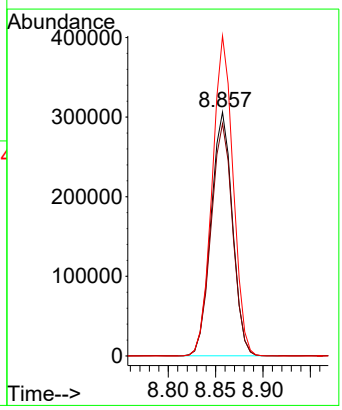


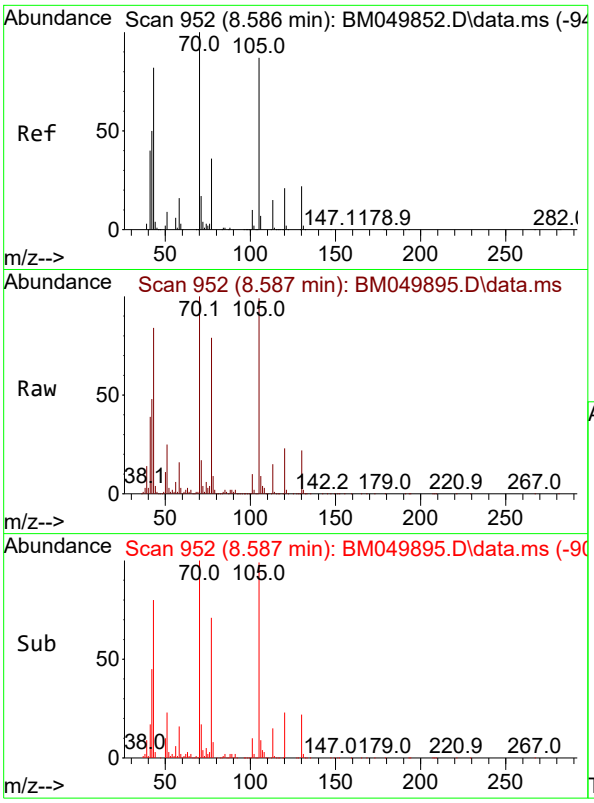


#18
Hexachloroethane
Concen: 47.153 ng
RT: 8.857 min Scan# 998
Delta R.T. 0.000 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Tgt Ion:117 Resp: 481403

Ion	Ratio	Lower	Upper
117	100		
119	95.3	77.5	116.3
201	131.3	97.7	146.5



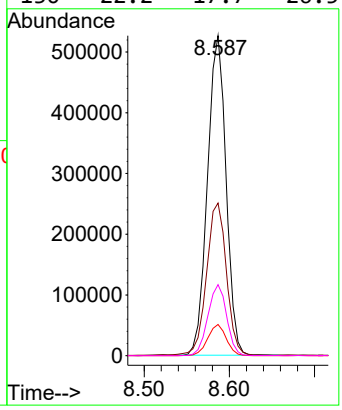


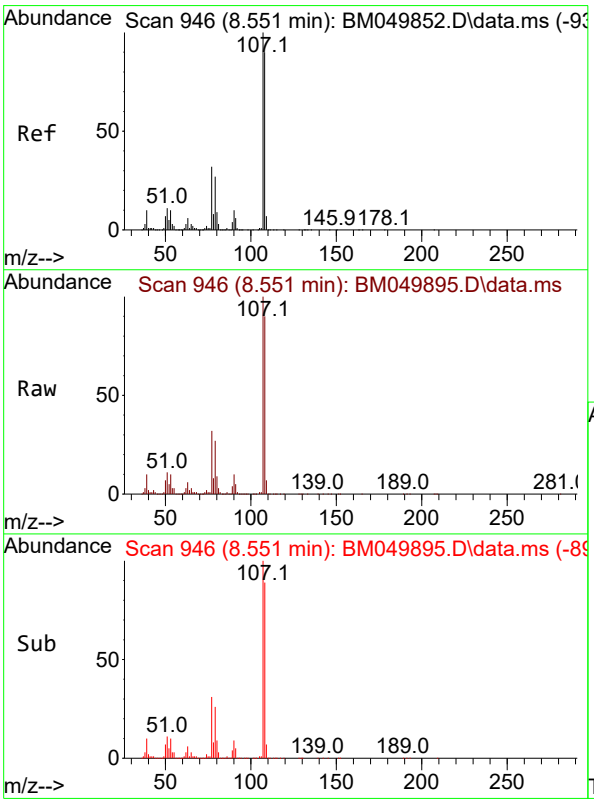
#19
n-Nitroso-di-n-propylamine
Concen: 48.239 ng
RT: 8.587 min Scan# 9
Delta R.T. 0.000 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Instrument :
BNA_M
ClientSampleId :
PB167544BS

Tgt Ion: 70 Resp: 800126

Ion	Ratio	Lower	Upper
70	100		
42	47.7	40.2	60.2
101	9.8	7.9	11.9
130	22.2	17.7	26.5

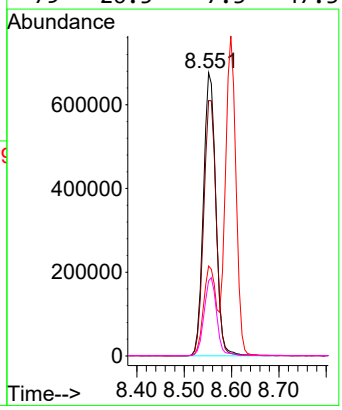


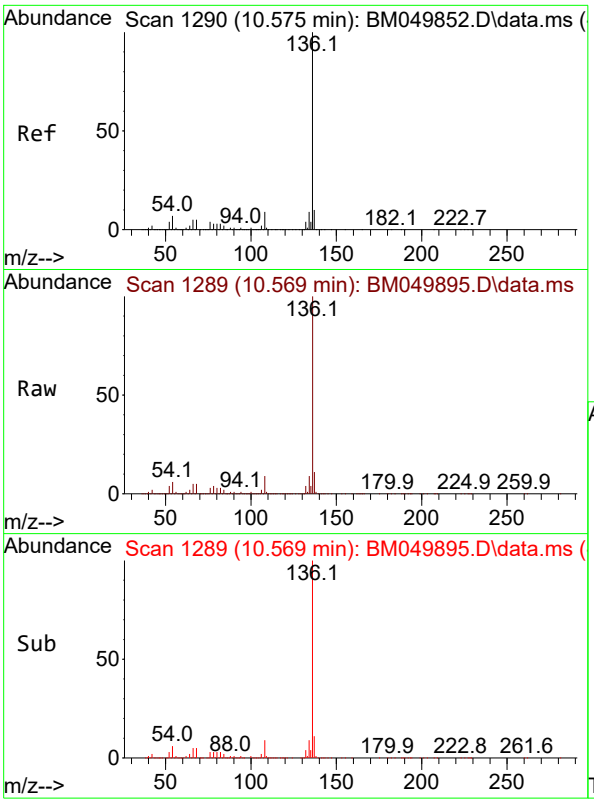


#20
3+4-Methylphenols
Concen: 50.061 ng
RT: 8.551 min Scan# 946
Delta R.T. 0.000 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Tgt Ion:107 Resp: 1229159

Ion	Ratio	Lower	Upper
107	100		
108	90.2	69.6	109.6
77	31.7	11.7	51.7
79	26.5	7.3	47.3



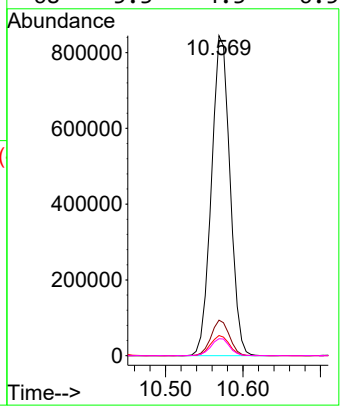


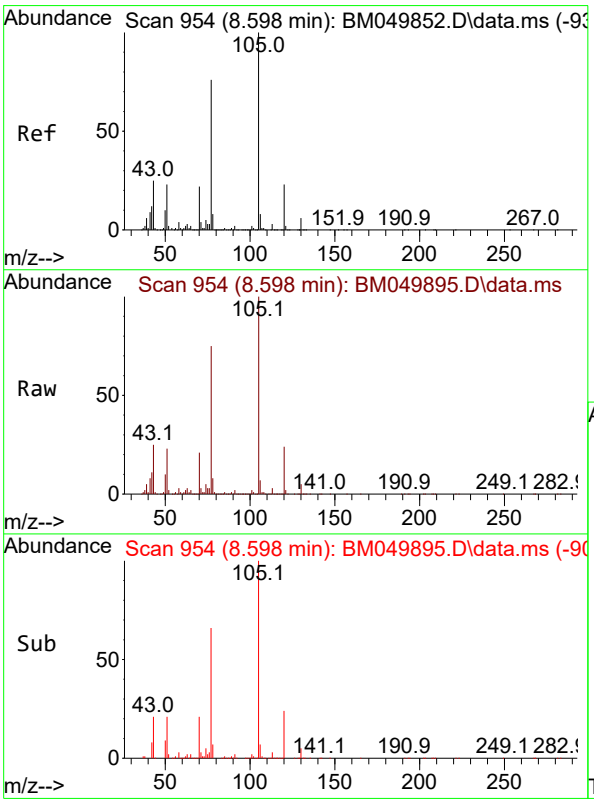
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.569 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Instrument :
BNA_M
ClientSampleId :
PB167544BS

Tgt Ion:136 Resp: 1404608

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.4	12.6
54	6.3	5.3	7.9
68	5.3	4.3	6.5

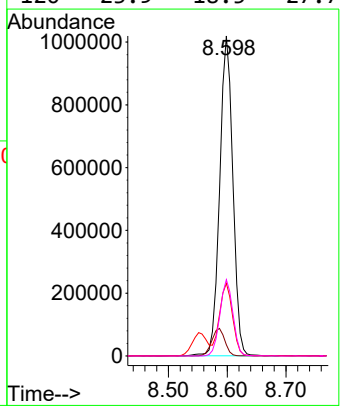


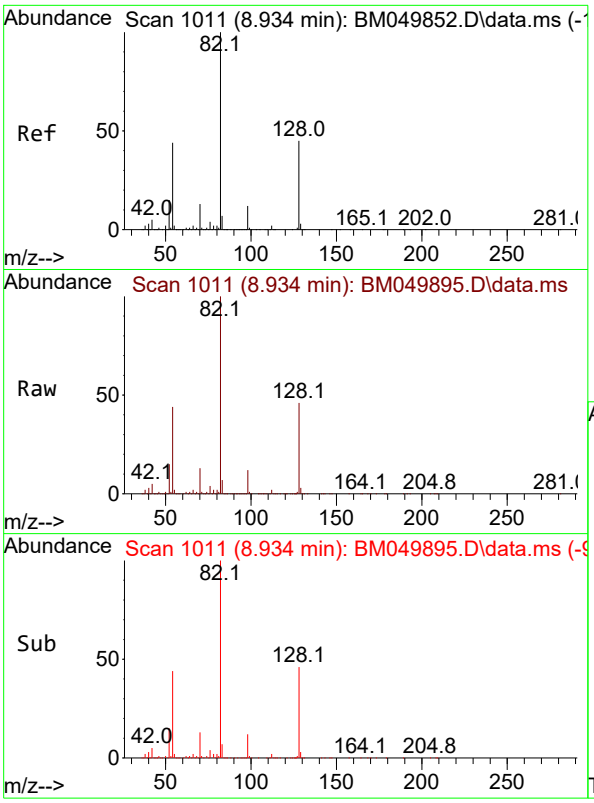


#22
Acetophenone
Concen: 46.483 ng
RT: 8.598 min Scan# 954
Delta R.T. 0.000 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Tgt Ion:105 Resp: 1586775

Ion	Ratio	Lower	Upper
105	100		
71	3.5	3.0	4.4
51	22.7	18.6	27.8
120	23.9	18.5	27.7



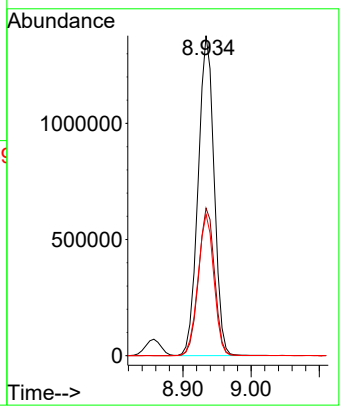


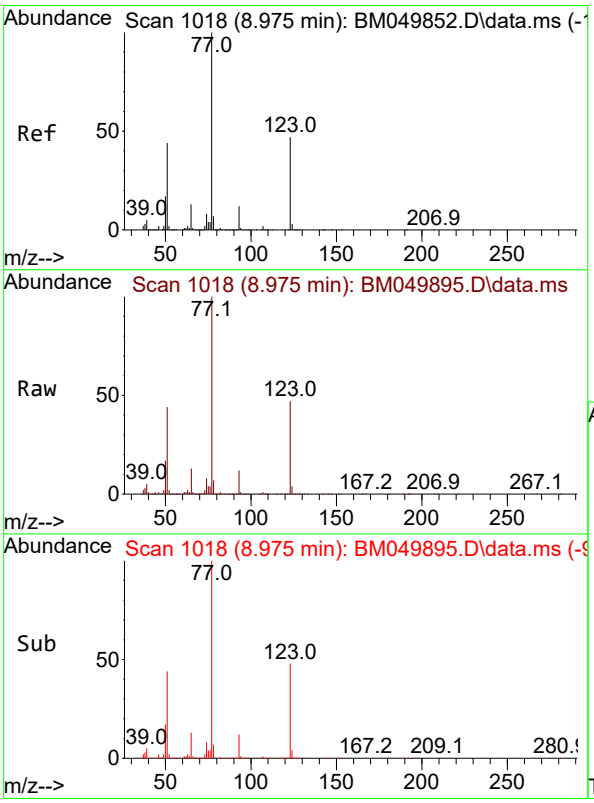
#23
Nitrobenzene-d5
Concen: 88.885 ng
RT: 8.934 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Instrument :
BNA_M
ClientSampleId :
PB167544BS

Tgt Ion: 82 Resp: 2242037

Ion	Ratio	Lower	Upper
82	100		
128	46.1	36.2	54.2
54	44.2	35.0	52.6

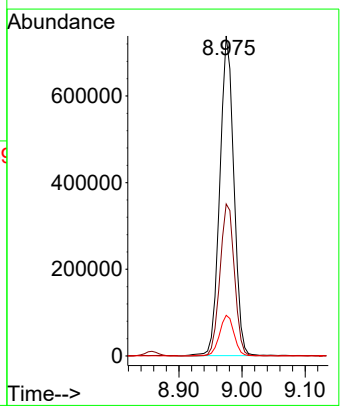


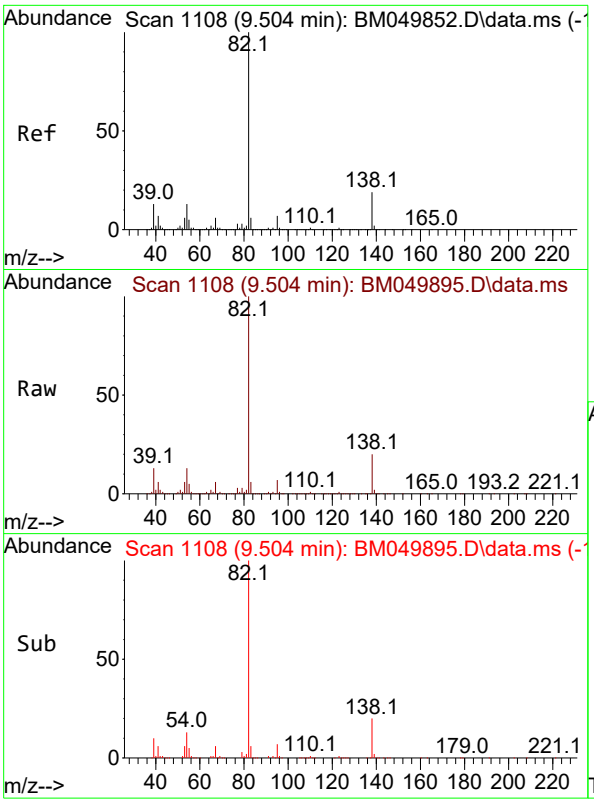


#24
Nitrobenzene
Concen: 47.042 ng
RT: 8.975 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Tgt Ion: 77 Resp: 1142581

Ion	Ratio	Lower	Upper
77	100		
123	47.5	37.4	56.2
65	12.7	10.1	15.1



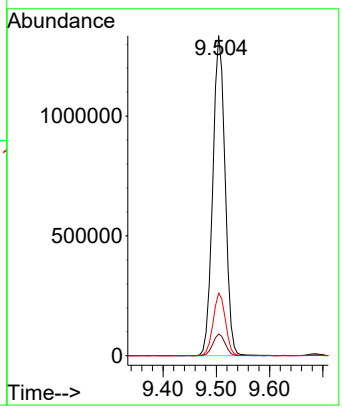


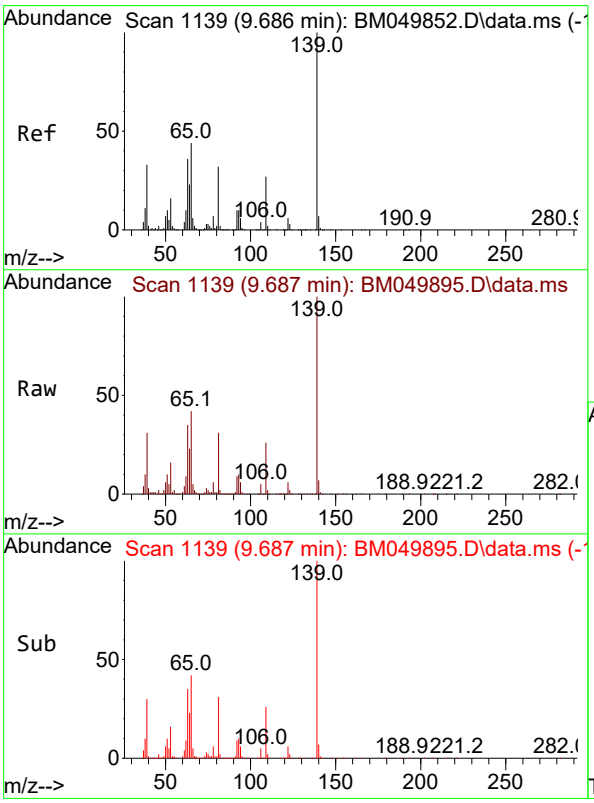
#25
Isophorone
Concen: 50.651 ng
RT: 9.504 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Instrument :
BNA_M
ClientSampleId :
PB167544BS

Tgt Ion: 82 Resp: 2140268

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.4	8.2
138	19.5	15.0	22.6

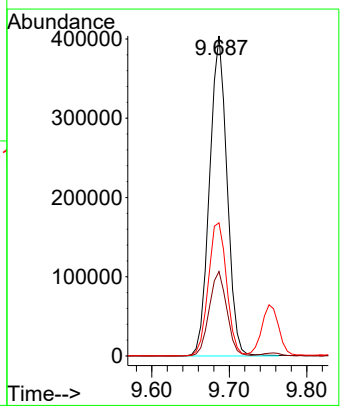


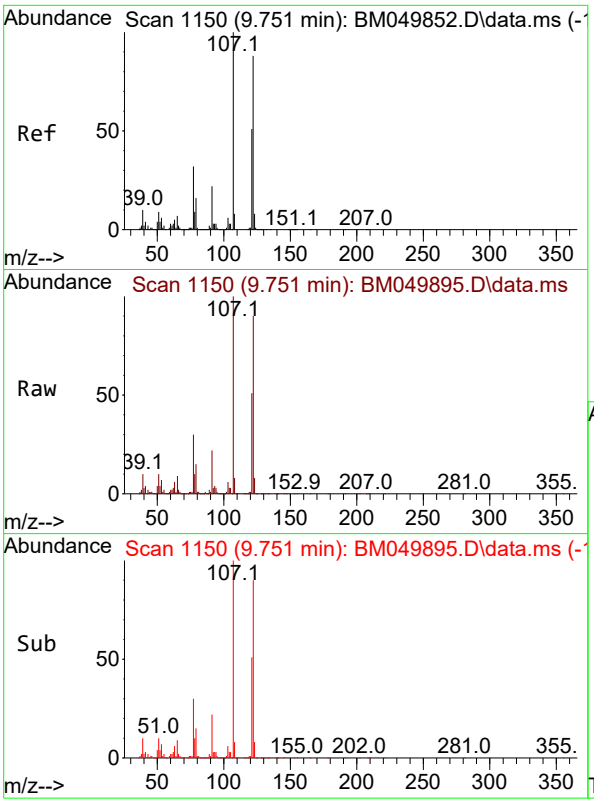


#26
2-Nitrophenol
Concen: 49.057 ng
RT: 9.687 min Scan# 1139
Delta R.T. 0.000 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Tgt Ion:139 Resp: 631526

Ion	Ratio	Lower	Upper
139	100		
109	26.4	21.7	32.5
65	41.6	35.2	52.8



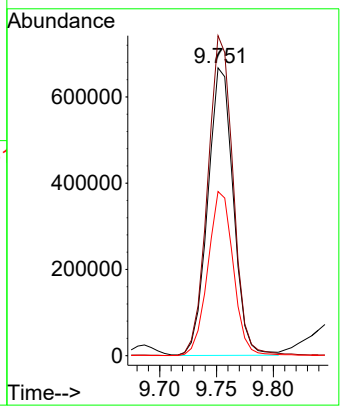


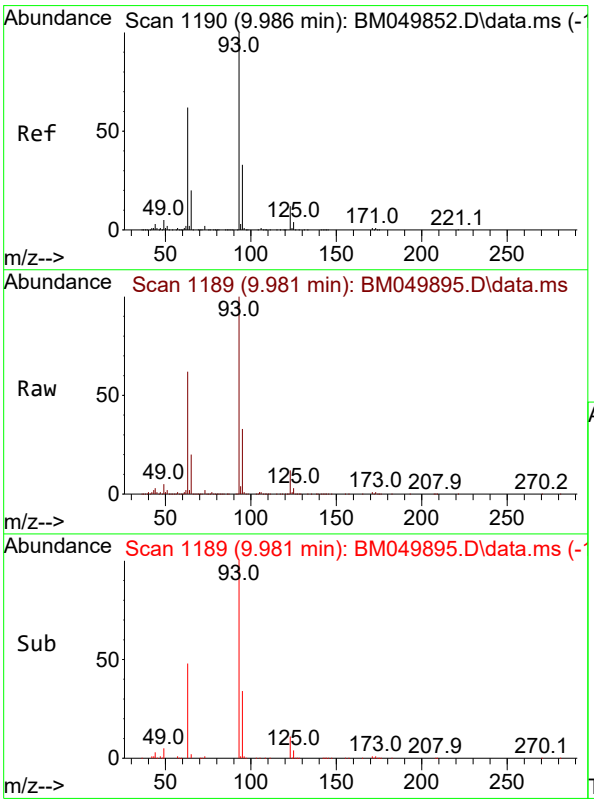
#27
2,4-Dimethylphenol
Concen: 71.635 ng
RT: 9.751 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Instrument :
BNA_M
ClientSampleId :
PB167544BS

Tgt Ion:122 Resp: 1045085

Ion	Ratio	Lower	Upper
122	100		
107	111.1	90.3	135.5
121	57.0	46.1	69.1

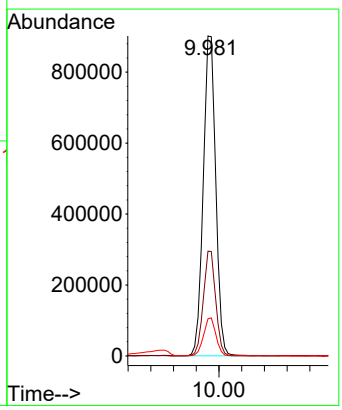


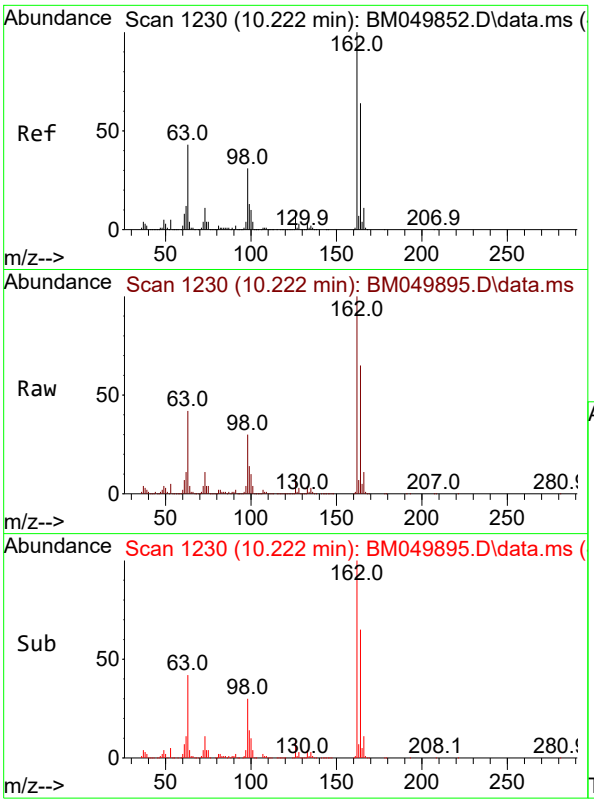


#28
bis(2-Chloroethoxy)methane
Concen: 48.401 ng
RT: 9.981 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Tgt Ion: 93 Resp: 1369229

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.6	40.0
123	11.6	9.5	14.3



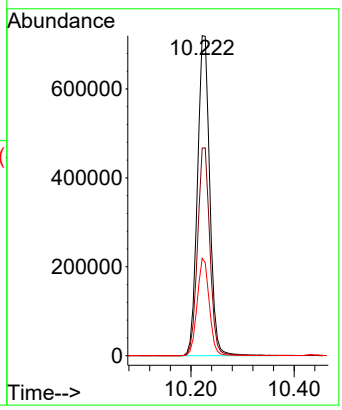


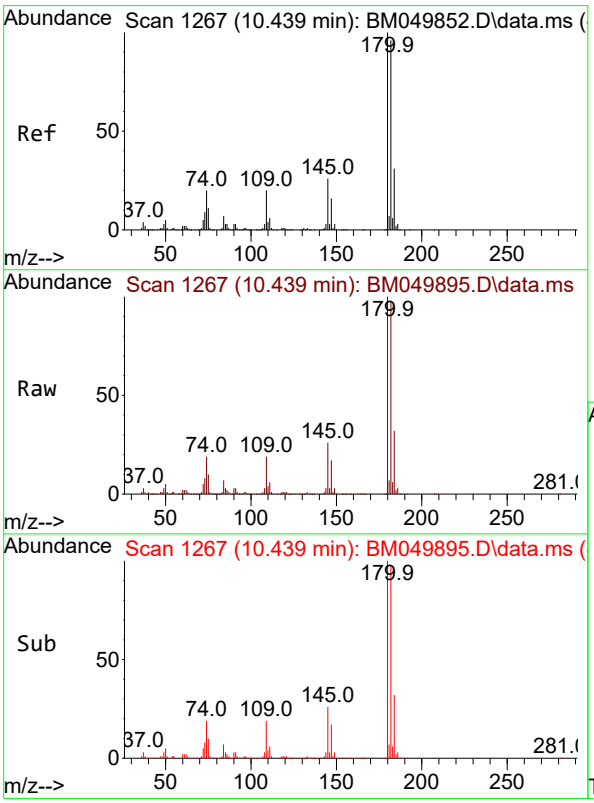
#29
2,4-Dichlorophenol
Concen: 49.051 ng
RT: 10.222 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Instrument :
BNA_M
ClientSampleId :
PB167544BS

Tgt Ion:162 Resp: 1189520

Ion	Ratio	Lower	Upper
162	100		
164	64.9	44.3	84.3
98	30.4	10.9	50.9

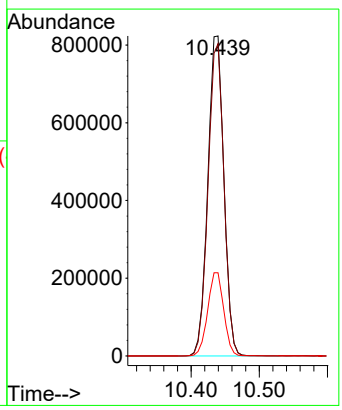


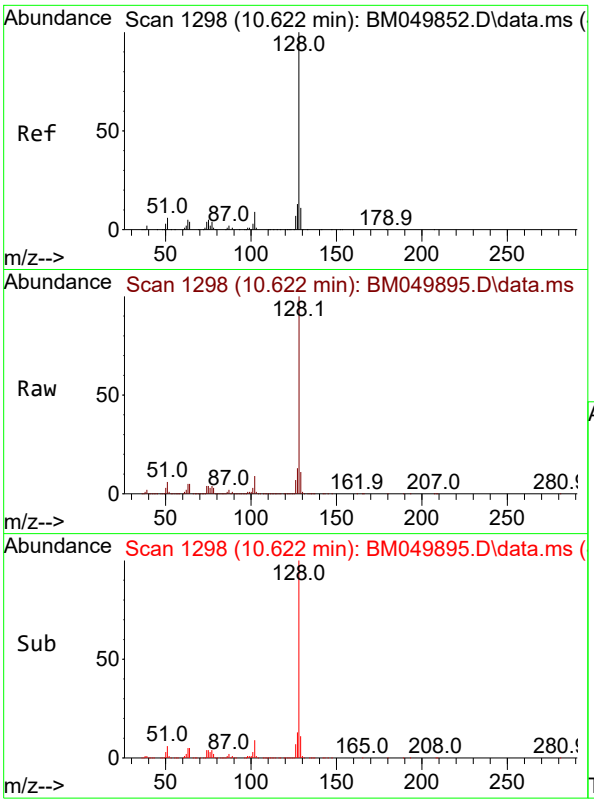


#30
1,2,4-Trichlorobenzene
Concen: 48.174 ng
RT: 10.439 min Scan# 1267
Delta R.T. 0.000 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Tgt Ion:180 Resp: 1351494

Ion	Ratio	Lower	Upper
180	100		
182	97.6	76.7	115.1
145	26.0	20.8	31.2



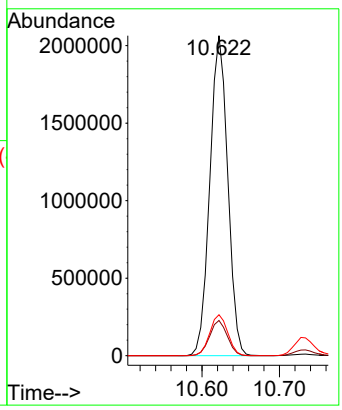


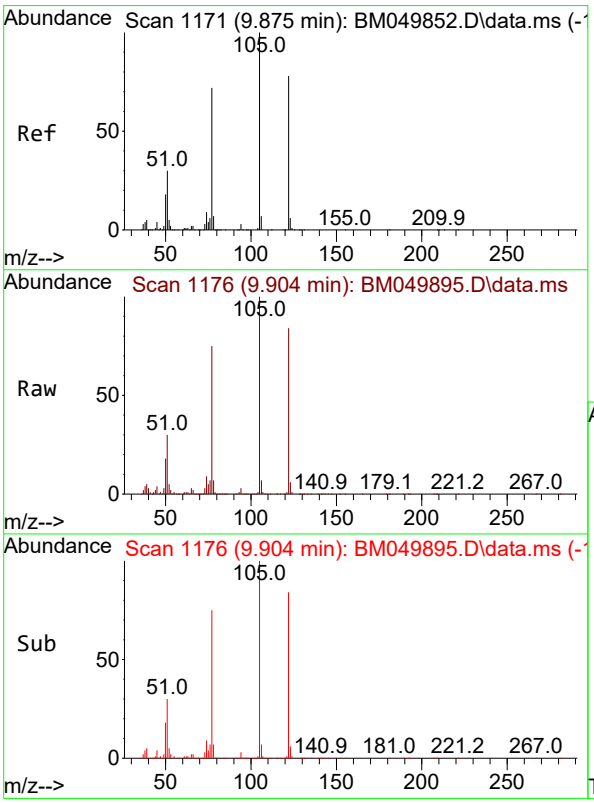
#31
Naphthalene
Concen: 45.799 ng
RT: 10.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Instrument :
BNA_M
ClientSampleId :
PB167544BS

Tgt Ion:128 Resp: 3305519

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	12.8	10.6	15.8

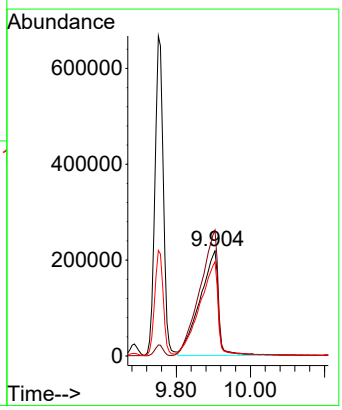


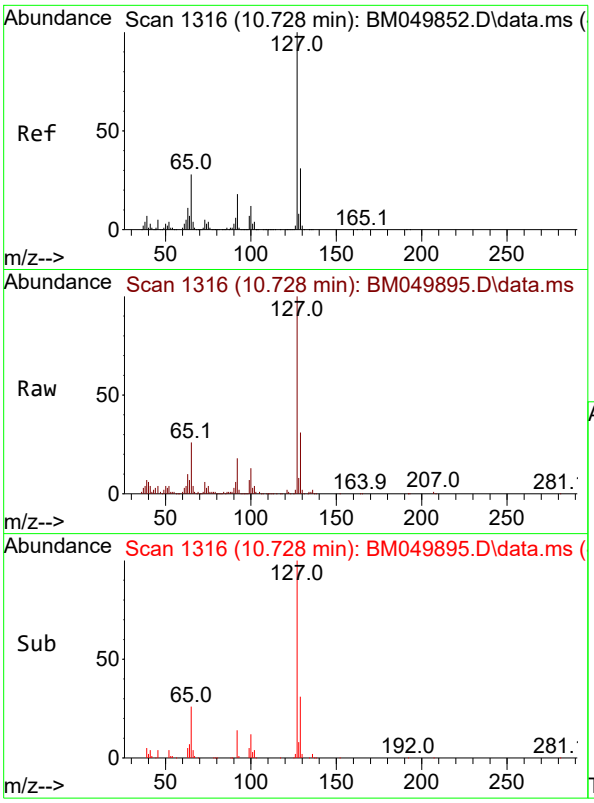


#32
Benzoic acid
Concen: 42.843 ng
RT: 9.904 min Scan# 1176
Delta R.T. 0.029 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Tgt Ion:122 Resp: 754581

Ion	Ratio	Lower	Upper
122	100		
105	119.6	103.8	143.8
77	89.6	70.7	110.7



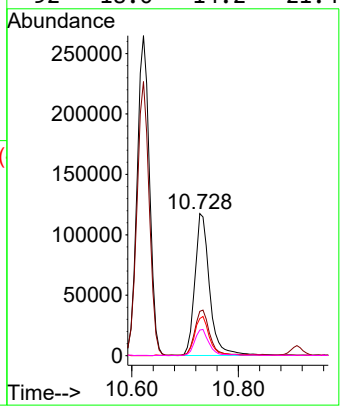


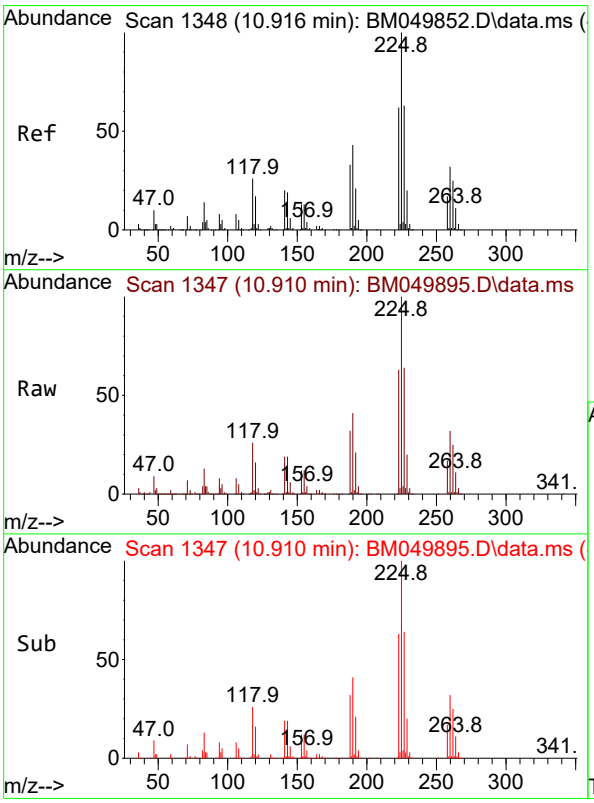
#33
4-Chloroaniline
Concen: 8.827 ng
RT: 10.728 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Instrument :
BNA_M
ClientSampleId :
PB167544BS

Tgt Ion:127 Resp: 224960

Ion	Ratio	Lower	Upper
127	100		
129	31.2	24.9	37.3
65	26.1	22.4	33.6
92	18.0	14.2	21.4

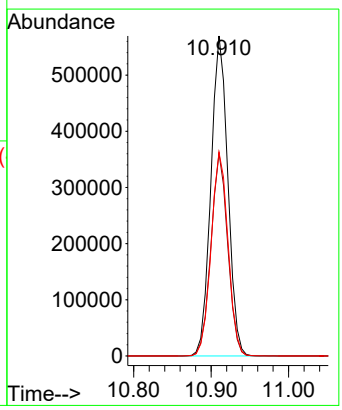


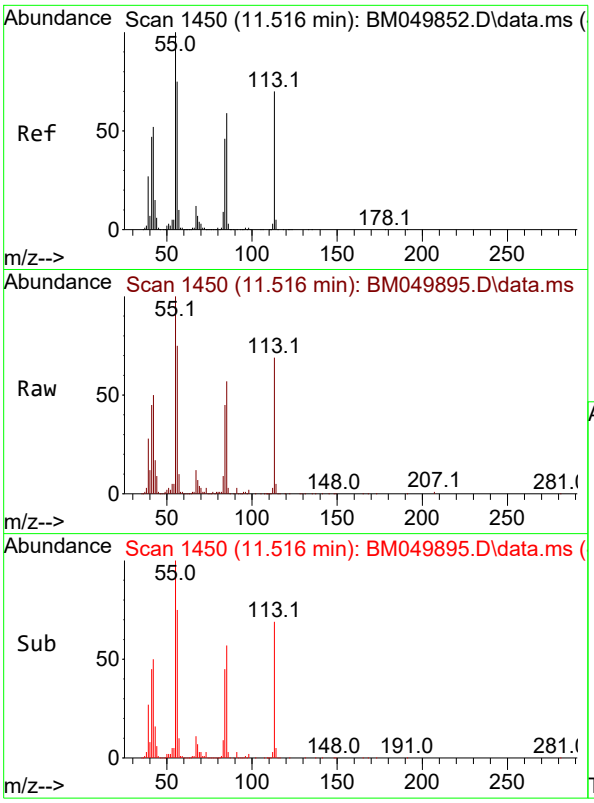


#34
Hexachlorobutadiene
Concen: 49.747 ng
RT: 10.910 min Scan# 1347
Delta R.T. -0.006 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Tgt Ion:225 Resp: 863288

Ion	Ratio	Lower	Upper
225	100		
223	63.4	49.4	74.2
227	63.6	50.1	75.1



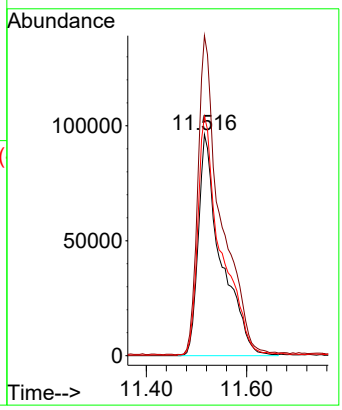


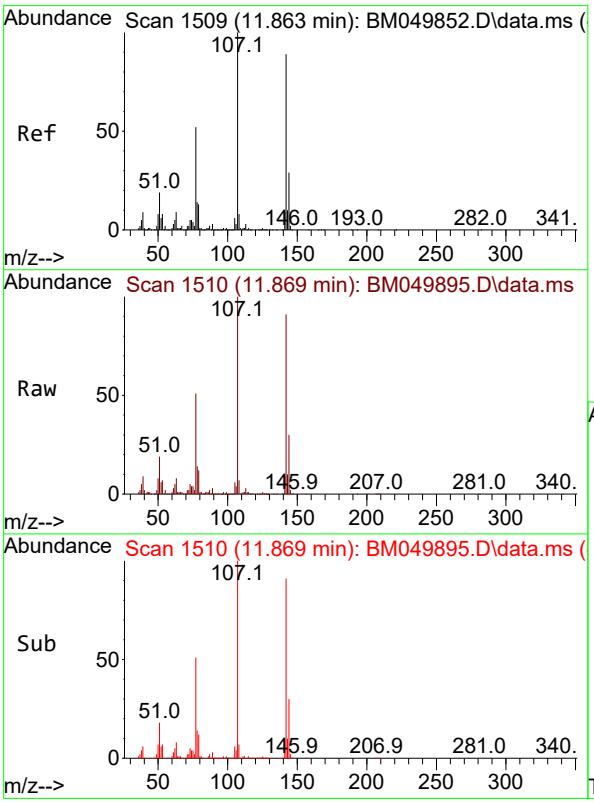
#35
Caprolactam
Concen: 43.455 ng
RT: 11.516 min Scan# 14
Delta R.T. 0.000 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Instrument :
BNA_M
ClientSampleId :
PB167544BS

Tgt Ion:113 Resp: 302246

Ion	Ratio	Lower	Upper
113	100		
55	144.7	124.3	164.3
56	108.3	87.5	127.5

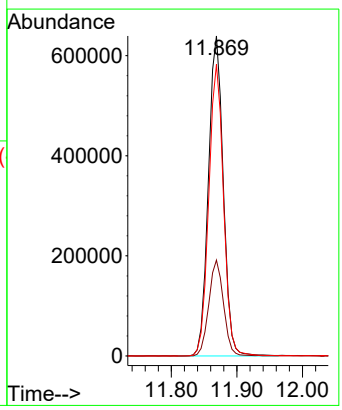


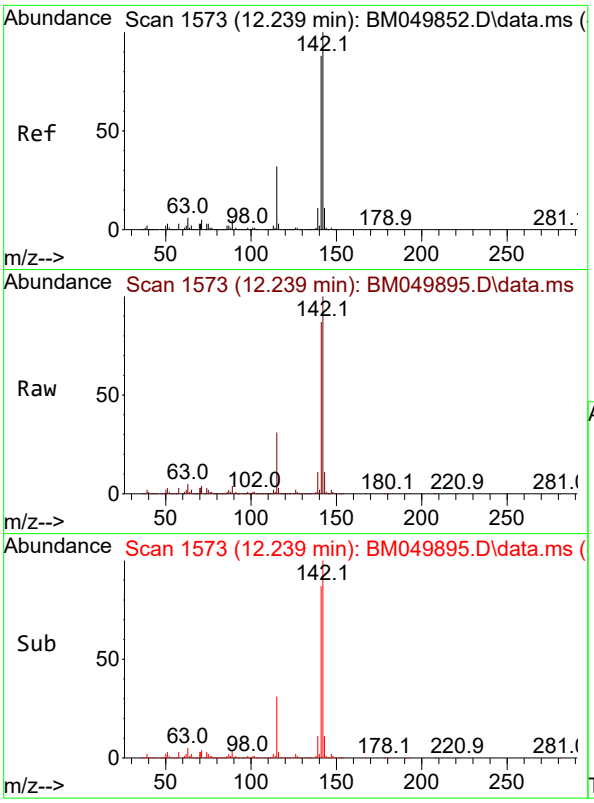


#36
4-Chloro-3-methylphenol
Concen: 47.432 ng
RT: 11.869 min Scan# 1510
Delta R.T. 0.006 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Tgt Ion:107 Resp: 1007565

Ion	Ratio	Lower	Upper
107	100		
144	29.9	23.6	35.4
142	91.1	71.4	107.0



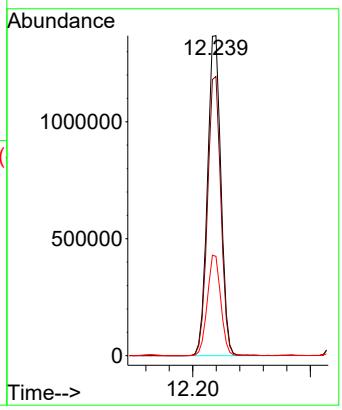


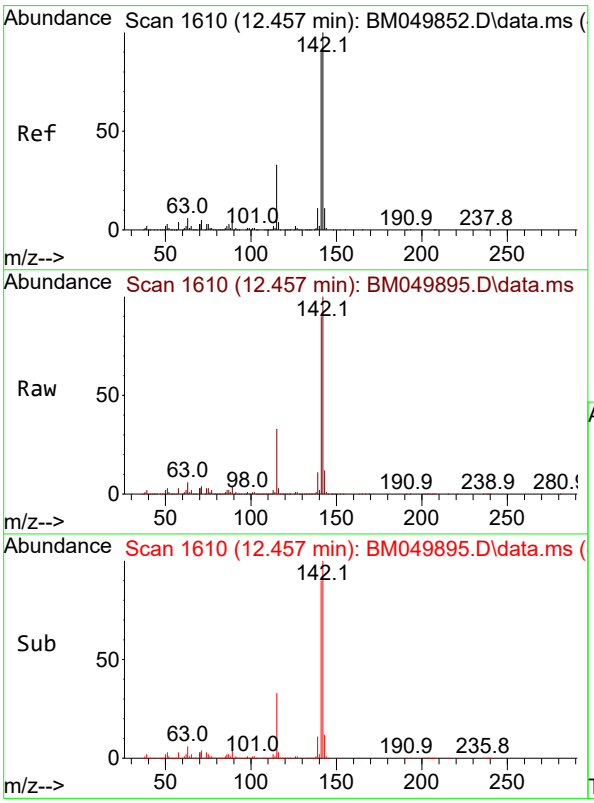
#37
2-Methylnaphthalene
Concen: 42.617 ng
RT: 12.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Instrument :
BNA_M
ClientSampleId :
PB167544BS

Tgt Ion:142 Resp: 2167106

Ion	Ratio	Lower	Upper
142	100		
141	87.2	70.2	105.2
115	31.1	25.4	38.2

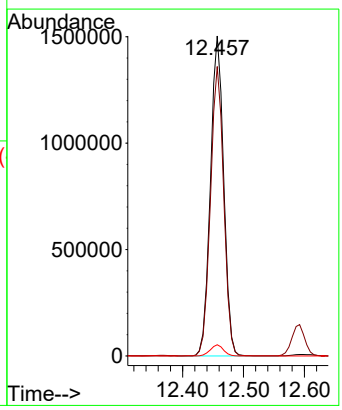


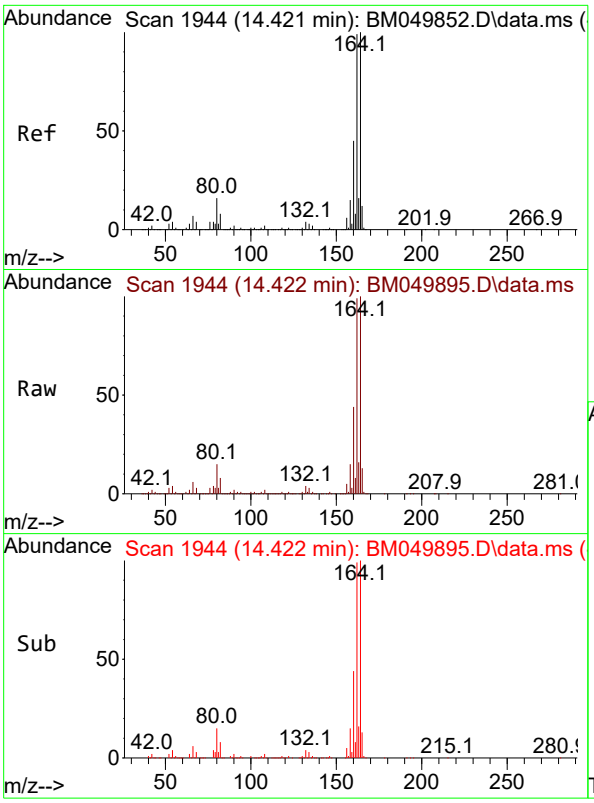


#38
1-Methylnaphthalene
Concen: 45.903 ng
RT: 12.457 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Tgt Ion:142 Resp: 2274096

Ion	Ratio	Lower	Upper
142	100		
141	90.5	72.2	108.2
116	3.5	2.9	4.3



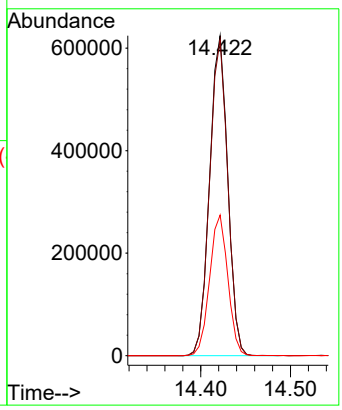


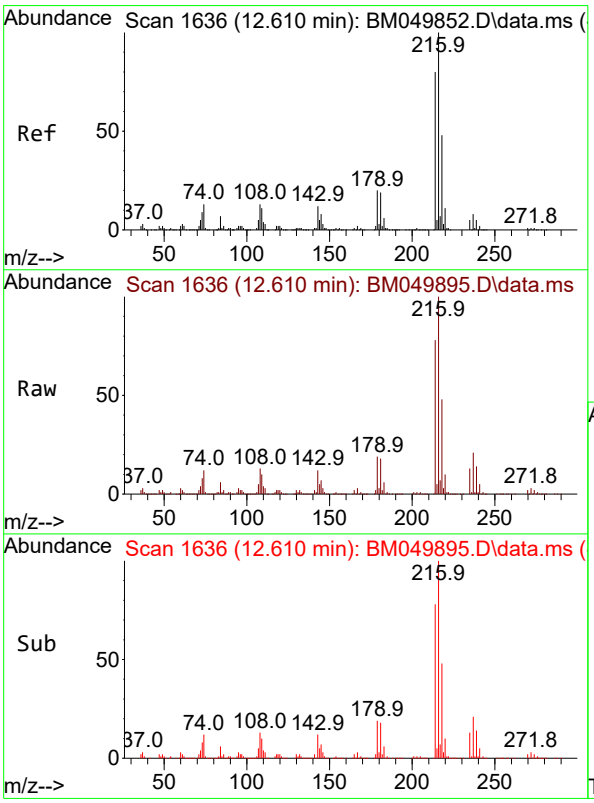
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.422 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Instrument :
BNA_M
ClientSampleId :
PB167544BS

Tgt Ion:164 Resp: 877536

Ion	Ratio	Lower	Upper
164	100		
162	98.7	79.4	119.0
160	43.9	36.2	54.2

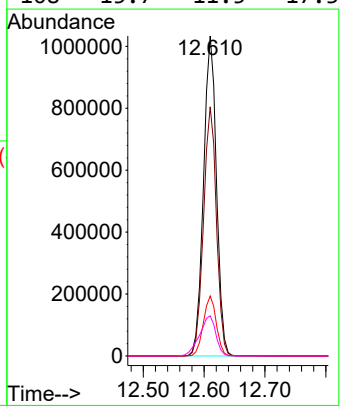


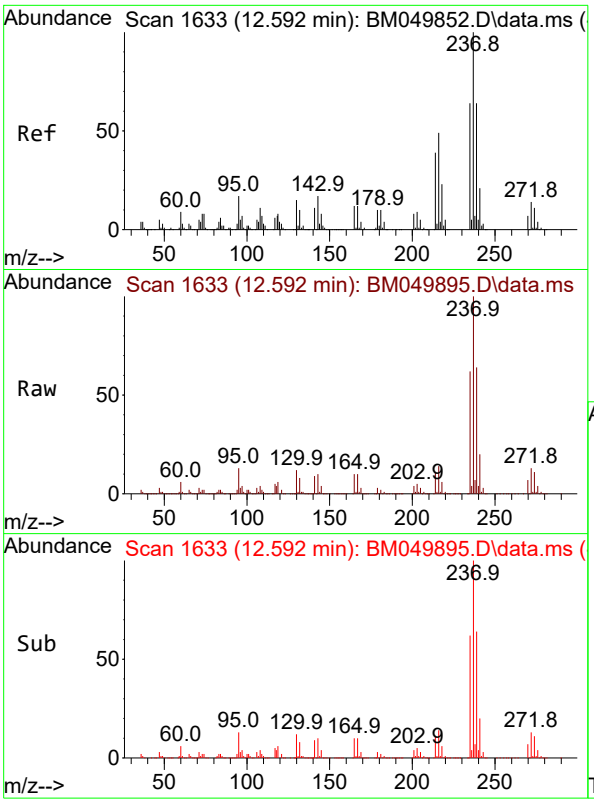


#40
1,2,4,5-Tetrachlorobenzene
Concen: 49.674 ng
RT: 12.610 min Scan# 1636
Delta R.T. 0.000 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Tgt Ion:216 Resp: 1524999

Ion	Ratio	Lower	Upper
216	100		
214	77.9	63.2	94.8
179	18.8	15.8	23.6
108	15.7	11.5	17.3



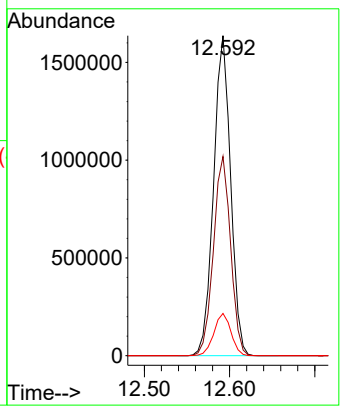


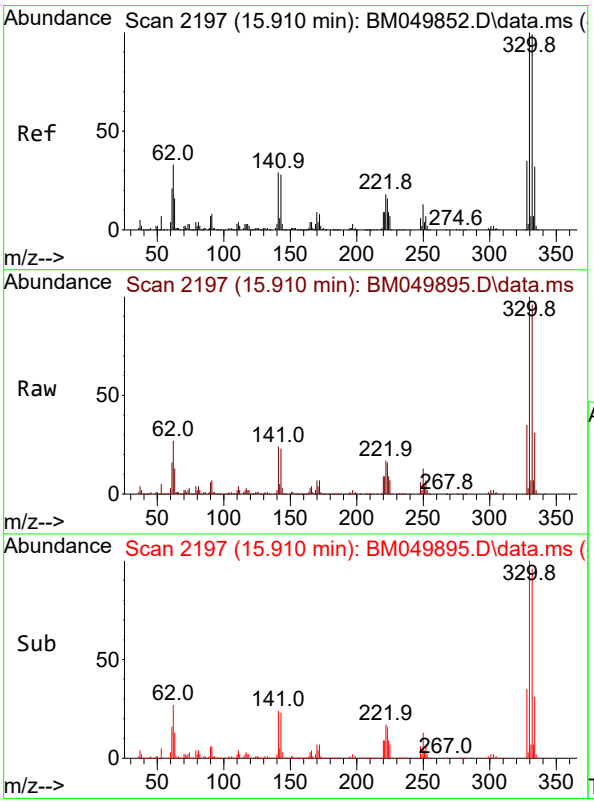
#41
Hexachlorocyclopentadiene
Concen: 210.973 ng
RT: 12.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Instrument :
BNA_M
ClientSampleId :
PB167544BS

Tgt Ion:237 Resp: 2269561

Ion	Ratio	Lower	Upper
237	100		
235	62.3	43.7	83.7
272	13.2	0.0	33.5

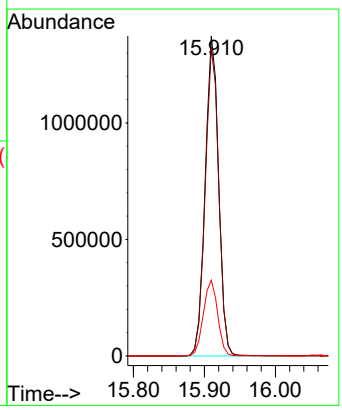


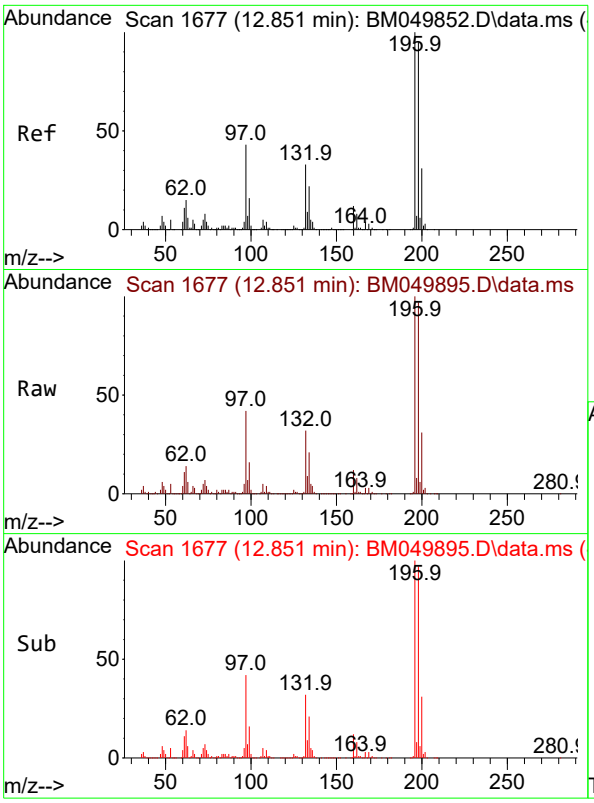


#42
2,4,6-Tribromophenol
Concen: 141.827 ng
RT: 15.910 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Tgt Ion:330 Resp: 1810286

Ion	Ratio	Lower	Upper
330	100		
332	96.9	78.0	117.0
141	25.1	23.5	35.3



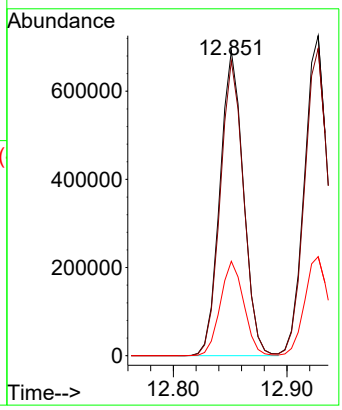


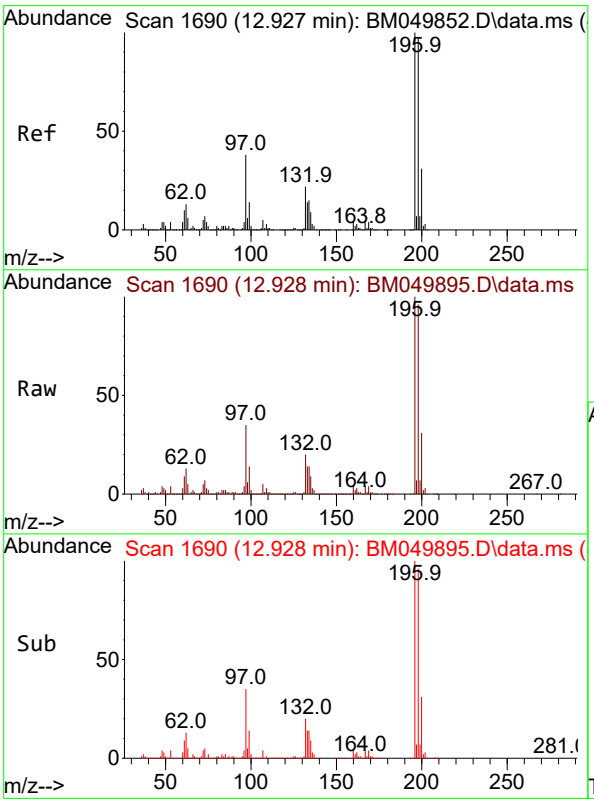
#43
2,4,6-Trichlorophenol
Concen: 50.873 ng
RT: 12.851 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Instrument :
BNA_M
ClientSampleId :
PB167544BS

Tgt Ion:196 Resp: 993843

Ion	Ratio	Lower	Upper
196	100		
198	96.7	76.1	114.1
200	31.0	24.7	37.1

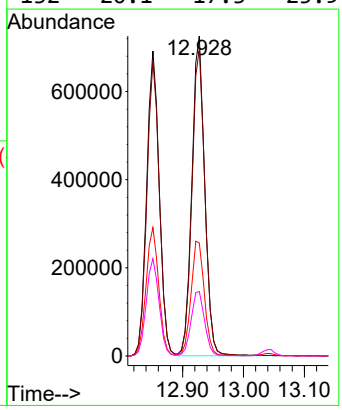


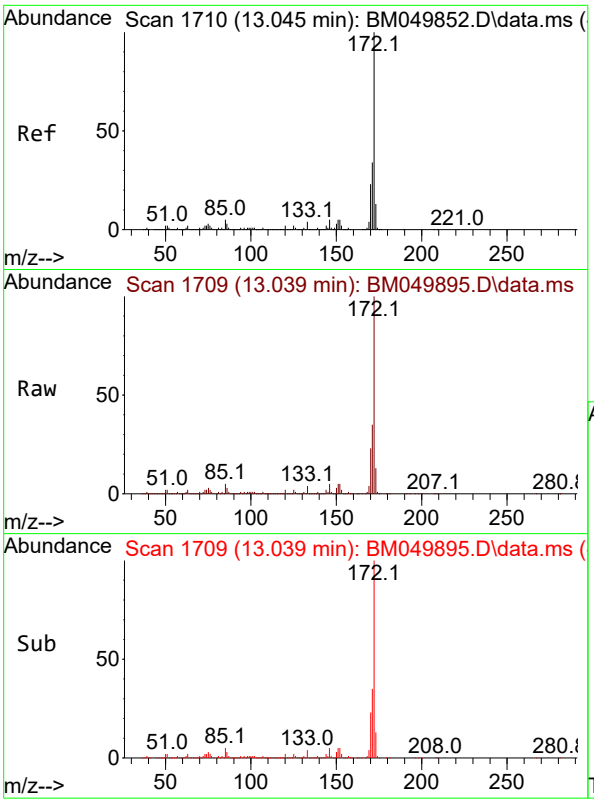


#44
2,4,5-Trichlorophenol
Concen: 50.073 ng
RT: 12.928 min Scan# 1690
Delta R.T. 0.000 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Tgt Ion:196 Resp: 1063039

Ion	Ratio	Lower	Upper
196	100		
198	96.0	77.7	116.5
97	35.3	30.3	45.5
132	20.1	17.3	25.9



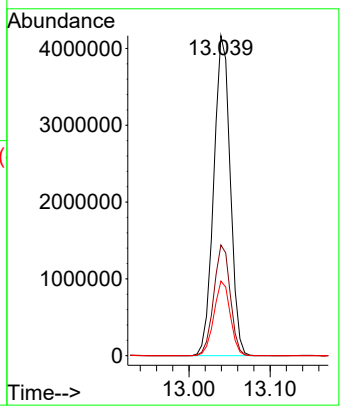


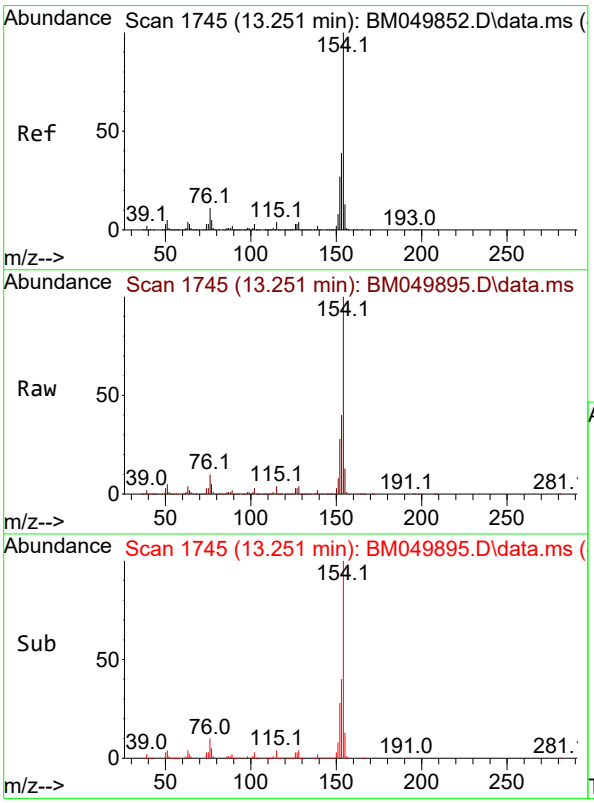
#45
2-Fluorobiphenyl
Concen: 90.938 ng
RT: 13.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Instrument :
BNA_M
ClientSampleId :
PB167544BS

Tgt Ion:172 Resp: 5885004

Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.4	41.2
170	23.3	18.6	28.0

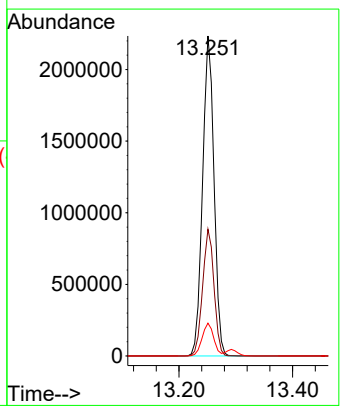


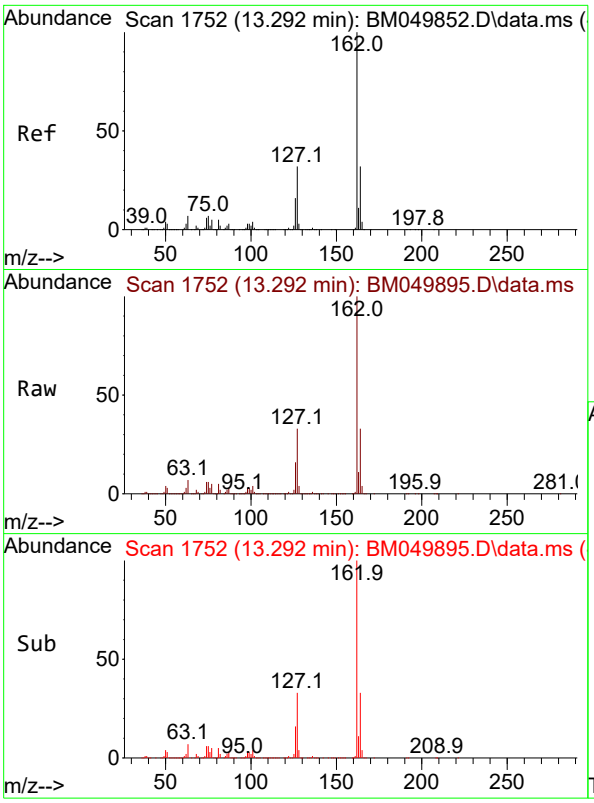


#46
1,1'-Biphenyl
Concen: 47.704 ng
RT: 13.251 min Scan# 1745
Delta R.T. 0.000 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Tgt Ion:154 Resp: 3111862

Ion	Ratio	Lower	Upper
154	100		
153	39.6	19.3	59.3
76	10.3	0.0	30.7



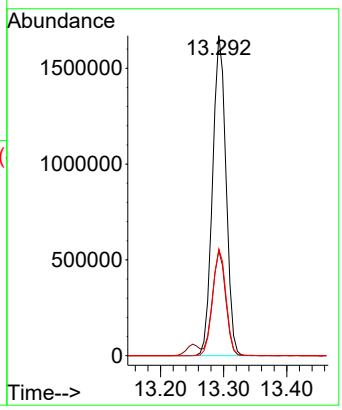


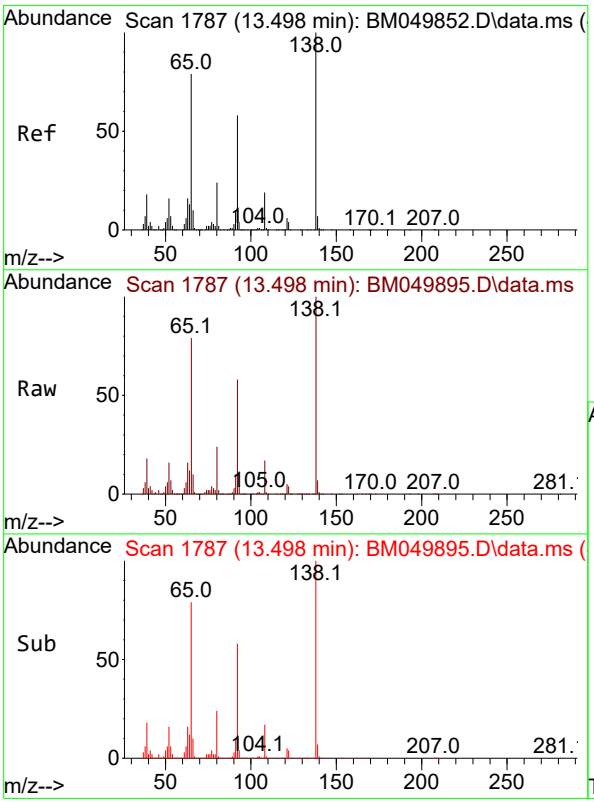
#47
2-Chloronaphthalene
Concen: 48.107 ng
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Instrument :
BNA_M
ClientSampleId :
PB167544BS

Tgt Ion:162 Resp: 2466554

Ion	Ratio	Lower	Upper
162	100		
127	32.8	26.0	39.0
164	33.4	25.9	38.9

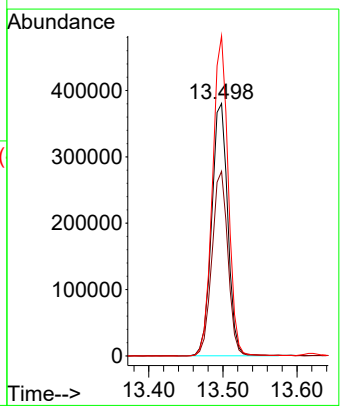


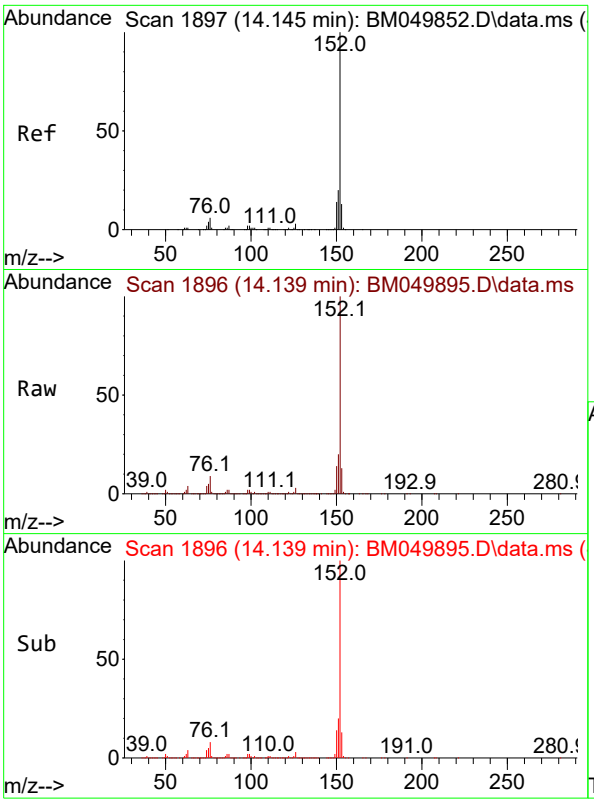


#48
2-Nitroaniline
Concen: 48.263 ng
RT: 13.498 min Scan# 1787
Delta R.T. 0.000 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Tgt Ion: 65 Resp: 572474

Ion	Ratio	Lower	Upper
65	100		
92	73.1	58.4	87.6
138	126.8	100.8	151.2



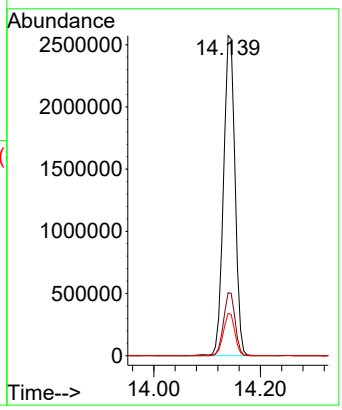


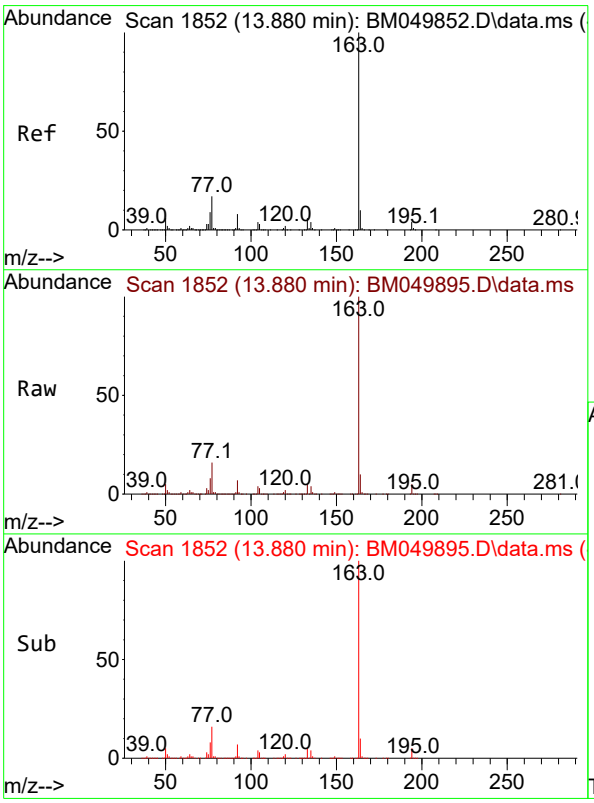
#49
Acenaphthylene
Concen: 51.554 ng
RT: 14.139 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Instrument :
BNA_M
ClientSampleId :
PB167544BS

Tgt Ion:152 Resp: 3850334

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.7	23.5
153	13.3	10.4	15.6

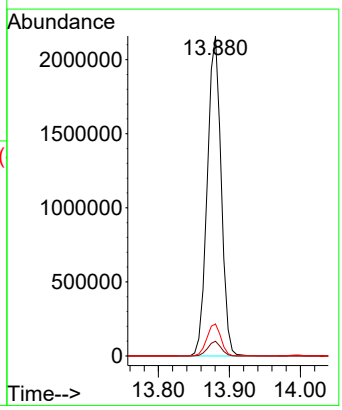


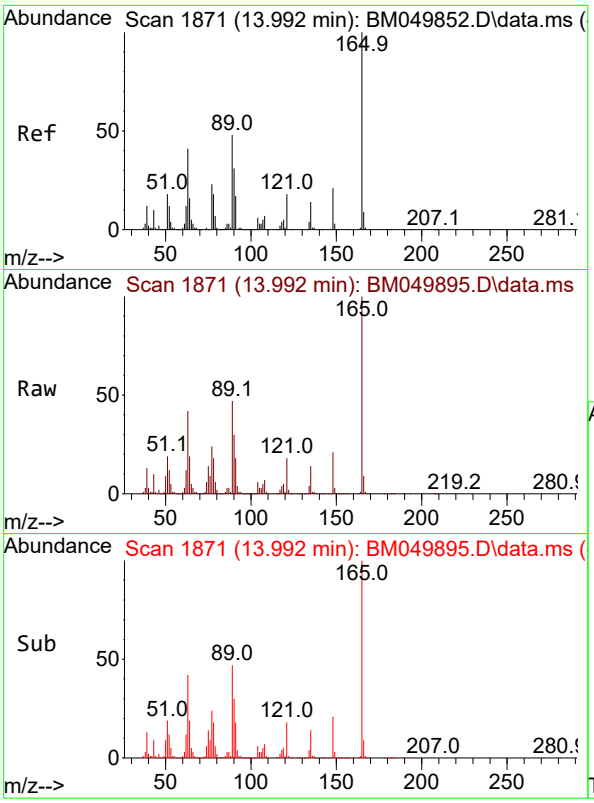


#50
Dimethylphthalate
Concen: 47.195 ng
RT: 13.880 min Scan# 1852
Delta R.T. 0.000 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Tgt Ion:163 Resp: 2921813

Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.5	5.3
164	10.0	7.9	11.9



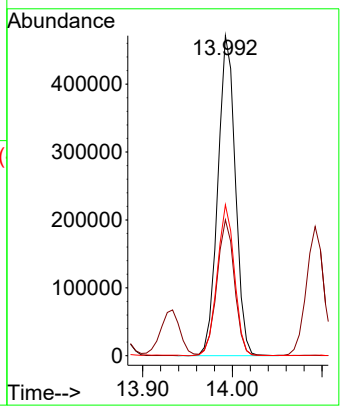


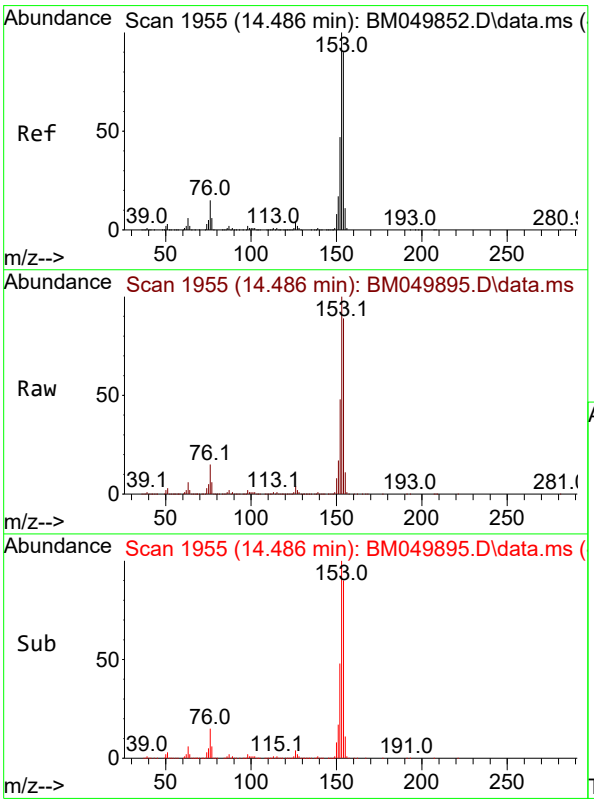
#51
2,6-Dinitrotoluene
Concen: 49.142 ng
RT: 13.992 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Instrument :
BNA_M
ClientSampleId :
PB167544BS

Tgt Ion:165 Resp: 637404

Ion	Ratio	Lower	Upper
165	100		
63	42.4	36.1	54.1
89	47.1	38.3	57.5

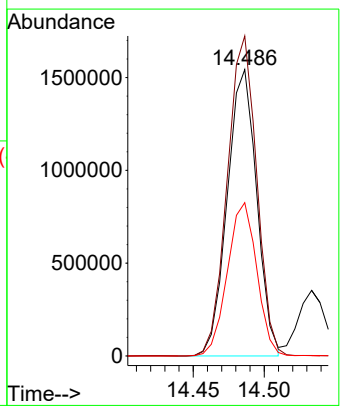


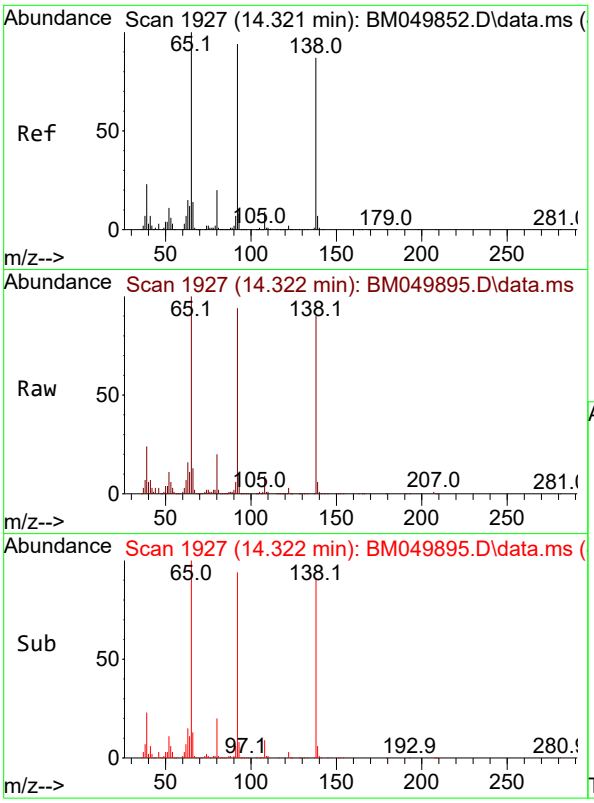


#52
Acenaphthene
Concen: 46.861 ng
RT: 14.486 min Scan# 1955
Delta R.T. 0.000 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Tgt Ion:154 Resp: 2226216

Ion	Ratio	Lower	Upper
154	100		
153	111.7	89.3	133.9
152	53.5	42.2	63.2



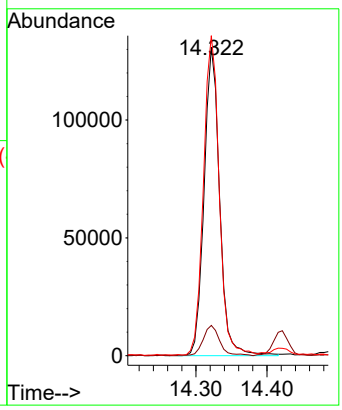


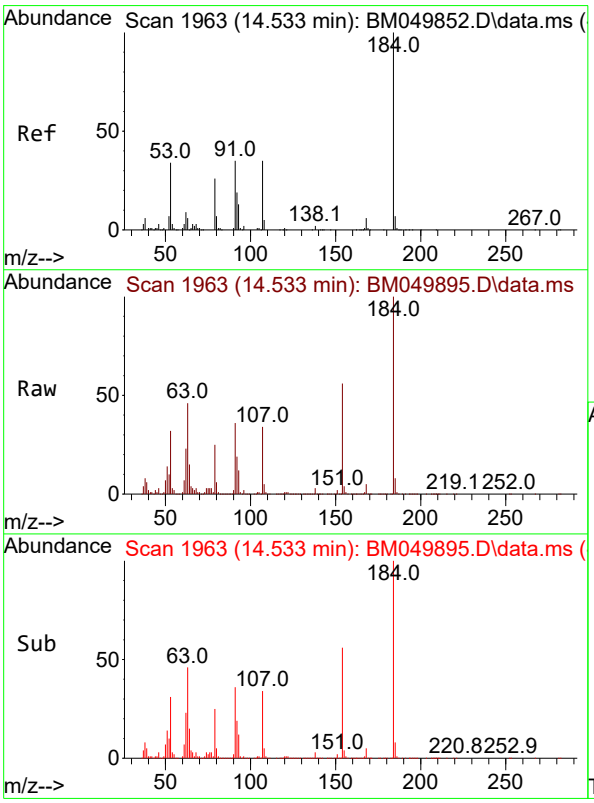
#53
3-Nitroaniline
Concen: 15.922 ng
RT: 14.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Instrument :
BNA_M
ClientSampleId :
PB167544BS

Tgt Ion:138 Resp: 199597

Ion	Ratio	Lower	Upper
138	100		
108	9.8	8.1	12.1
92	103.7	86.5	129.7

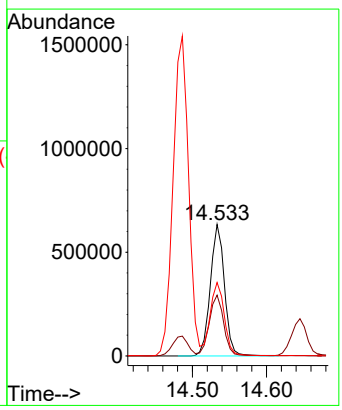


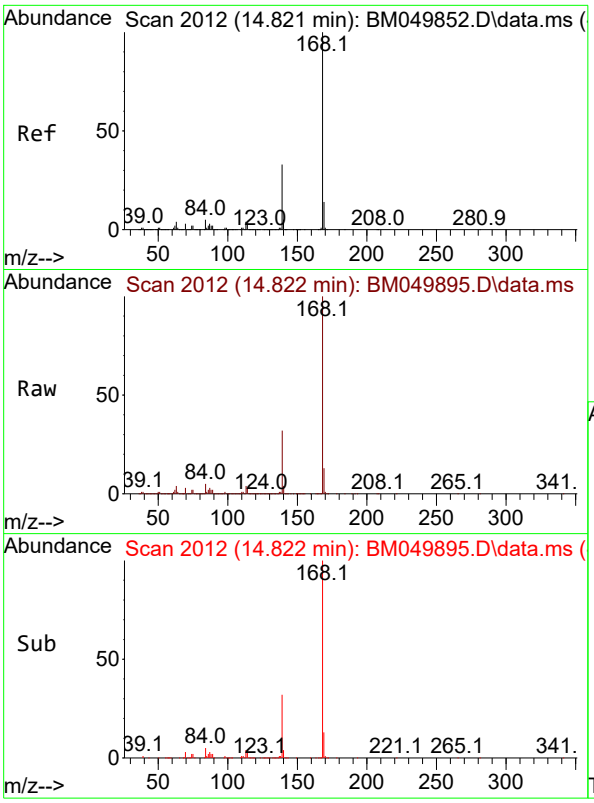


#54
2,4-Dinitrophenol
Concen: 88.671 ng
RT: 14.533 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Tgt Ion:184 Resp: 840990

Ion	Ratio	Lower	Upper
184	100		
63	46.2	38.4	57.6
154	55.8	48.1	72.1



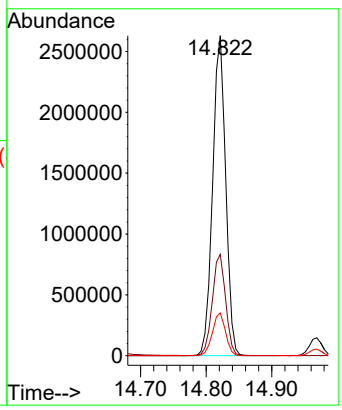


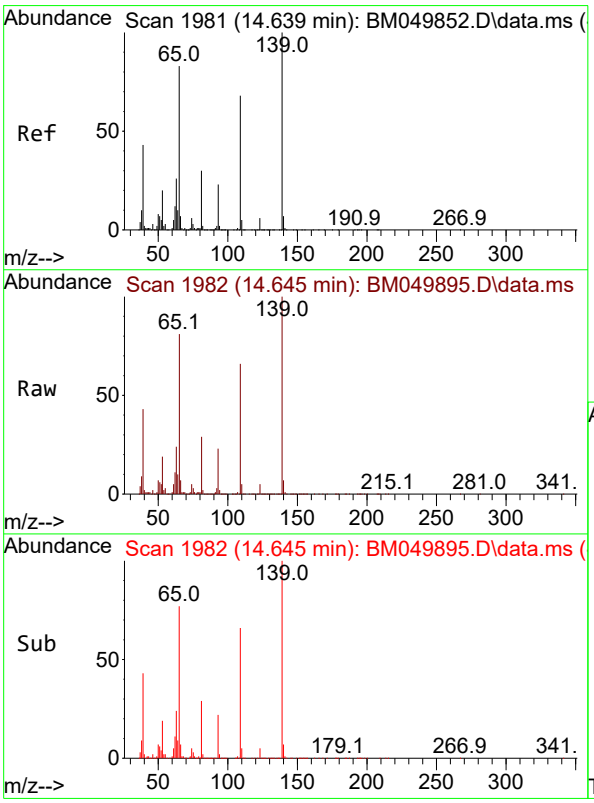
#55
Dibenzofuran
Concen: 45.643 ng
RT: 14.822 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Instrument :
BNA_M
ClientSampleId :
PB167544BS

Tgt Ion:168 Resp: 3624814

Ion	Ratio	Lower	Upper
168	100		
139	31.7	26.6	39.8
169	13.3	11.0	16.4

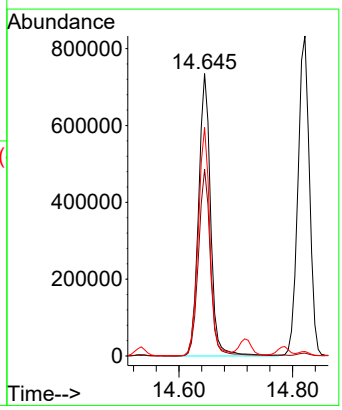


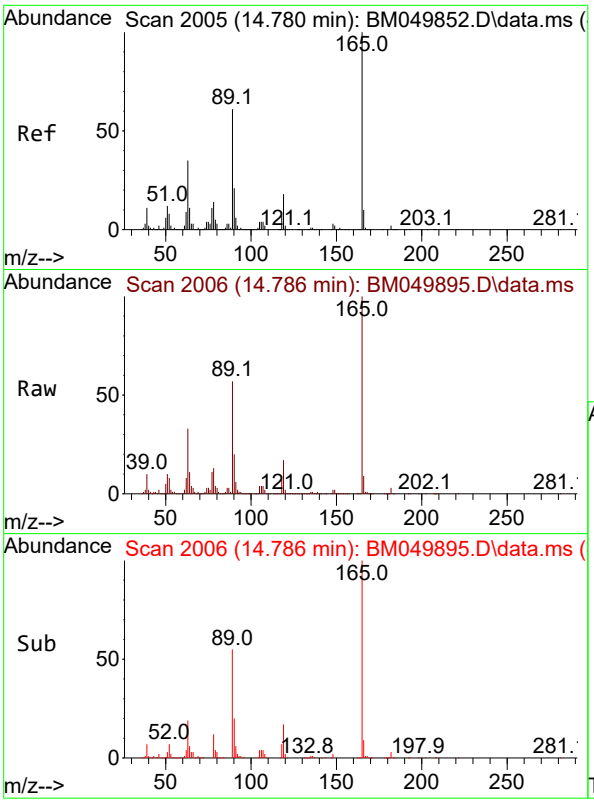


#56
4-Nitrophenol
Concen: 96.864 ng
RT: 14.645 min Scan# 1982
Delta R.T. 0.006 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Tgt Ion:139 Resp: 1082119

Ion	Ratio	Lower	Upper
139	100		
109	66.1	47.9	87.9
65	80.9	62.7	102.7



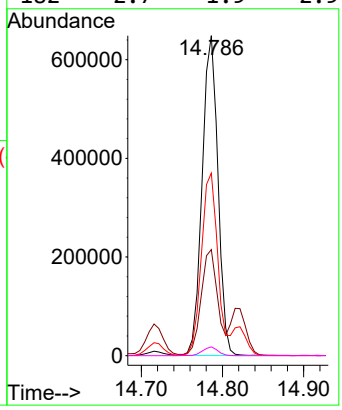


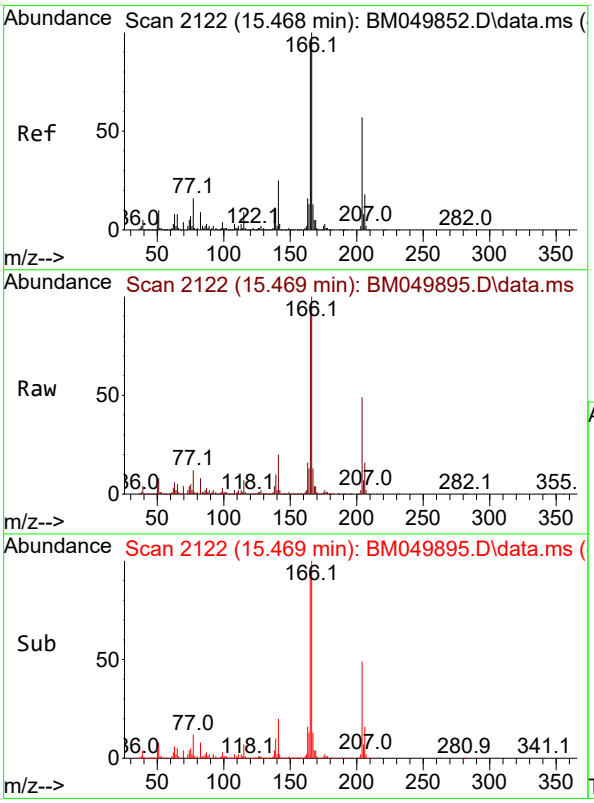
#57
2,4-Dinitrotoluene
Concen: 50.471 ng
RT: 14.786 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Instrument :
BNA_M
ClientSampleId :
PB167544BS

Tgt Ion:165 Resp: 873350

Ion	Ratio	Lower	Upper
165	100		
63	33.2	28.6	42.8
89	57.1	49.0	73.6
182	2.7	1.9	2.9

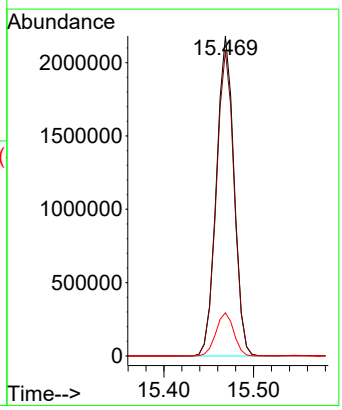


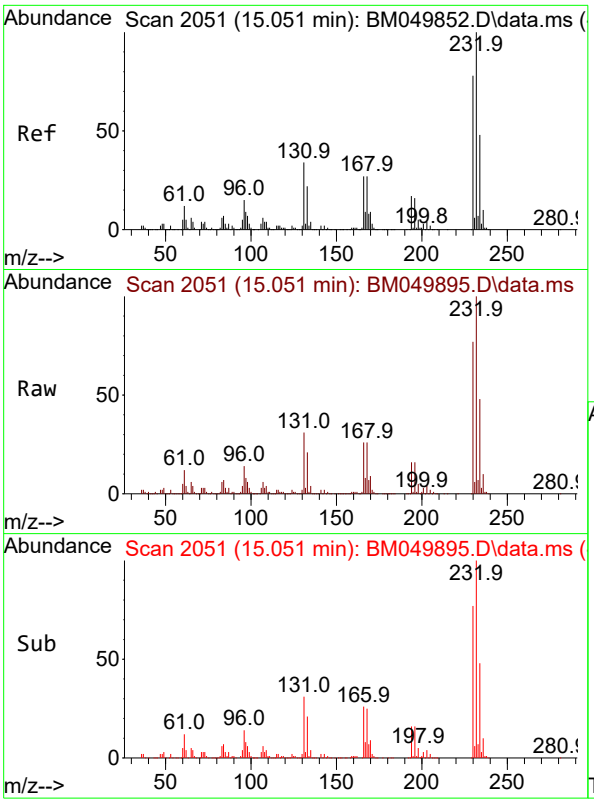


#58
Fluorene
Concen: 47.037 ng
RT: 15.469 min Scan# 2122
Delta R.T. 0.000 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Tgt Ion:166 Resp: 2969299

Ion	Ratio	Lower	Upper
166	100		
165	95.3	76.3	114.5
167	13.5	10.7	16.1



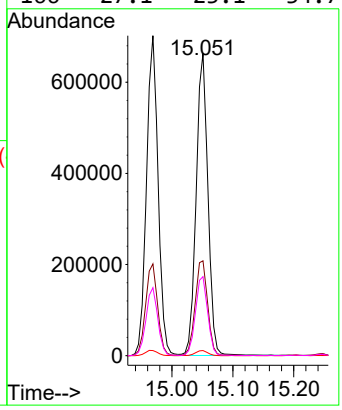


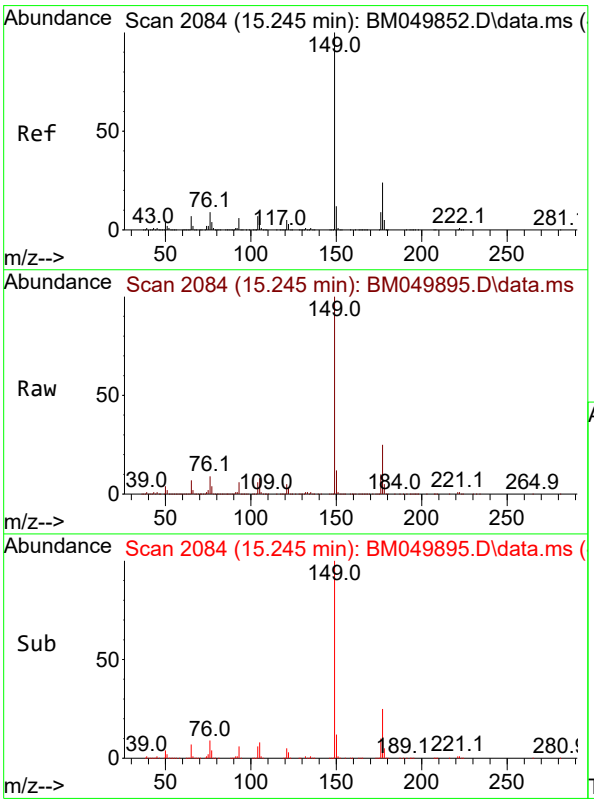
#59
2,3,4,6-Tetrachlorophenol
Concen: 47.802 ng
RT: 15.051 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Instrument :
BNA_M
ClientSampleId :
PB167544BS

Tgt Ion:232 Resp: 889457

Ion	Ratio	Lower	Upper
232	100		
131	33.2	28.4	42.6
130	1.8	1.6	2.4
166	27.1	23.1	34.7

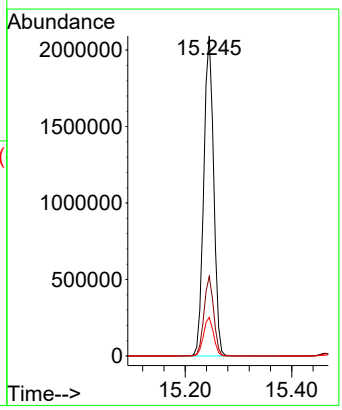


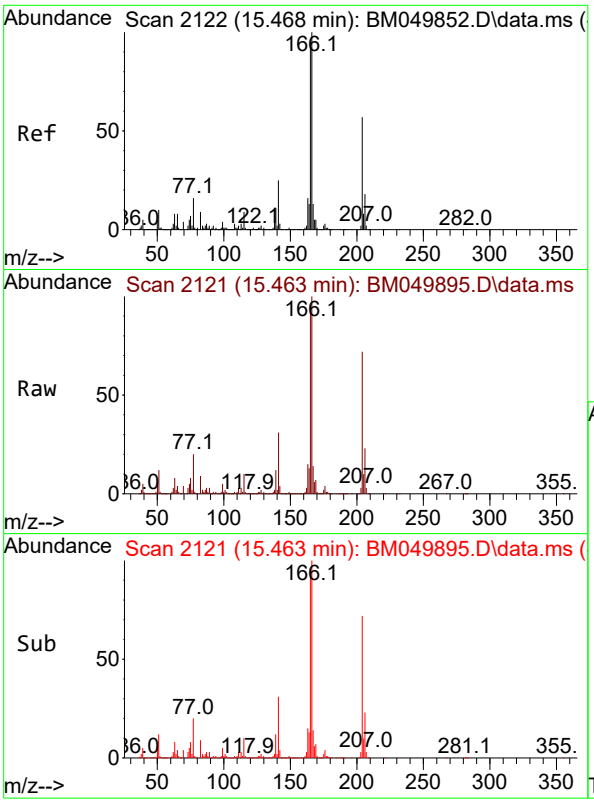


#60
Diethylphthalate
Concen: 45.429 ng
RT: 15.245 min Scan# 2084
Delta R.T. 0.000 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Tgt Ion:149 Resp: 2697088

Ion	Ratio	Lower	Upper
149	100		
177	24.8	19.0	28.4
150	12.1	9.7	14.5



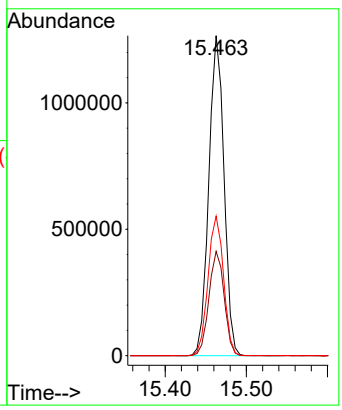


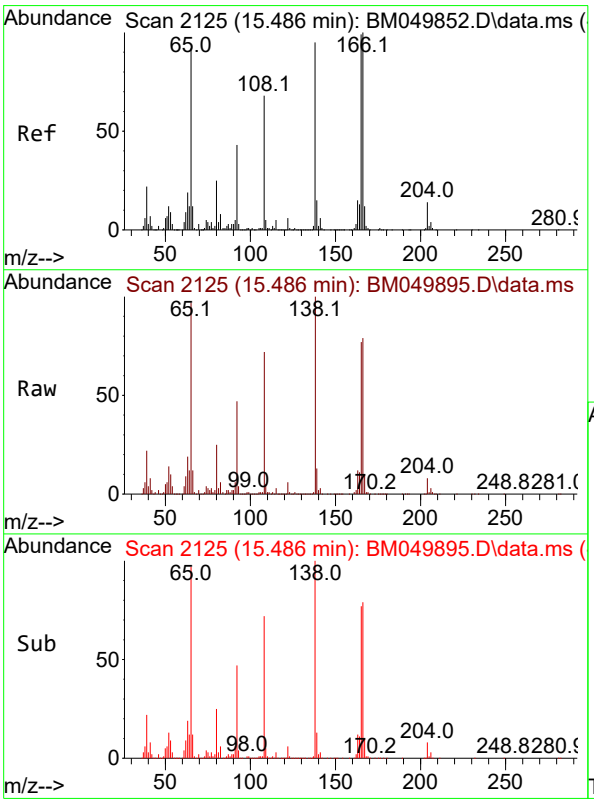
#61
4-Chlorophenyl-phenylether
Concen: 48.498 ng
RT: 15.463 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Instrument :
BNA_M
ClientSampleId :
PB167544BS

Tgt Ion:204 Resp: 1641405

Ion	Ratio	Lower	Upper
204	100		
206	32.6	26.2	39.2
141	43.6	35.0	52.6

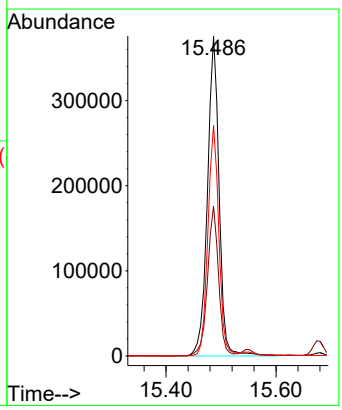


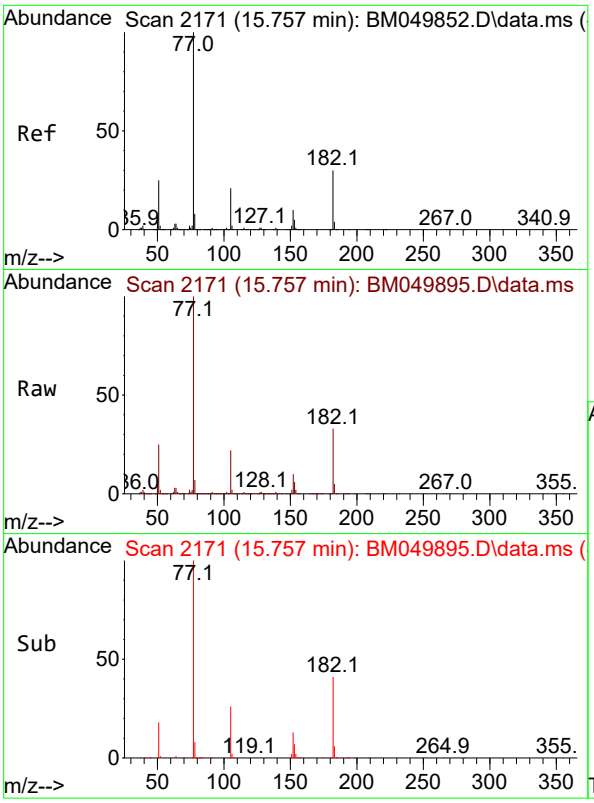


#62
4-Nitroaniline
Concen: 42.755 ng
RT: 15.486 min Scan# 2125
Delta R.T. 0.000 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Tgt Ion:138 Resp: 554288

Ion	Ratio	Lower	Upper
138	100		
92	46.8	24.9	64.9
108	72.1	51.7	91.7



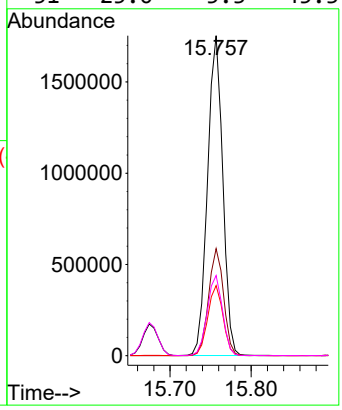


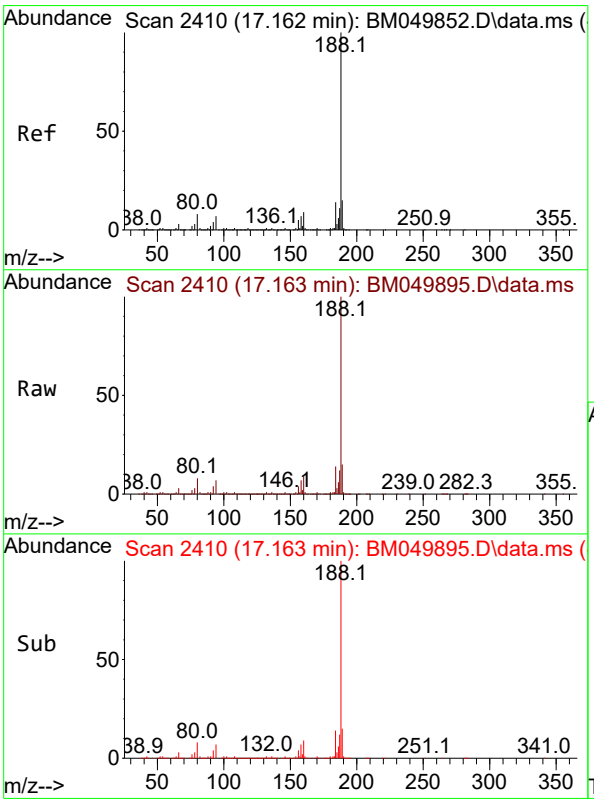
#63
Azobenzene
Concen: 44.818 ng
RT: 15.757 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Instrument :
BNA_M
ClientSampleId :
PB167544BS

Tgt Ion: 77 Resp: 2278073

Ion	Ratio	Lower	Upper
77	100		
182	33.5	10.4	50.4
105	21.9	1.5	41.5
51	25.0	5.3	45.3

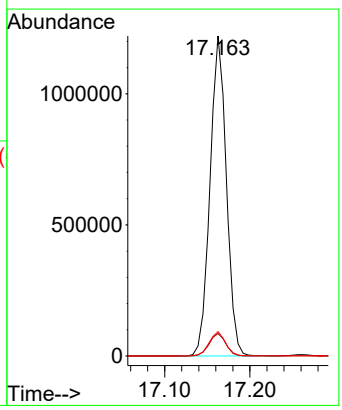


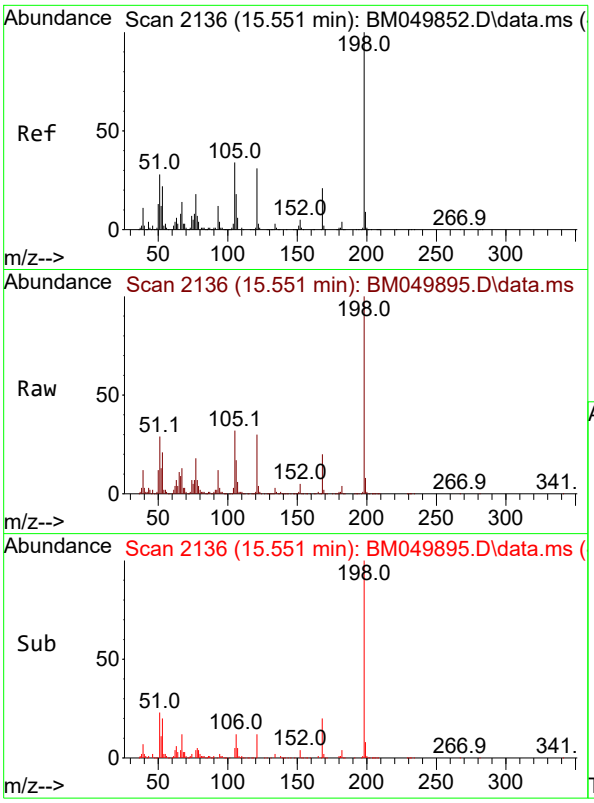


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.163 min Scan# 2410
Delta R.T. 0.000 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Tgt Ion:188 Resp: 1626496

Ion	Ratio	Lower	Upper
188	100		
94	7.0	5.8	8.6
80	7.6	6.4	9.6



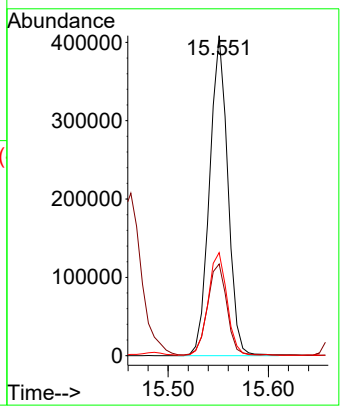


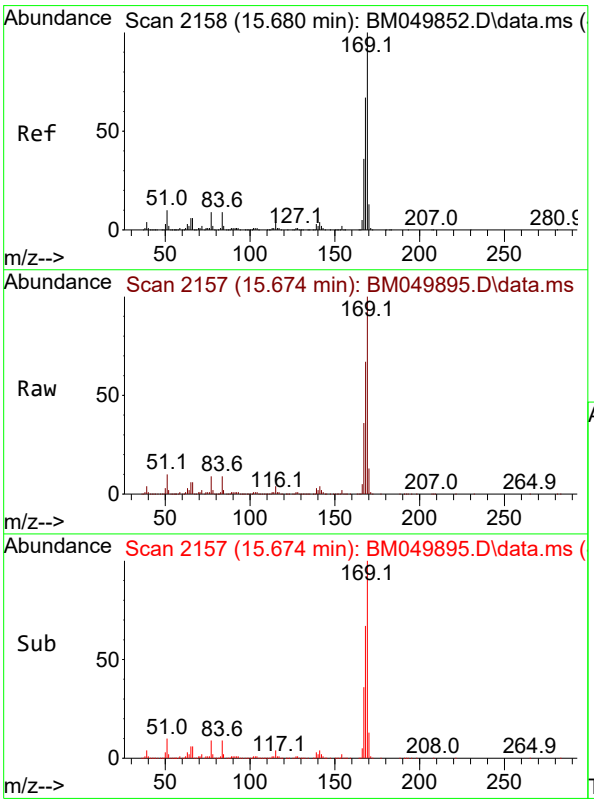
#65
4,6-Dinitro-2-methylphenol
Concen: 50.477 ng
RT: 15.551 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Instrument :
BNA_M
ClientSampleId :
PB167544BS

Tgt Ion:198 Resp: 517365

Ion	Ratio	Lower	Upper
198	100		
51	28.6	9.6	49.6
105	32.2	14.7	54.7

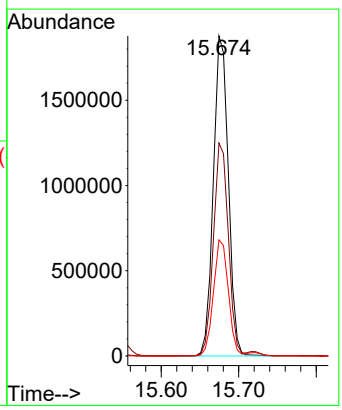


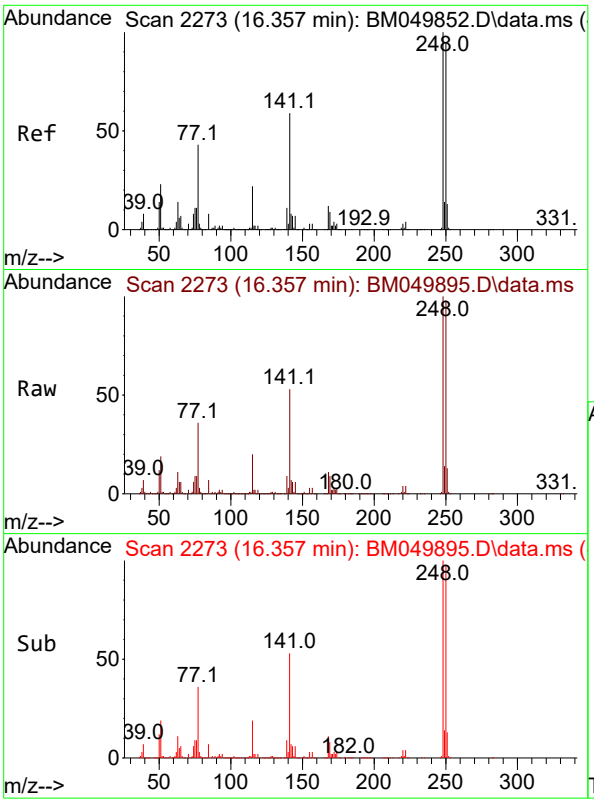


#66
n-Nitrosodiphenylamine
Concen: 51.727 ng
RT: 15.674 min Scan# 2157
Delta R.T. -0.006 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Tgt Ion:169 Resp: 2517787

Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.4	80.2
167	36.3	29.0	43.6



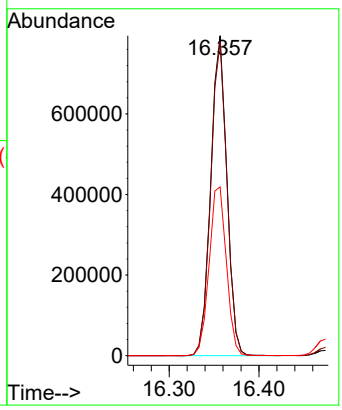


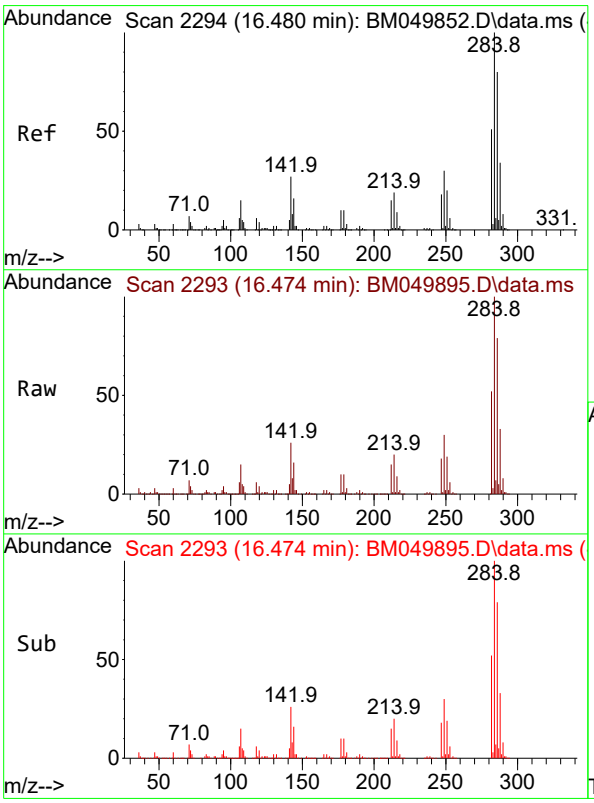
#67
4-Bromophenyl-phenylether
Concen: 52.569 ng
RT: 16.357 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Instrument :
BNA_M
ClientSampleId :
PB167544BS

Tgt Ion:248 Resp: 992589

Ion	Ratio	Lower	Upper
248	100		
250	98.0	76.2	114.2
141	52.8	47.3	70.9

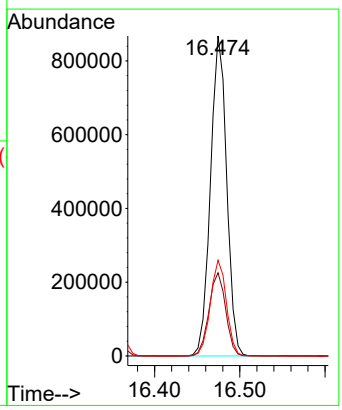


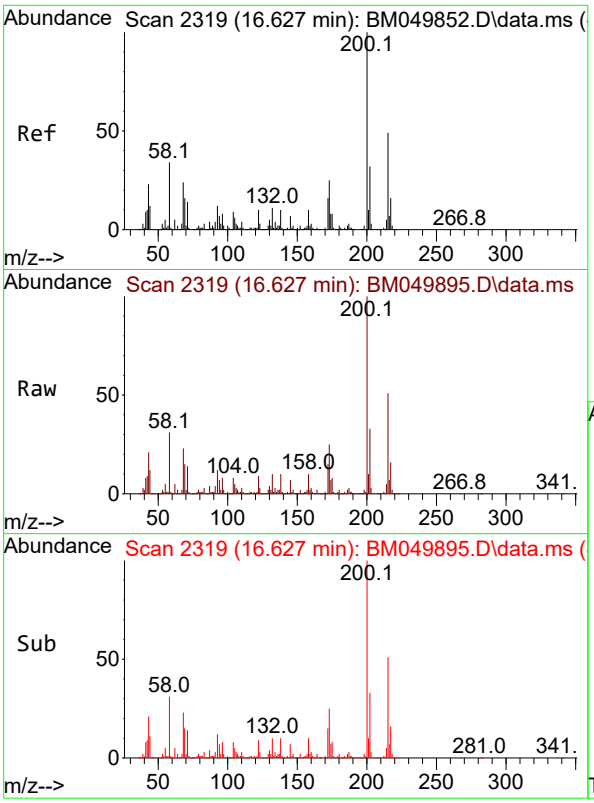


#68
Hexachlorobenzene
Concen: 52.850 ng
RT: 16.474 min Scan# 2293
Delta R.T. -0.006 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Tgt Ion:284 Resp: 1144611

Ion	Ratio	Lower	Upper
284	100		
142	26.0	21.2	31.8
249	29.9	24.1	36.1



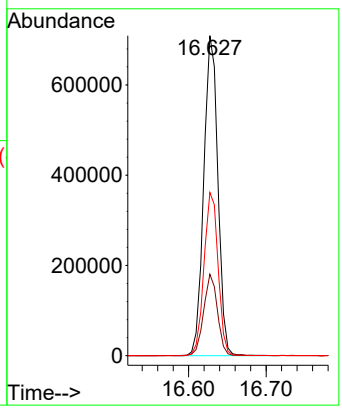


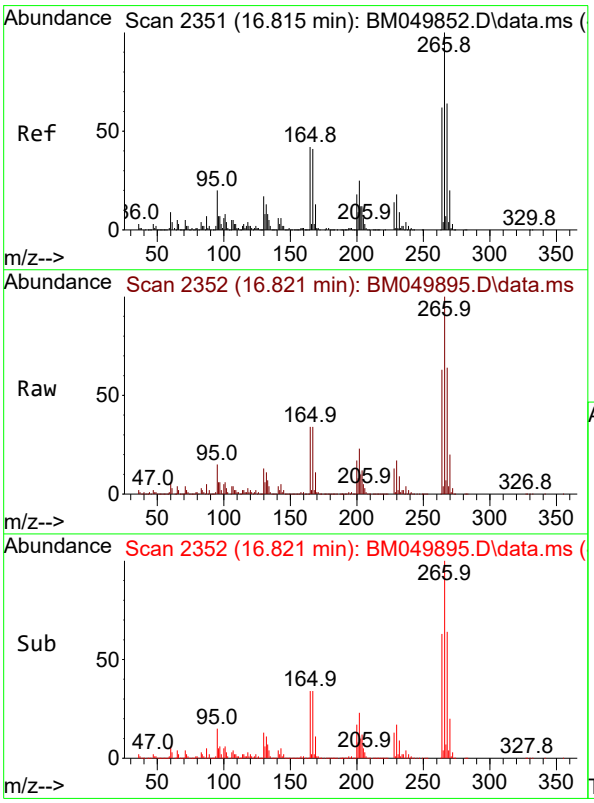
#69
Atrazine
Concen: 71.125 ng
RT: 16.627 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Instrument :
BNA_M
ClientSampleId :
PB167544BS

Tgt Ion:200 Resp: 897636

Ion	Ratio	Lower	Upper
200	100		
173	25.4	5.4	45.4
215	51.0	29.0	69.0

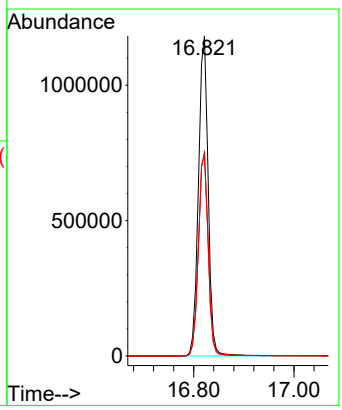


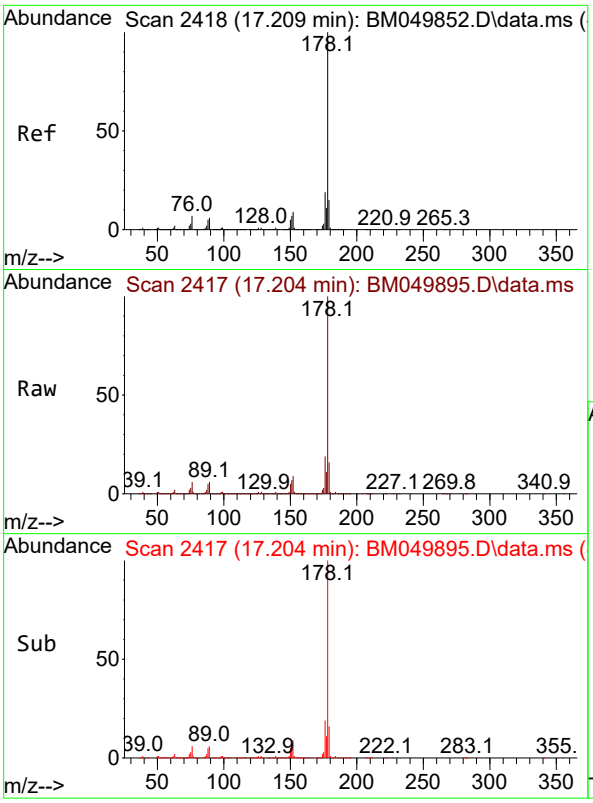


#70
Pentachlorophenol
Concen: 99.471 ng
RT: 16.821 min Scan# 2352
Delta R.T. 0.006 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Tgt Ion:266 Resp: 1586046

Ion	Ratio	Lower	Upper
266	100		
268	63.6	51.4	77.2
264	63.1	49.8	74.8



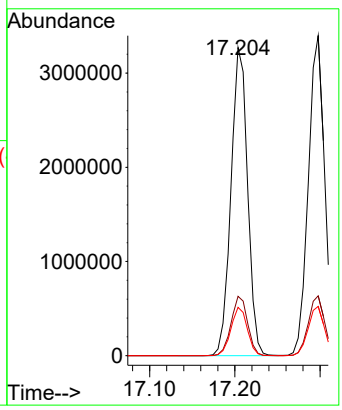


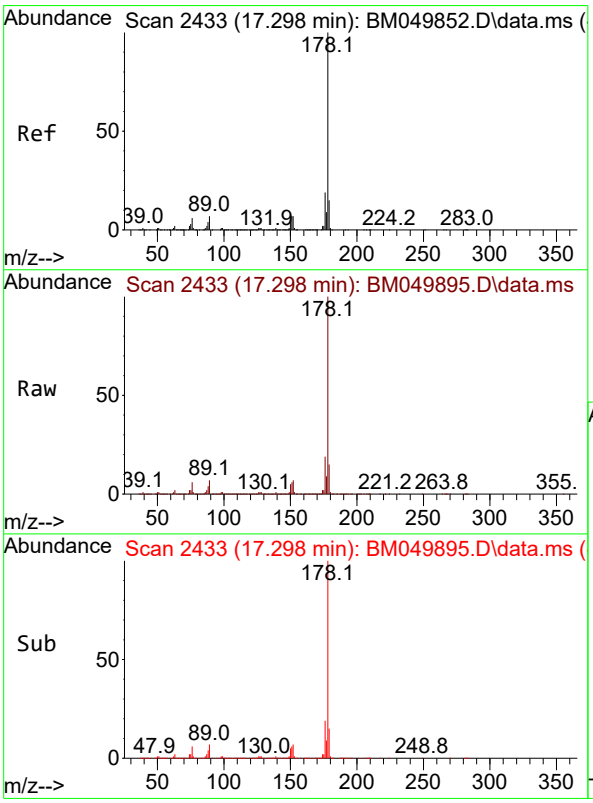
#71
Phenanthrene
Concen: 49.666 ng
RT: 17.204 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Instrument :
BNA_M
ClientSampleId :
PB167544BS

Tgt Ion:178 Resp: 4428726

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.7	12.3	18.5

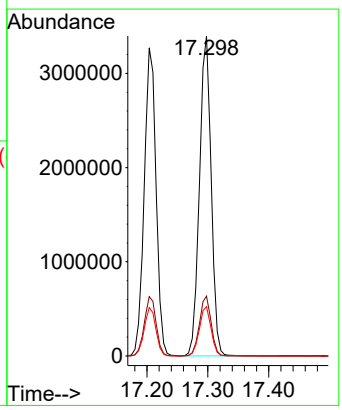


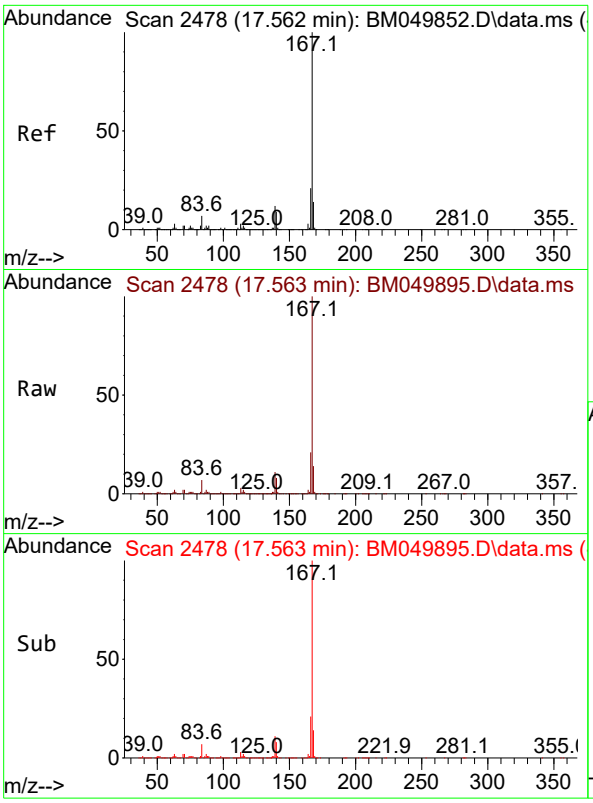


#72
Anthracene
Concen: 51.566 ng
RT: 17.298 min Scan# 2433
Delta R.T. 0.000 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Tgt Ion:178 Resp: 4531449

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.1	22.7
179	15.4	12.4	18.6



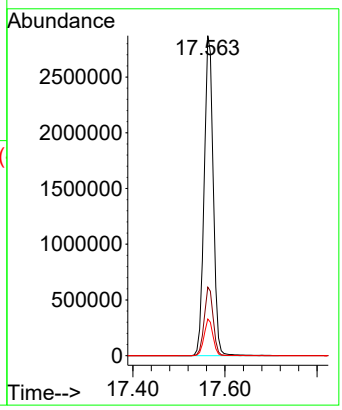


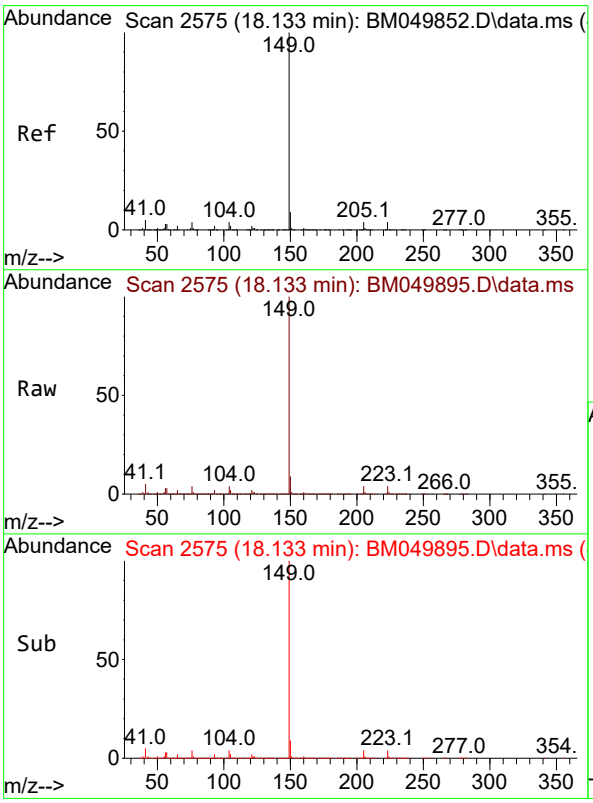
#73
Carbazole
Concen: 47.823 ng
RT: 17.563 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Instrument :
BNA_M
ClientSampleId :
PB167544BS

Tgt Ion:167 Resp: 3958225

Ion	Ratio	Lower	Upper
167	100		
166	21.4	16.9	25.3
139	11.5	9.3	13.9

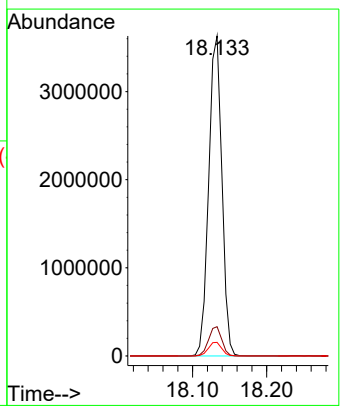


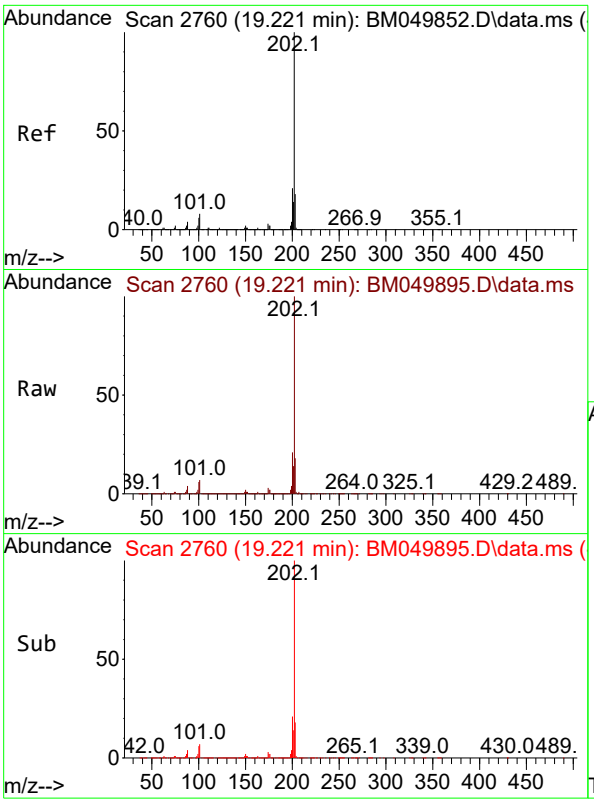


#74
Di-n-butylphthalate
Concen: 46.996 ng
RT: 18.133 min Scan# 2575
Delta R.T. 0.000 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Tgt Ion:149 Resp: 4480310

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.5	11.3
104	4.3	3.5	5.3



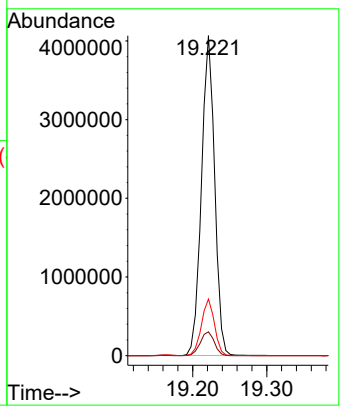


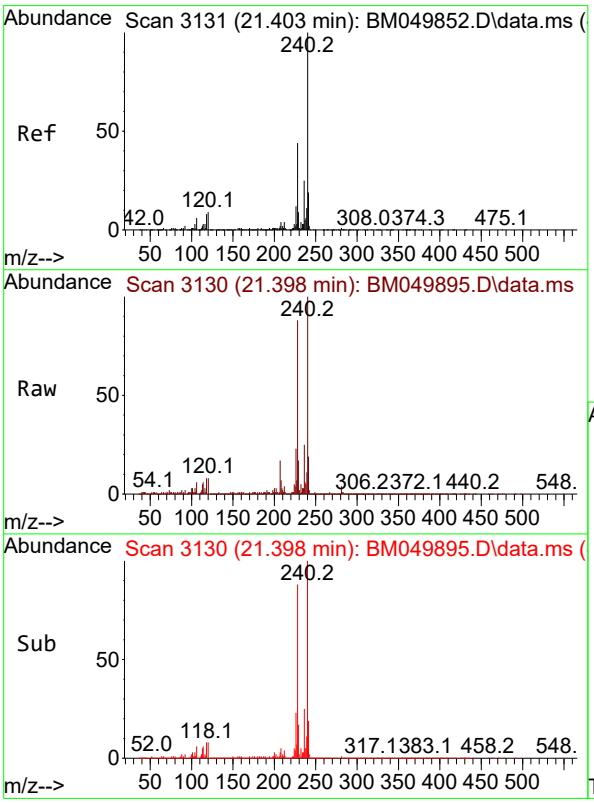
#75
Fluoranthene
Concen: 45.811 ng
RT: 19.221 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Instrument :
BNA_M
ClientSampleId :
PB167544BS

Tgt Ion:202 Resp: 5022697

Ion	Ratio	Lower	Upper
202	100		
101	7.5	0.0	28.4
203	17.7	0.0	37.8

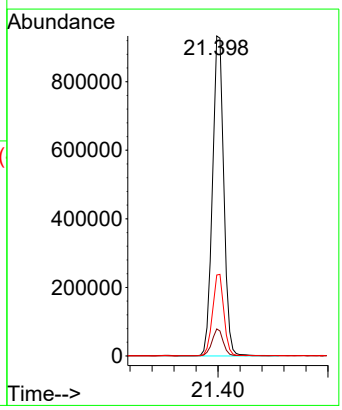


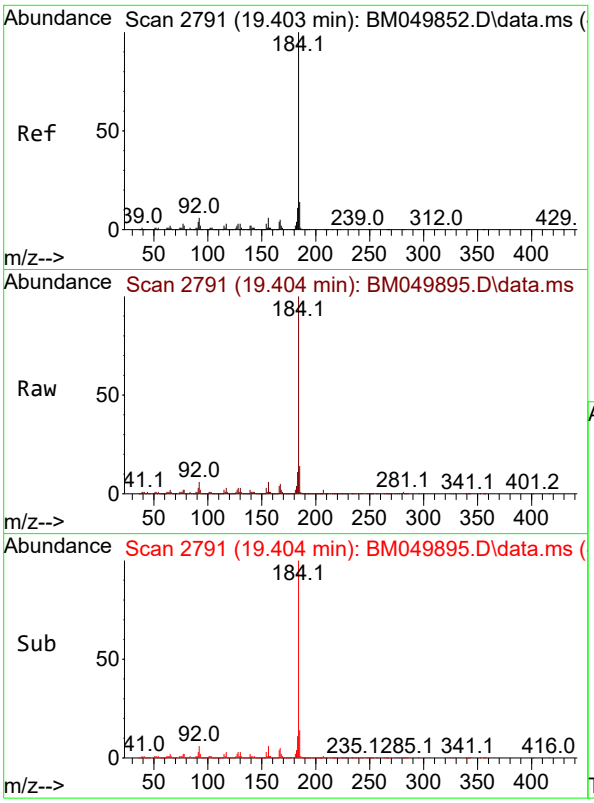


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.398 min Scan# 3130
Delta R.T. -0.006 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Tgt Ion:240 Resp: 1335581

Ion	Ratio	Lower	Upper
240	100		
120	8.5	6.9	10.3
236	25.3	20.4	30.6



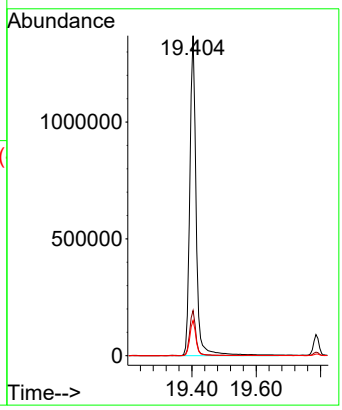


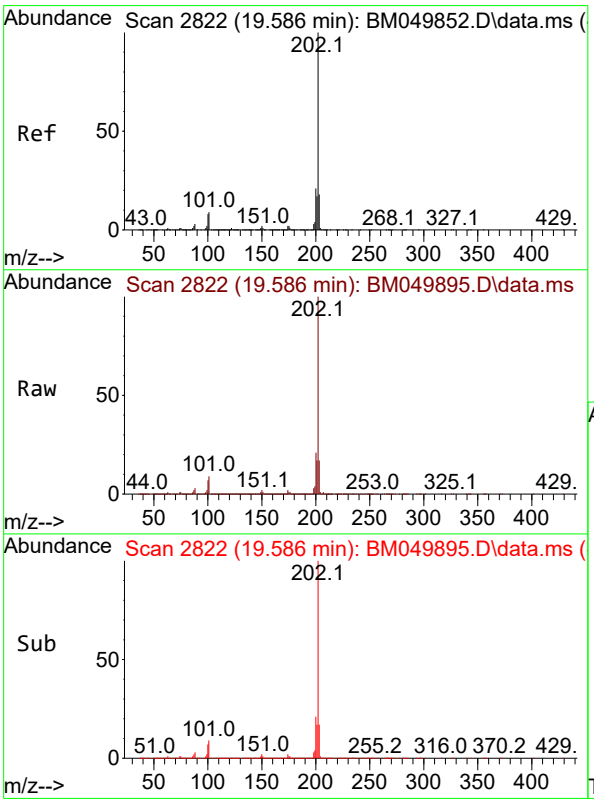
#77
Benzidine
Concen: 105.538 ng
RT: 19.404 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Instrument :
BNA_M
ClientSampleId :
PB167544BS

Tgt Ion:184 Resp: 1869956

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.4	17.2
183	11.0	8.8	13.2

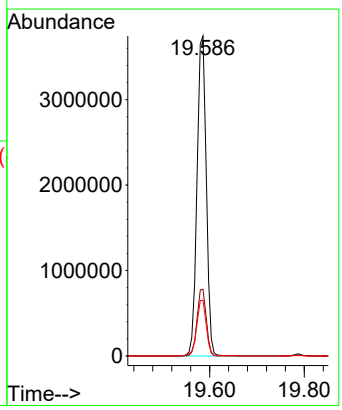


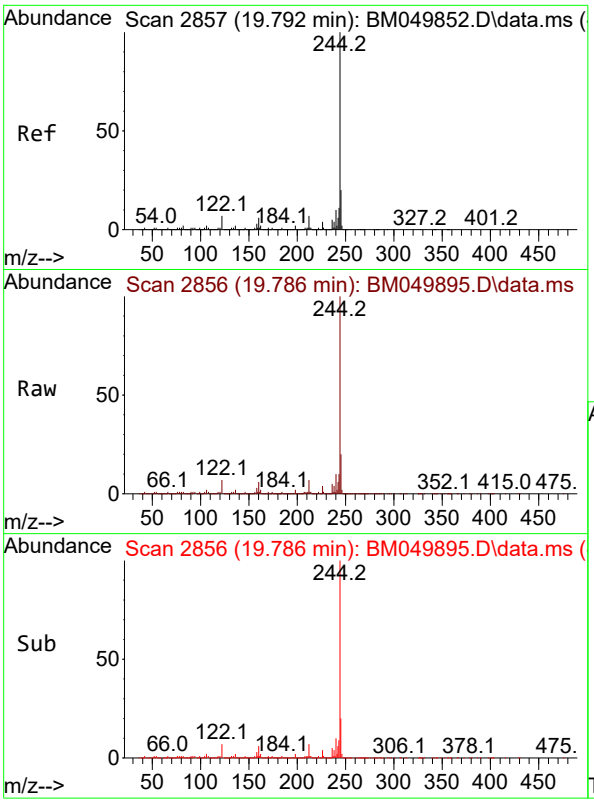


#78
Pyrene
Concen: 55.298 ng
RT: 19.586 min Scan# 2822
Delta R.T. 0.000 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Tgt Ion:202 Resp: 5089927

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.5	24.7
203	17.4	14.0	21.0



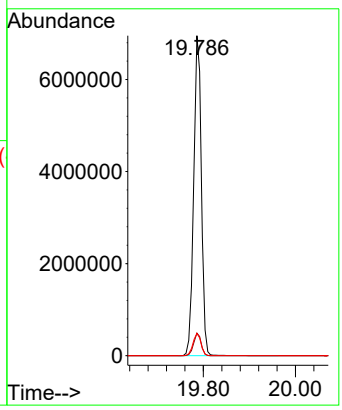


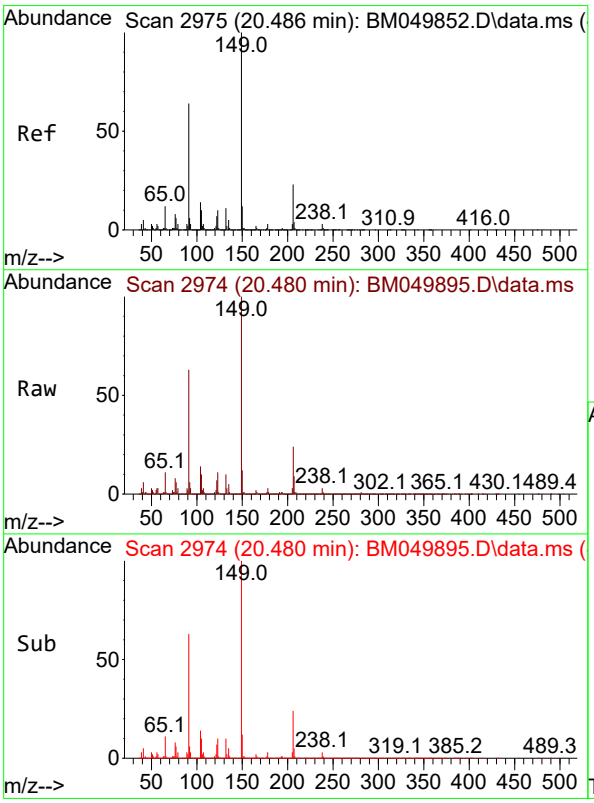
#79
Terphenyl-d14
Concen: 111.987 ng
RT: 19.786 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Instrument :
BNA_M
ClientSampleId :
PB167544BS

Tgt Ion:244 Resp: 7980954

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.5	8.3
122	6.9	5.4	8.0

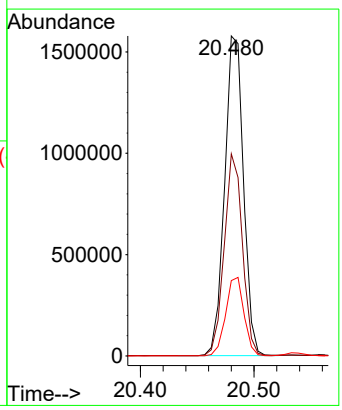


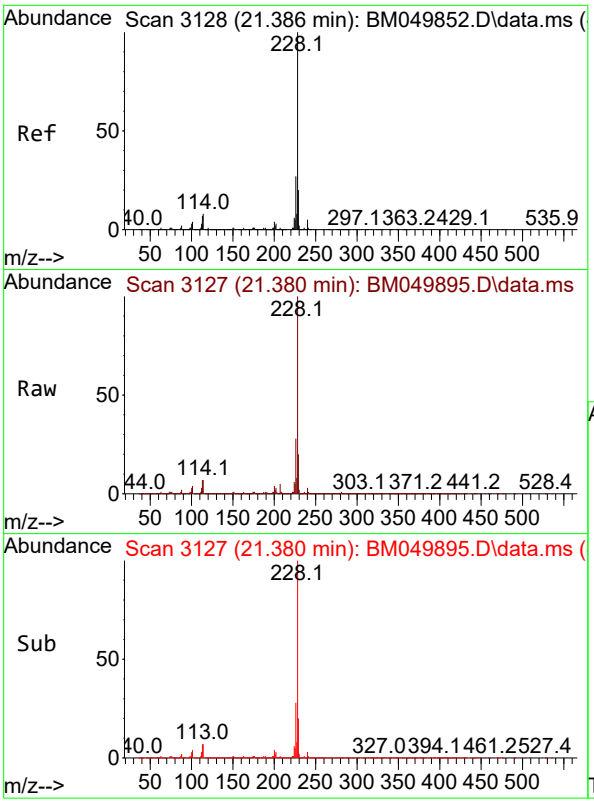


#80
Butylbenzylphthalate
Concen: 52.714 ng
RT: 20.480 min Scan# 2974
Delta R.T. -0.006 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Tgt Ion:149 Resp: 1823190

Ion	Ratio	Lower	Upper
149	100		
91	63.1	50.9	76.3
206	23.5	18.4	27.6



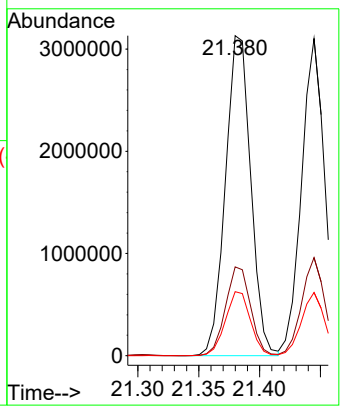


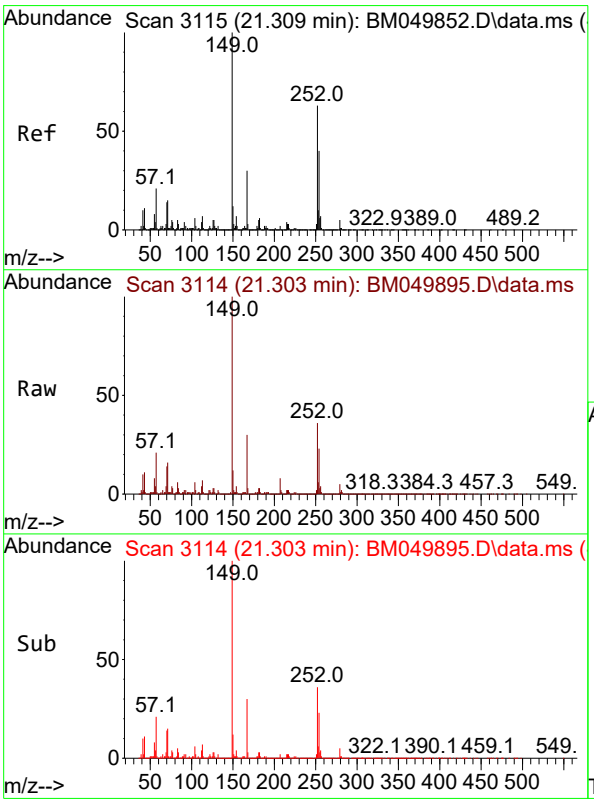
#81
Benzo(a)anthracene
Concen: 51.108 ng
RT: 21.380 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Instrument :
BNA_M
ClientSampleId :
PB167544BS

Tgt Ion:228 Resp: 4536466

Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.8	32.8
229	20.0	15.8	23.8

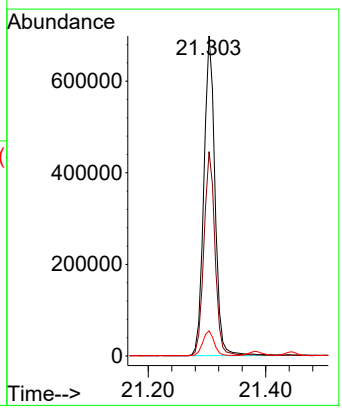


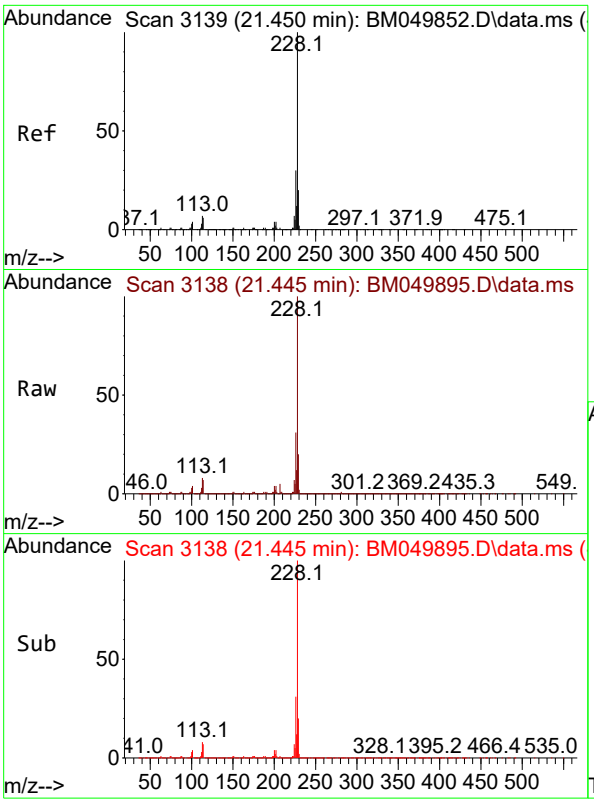


#82
3,3'-Dichlorobenzidine
Concen: 27.323 ng
RT: 21.303 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Tgt Ion:252 Resp: 915890

Ion	Ratio	Lower	Upper
252	100		
254	63.9	51.5	77.3
126	7.8	6.3	9.5



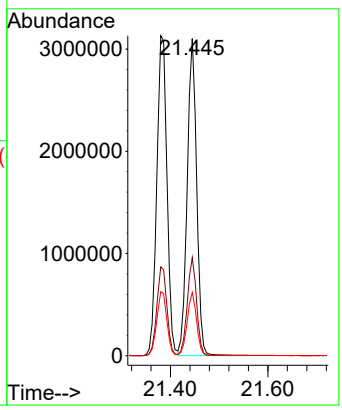


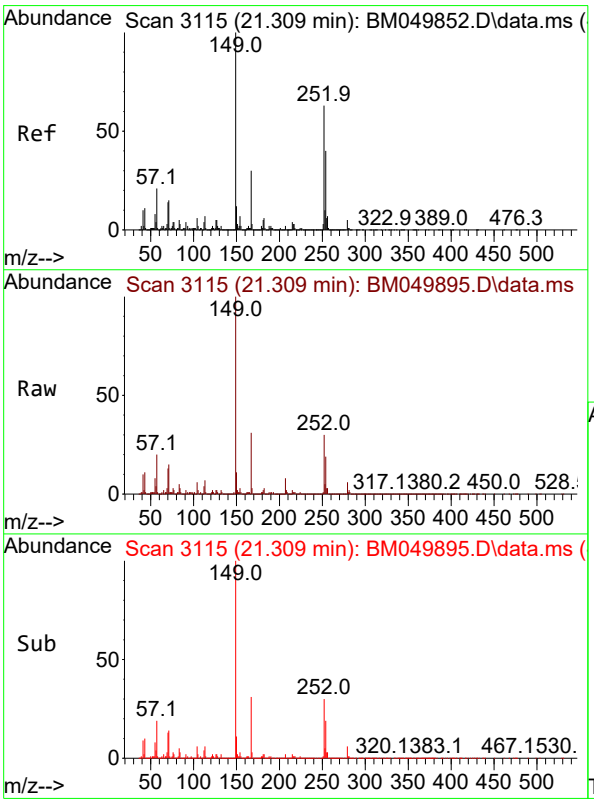
#83
Chrysene
Concen: 49.285 ng
RT: 21.445 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Instrument :
BNA_M
ClientSampleId :
PB167544BS

Tgt Ion:228 Resp: 4159012

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.1	36.1
229	19.9	15.8	23.6

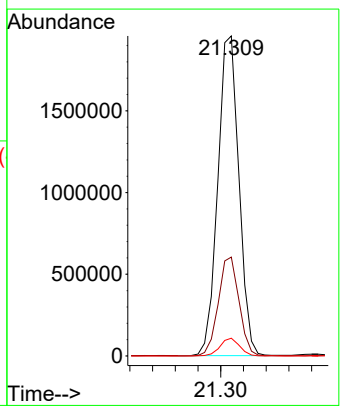


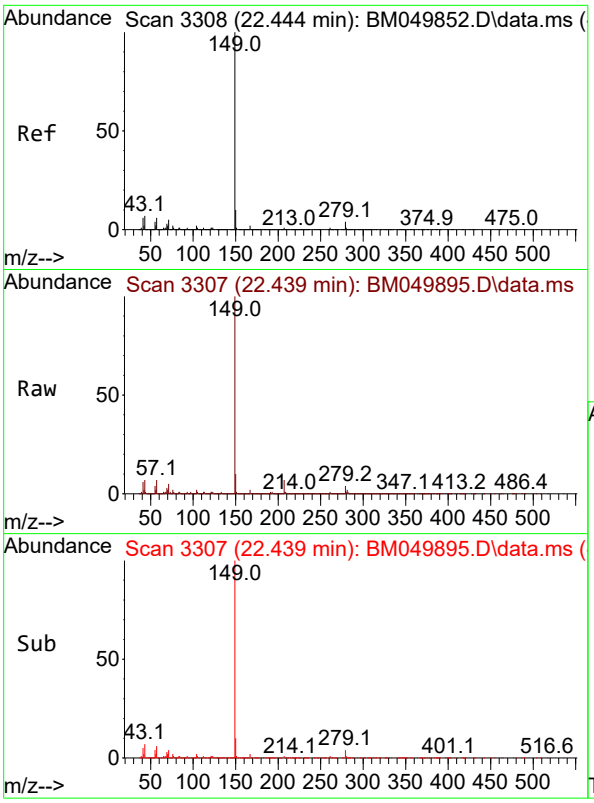


#84
Bis(2-ethylhexyl)phthalate
Concen: 50.106 ng
RT: 21.309 min Scan# 3115
Delta R.T. 0.000 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Tgt Ion:149 Resp: 2524889

Ion	Ratio	Lower	Upper
149	100		
167	30.9	23.8	35.6
279	5.6	3.8	5.8



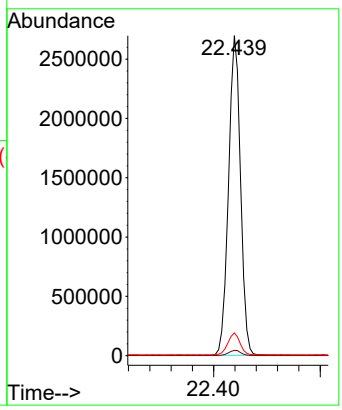


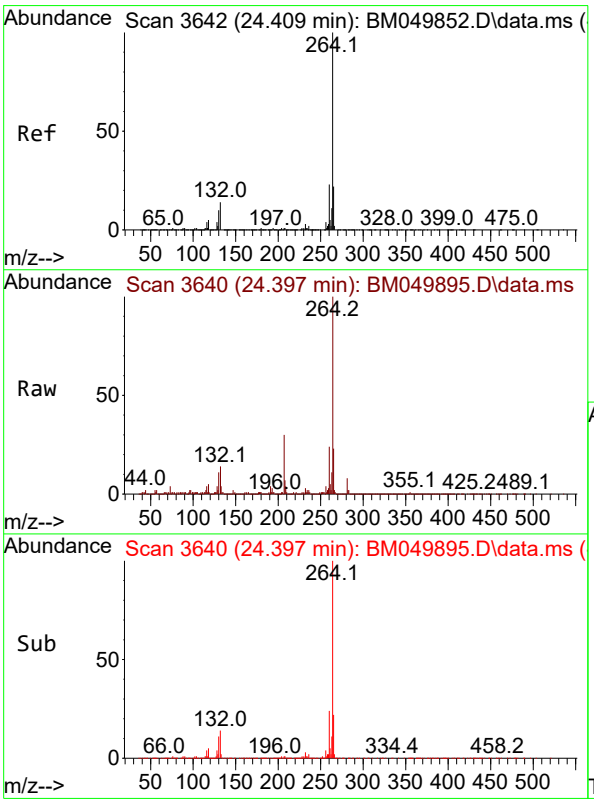
#85
Di-n-octyl phthalate
Concen: 47.757 ng
RT: 22.439 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Instrument :
BNA_M
ClientSampleId :
PB167544BS

Tgt Ion:149 Resp: 4210062

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	6.9	5.8	8.6

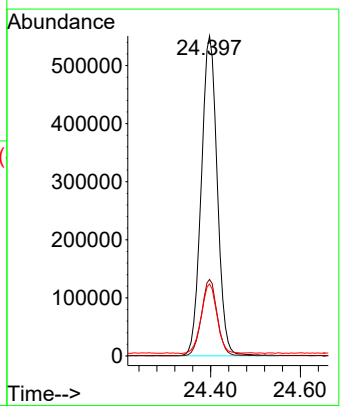


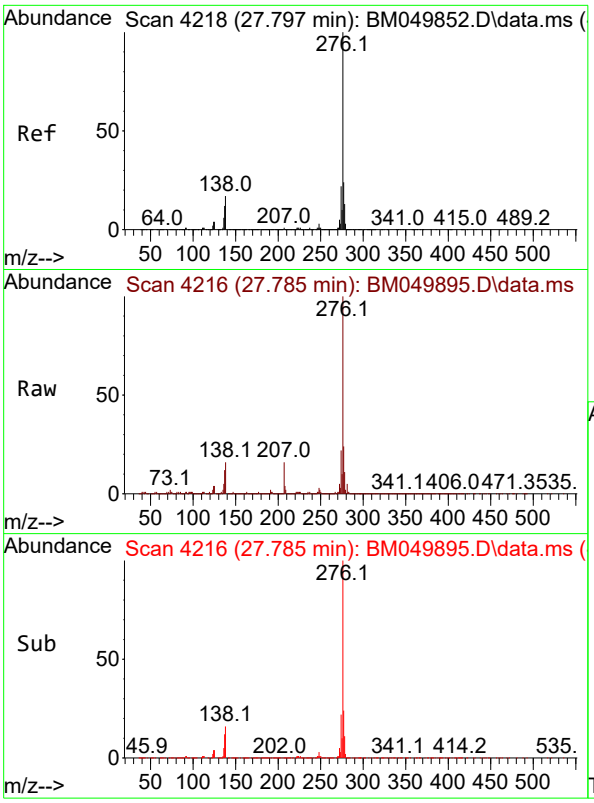


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.397 min Scan# 3640
Delta R.T. -0.012 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Tgt Ion:264 Resp: 1358357

Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.6	28.0
265	22.5	17.8	26.8



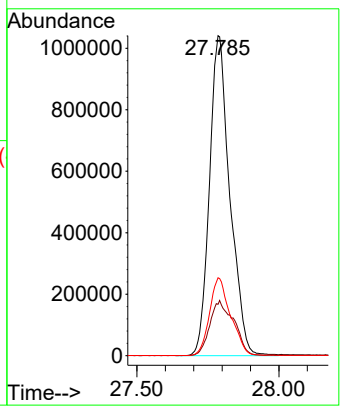


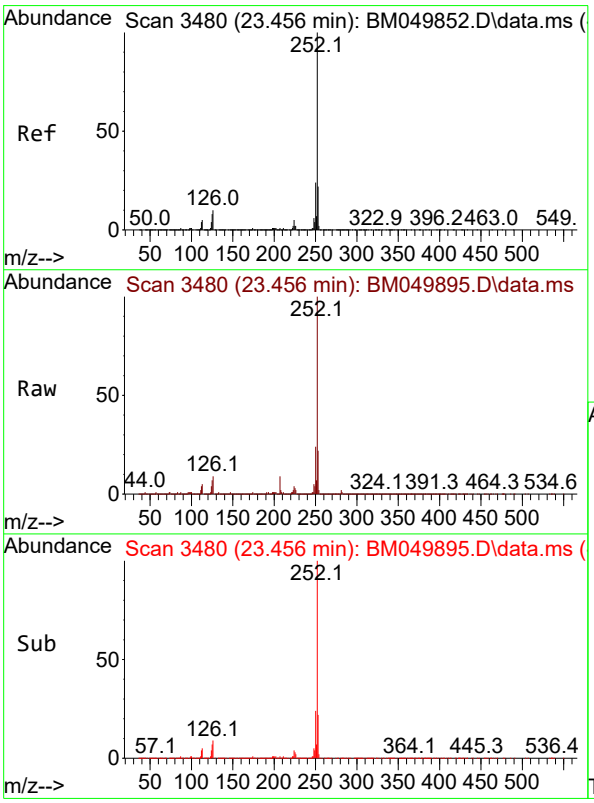
#87
Indeno(1,2,3-cd)pyrene
Concen: 51.334 ng
RT: 27.785 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Instrument :
BNA_M
ClientSampleId :
PB167544BS

Tgt Ion:276 Resp: 5197740

Ion	Ratio	Lower	Upper
276	100		
138	20.2	16.8	25.2
277	25.0	20.1	30.1

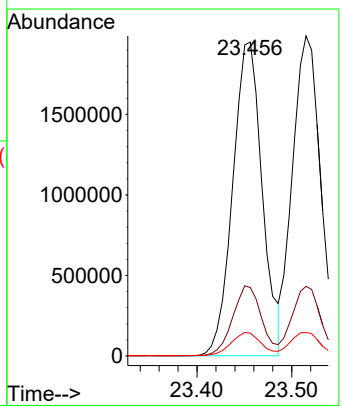


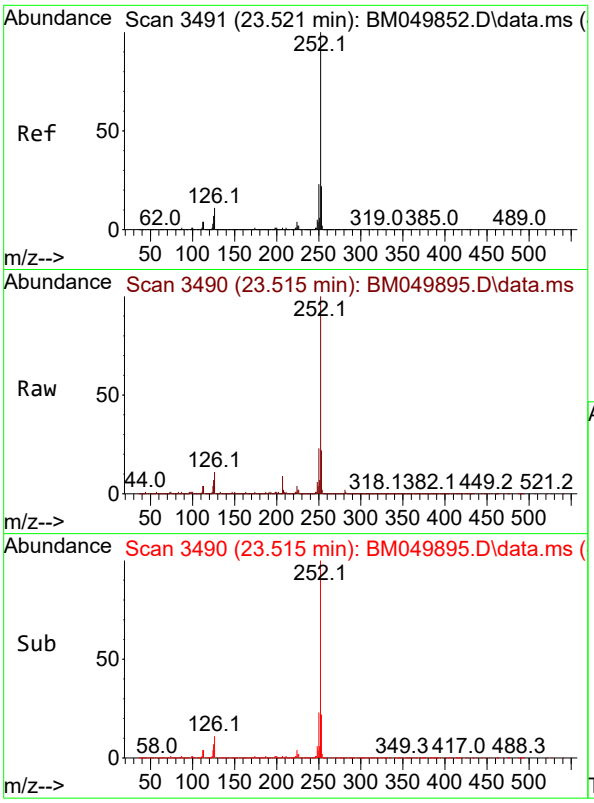


#88
Benzo(b)fluoranthene
Concen: 48.579 ng
RT: 23.456 min Scan# 3480
Delta R.T. 0.000 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Tgt Ion:252 Resp: 4214364

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	7.2	6.2	9.4



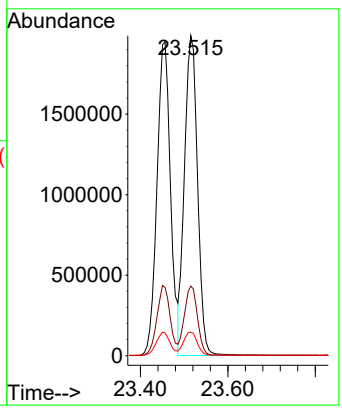


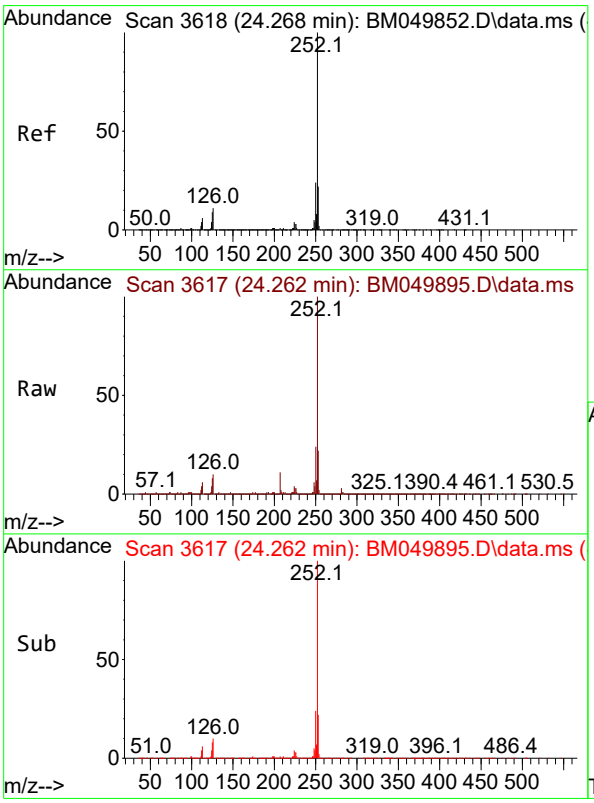
#89
Benzo(k)fluoranthene
Concen: 48.965 ng
RT: 23.515 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Instrument :
BNA_M
ClientSampleId :
PB167544BS

Tgt Ion:252 Resp: 4116495

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	7.3	5.8	8.8

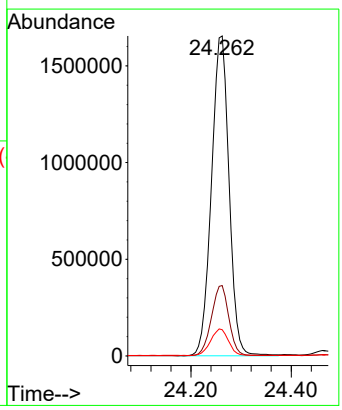


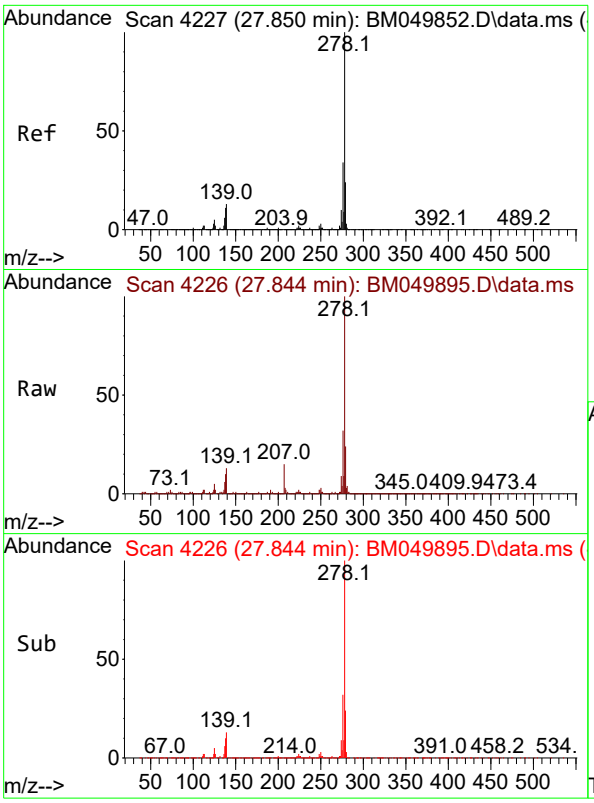


#90
Benzo(a)pyrene
Concen: 52.718 ng
RT: 24.262 min Scan# 3617
Delta R.T. -0.006 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Tgt Ion:252 Resp: 4018826

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.8
125	8.2	7.0	10.4



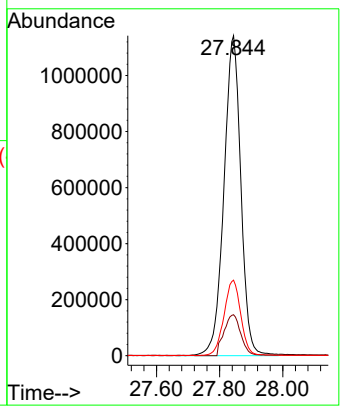


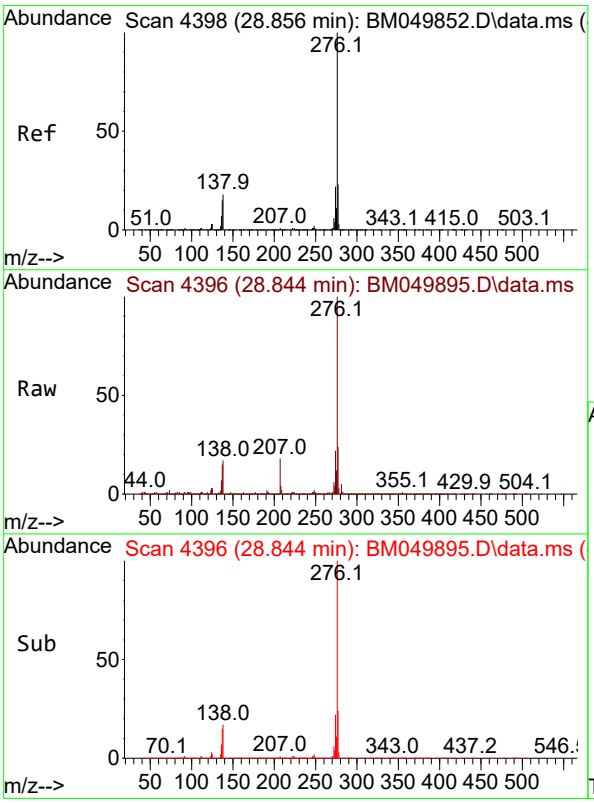
#91
Dibenzo(a,h)anthracene
Concen: 50.933 ng
RT: 27.844 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Instrument :
BNA_M
ClientSampleId :
PB167544BS

Tgt Ion:278 Resp: 4247908

Ion	Ratio	Lower	Upper
278	100		
139	12.8	10.6	15.8
279	23.6	19.1	28.7

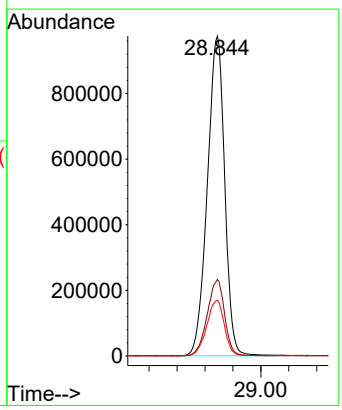




#92
Benzo(g,h,i)perylene
Concen: 49.231 ng
RT: 28.844 min Scan# 4396
Delta R.T. -0.012 min
Lab File: BM049895.D
Acq: 11 Apr 2025 10:56

Tgt Ion:276 Resp: 4195721

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.7	28.1
138	17.4	14.6	21.8



Raw Data: **BM049897.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:	04/08/25
Project:	Stockton			Date Received:	04/09/25
Client Sample ID:	GST3MS			SDG No.:	Q1761
Lab Sample ID:	Q1761-01MS			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	78.6
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-PAH
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
BM049897.D	1	04/10/25 08:55	04/11/25 12:20	PB167544

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	2000		28.9	220	ug/Kg
208-96-8	Acenaphthylene	2300		36.8	220	ug/Kg
83-32-9	Acenaphthene	2100		27.1	220	ug/Kg
86-73-7	Fluorene	2100		32.2	220	ug/Kg
85-01-8	Phenanthrene	2200		26.6	220	ug/Kg
120-12-7	Anthracene	2300		42.4	220	ug/Kg
206-44-0	Fluoranthene	2100		38.2	220	ug/Kg
129-00-0	Pyrene	2400		45.8	220	ug/Kg
56-55-3	Benzo(a)anthracene	2300		29.3	220	ug/Kg
218-01-9	Chrysene	2100		25.3	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	2100		24.2	220	ug/Kg
207-08-9	Benzo(k)fluoranthene	2200		28.5	220	ug/Kg
50-32-8	Benzo(a)pyrene	2300		37.5	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2200		37.0	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2200		34.8	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2100		32.7	220	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	112		30 (18) - 130 (112)	75%	SPK: 150
13127-88-3	Phenol-d6	114		30 (15) - 130 (107)	76%	SPK: 150
4165-60-0	Nitrobenzene-d5	72.6		30 (18) - 130 (107)	73%	SPK: 100
321-60-8	2-Fluorobiphenyl	72.7		30 (20) - 130 (109)	73%	SPK: 100
118-79-6	2,4,6-Tribromophenol	122		30 (10) - 130 (116)	82%	SPK: 150
1718-51-0	Terphenyl-d14	90.1		30 (10) - 130 (105)	90%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	398000	7.775			
1146-65-2	Naphthalene-d8	1400000	10.569			
15067-26-2	Acenaphthene-d10	922000	14.421			
1517-22-2	Phenanthrene-d10	1780000	17.162			
1719-03-5	Chrysene-d12	1520000	21.397			

Raw Data: **BM049897.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:	04/08/25
Project:	Stockton			Date Received:	04/09/25
Client Sample ID:	GST3MS			SDG No.:	Q1761
Lab Sample ID:	Q1761-01MS			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	78.6
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-PAH
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
BM049897.D	1	04/10/25 08:55	04/11/25 12:20	PB167544

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1520-96-3	Perylene-d12	1500000	24.391			

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041125\
Data File : BM049897.D
Acq On : 11 Apr 2025 12:20
Operator : RC/JU
Sample : Q1761-01MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 11 13:05:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
GST3MS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	398038	20.000	ng	0.00
21) Naphthalene-d8	10.569	136	1400227	20.000	ng	0.00
39) Acenaphthene-d10	14.421	164	921596	20.000	ng	0.00
64) Phenanthrene-d10	17.162	188	1779577	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1521016	20.000	ng	0.00
86) Perylene-d12	24.391	264	1498756	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	2620349	111.787	ng	0.00
7) Phenol-d6	6.957	99	3316422	113.715	ng	0.00
23) Nitrobenzene-d5	8.934	82	1826404	72.634	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	1639606	122.313	ng	0.00
45) 2-Fluorobiphenyl	13.039	172	4944152	72.747	ng	0.00
79) Terphenyl-d14	19.786	244	7310413	90.072	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.257	88	396907	41.115	ng	99
3) Pyridine	3.657	79	1111515	43.823	ng	98
4) n-Nitrosodimethylamine	3.569	42	456107	47.253	ng	98
6) Aniline	7.104	93	951439	38.072	ng	99
8) 2-Chlorophenol	7.345	128	1238038	51.538	ng	100
9) Benzaldehyde	6.916	77	680086	45.441	ng	97
10) Phenol	6.981	94	1474293	51.802	ng	98
11) bis(2-Chloroethyl)ether	7.198	93	1114829	49.951	ng	99
12) 1,3-Dichlorobenzene	7.669	146	1408845	49.606	ng	99
13) 1,4-Dichlorobenzene	7.810	146	1414062	49.483	ng	99
14) 1,2-Dichlorobenzene	8.128	146	1358603	50.475	ng	100
15) Benzyl Alcohol	8.016	79	991685	53.999	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.304	45	1302003	52.340	ng	100
17) 2-Methylphenol	8.228	107	947495	54.024	ng	99
18) Hexachloroethane	8.857	117	490660	49.351	ng	96
19) n-Nitroso-di-n-propyla...	8.587	70	827807	51.248	ng	99
20) 3+4-Methylphenols	8.551	107	1296004	54.202	ng	99
22) Acetophenone	8.598	105	1640443	48.206	ng	100
24) Nitrobenzene	8.975	77	1178336	48.666	ng	97
25) Isophorone	9.504	82	2279301	54.110	ng	99
26) 2-Nitrophenol	9.686	139	659816	51.415	ng	99
27) 2,4-Dimethylphenol	9.751	122	1081365	74.353	ng	99
28) bis(2-Chloroethoxy)met...	9.981	93	1426247	50.575	ng	99
29) 2,4-Dichlorophenol	10.228	162	1258087	52.040	ng	98
30) 1,2,4-Trichlorobenzene	10.433	180	1373870	49.124	ng	99
31) Naphthalene	10.622	128	3398694	47.237	ng	99
32) Benzoic acid	9.904	122	792138m	44.664	ng	
33) 4-Chloroaniline	10.728	127	415897	16.370	ng	98
34) Hexachlorobutadiene	10.910	225	872371	50.428	ng	99
35) Caprolactam	11.522	113	347822	50.164	ng	96
36) 4-Chloro-3-methylphenol	11.869	107	1109094	52.374	ng	98
37) 2-Methylnaphthalene	12.233	142	2290574	45.186	ng	99
38) 1-Methylnaphthalene	12.457	142	2410802	48.815	ng	100
40) 1,2,4,5-Tetrachloroben...	12.610	216	1613836	50.054	ng	99
41) Hexachlorocyclopentadiene	12.592	237	2158702	191.075	ng	99
43) 2,4,6-Trichlorophenol	12.851	196	1075090	52.401	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041125\
Data File : BM049897.D
Acq On : 11 Apr 2025 12:20
Operator : RC/JU
Sample : Q1761-01MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 11 13:05:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
GST3MS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.927	196	1170147	52.484	ng	99
46) 1,1'-Biphenyl	13.251	154	3363229	49.092	ng	100
47) 2-Chloronaphthalene	13.292	162	2643920	49.101	ng	99
48) 2-Nitroaniline	13.498	65	643988	51.696	ng	99
49) Acenaphthylene	14.139	152	4197613	53.517	ng	99
50) Dimethylphthalate	13.880	163	3273425	50.347	ng	99
51) 2,6-Dinitrotoluene	13.992	165	708816	52.035	ng	100
52) Acenaphthene	14.486	154	2450799	49.122	ng	99
53) 3-Nitroaniline	14.321	138	290745	22.083	ng	92
54) 2,4-Dinitrophenol	14.533	184	862493	86.760	ng	95
55) Dibenzofuran	14.821	168	3997202	47.926	ng	98
56) 4-Nitrophenol	14.645	139	1255789	107.036	ng	99
57) 2,4-Dinitrotoluene	14.786	165	984271	54.162	ng	95
58) Fluorene	15.468	166	3312023	49.958	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.051	232	991195	50.723	ng	97
60) Diethylphthalate	15.245	149	3055827	49.010	ng	98
61) 4-Chlorophenyl-phenyle...	15.463	204	1828146	51.433	ng	98
62) 4-Nitroaniline	15.486	138	652892	47.953	ng	99
63) Azobenzene	15.757	77	2915396	54.614	ng	96
65) 4,6-Dinitro-2-methylph...	15.551	198	557624	49.725	ng	97
66) n-Nitrosodiphenylamine	15.680	169	2818922	52.931	ng	99
67) 4-Bromophenyl-phenylether	16.357	248	1121321	54.278	ng	95
68) Hexachlorobenzene	16.474	284	1280020	54.018	ng	99
69) Atrazine	16.633	200	1041186	75.403	ng	97
70) Pentachlorophenol	16.815	266	1777954	101.914	ng	99
71) Phenanthrene	17.204	178	5014269	51.395	ng	100
72) Anthracene	17.298	178	5118456	53.236	ng	100
73) Carbazole	17.562	167	4537431	50.105	ng	99
74) Di-n-butylphthalate	18.133	149	5207201	49.922	ng	100
75) Fluoranthene	19.221	202	5833029	48.625	ng	99
77) Benzidine	19.403	184	2195825	108.820	ng	100
78) Pyrene	19.586	202	5876662	56.061	ng	99
80) Butylbenzylphthalate	20.480	149	2147355	54.517	ng	99
81) Benzo(a)anthracene	21.380	228	5371938	53.142	ng	100
82) 3,3'-Dichlorobenzidine	21.303	252	998618	26.159	ng	99
83) Chrysene	21.445	228	4869666	50.671	ng	99
84) Bis(2-ethylhexyl)phtha...	21.309	149	3032341	52.840	ng	98
85) Di-n-octyl phthalate	22.439	149	5028056	50.083	ng	99
87) Indeno(1,2,3-cd)pyrene	27.785	276	5782529	51.760	ng	99
88) Benzo(b)fluoranthene	23.450	252	4790847	50.051	ng	99
89) Benzo(k)fluoranthene	23.515	252	4889726	52.714	ng	99
90) Benzo(a)pyrene	24.262	252	4626971	55.010	ng	98
91) Dibenzo(a,h)anthracene	27.838	278	4720792	51.301	ng	100
92) Benzo(g,h,i)perylene	28.844	276	4614103	49.068	ng	99

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

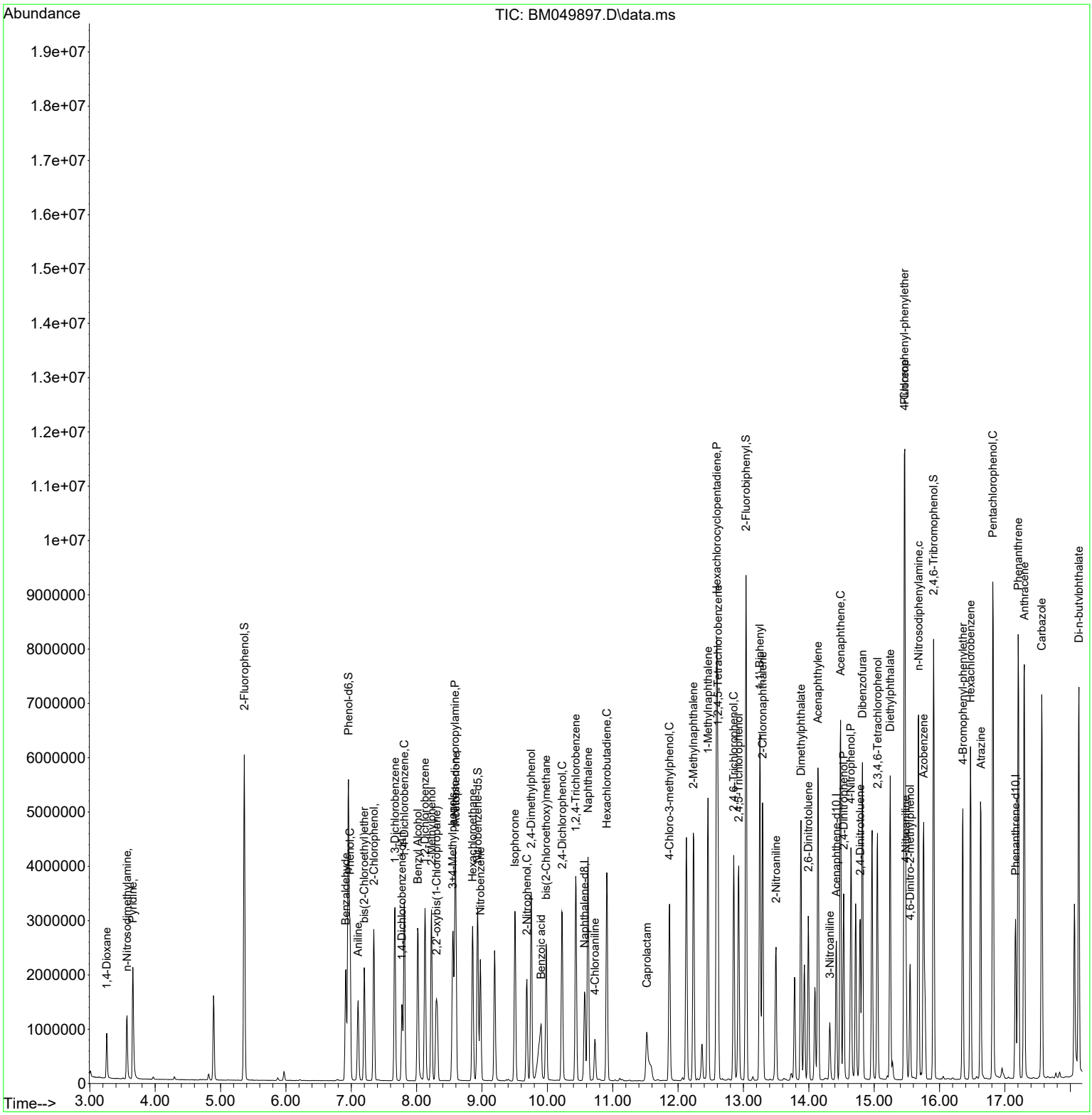
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Data File : BM049897.D
Acq On : 11 Apr 2025 12:20
Operator : RC/JU
Sample : Q1761-01MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 11 13:05:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
GST3MS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025



Sample Results: **BM049897.D**

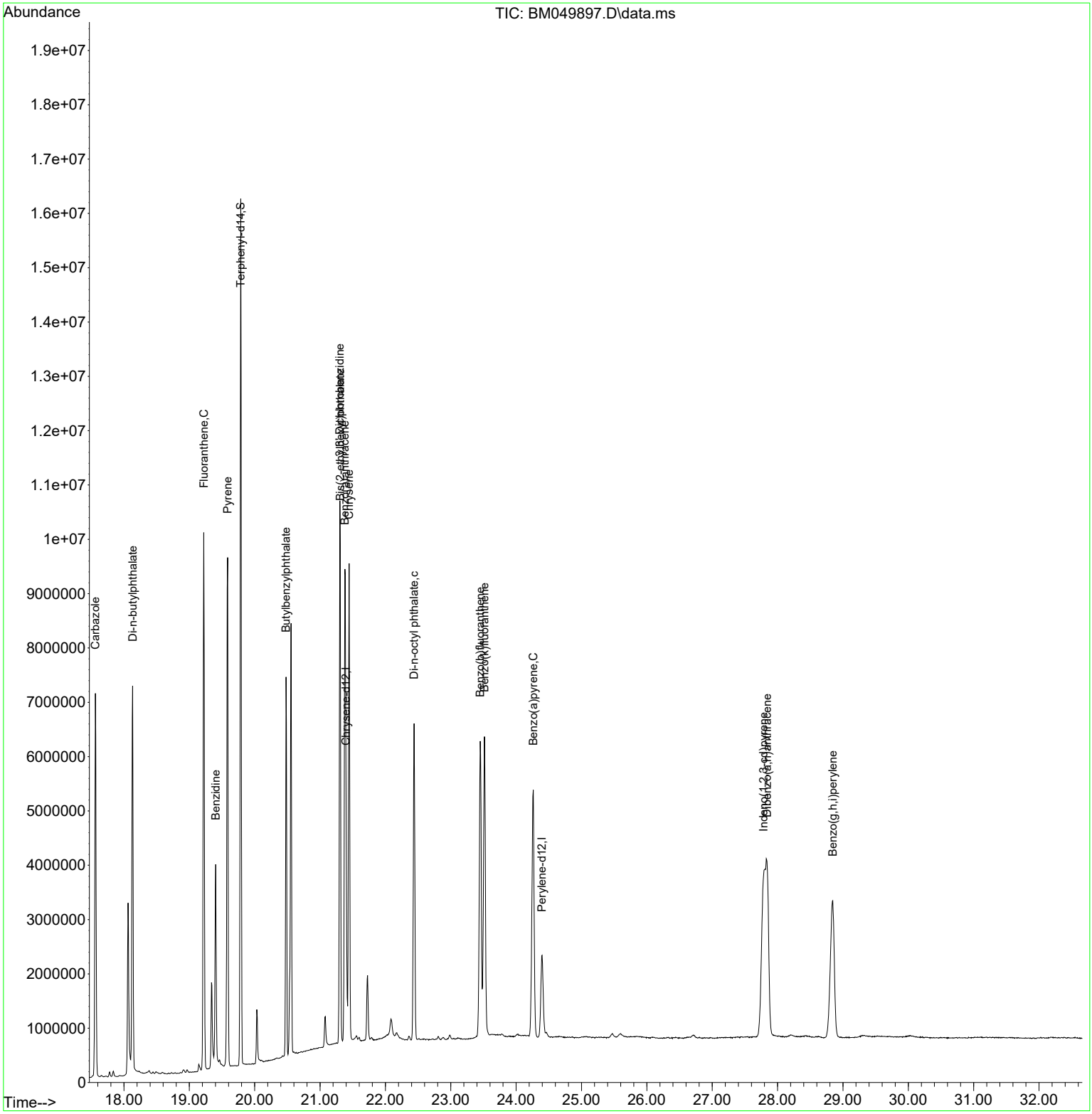
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Acq On : 11 Apr 2025 12:20
Operator : RC/JU
Sample : Q1761-01MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

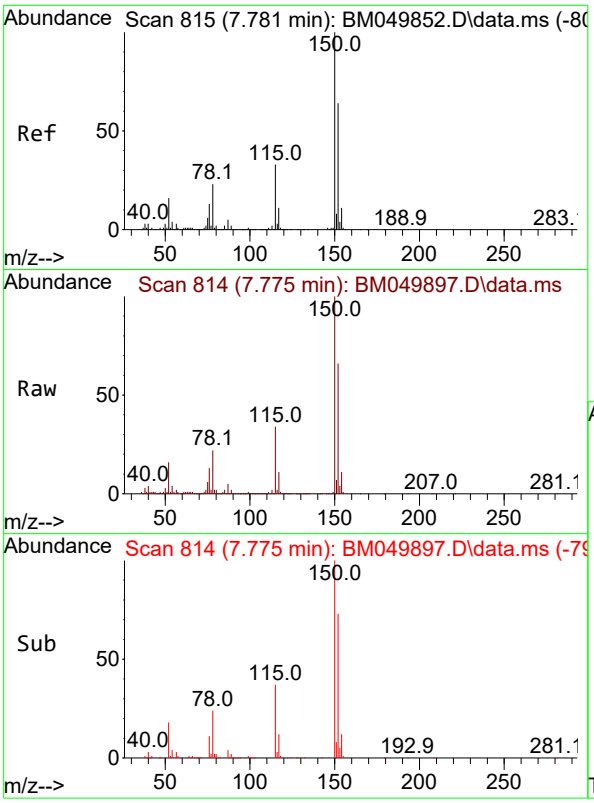
Quant Time: Apr 11 13:05:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
GST3MS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/14/2025
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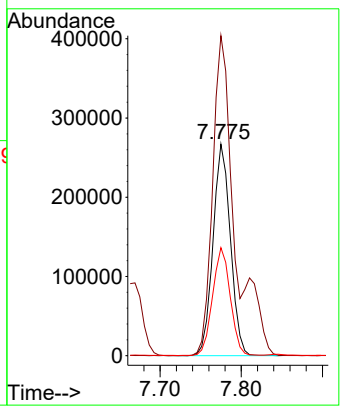




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.775 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:152 Resp: 39803

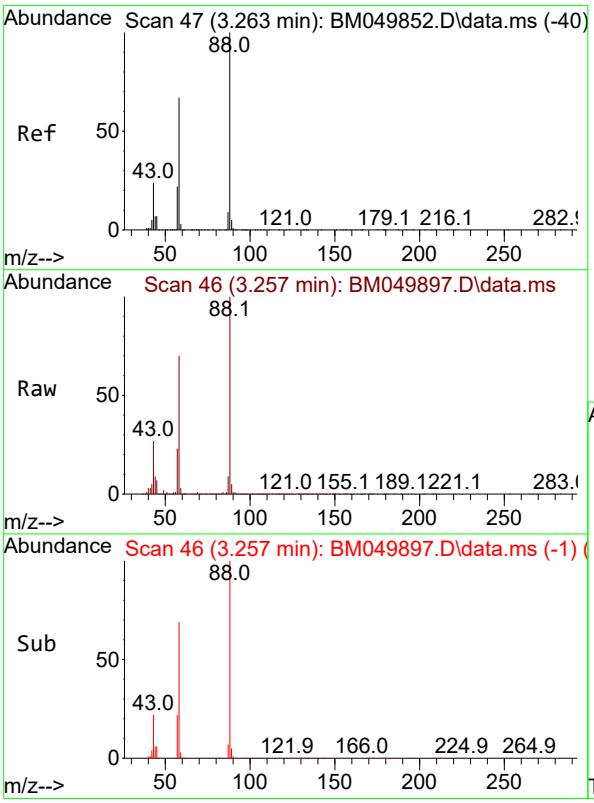
Ion	Ratio	Lower	Upper
152	100		
150	151.3	124.3	186.5
115	51.1	41.1	61.7



Instrument :
BNA_M
ClientSampleId :
GST3MS

Manual Integrations
APPROVED

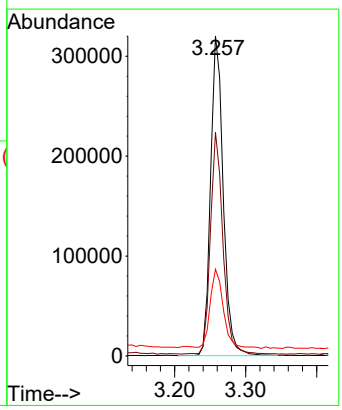
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

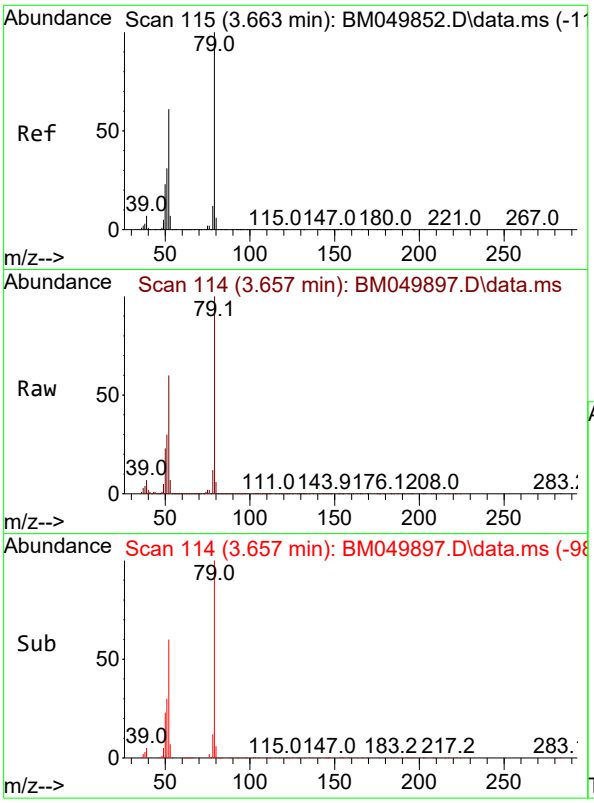


#2
1,4-Dioxane
Concen: 41.115 ng
RT: 3.257 min Scan# 46
Delta R.T. -0.006 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion: 88 Resp: 396907

Ion	Ratio	Lower	Upper
88	100		
58	68.3	54.1	81.1
43	25.9	20.2	30.4

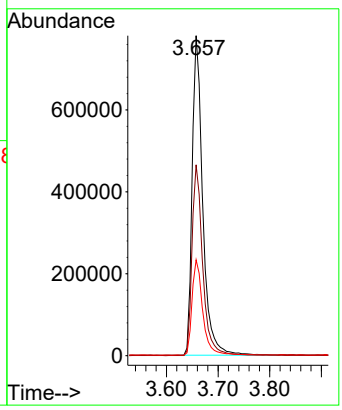




#3
Pyridine
Concen: 43.823 ng
RT: 3.657 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion: 79 Resp: 111151

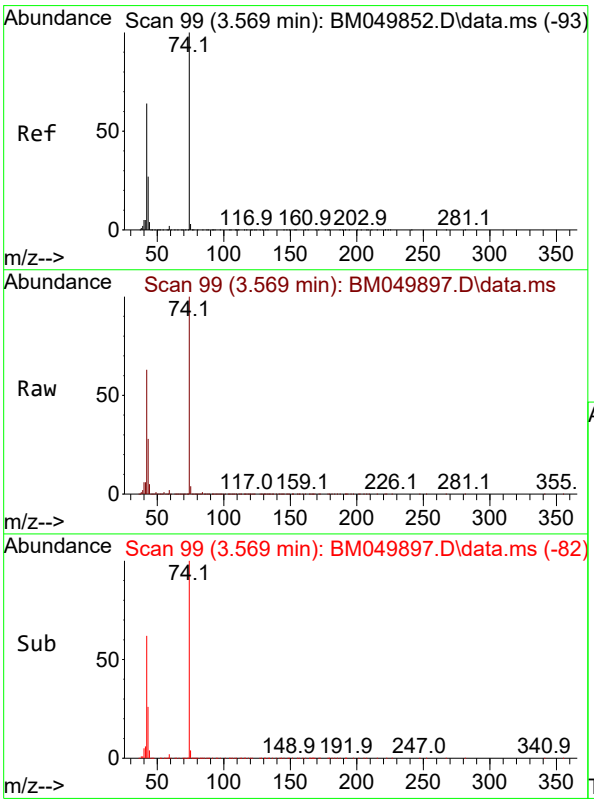
Ion	Ratio	Lower	Upper
79	100		
52	59.6	48.9	73.3
51	29.9	25.0	37.6



Instrument :
BNA_M
ClientSampleId :
GST3MS

Manual Integrations
APPROVED

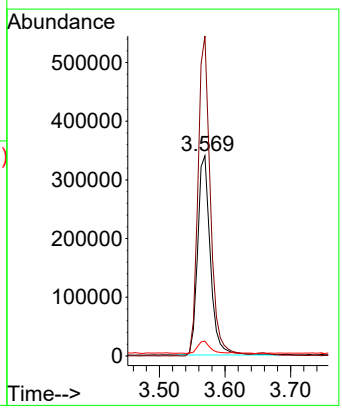
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

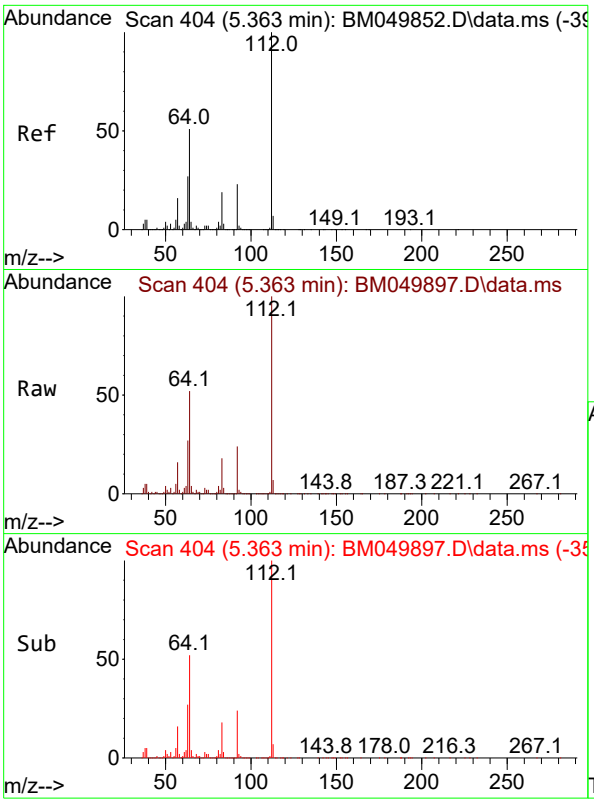


#4
n-Nitrosodimethylamine
Concen: 47.253 ng
RT: 3.569 min Scan# 99
Delta R.T. 0.000 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion: 42 Resp: 456107

Ion	Ratio	Lower	Upper
42	100		
74	159.9	125.4	188.2
44	7.3	5.9	8.9

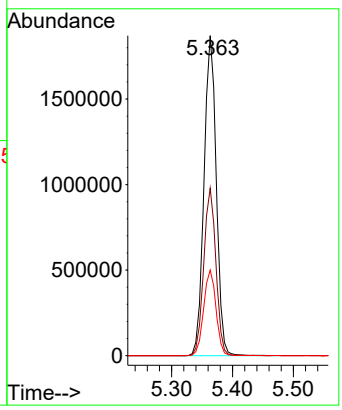




#5
2-Fluorophenol
Concen: 111.787 ng
RT: 5.363 min Scan# 40
Delta R.T. 0.000 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:112 Resp: 262034

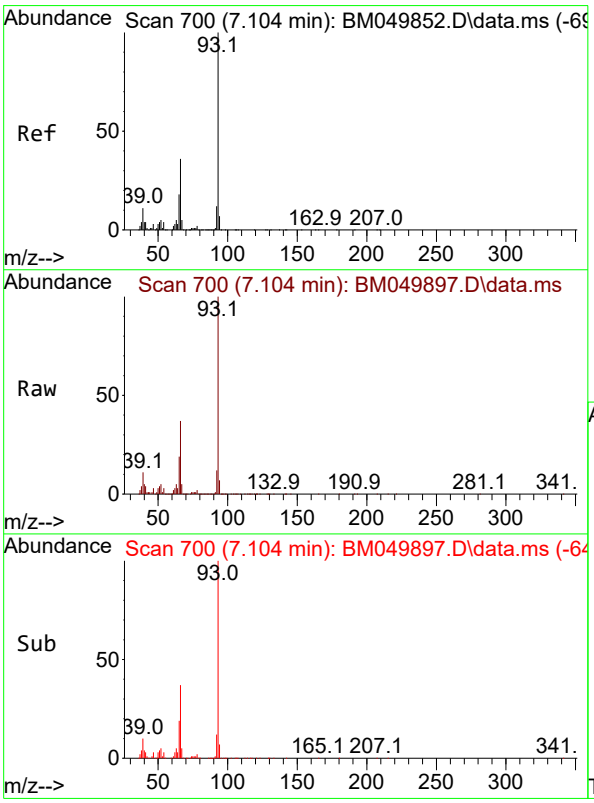
Ion	Ratio	Lower	Upper
112	100		
64	52.4	41.0	61.6
63	26.7	21.5	32.3



Instrument :
BNA_M
ClientSampleId :
GST3MS

Manual Integrations
APPROVED

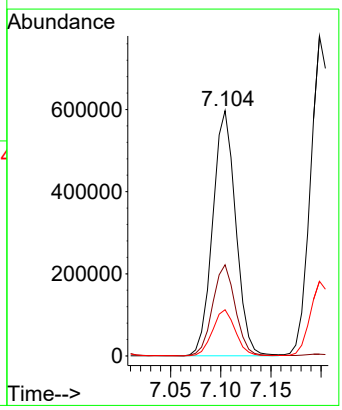
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

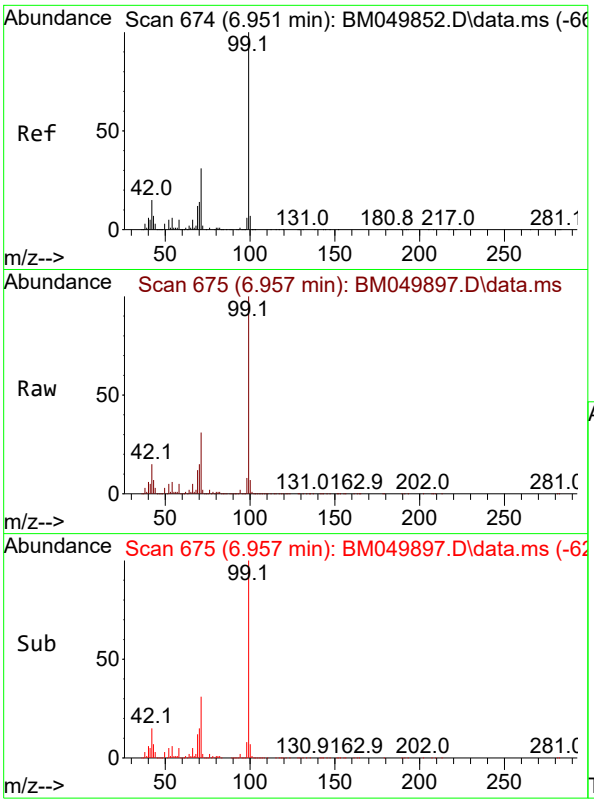


#6
Aniline
Concen: 38.072 ng
RT: 7.104 min Scan# 700
Delta R.T. 0.000 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion: 93 Resp: 951439

Ion	Ratio	Lower	Upper
93	100		
66	37.2	29.1	43.7
65	18.9	14.9	22.3

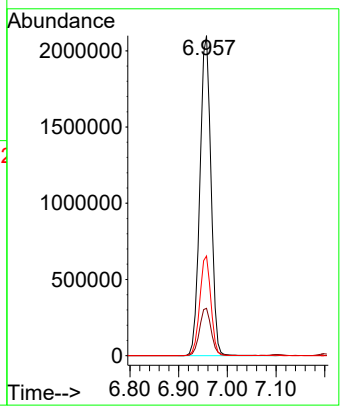




#7
Phenol-d6
Concen: 113.715 ng
RT: 6.957 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion: 99 Resp: 331642

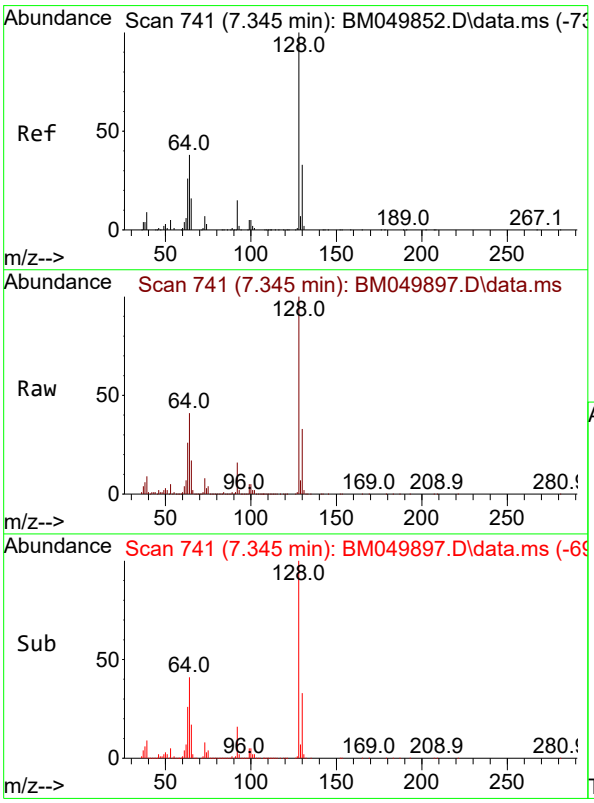
Ion	Ratio	Lower	Upper
99	100		
42	14.8	12.1	18.1
71	31.1	24.9	37.3



Instrument :
BNA_M
ClientSampleId :
GST3MS

Manual Integrations
APPROVED

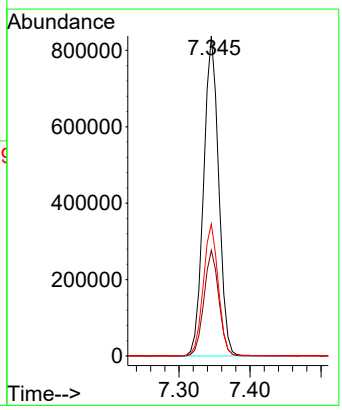
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

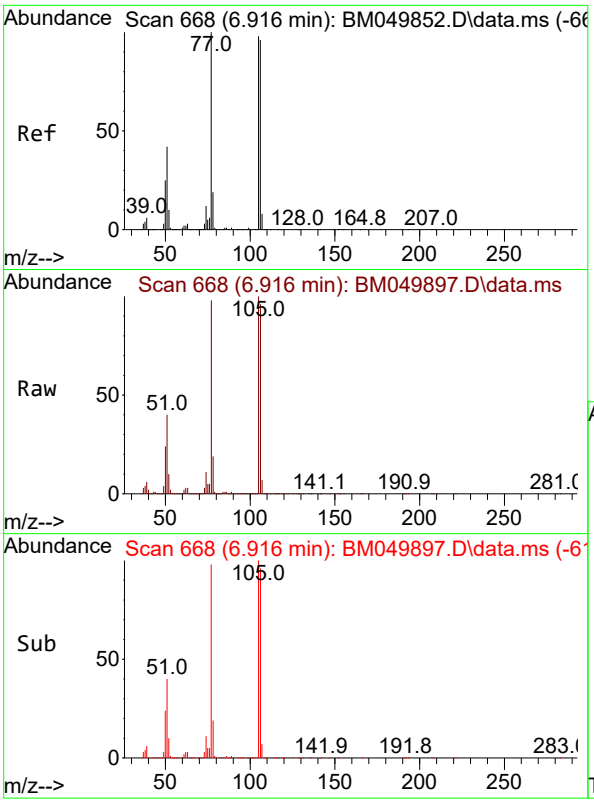


#8
2-Chlorophenol
Concen: 51.538 ng
RT: 7.345 min Scan# 741
Delta R.T. 0.000 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:128 Resp: 1238038

Ion	Ratio	Lower	Upper
128	100		
130	33.0	12.6	52.6
64	41.3	21.1	61.1





#9
Benzaldehyde
Concen: 45.441 ng
RT: 6.916 min Scan# 6(
Delta R.T. 0.000 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

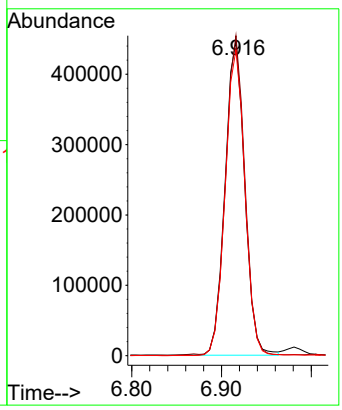
Tgt Ion: 77 Resp: 68008(

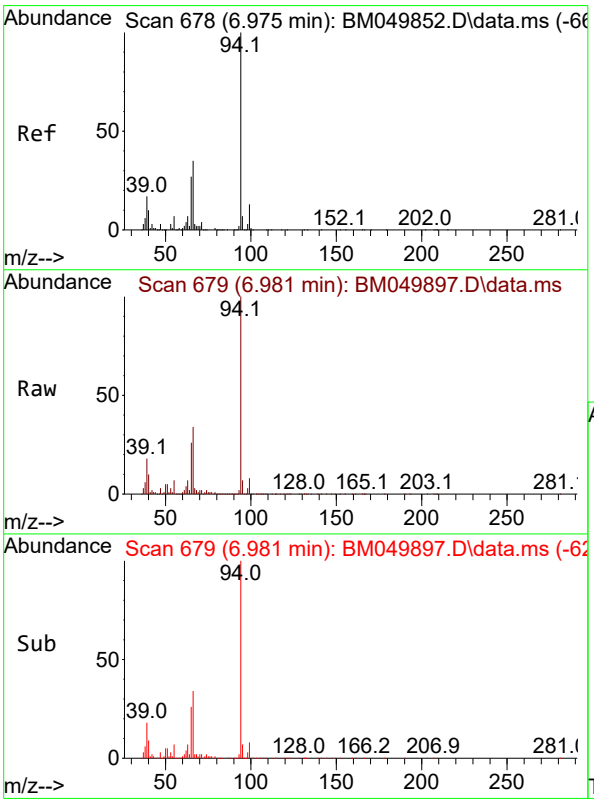
Ion	Ratio	Lower	Upper
77	100		
105	101.8	78.3	118.3
106	97.4	76.0	116.0

Instrument :
BNA_M
ClientSampleId :
GST3MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

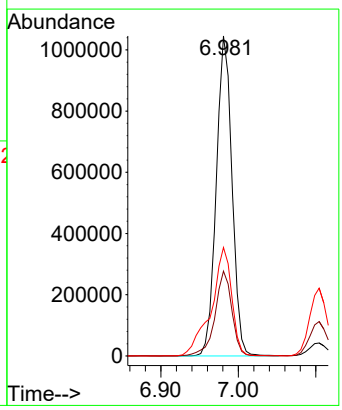


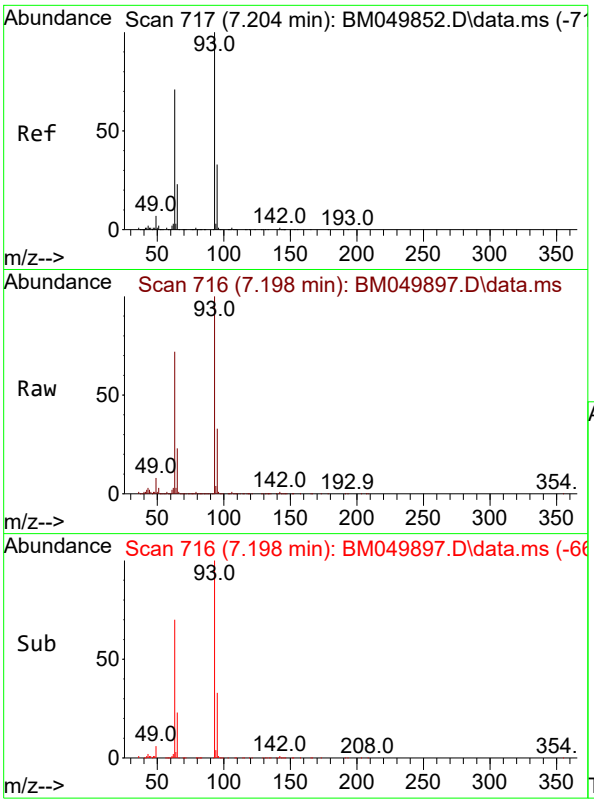


#10
Phenol
Concen: 51.802 ng
RT: 6.981 min Scan# 679
Delta R.T. 0.006 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion: 94 Resp: 1474293

Ion	Ratio	Lower	Upper
94	100		
65	26.5	7.3	47.3
66	33.9	14.8	54.8





#11
bis(2-Chloroethyl)ether
Concen: 49.951 ng
RT: 7.198 min Scan# 7
Delta R.T. -0.006 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

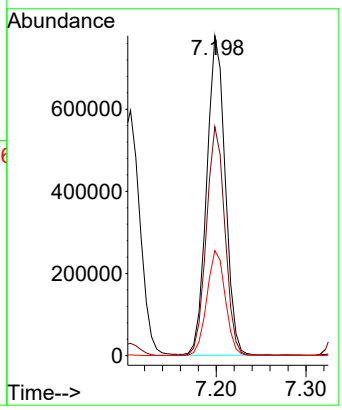
Instrument :
BNA_M
ClientSampleId :
GST3MS

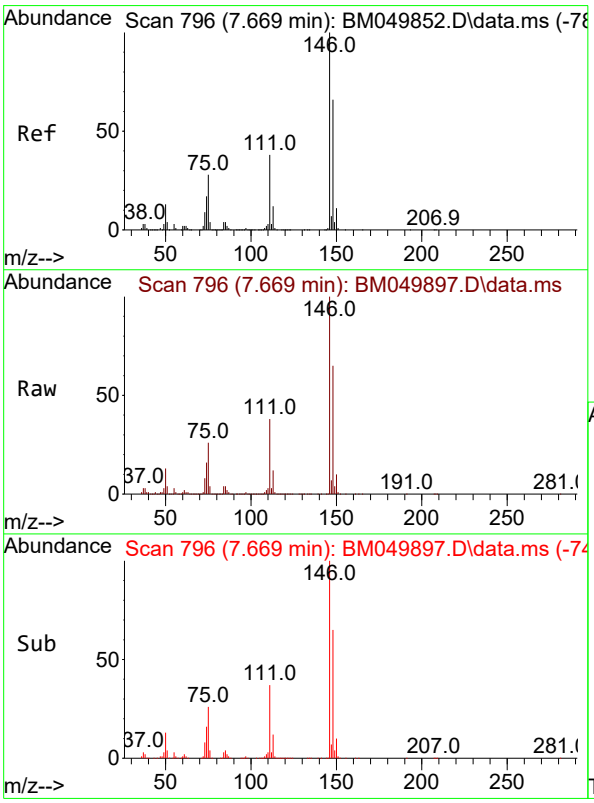
Tgt Ion: 93 Resp: 111482

Ion	Ratio	Lower	Upper
93	100		
63	71.5	50.9	90.9
95	32.9	12.6	52.6

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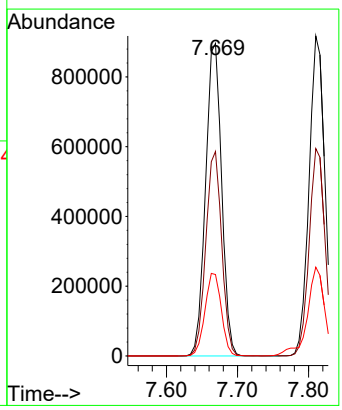


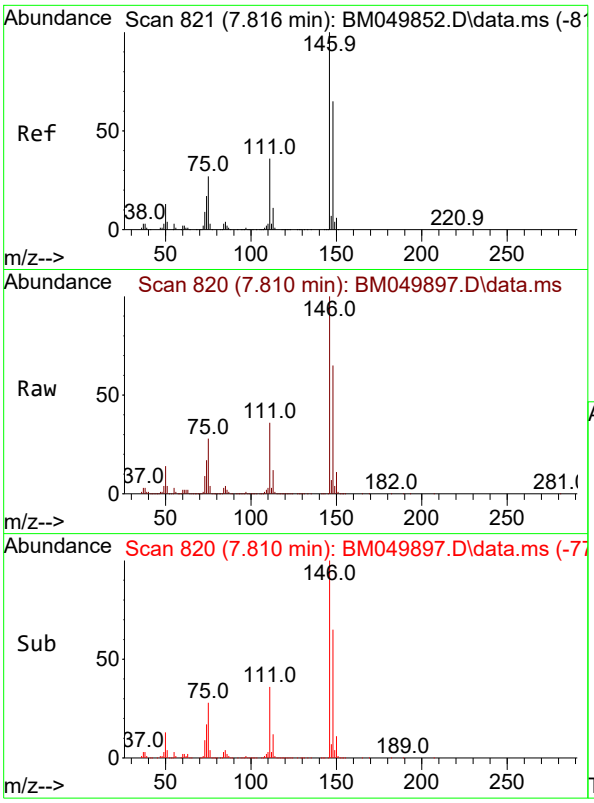


#12
1,3-Dichlorobenzene
Concen: 49.606 ng
RT: 7.669 min Scan# 796
Delta R.T. 0.000 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:146 Resp: 1408845

Ion	Ratio	Lower	Upper
146	100		
148	65.4	52.5	78.7
75	26.1	22.5	33.7

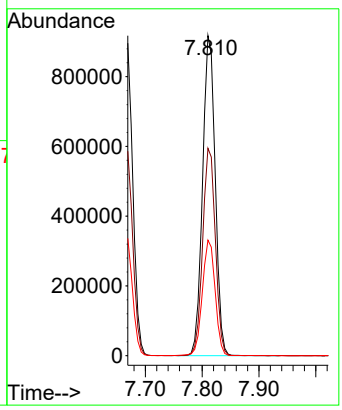




#13
1,4-Dichlorobenzene
Concen: 49.483 ng
RT: 7.810 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:146 Resp: 141406

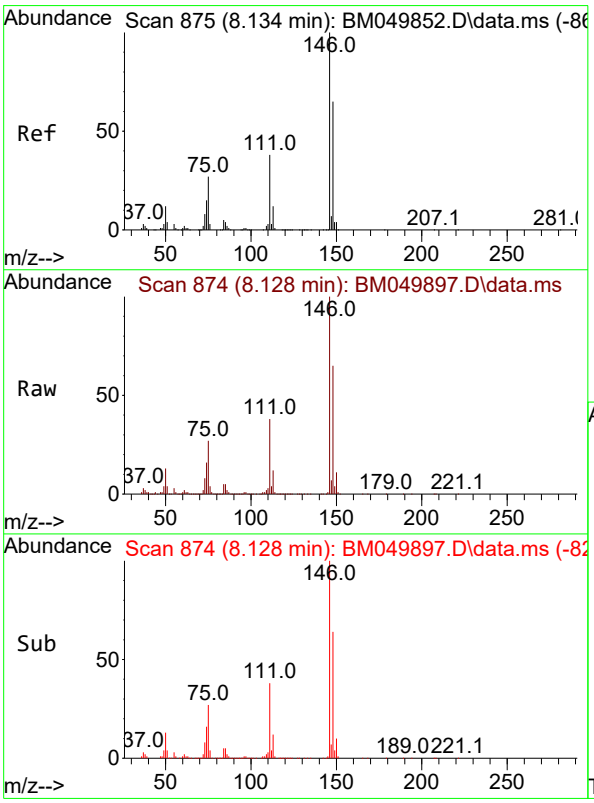
Ion	Ratio	Lower	Upper
146	100		
148	64.8	52.4	78.6
111	36.1	28.5	42.7



Instrument :
BNA_M
ClientSampleId :
GST3MS

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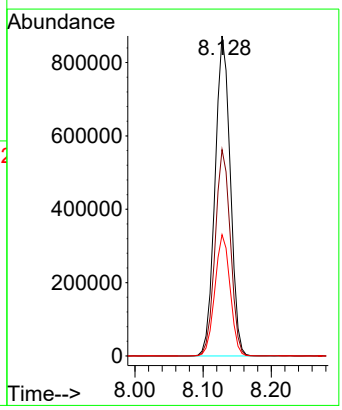
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

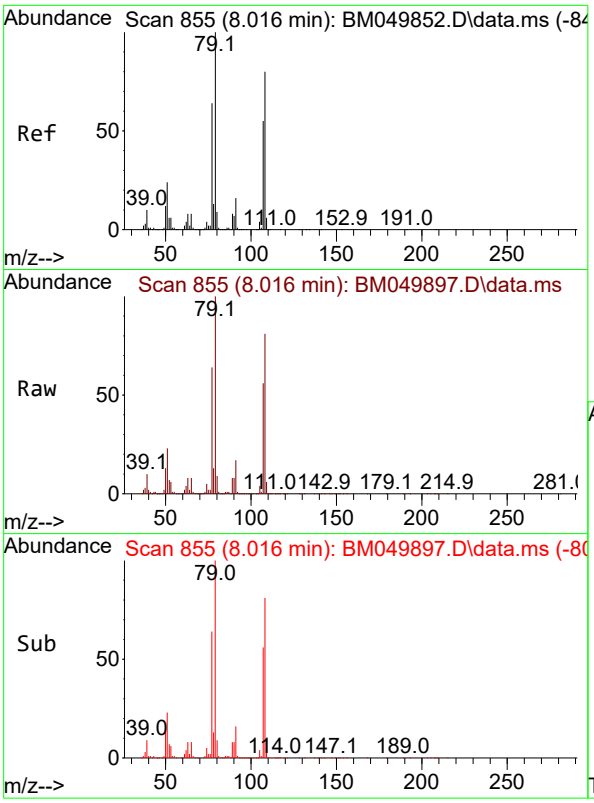


#14
1,2-Dichlorobenzene
Concen: 50.475 ng
RT: 8.128 min Scan# 874
Delta R.T. -0.006 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:146 Resp: 1358603

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.8	77.8
111	37.9	30.2	45.4





#15
Benzyl Alcohol
Concen: 53.999 ng
RT: 8.016 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

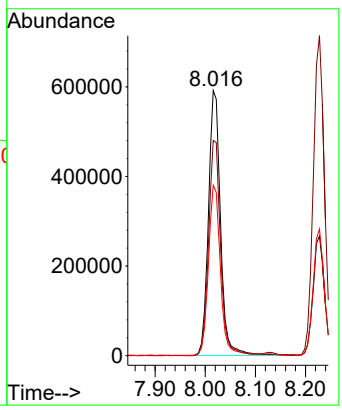
Tgt Ion: 79 Resp: 99168

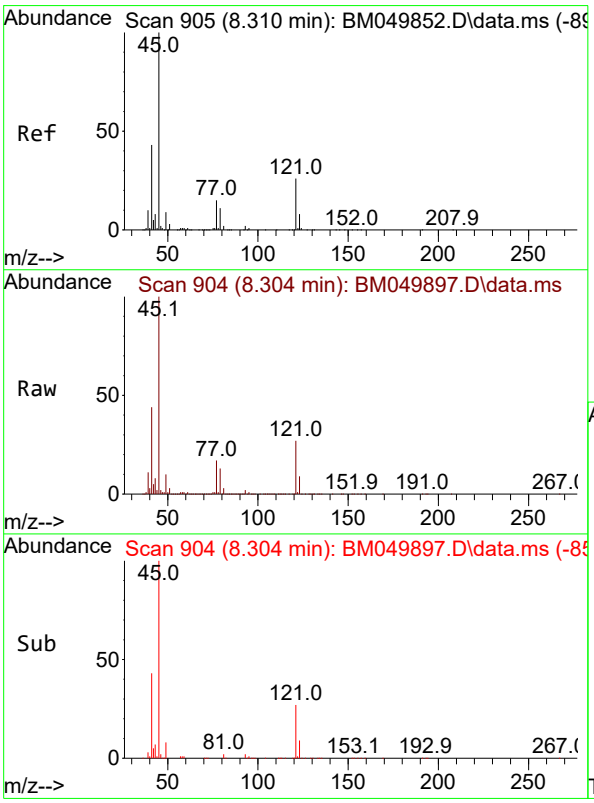
Ion	Ratio	Lower	Upper
79	100		
108	81.2	63.6	95.4
77	64.3	51.3	76.9

Instrument :
BNA_M
ClientSampleId :
GST3MS

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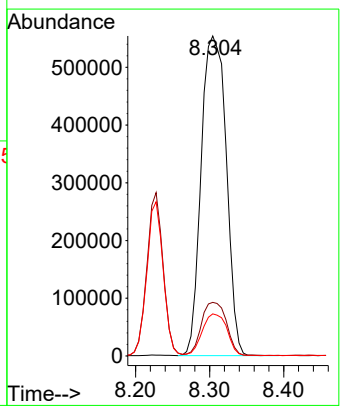


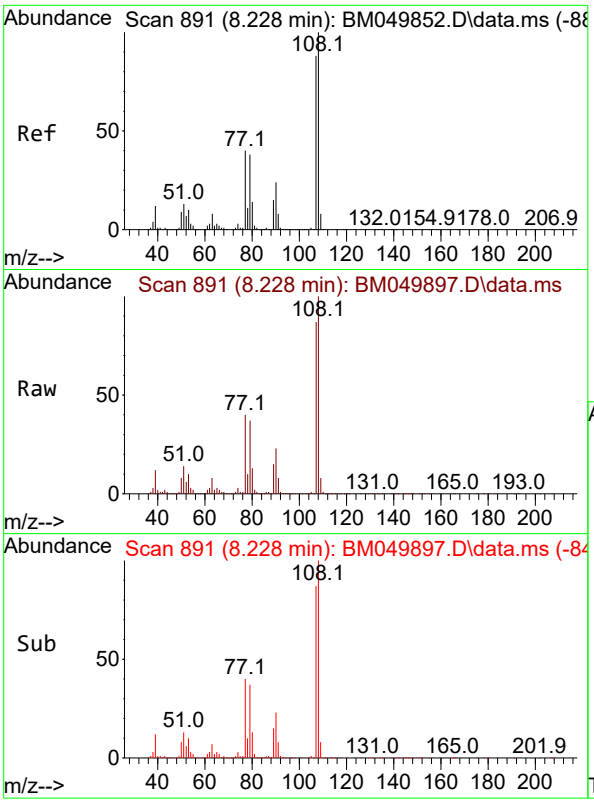


#16
2,2'-oxybis(1-Chloropropane)
Concen: 52.340 ng
RT: 8.304 min Scan# 904
Delta R.T. -0.006 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion: 45 Resp: 1302003

Ion	Ratio	Lower	Upper
45	100		
77	16.8	0.0	36.9
79	13.1	0.0	32.9

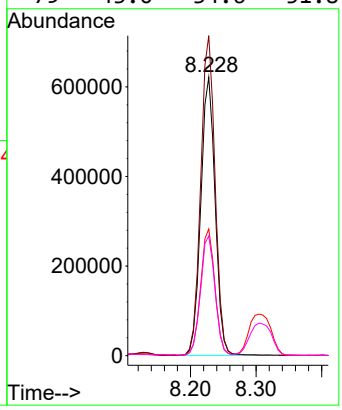




#17
2-Methylphenol
Concen: 54.024 ng
RT: 8.228 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:107 Resp: 94749

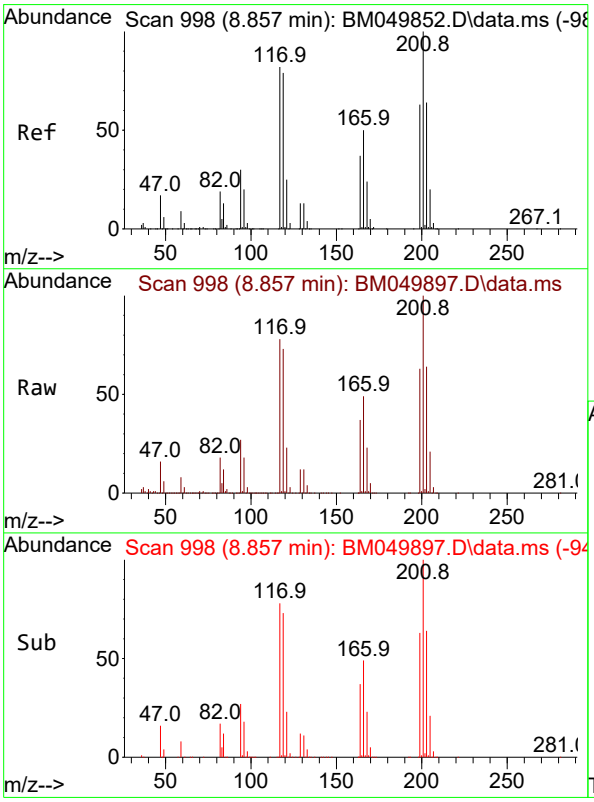
Ion	Ratio	Lower	Upper
107	100		
108	114.9	91.0	136.6
77	45.5	36.5	54.7
79	43.0	34.6	51.8



Instrument :
BNA_M
ClientSampleId :
GST3MS

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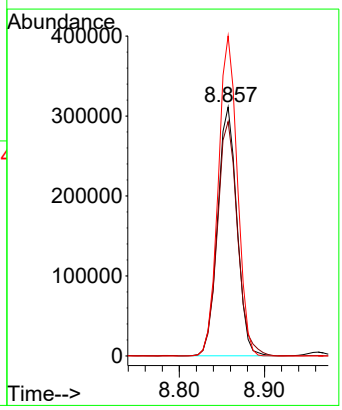
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

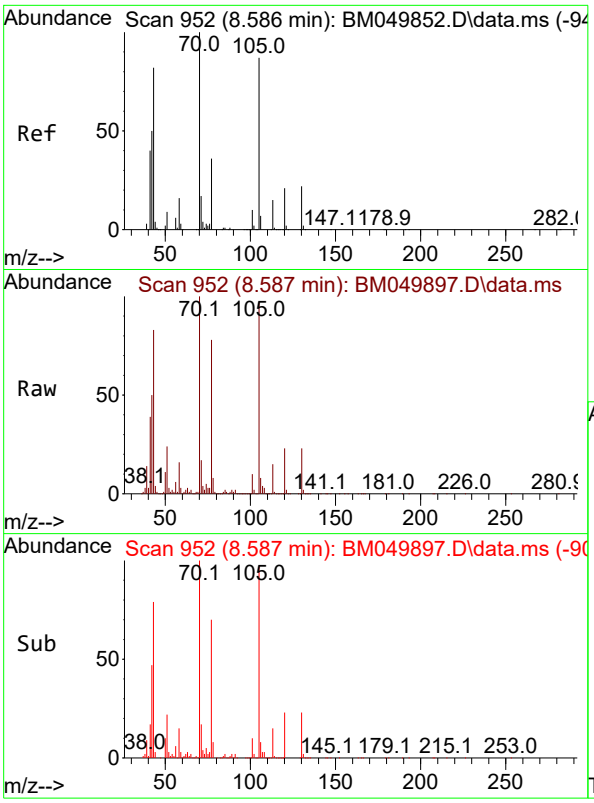


#18
Hexachloroethane
Concen: 49.351 ng
RT: 8.857 min Scan# 998
Delta R.T. 0.000 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:117 Resp: 490660

Ion	Ratio	Lower	Upper
117	100		
119	94.2	77.5	116.3
201	128.6	97.7	146.5

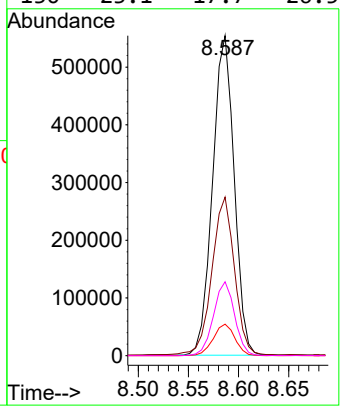




#19
n-Nitroso-di-n-propylamine
Concen: 51.248 ng
RT: 8.587 min Scan# 9
Delta R.T. 0.000 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion: 70 Resp: 82780

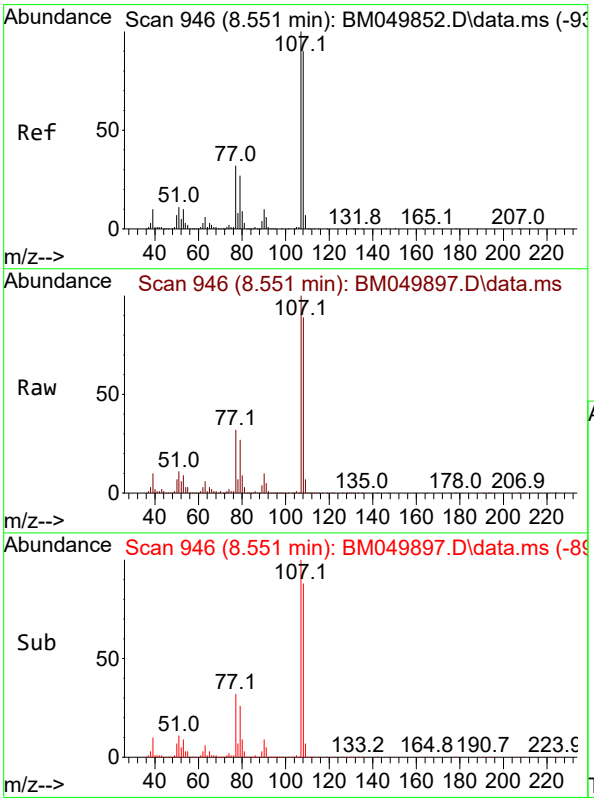
Ion	Ratio	Lower	Upper
70	100		
42	49.5	40.2	60.2
101	9.9	7.9	11.9
130	23.1	17.7	26.5



Instrument :
BNA_M
ClientSampleId :
GST3MS

Manual Integrations
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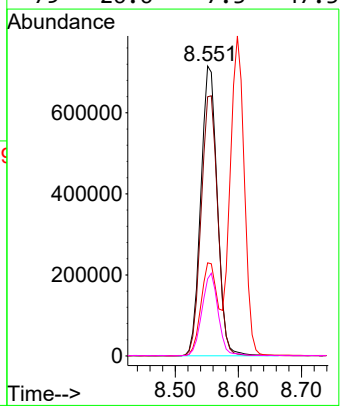
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

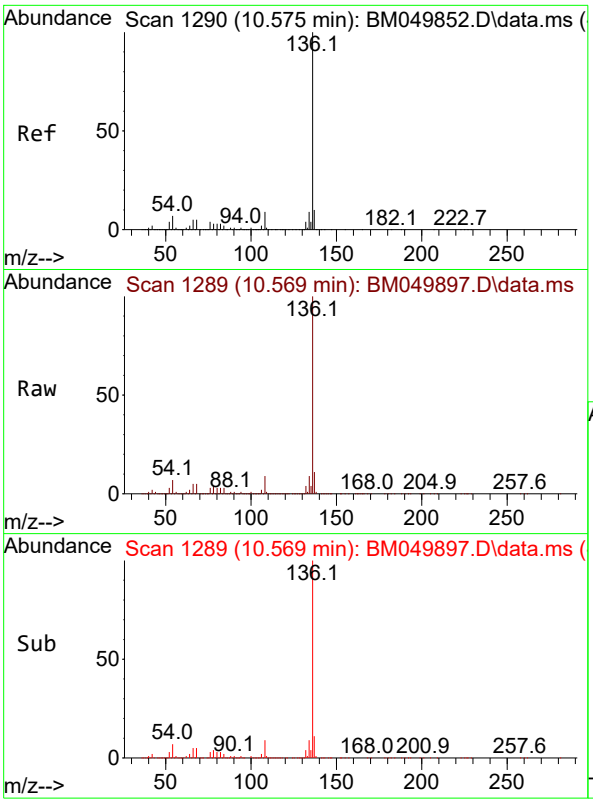


#20
3+4-Methylphenols
Concen: 54.202 ng
RT: 8.551 min Scan# 946
Delta R.T. 0.000 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:107 Resp: 1296004

Ion	Ratio	Lower	Upper
107	100		
108	89.4	69.6	109.6
77	32.1	11.7	51.7
79	26.6	7.3	47.3

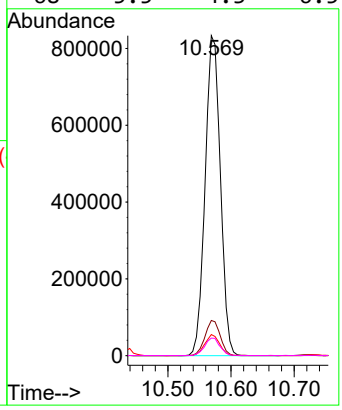




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.569 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:136 Resp: 140022

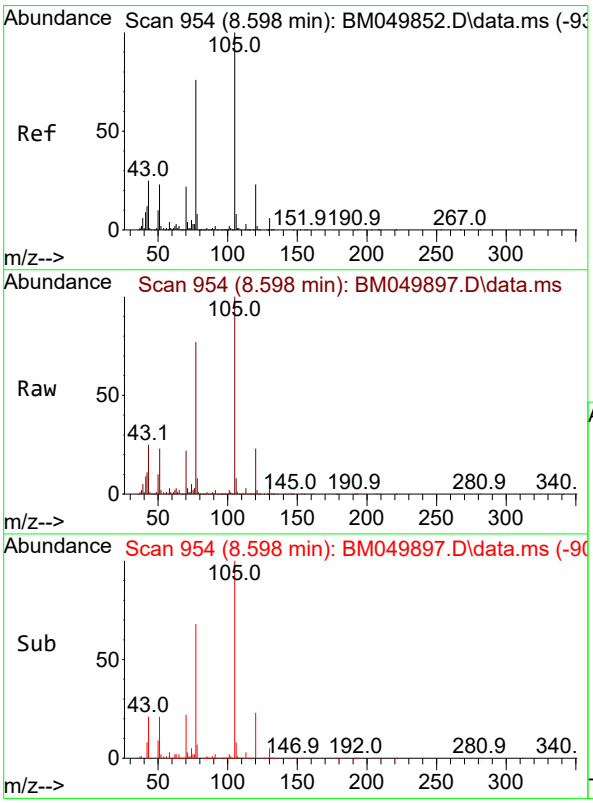
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	6.6	5.3	7.9
68	5.5	4.3	6.5



Instrument :
BNA_M
ClientSampleId :
GST3MS

Manual Integrations
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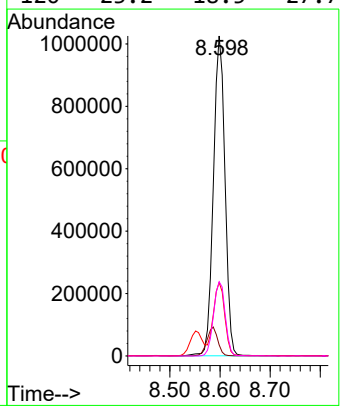
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

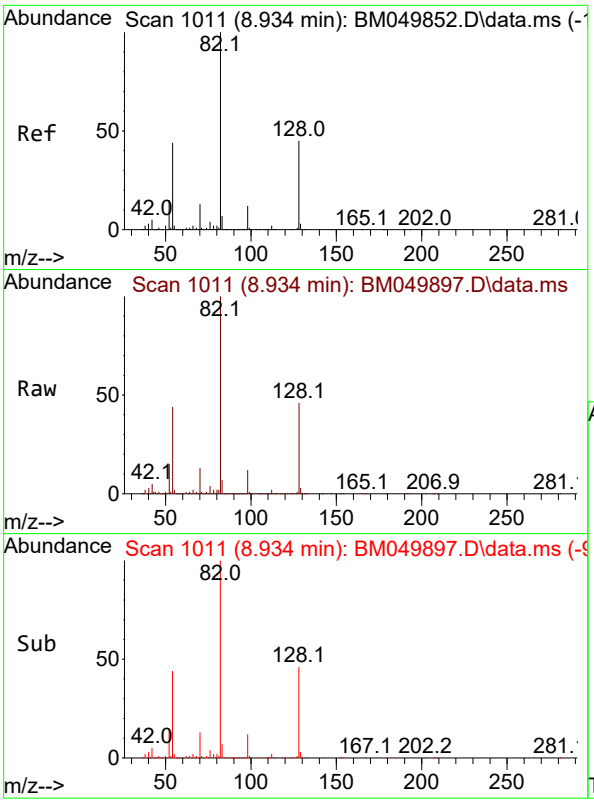


#22
Acetophenone
Concen: 48.206 ng
RT: 8.598 min Scan# 954
Delta R.T. 0.000 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:105 Resp: 1640443

Ion	Ratio	Lower	Upper
105	100		
71	3.5	3.0	4.4
51	22.9	18.6	27.8
120	23.2	18.5	27.7





#23
Nitrobenzene-d5
Concen: 72.634 ng
RT: 8.934 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

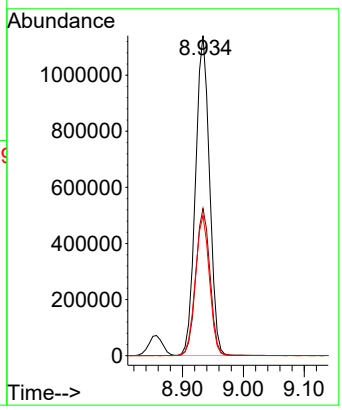
Tgt Ion: 82 Resp: 182640

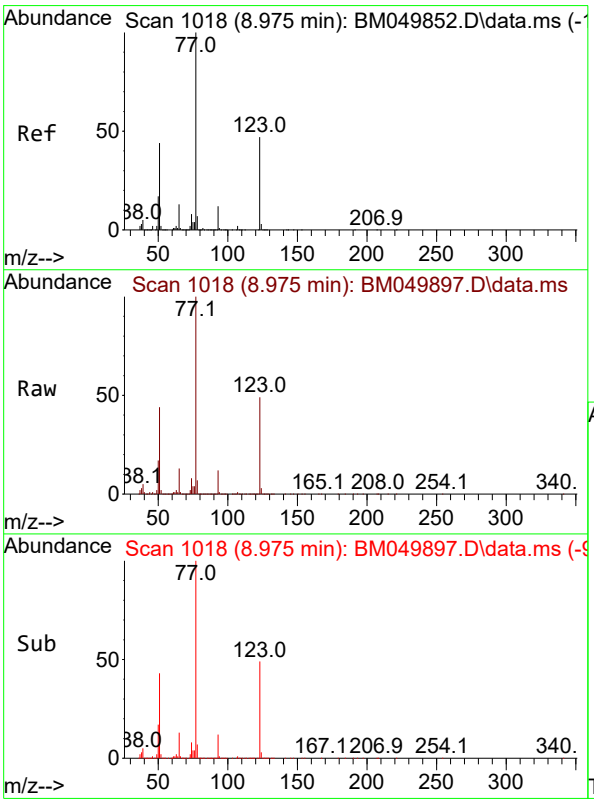
Ion	Ratio	Lower	Upper
82	100		
128	46.0	36.2	54.2
54	43.8	35.0	52.6

Instrument :
BNA_M
ClientSampleId :
GST3MS

Manual Integrations
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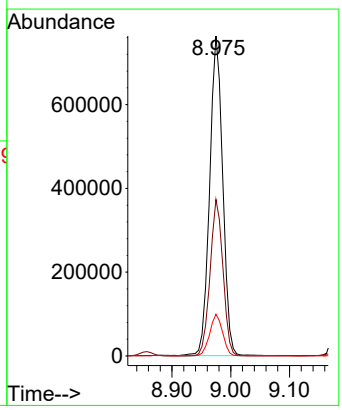


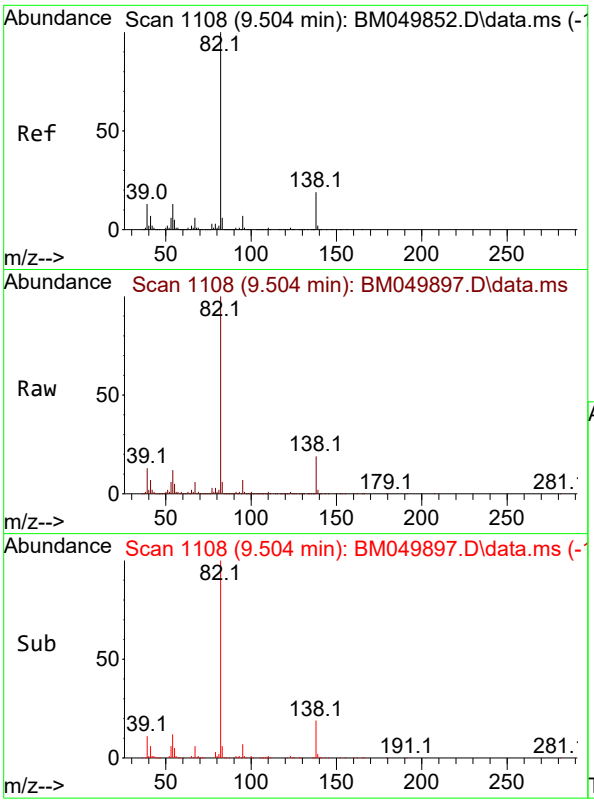


#24
Nitrobenzene
Concen: 48.666 ng
RT: 8.975 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion: 77 Resp: 1178336

Ion	Ratio	Lower	Upper
77	100		
123	48.9	37.4	56.2
65	13.1	10.1	15.1

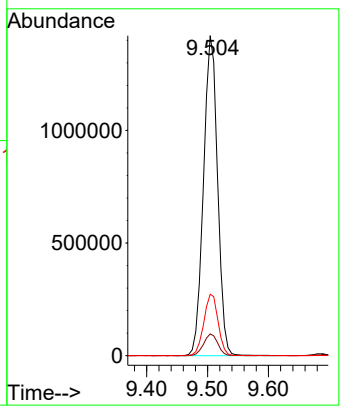




#25
Isophorone
Concen: 54.110 ng
RT: 9.504 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion: 82 Resp: 227930

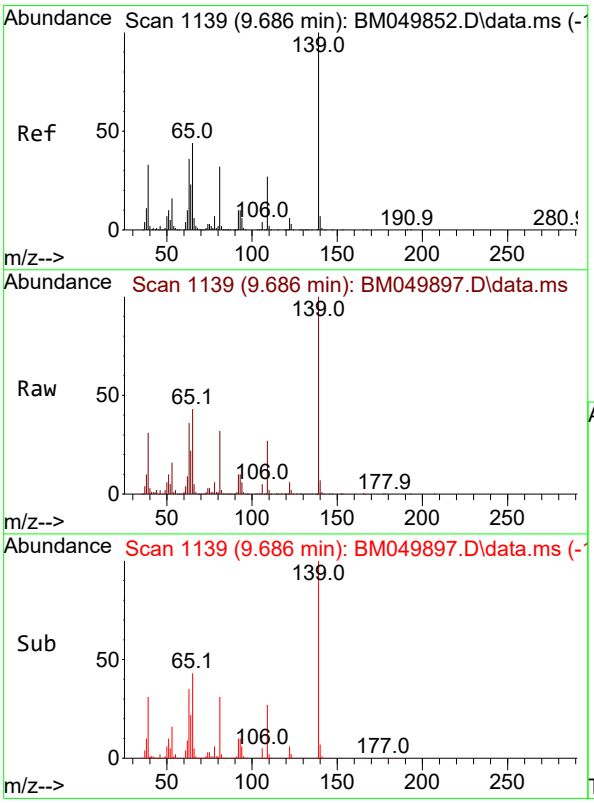
Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.4	8.2
138	19.2	15.0	22.6



Instrument :
BNA_M
ClientSampleId :
GST3MS

Manual Integrations
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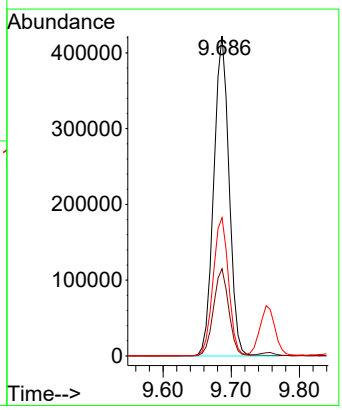
Reviewed By :Rahul Chavli 04/14/2025
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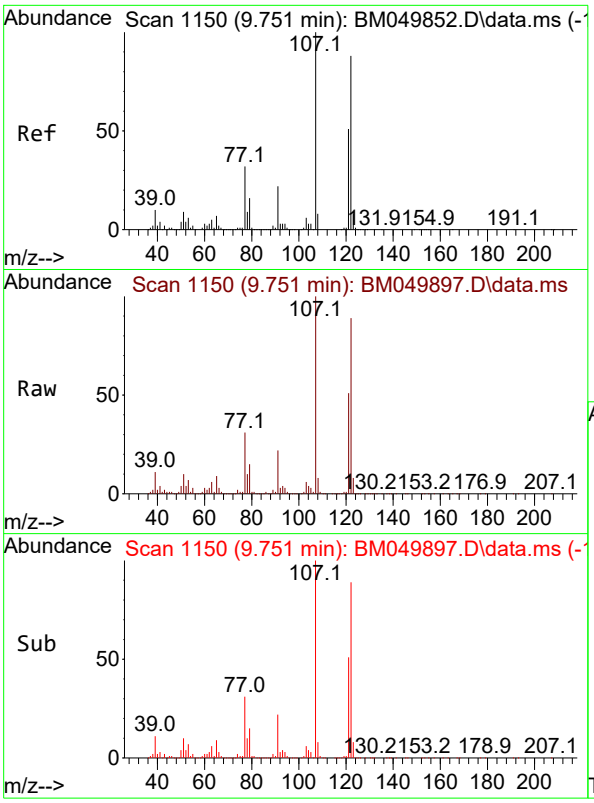


#26
2-Nitrophenol
Concen: 51.415 ng
RT: 9.686 min Scan# 1139
Delta R.T. 0.000 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:139 Resp: 659816

Ion	Ratio	Lower	Upper
139	100		
109	27.3	21.7	32.5
65	43.2	35.2	52.8

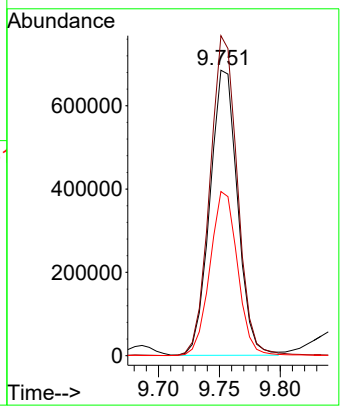




#27
2,4-Dimethylphenol
Concen: 74.353 ng
RT: 9.751 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:122 Resp: 108136

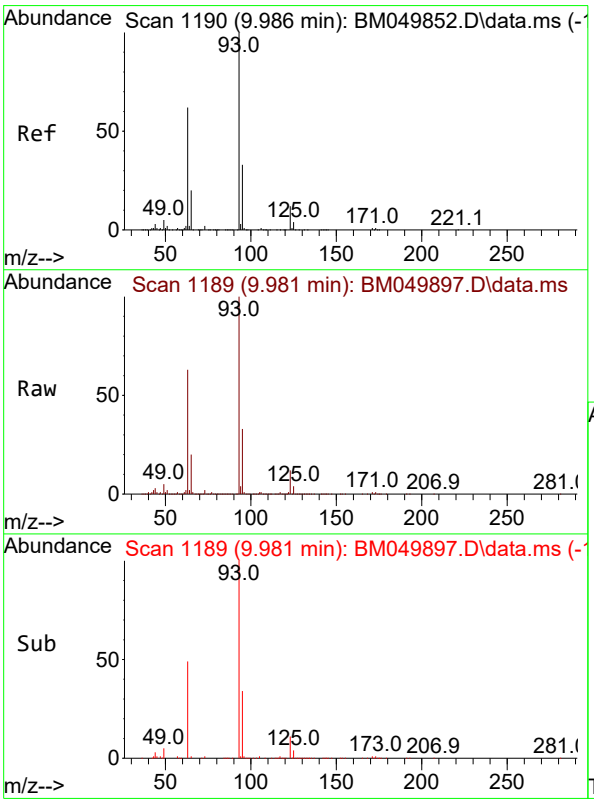
Ion	Ratio	Lower	Upper
122	100		
107	112.1	90.3	135.5
121	57.5	46.1	69.1



Instrument :
BNA_M
ClientSampleId :
GST3MS

Manual Integrations
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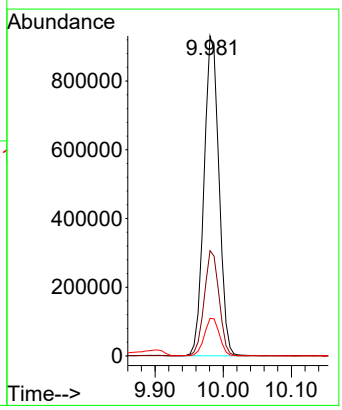
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

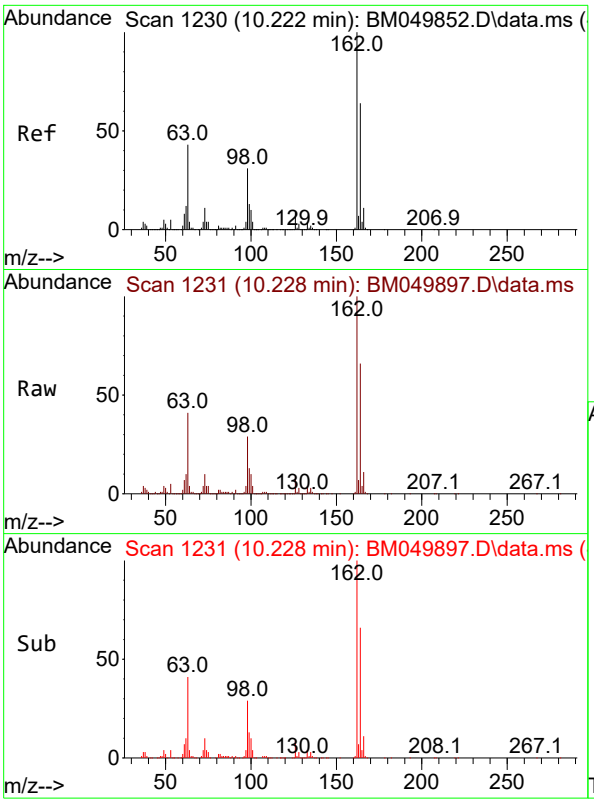


#28
bis(2-Chloroethoxy)methane
Concen: 50.575 ng
RT: 9.981 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion: 93 Resp: 1426247

Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.6	40.0
123	11.7	9.5	14.3

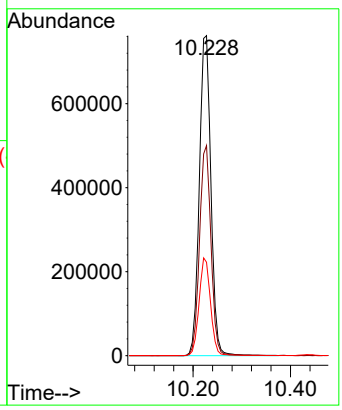




#29
2,4-Dichlorophenol
Concen: 52.040 ng
RT: 10.228 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:162 Resp: 125808

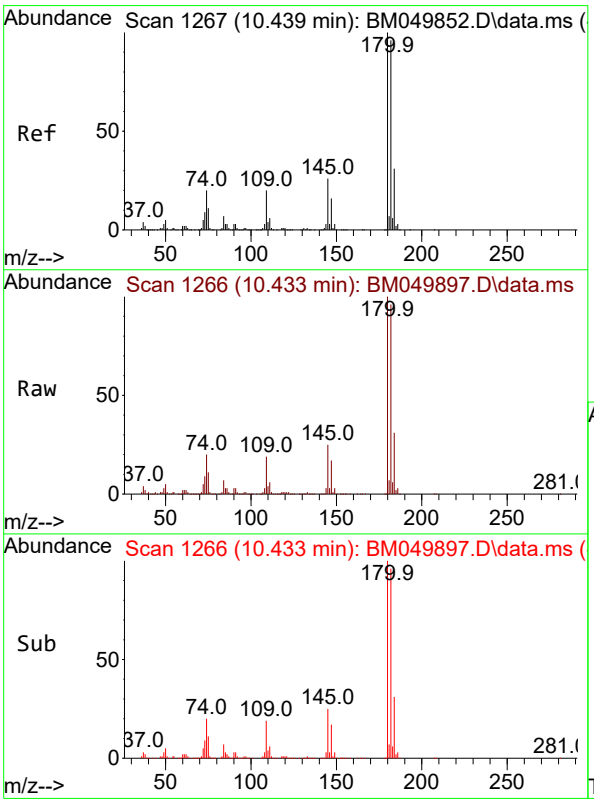
Ion	Ratio	Lower	Upper
162	100		
164	65.7	44.3	84.3
98	29.2	10.9	50.9



Instrument :
BNA_M
ClientSampleId :
GST3MS

Manual Integrations
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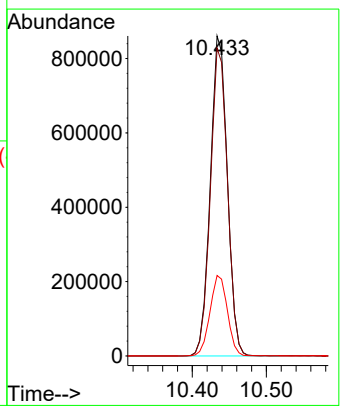
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

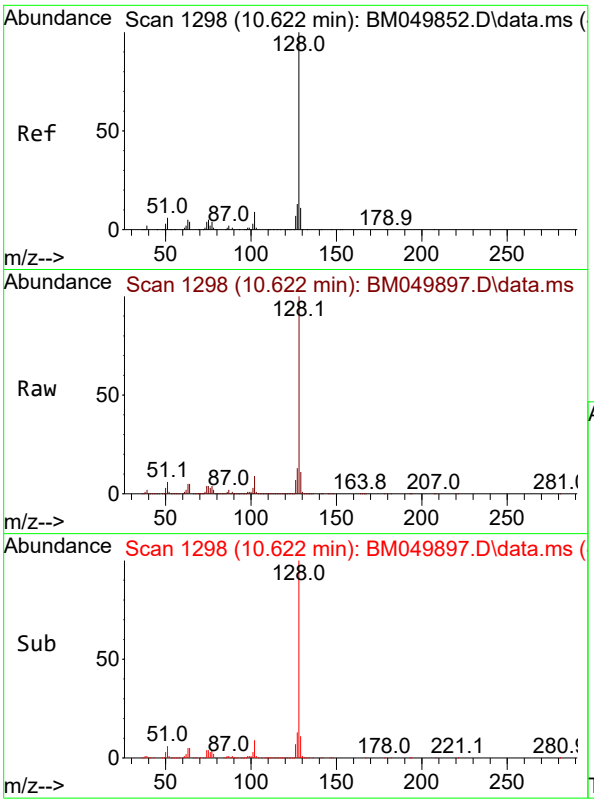


#30
1,2,4-Trichlorobenzene
Concen: 49.124 ng
RT: 10.433 min Scan# 1266
Delta R.T. -0.006 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:180 Resp: 1373870

Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.7	115.1
145	25.2	20.8	31.2

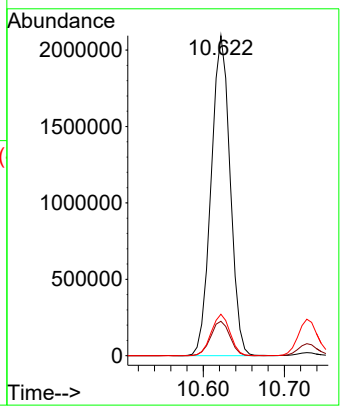




#31
Naphthalene
Concen: 47.237 ng
RT: 10.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:128 Resp: 339869

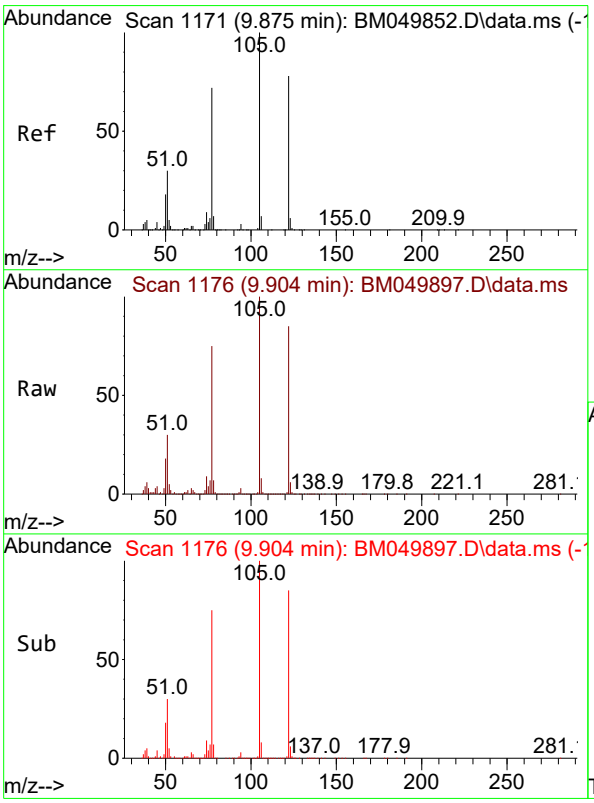
Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	13.0	10.6	15.8



Instrument :
BNA_M
ClientSampleId :
GST3MS

Manual Integrations
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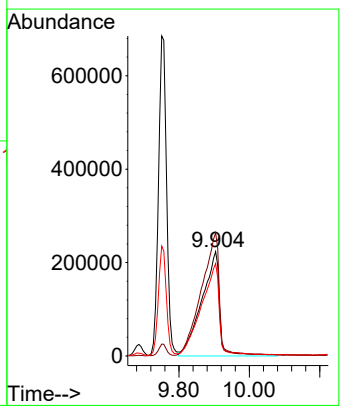
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

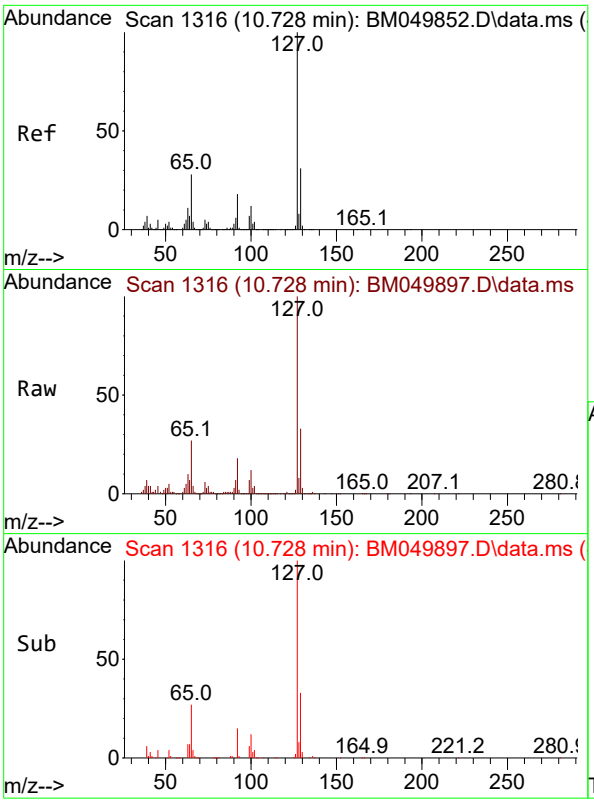


#32
Benzoic acid
Concen: 44.664 ng m
RT: 9.904 min Scan# 1176
Delta R.T. 0.029 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:122 Resp: 792138

Ion	Ratio	Lower	Upper
122	100		
105	118.1	103.8	143.8
77	88.6	70.7	110.7

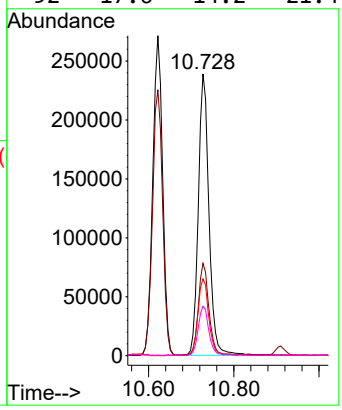




#33
4-Chloroaniline
Concen: 16.370 ng
RT: 10.728 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:127 Resp: 41589

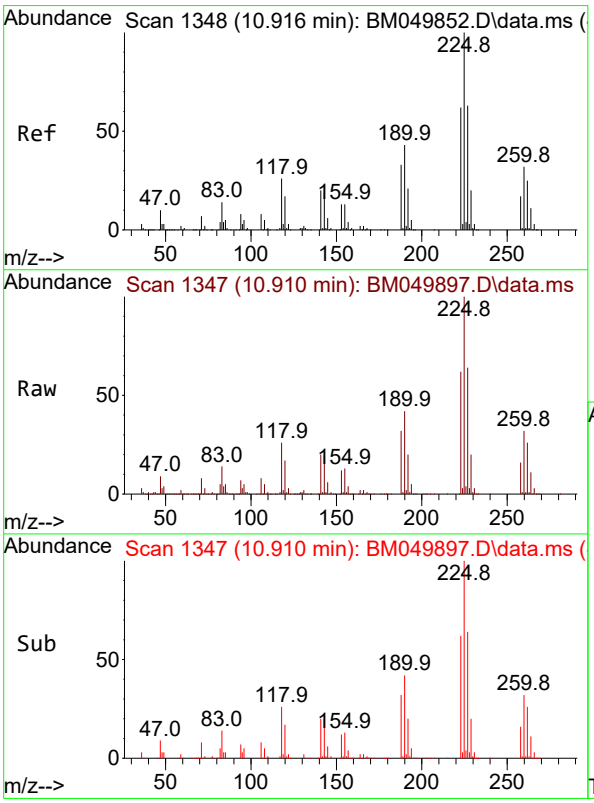
Ion	Ratio	Lower	Upper
127	100		
129	32.8	24.9	37.3
65	27.3	22.4	33.6
92	17.6	14.2	21.4



Instrument :
BNA_M
ClientSampleId :
GST3MS

Manual Integrations
APPROVED

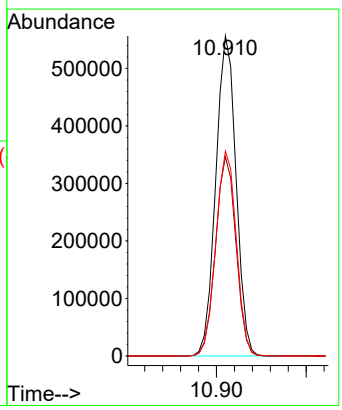
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

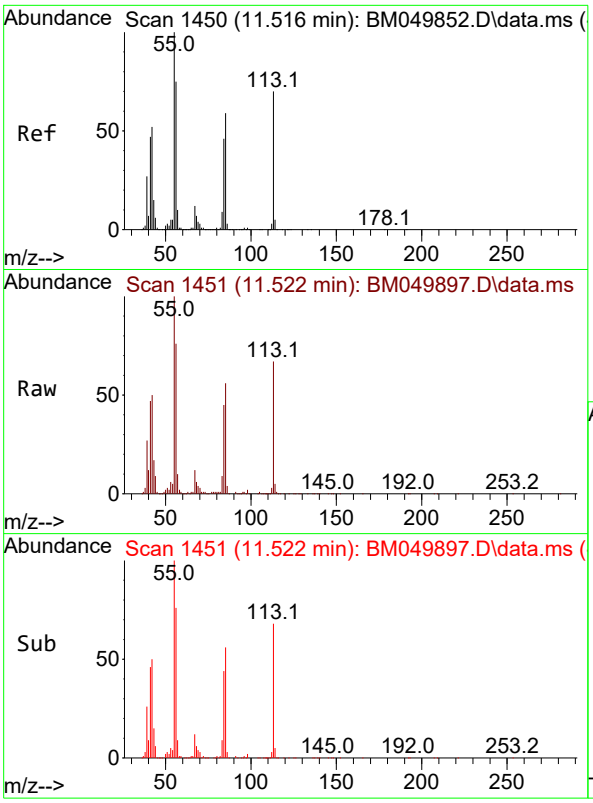


#34
Hexachlorobutadiene
Concen: 50.428 ng
RT: 10.910 min Scan# 1347
Delta R.T. -0.006 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:225 Resp: 872371

Ion	Ratio	Lower	Upper
225	100		
223	62.2	49.4	74.2
227	64.0	50.1	75.1





#35
Caprolactam
Concen: 50.164 ng
RT: 11.522 min Scan# 14
Delta R.T. 0.006 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

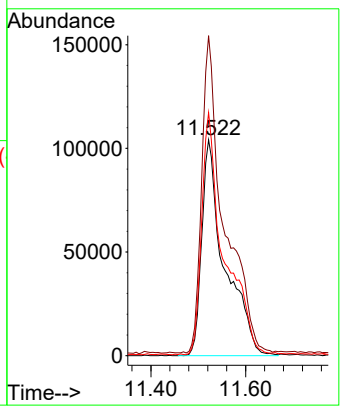
Tgt Ion:113 Resp: 34782

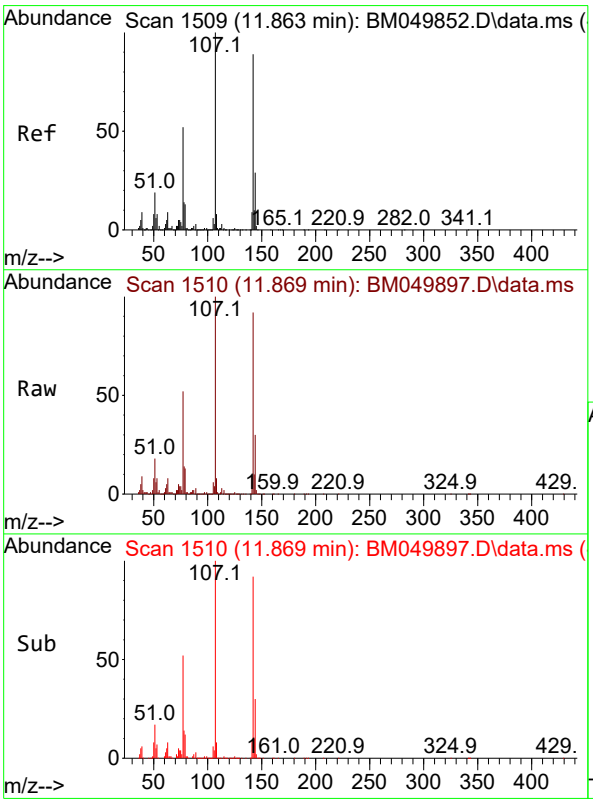
Ion	Ratio	Lower	Upper
113	100		
55	148.3	124.3	164.3
56	112.6	87.5	127.5

Instrument :
BNA_M
ClientSampleId :
GST3MS

Manual Integrations
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Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

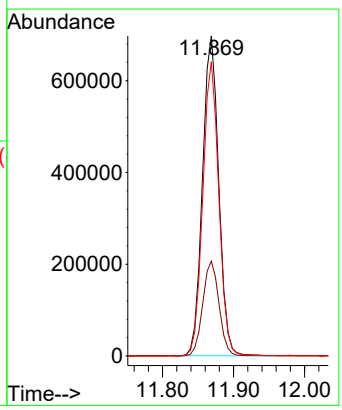


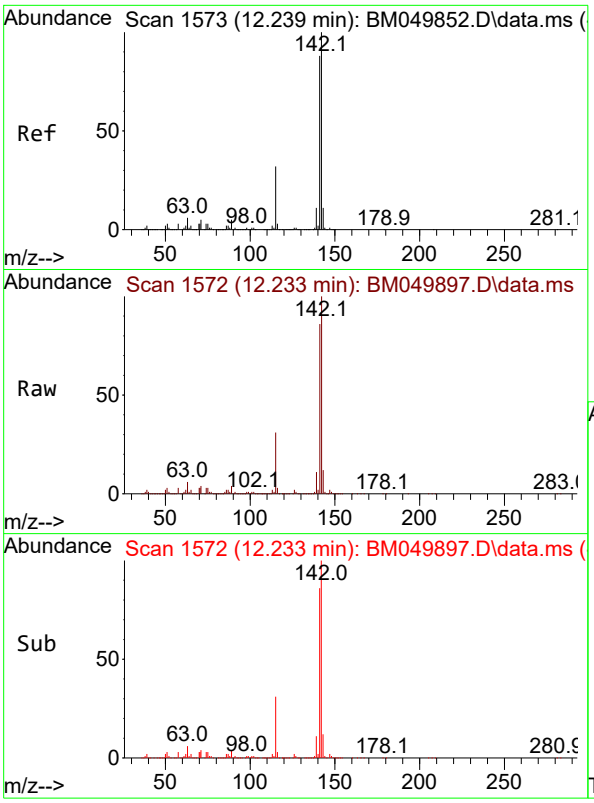


#36
4-Chloro-3-methylphenol
Concen: 52.374 ng
RT: 11.869 min Scan# 1510
Delta R.T. 0.006 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:107 Resp: 1109094

Ion	Ratio	Lower	Upper
107	100		
144	29.6	23.6	35.4
142	92.0	71.4	107.0

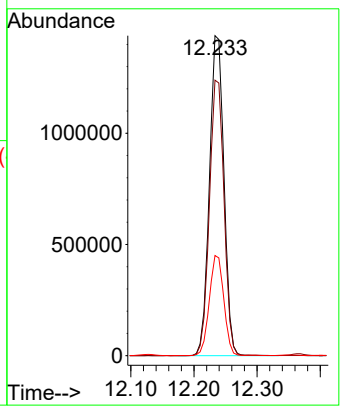




#37
2-Methylnaphthalene
Concen: 45.186 ng
RT: 12.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:142 Resp: 229057

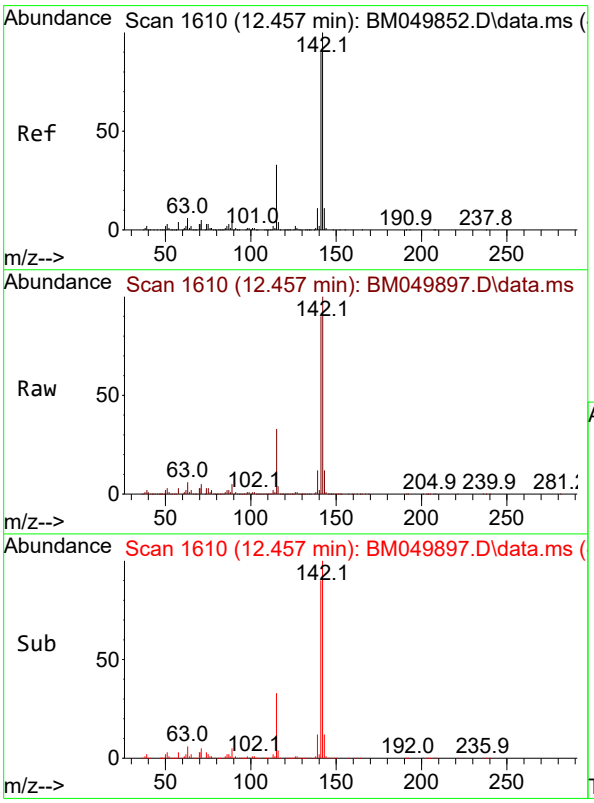
Ion	Ratio	Lower	Upper
142	100		
141	86.1	70.2	105.2
115	31.3	25.4	38.2



Instrument :
BNA_M
ClientSampleId :
GST3MS

Manual Integrations
APPROVED

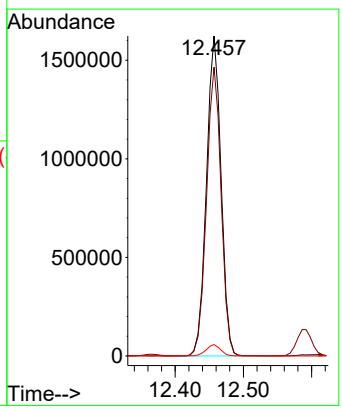
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

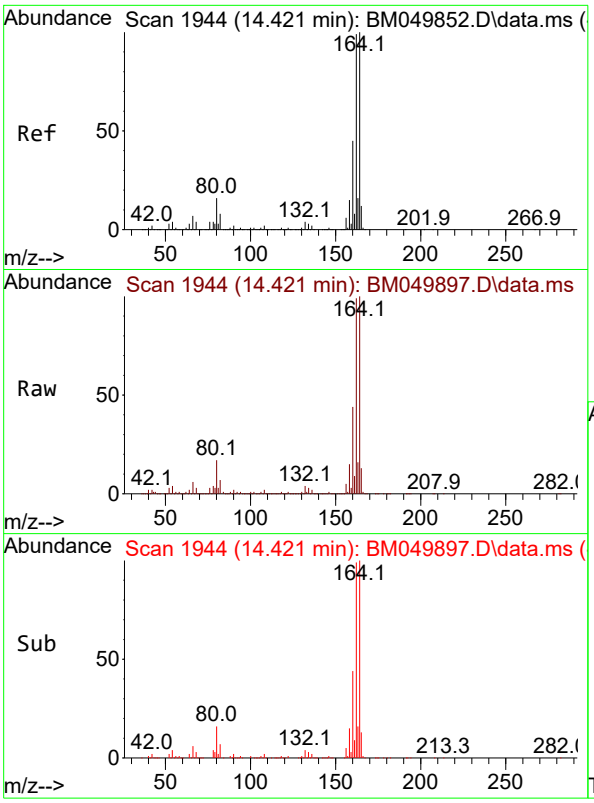


#38
1-Methylnaphthalene
Concen: 48.815 ng
RT: 12.457 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:142 Resp: 2410802

Ion	Ratio	Lower	Upper
142	100		
141	90.3	72.2	108.2
116	3.5	2.9	4.3

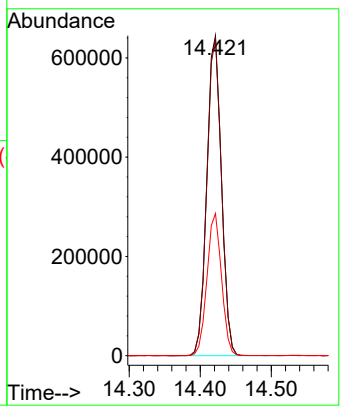




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.421 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:164 Resp: 92159

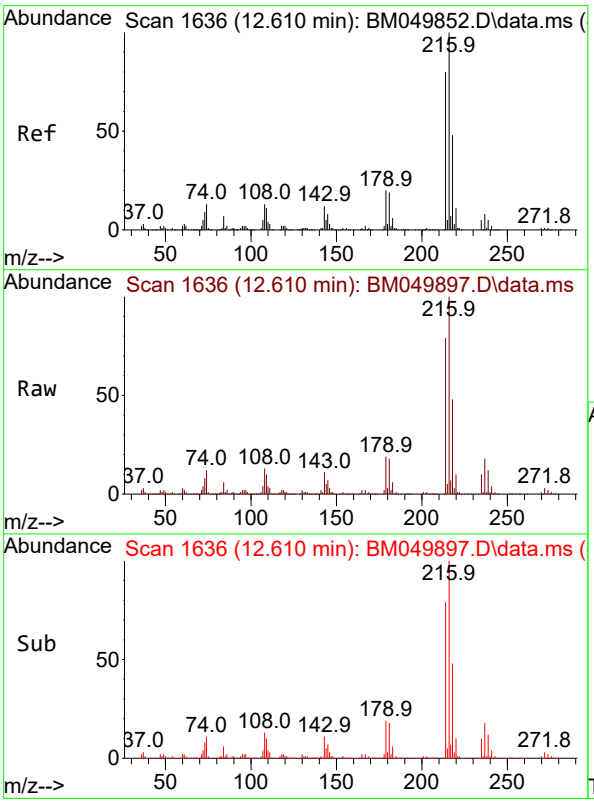
Ion	Ratio	Lower	Upper
164	100		
162	99.2	79.4	119.0
160	44.5	36.2	54.2



Instrument :
BNA_M
ClientSampleId :
GST3MS

Manual Integrations
APPROVED

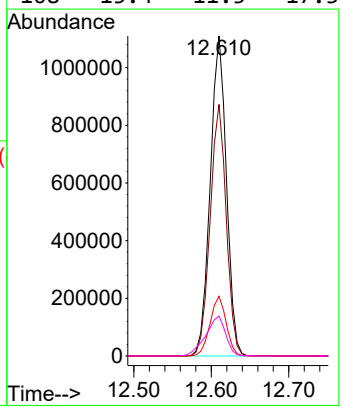
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

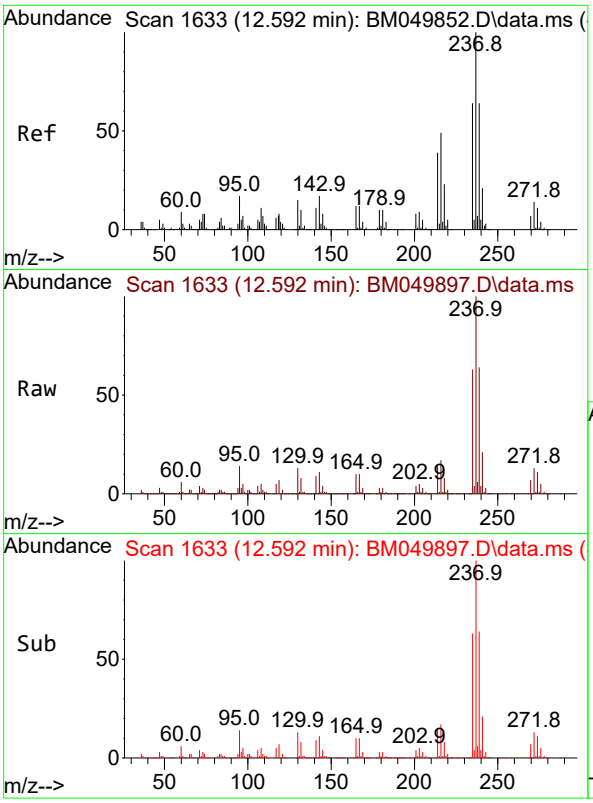


#40
1,2,4,5-Tetrachlorobenzene
Concen: 50.054 ng
RT: 12.610 min Scan# 1636
Delta R.T. 0.000 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:216 Resp: 1613836

Ion	Ratio	Lower	Upper
216	100		
214	78.3	63.2	94.8
179	18.6	15.8	23.6
108	15.4	11.5	17.3





#41
Hexachlorocyclopentadiene
Concen: 191.075 ng
RT: 12.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

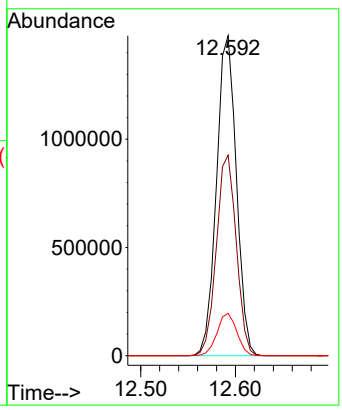
Instrument :
BNA_M
ClientSampleId :
GST3MS

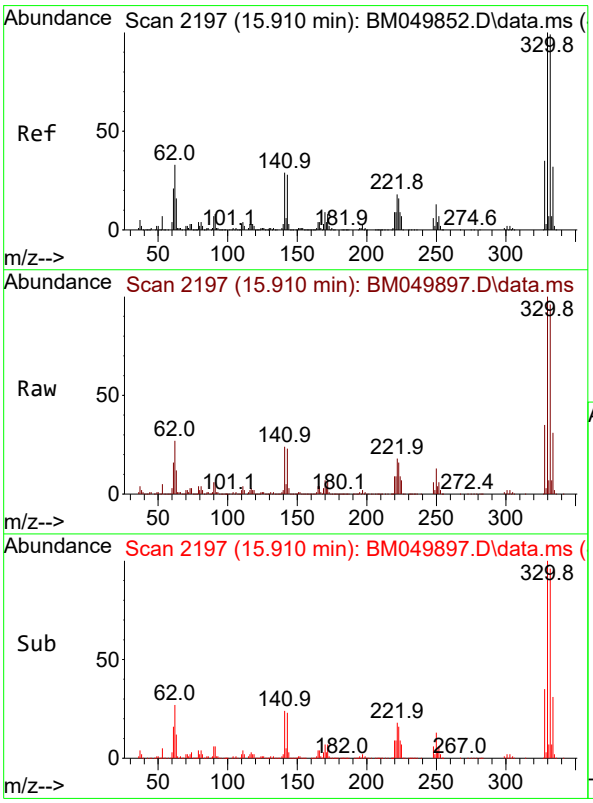
Tgt Ion:237 Resp: 215870

Ion	Ratio	Lower	Upper
237	100		
235	62.7	43.7	83.7
272	13.2	0.0	33.5

Manual Integrations
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Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

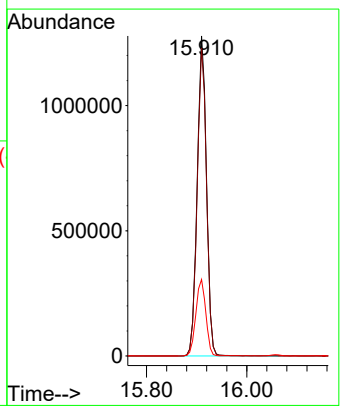


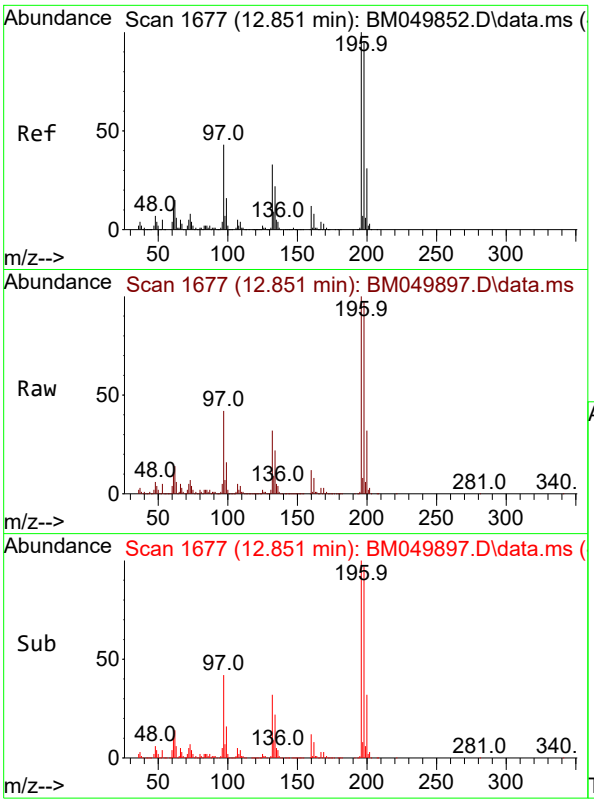


#42
2,4,6-Tribromophenol
Concen: 122.313 ng
RT: 15.910 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:330 Resp: 1639606

Ion	Ratio	Lower	Upper
330	100		
332	96.9	78.0	117.0
141	25.7	23.5	35.3





#43
2,4,6-Trichlorophenol
Concen: 52.401 ng
RT: 12.851 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

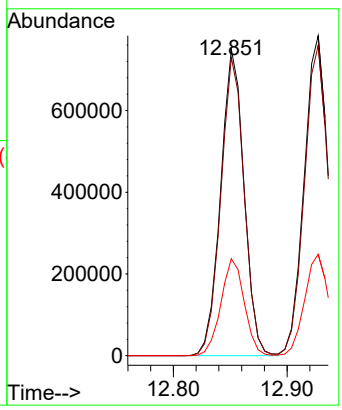
Tgt Ion:196 Resp: 107509

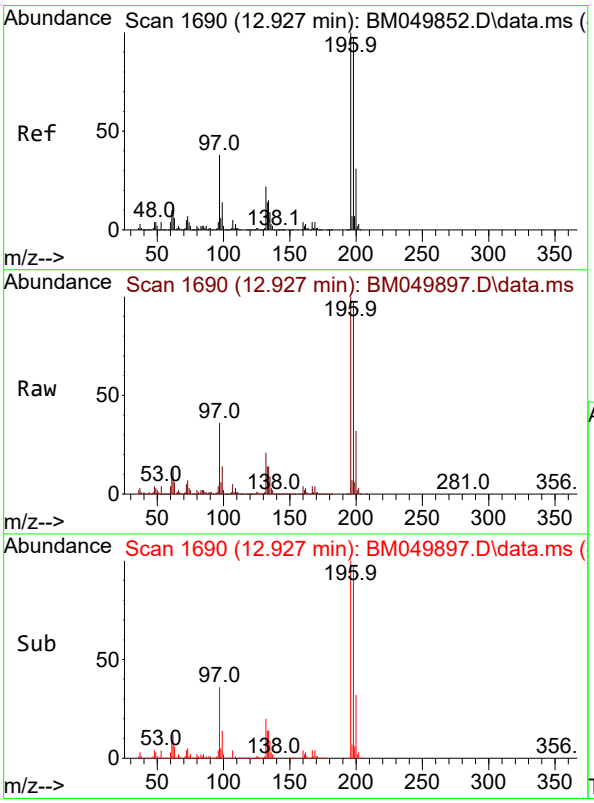
Ion	Ratio	Lower	Upper
196	100		
198	97.3	76.1	114.1
200	31.7	24.7	37.1

Instrument :
BNA_M
ClientSampleId :
GST3MS

Manual Integrations
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Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

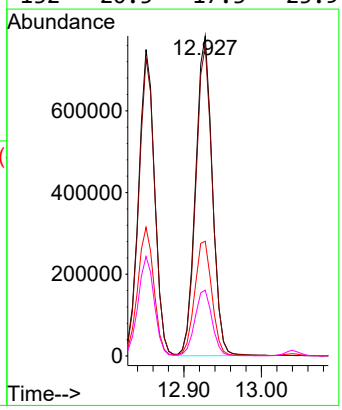


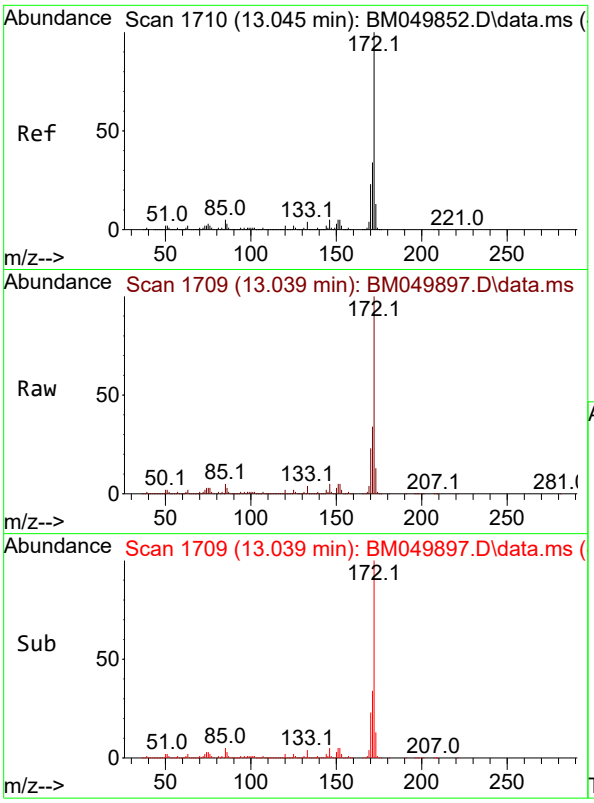


#44
2,4,5-Trichlorophenol
Concen: 52.484 ng
RT: 12.927 min Scan# 1690
Delta R.T. 0.000 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:196 Resp: 1170147

Ion	Ratio	Lower	Upper
196	100		
198	96.9	77.7	116.5
97	35.9	30.3	45.5
132	20.5	17.3	25.9

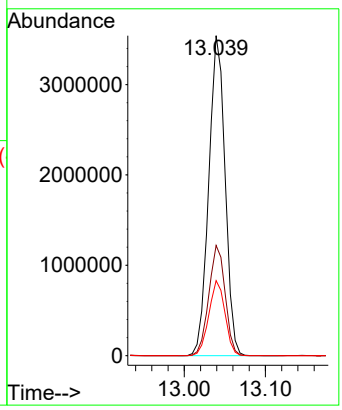




#45
2-Fluorobiphenyl
Concen: 72.747 ng
RT: 13.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:172 Resp: 494415

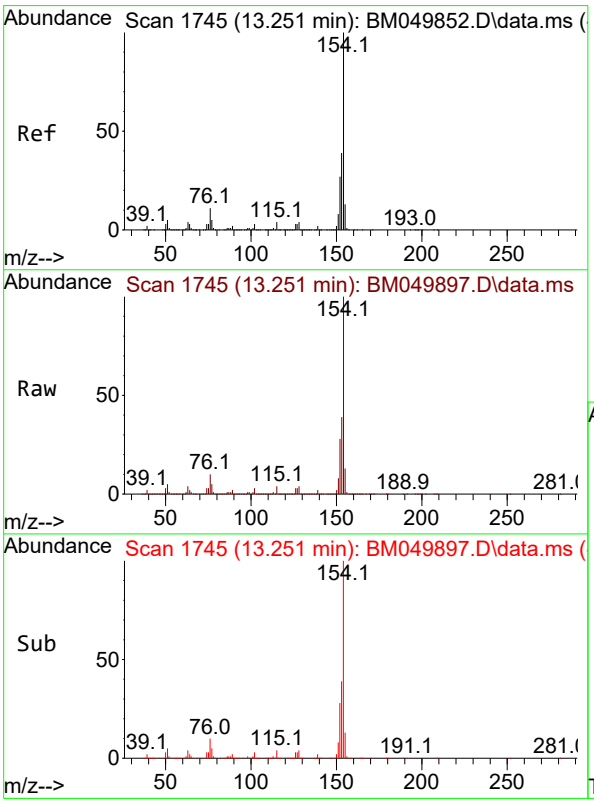
Ion	Ratio	Lower	Upper
172	100		
171	34.4	27.4	41.2
170	23.5	18.6	28.0



Instrument :
BNA_M
ClientSampleId :
GST3MS

Manual Integrations
APPROVED

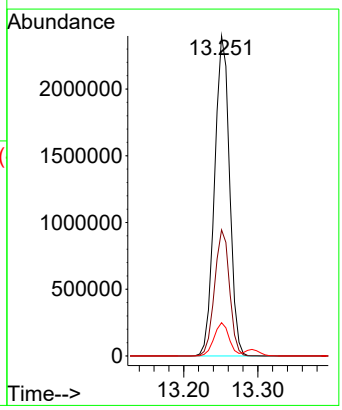
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

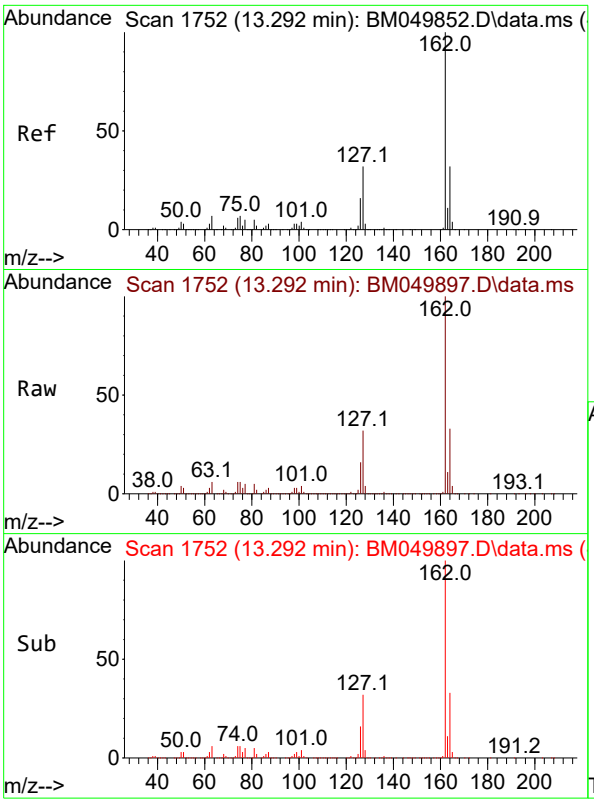


#46
1,1'-Biphenyl
Concen: 49.092 ng
RT: 13.251 min Scan# 1745
Delta R.T. 0.000 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:154 Resp: 3363229

Ion	Ratio	Lower	Upper
154	100		
153	39.4	19.3	59.3
76	10.4	0.0	30.7

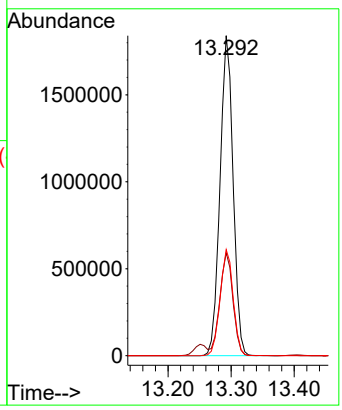




#47
2-Chloronaphthalene
Concen: 49.101 ng
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:162 Resp: 264392

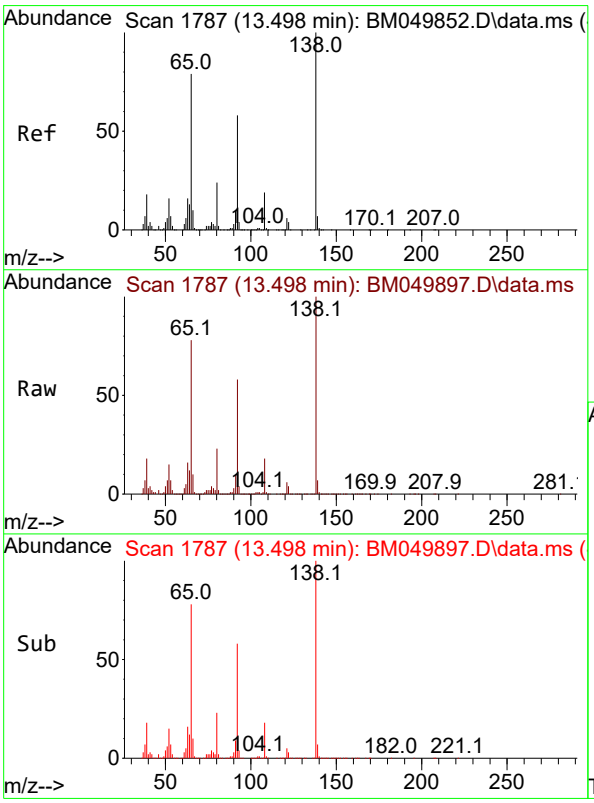
Ion	Ratio	Lower	Upper
162	100		
127	32.2	26.0	39.0
164	33.2	25.9	38.9



Instrument :
BNA_M
ClientSampleId :
GST3MS

Manual Integrations
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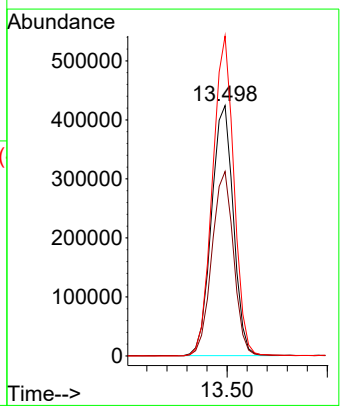
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

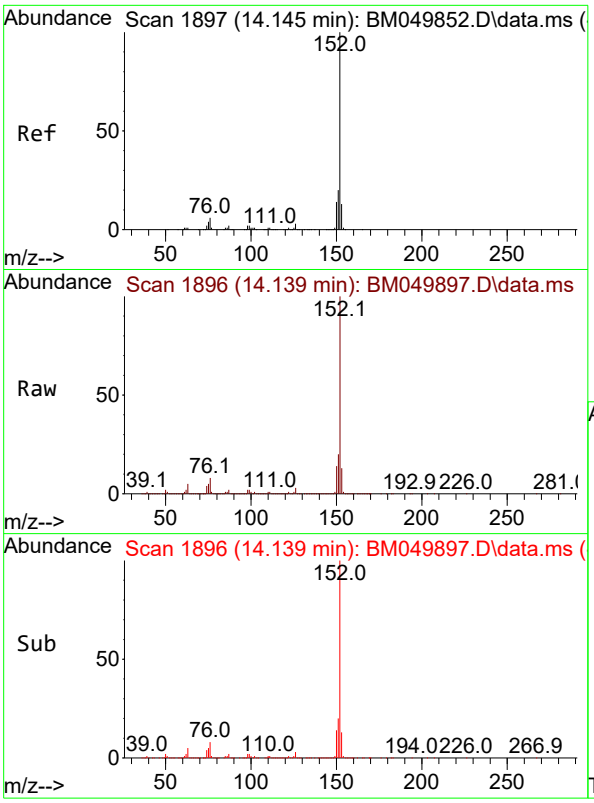


#48
2-Nitroaniline
Concen: 51.696 ng
RT: 13.498 min Scan# 1787
Delta R.T. 0.000 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion: 65 Resp: 643988

Ion	Ratio	Lower	Upper
65	100		
92	73.7	58.4	87.6
138	127.8	100.8	151.2





#49
Acenaphthylene
Concen: 53.517 ng
RT: 14.139 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

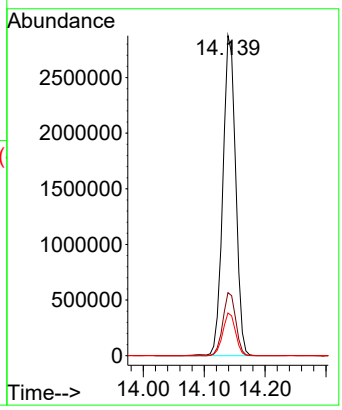
Instrument :
BNA_M
ClientSampleId :
GST3MS

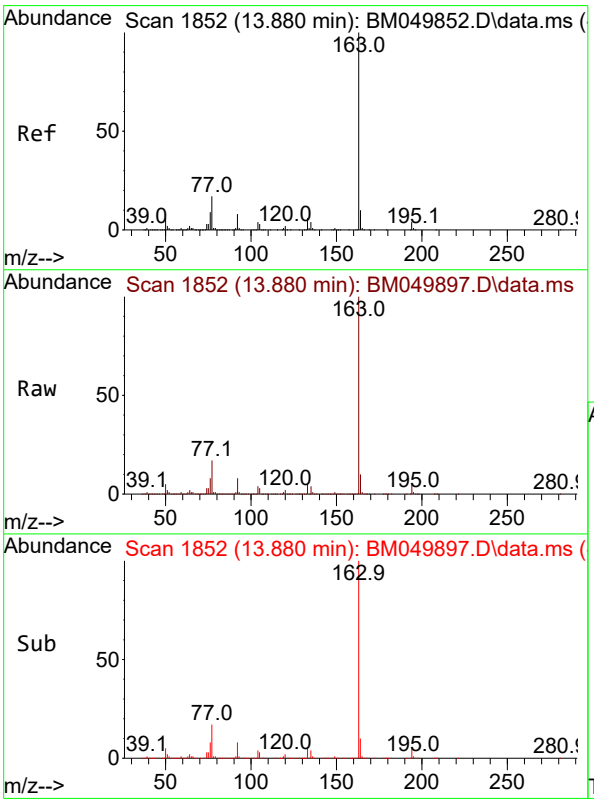
Tgt Ion:152 Resp: 419761

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.7	23.5
153	13.4	10.4	15.6

Manual Integrations
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Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

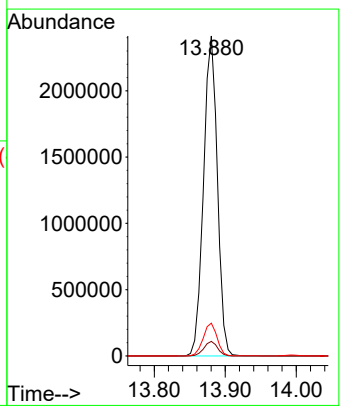


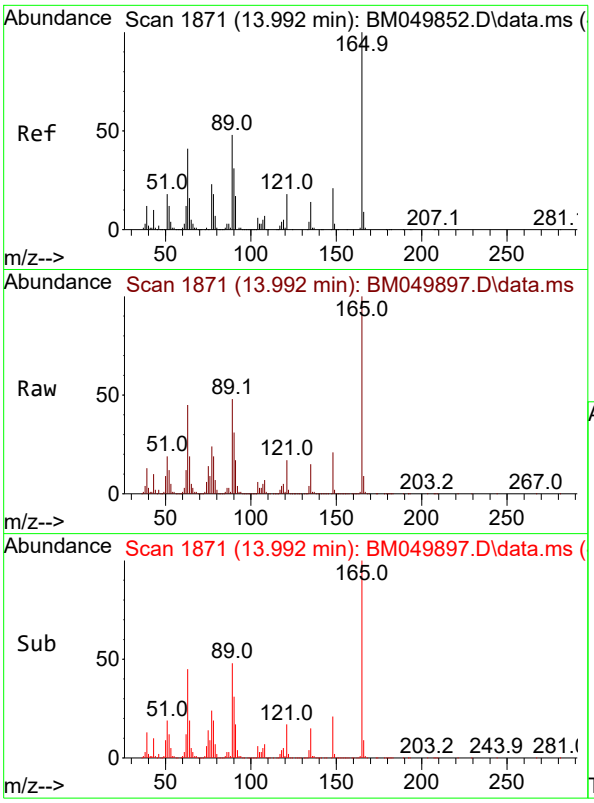


#50
Dimethylphthalate
Concen: 50.347 ng
RT: 13.880 min Scan# 1852
Delta R.T. 0.000 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:163 Resp: 3273425

Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.5	5.3
164	10.2	7.9	11.9





#51
2,6-Dinitrotoluene
Concen: 52.035 ng
RT: 13.992 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

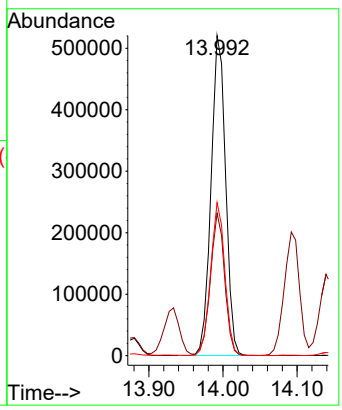
Tgt Ion:165 Resp: 70881

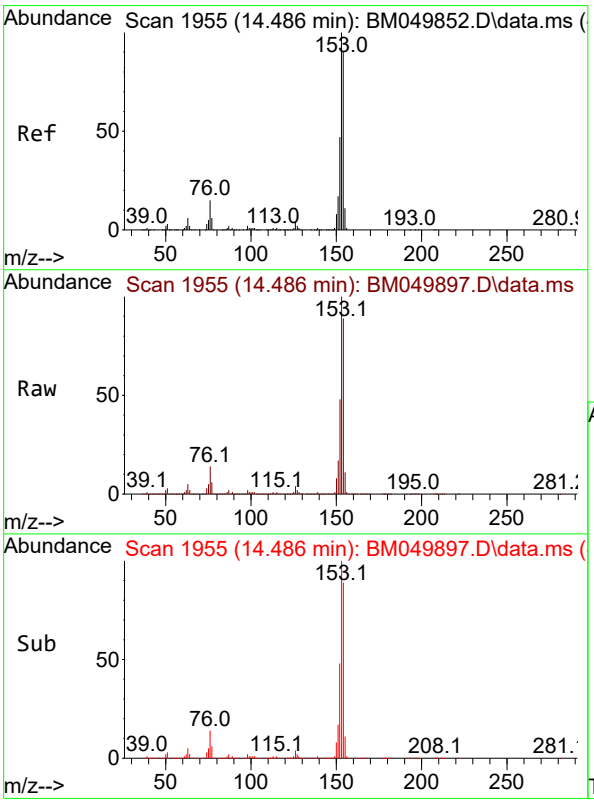
Ion	Ratio	Lower	Upper
165	100		
63	44.6	36.1	54.1
89	47.8	38.3	57.5

Instrument :
BNA_M
ClientSampleId :
GST3MS

Manual Integrations
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Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

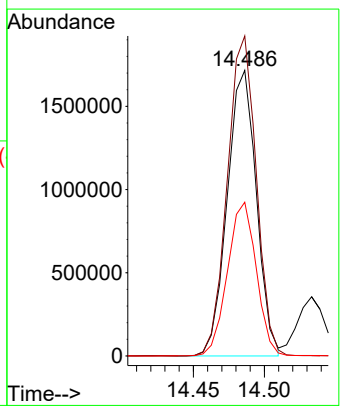


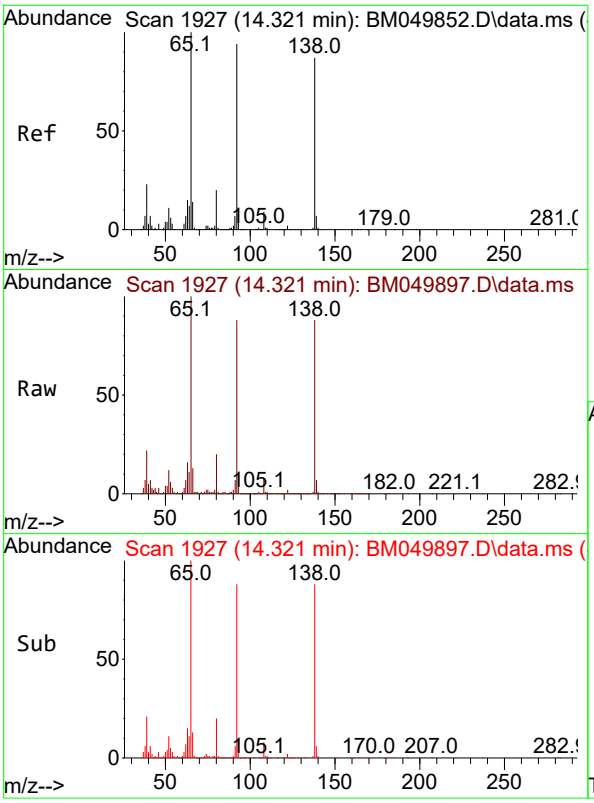


#52
Acenaphthene
Concen: 49.122 ng
RT: 14.486 min Scan# 1955
Delta R.T. 0.000 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:154 Resp: 2450799

Ion	Ratio	Lower	Upper
154	100		
153	112.1	89.3	133.9
152	53.8	42.2	63.2





#53
3-Nitroaniline
Concen: 22.083 ng
RT: 14.321 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

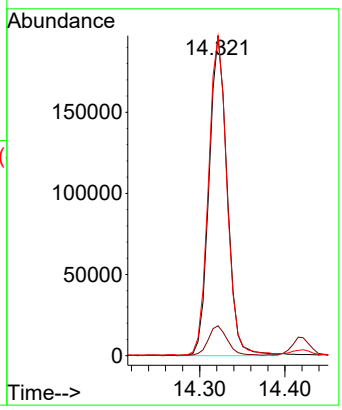
Tgt Ion:138 Resp: 29074

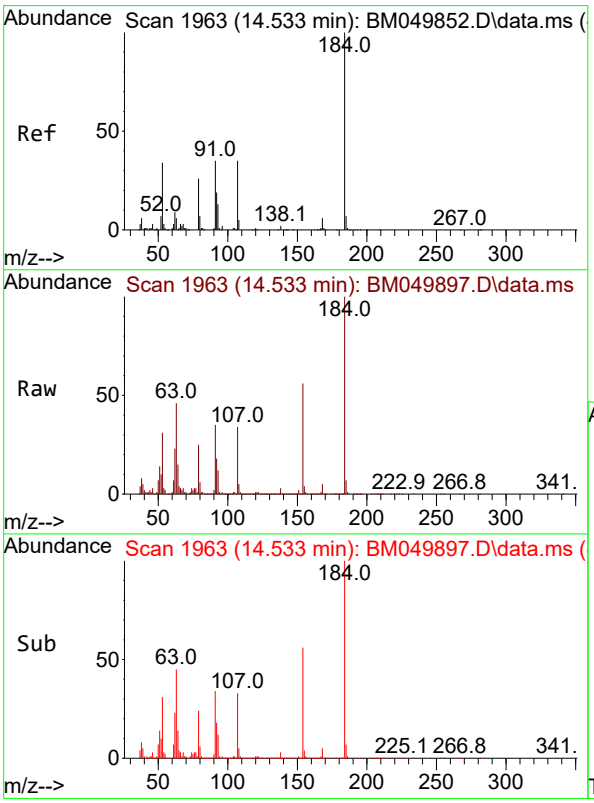
Ion	Ratio	Lower	Upper
138	100		
108	9.4	8.1	12.1
92	99.7	86.5	129.7

Instrument :
BNA_M
ClientSampleId :
GST3MS

Manual Integrations
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Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

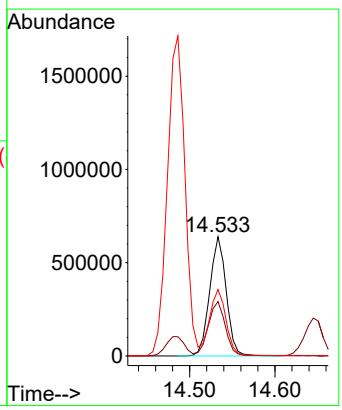


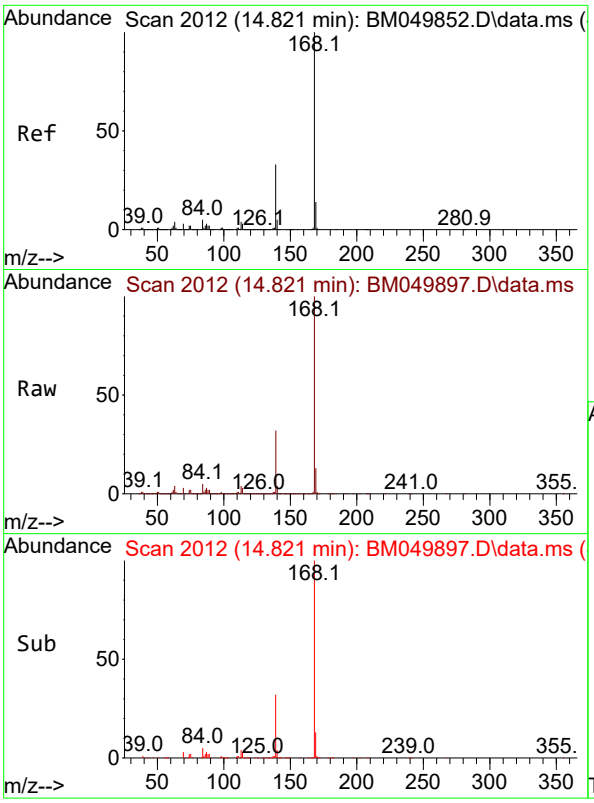


#54
2,4-Dinitrophenol
Concen: 86.760 ng
RT: 14.533 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:184 Resp: 862493

Ion	Ratio	Lower	Upper
184	100		
63	45.6	38.4	57.6
154	55.6	48.1	72.1

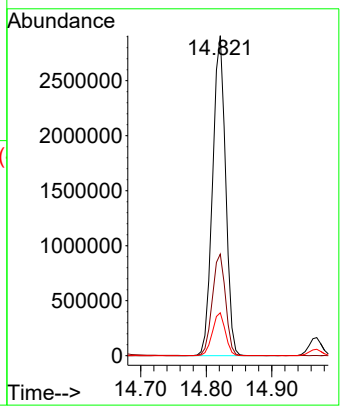




#55
Dibenzofuran
Concen: 47.926 ng
RT: 14.821 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:168 Resp: 399720

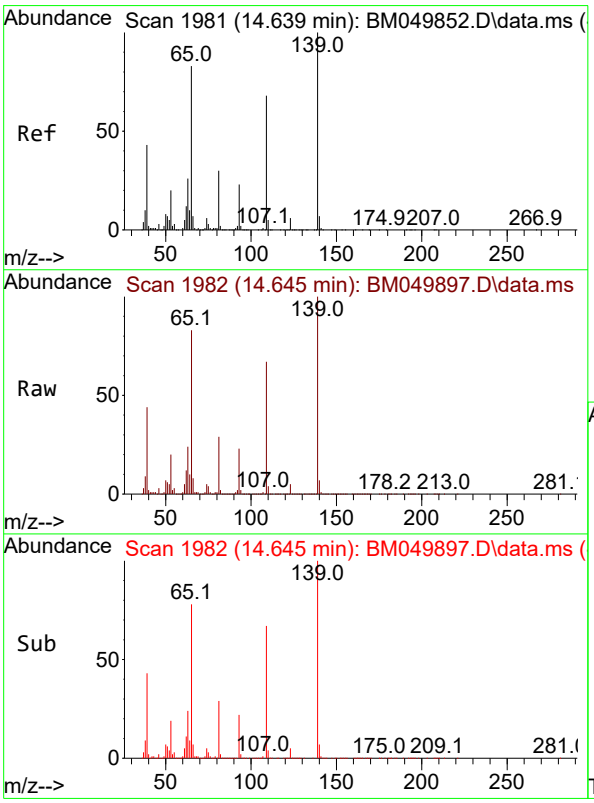
Ion	Ratio	Lower	Upper
168	100		
139	31.8	26.6	39.8
169	13.4	11.0	16.4



Instrument :
BNA_M
ClientSampleId :
GST3MS

Manual Integrations
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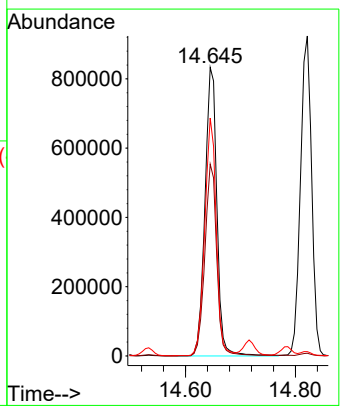
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

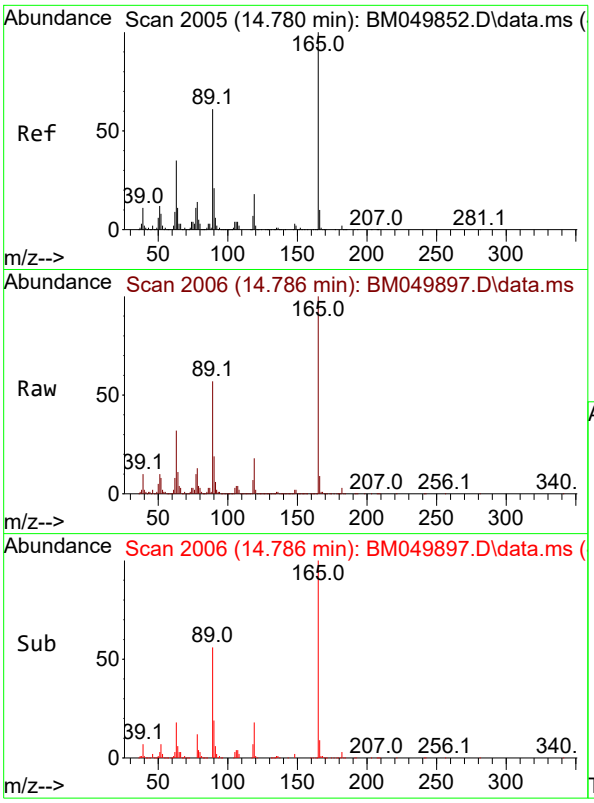


#56
4-Nitrophenol
Concen: 107.036 ng
RT: 14.645 min Scan# 1982
Delta R.T. 0.006 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:139 Resp: 1255789

Ion	Ratio	Lower	Upper
139	100		
109	66.5	47.9	87.9
65	82.5	62.7	102.7

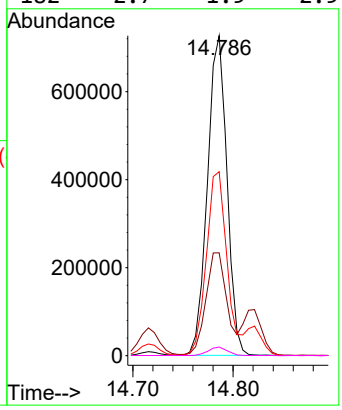




#57
2,4-Dinitrotoluene
Concen: 54.162 ng
RT: 14.786 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:165 Resp: 98427

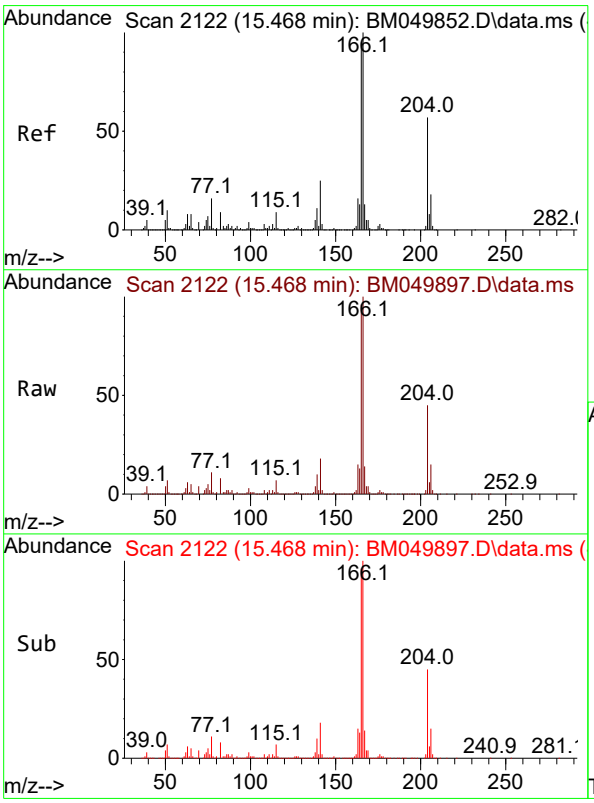
Ion	Ratio	Lower	Upper
165	100		
63	32.2	28.6	42.8
89	57.5	49.0	73.6
182	2.7	1.9	2.9



Instrument :
BNA_M
ClientSampleId :
GST3MS

Manual Integrations
APPROVED

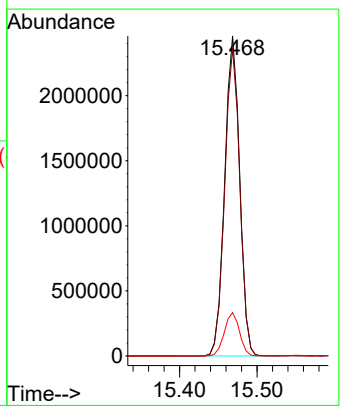
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

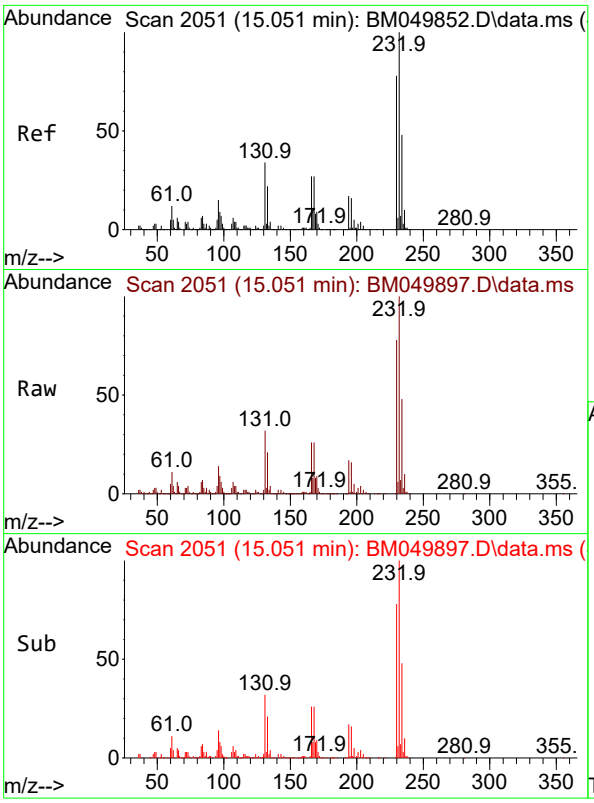


#58
Fluorene
Concen: 49.958 ng
RT: 15.468 min Scan# 2122
Delta R.T. 0.000 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:166 Resp: 3312023

Ion	Ratio	Lower	Upper
166	100		
165	96.2	76.3	114.5
167	13.6	10.7	16.1

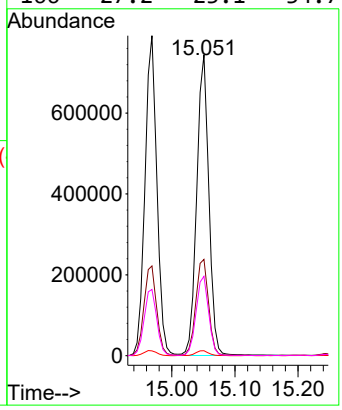




#59
2,3,4,6-Tetrachlorophenol
Concen: 50.723 ng
RT: 15.051 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:232 Resp: 99119

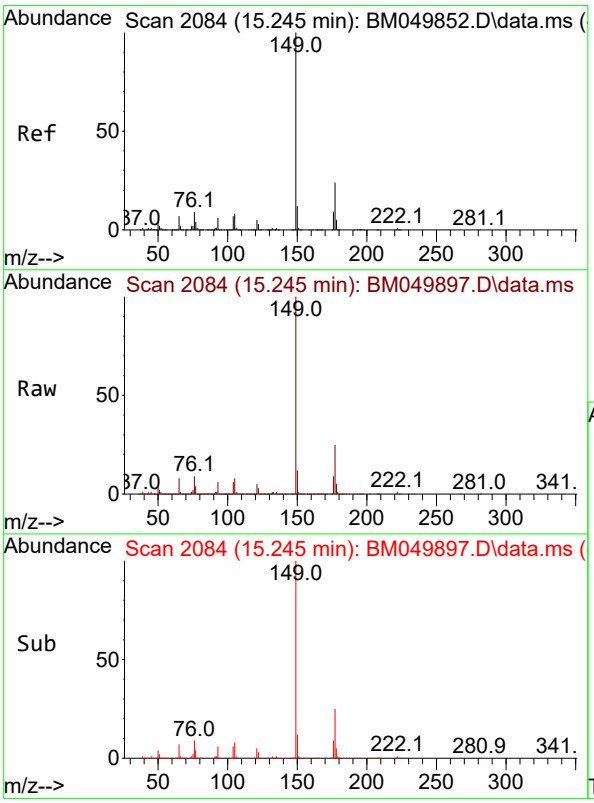
Ion	Ratio	Lower	Upper
232	100		
131	33.3	28.4	42.6
130	1.8	1.6	2.4
166	27.2	23.1	34.7



Instrument :
BNA_M
ClientSampleId :
GST3MS

Manual Integrations
APPROVED

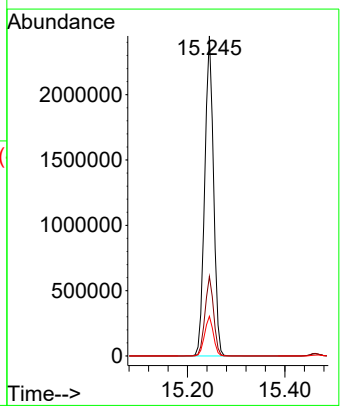
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

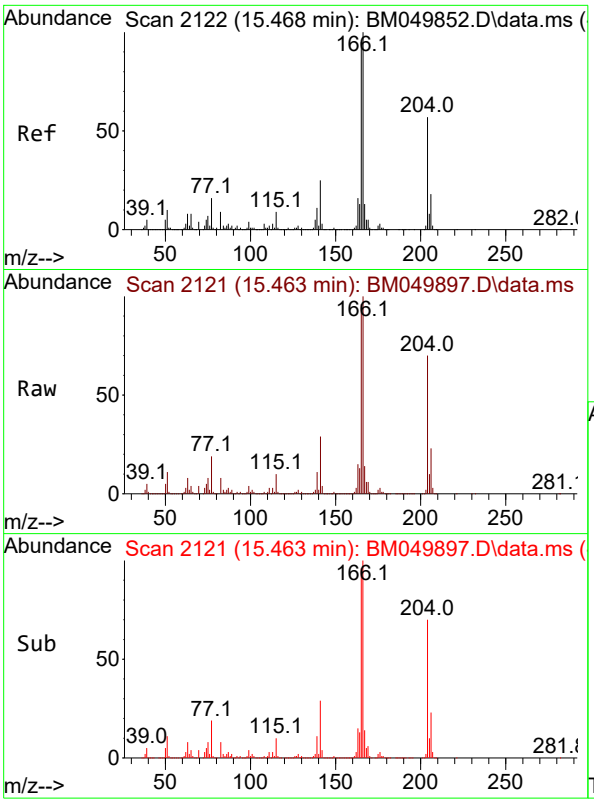


#60
Diethylphthalate
Concen: 49.010 ng
RT: 15.245 min Scan# 2084
Delta R.T. 0.000 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:149 Resp: 3055827

Ion	Ratio	Lower	Upper
149	100		
177	24.8	19.0	28.4
150	12.4	9.7	14.5

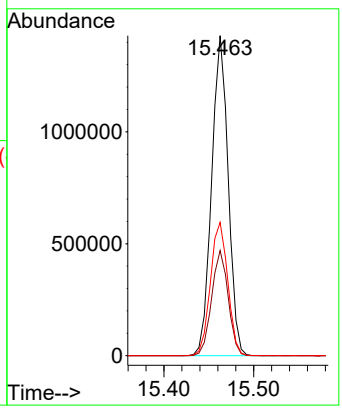




#61
4-Chlorophenyl-phenylether
Concen: 51.433 ng
RT: 15.463 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:204 Resp: 182814

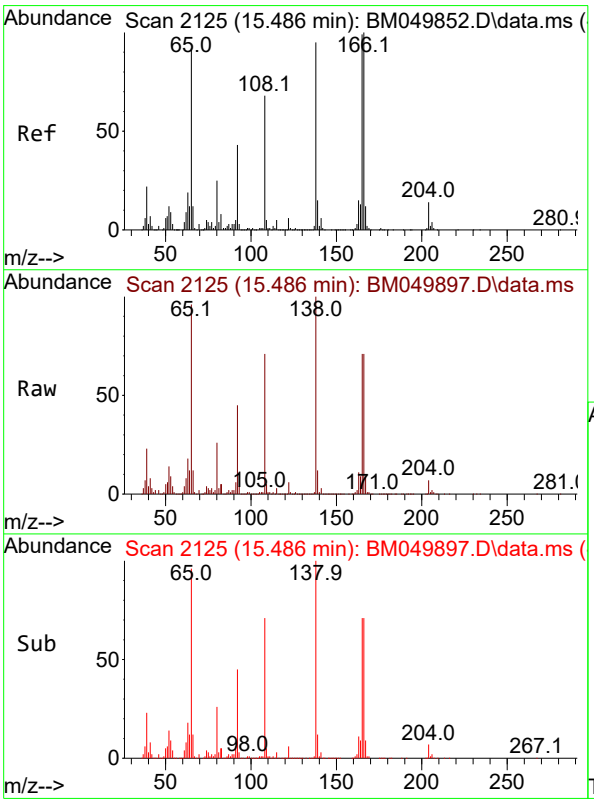
Ion	Ratio	Lower	Upper
204	100		
206	32.8	26.2	39.2
141	41.7	35.0	52.6



Instrument :
BNA_M
ClientSampleId :
GST3MS

Manual Integrations
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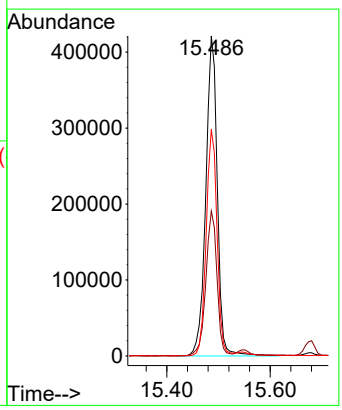
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

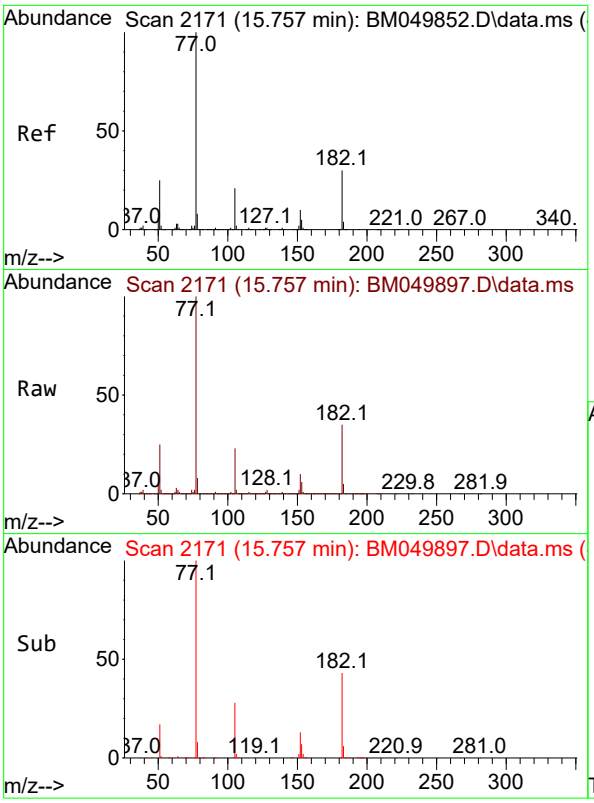


#62
4-Nitroaniline
Concen: 47.953 ng
RT: 15.486 min Scan# 2125
Delta R.T. 0.000 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:138 Resp: 652892

Ion	Ratio	Lower	Upper
138	100		
92	45.3	24.9	64.9
108	70.8	51.7	91.7

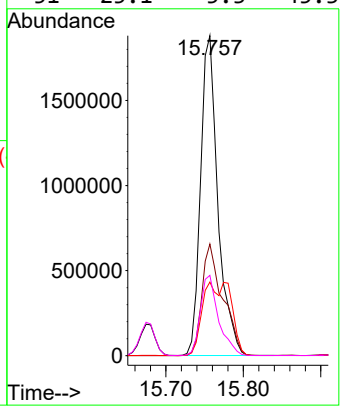




#63
Azobenzene
Concen: 54.614 ng
RT: 15.757 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion: 77 Resp: 291539

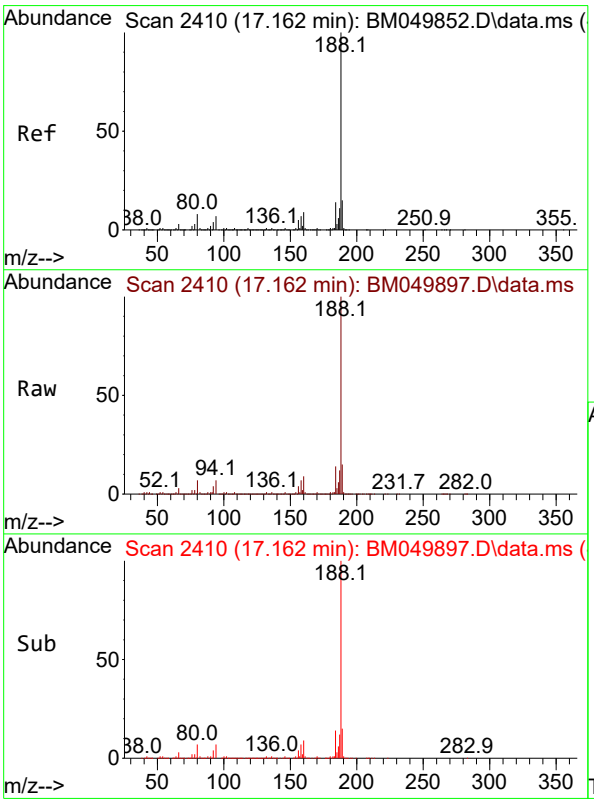
Ion	Ratio	Lower	Upper
77	100		
182	34.9	10.4	50.4
105	23.0	1.5	41.5
51	25.1	5.3	45.3



Instrument :
BNA_M
ClientSampleId :
GST3MS

Manual Integrations
APPROVED

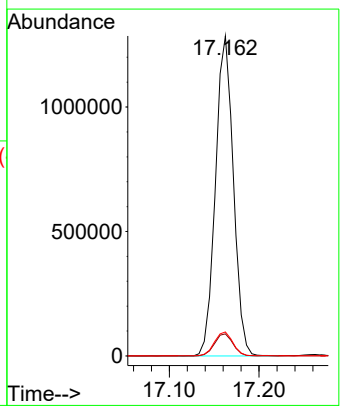
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

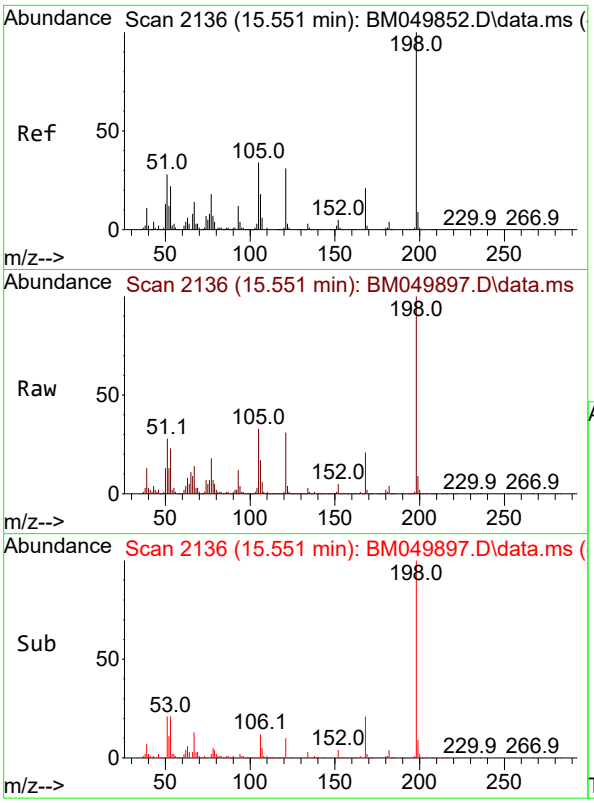


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.162 min Scan# 2410
Delta R.T. 0.000 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:188 Resp: 1779577

Ion	Ratio	Lower	Upper
188	100		
94	6.9	5.8	8.6
80	7.5	6.4	9.6





#65
4,6-Dinitro-2-methylphenol
Concen: 49.725 ng
RT: 15.551 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

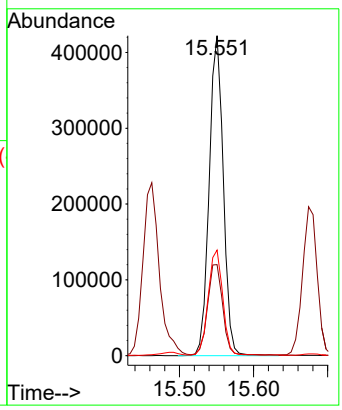
Tgt Ion:198 Resp: 55762

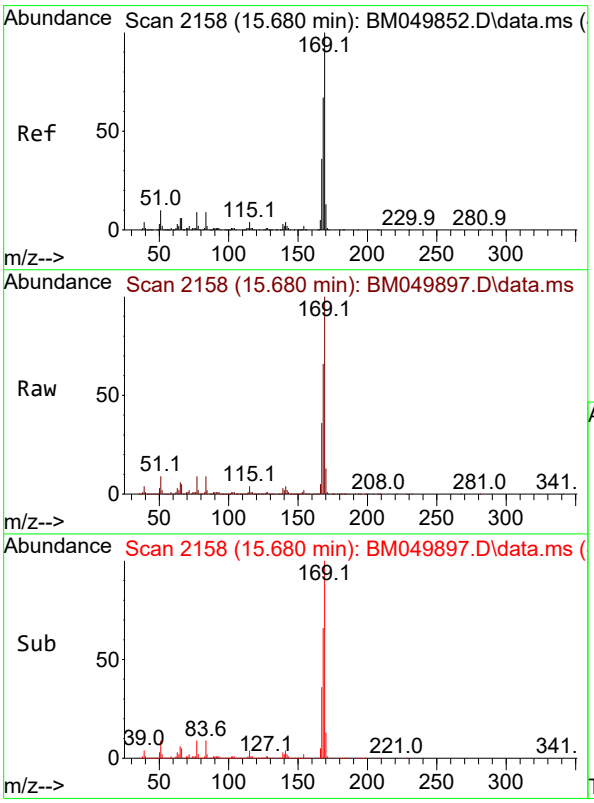
Ion	Ratio	Lower	Upper
198	100		
51	28.5	9.6	49.6
105	33.0	14.7	54.7

Instrument :
BNA_M
ClientSampleId :
GST3MS

Manual Integrations
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Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

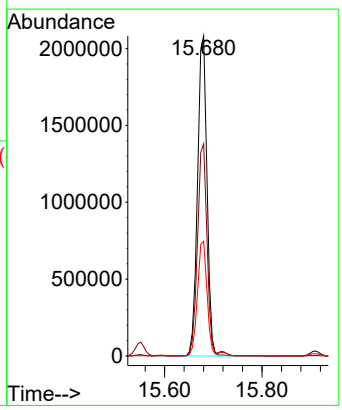


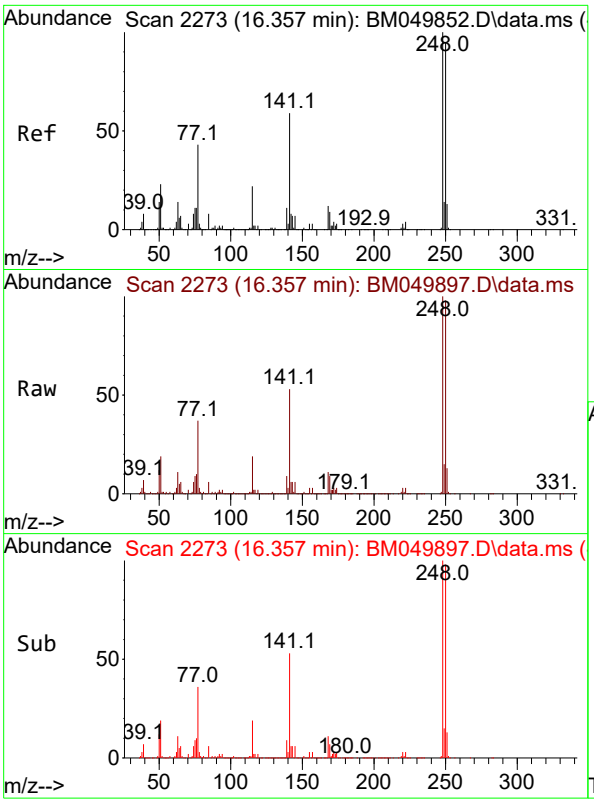


#66
n-Nitrosodiphenylamine
Concen: 52.931 ng
RT: 15.680 min Scan# 2158
Delta R.T. 0.000 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:169 Resp: 2818922

Ion	Ratio	Lower	Upper
169	100		
168	66.3	53.4	80.2
167	35.9	29.0	43.6

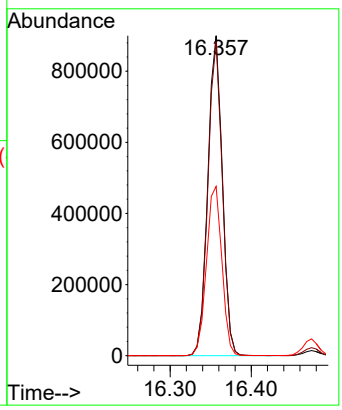




#67
4-Bromophenyl-phenylether
Concen: 54.278 ng
RT: 16.357 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:248 Resp: 112132

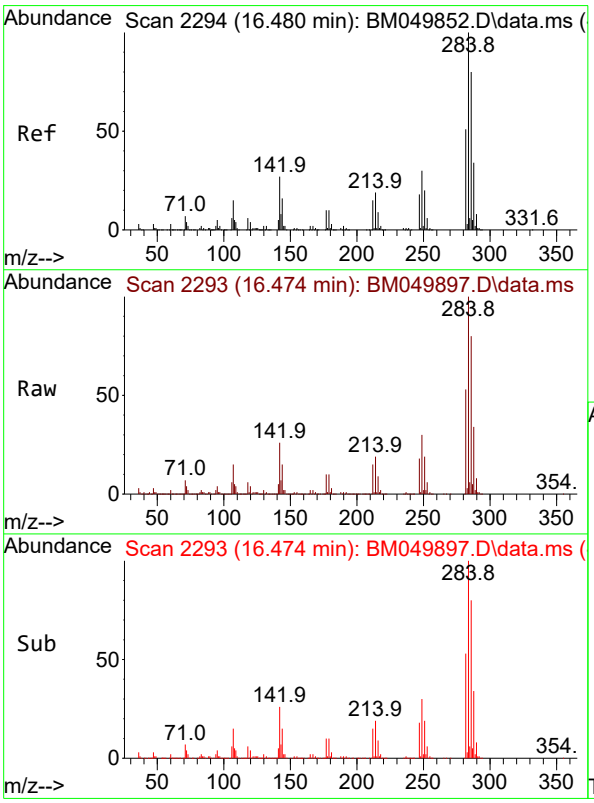
Ion	Ratio	Lower	Upper
248	100		
250	98.2	76.2	114.2
141	52.9	47.3	70.9



Instrument :
BNA_M
ClientSampleId :
GST3MS

Manual Integrations
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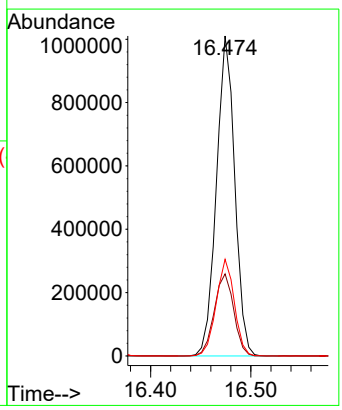
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

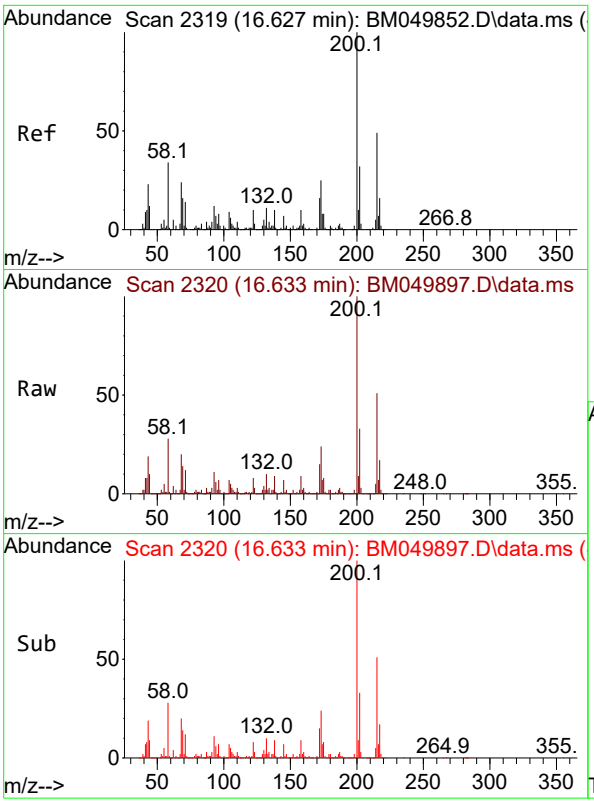


#68
Hexachlorobenzene
Concen: 54.018 ng
RT: 16.474 min Scan# 2293
Delta R.T. -0.006 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:284 Resp: 1280020

Ion	Ratio	Lower	Upper
284	100		
142	25.6	21.2	31.8
249	30.2	24.1	36.1

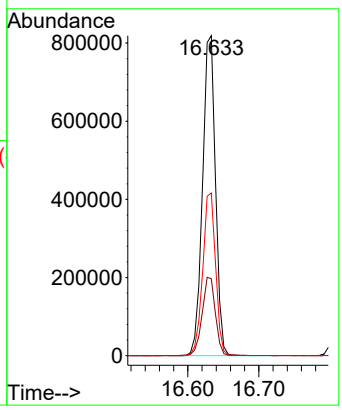




#69
Atrazine
Concen: 75.403 ng
RT: 16.633 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:200 Resp: 104118

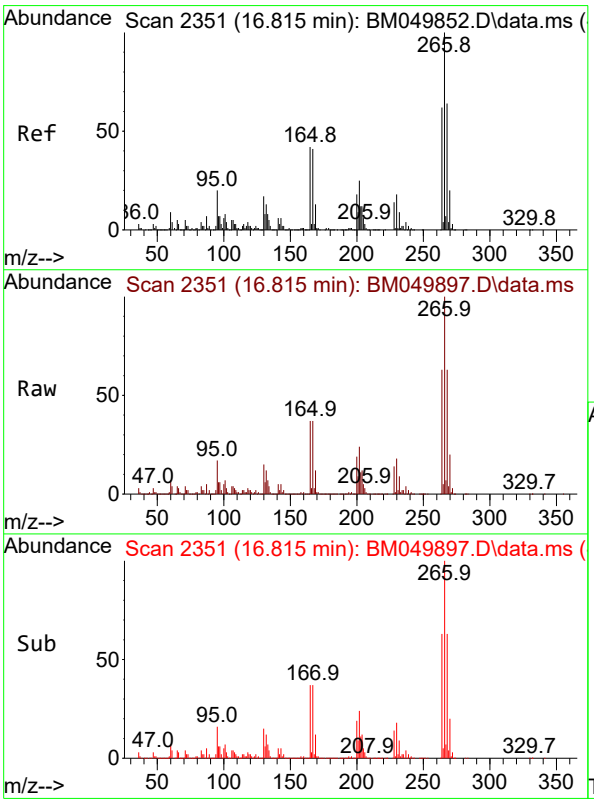
Ion	Ratio	Lower	Upper
200	100		
173	24.1	5.4	45.4
215	50.8	29.0	69.0



Instrument :
BNA_M
ClientSampleId :
GST3MS

Manual Integrations
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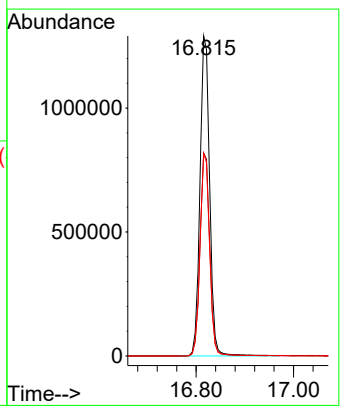
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

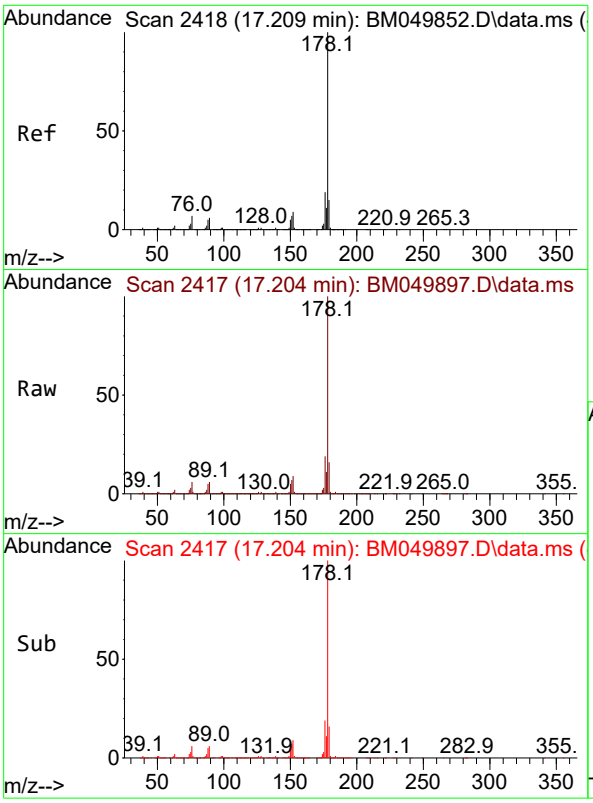


#70
Pentachlorophenol
Concen: 101.914 ng
RT: 16.815 min Scan# 2351
Delta R.T. 0.000 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:266 Resp: 1777954

Ion	Ratio	Lower	Upper
266	100		
268	63.4	51.4	77.2
264	63.3	49.8	74.8





#71
Phenanthrene
Concen: 51.395 ng
RT: 17.204 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

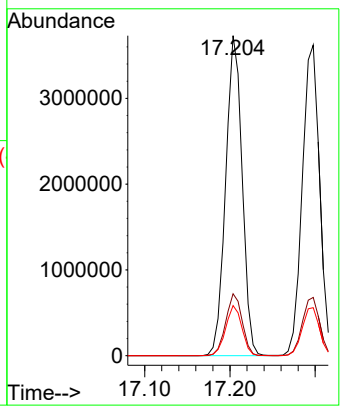
Tgt Ion:178 Resp: 501426

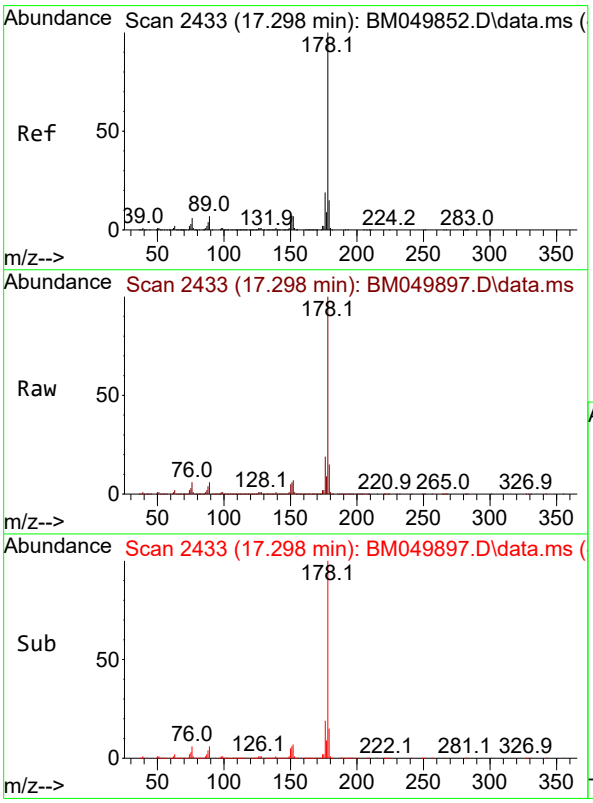
Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.6	12.3	18.5

Instrument :
BNA_M
ClientSampleId :
GST3MS

Manual Integrations
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Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

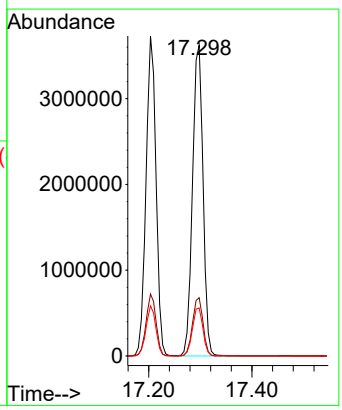


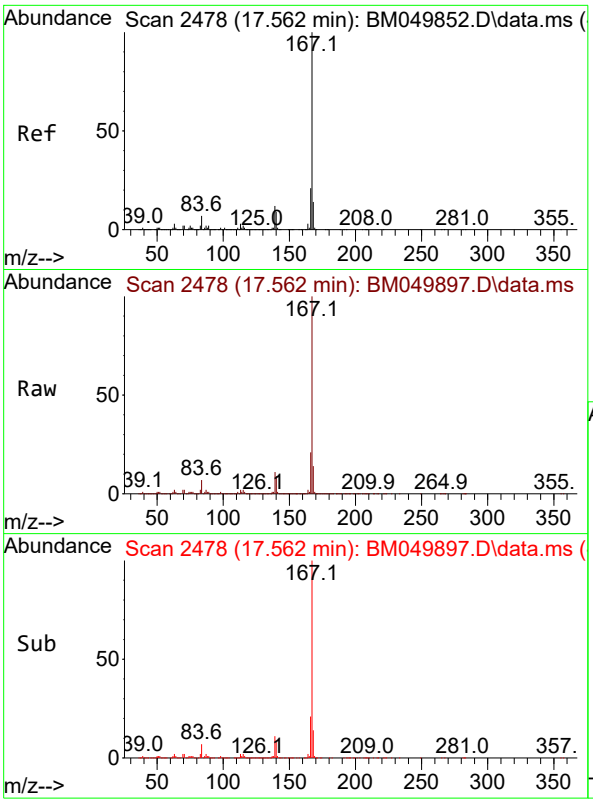


#72
Anthracene
Concen: 53.236 ng
RT: 17.298 min Scan# 2433
Delta R.T. 0.000 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:178 Resp: 5118456

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

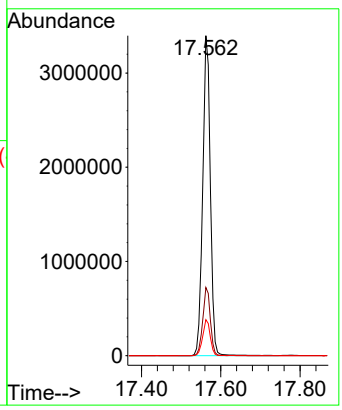




#73
Carbazole
Concen: 50.105 ng
RT: 17.562 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:167 Resp: 453743

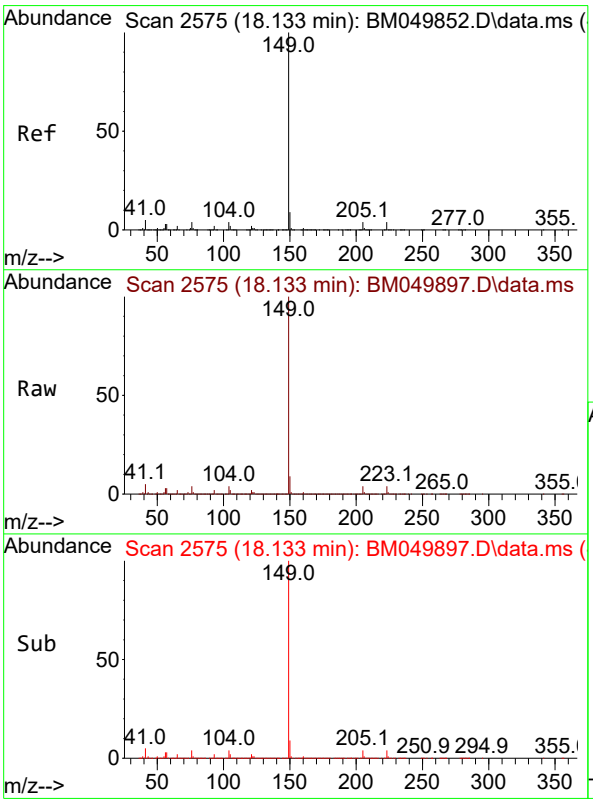
Ion	Ratio	Lower	Upper
167	100		
166	21.3	16.9	25.3
139	11.2	9.3	13.9



Instrument :
BNA_M
ClientSampleId :
GST3MS

Manual Integrations
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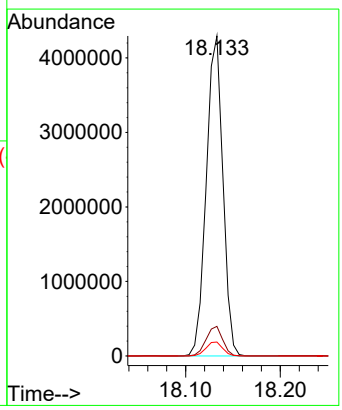
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

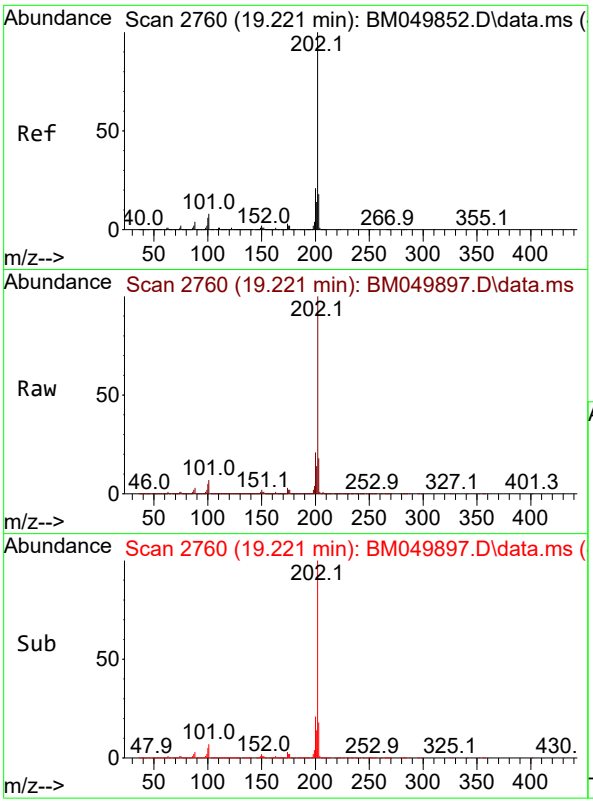


#74
Di-n-butylphthalate
Concen: 49.922 ng
RT: 18.133 min Scan# 2575
Delta R.T. 0.000 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:149 Resp: 5207201

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.5	11.3
104	4.4	3.5	5.3





#75
Fluoranthene
Concen: 48.625 ng
RT: 19.221 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

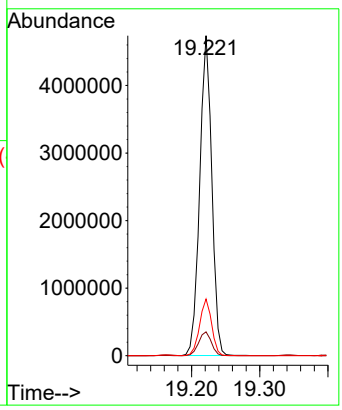
Tgt Ion:202 Resp: 583302

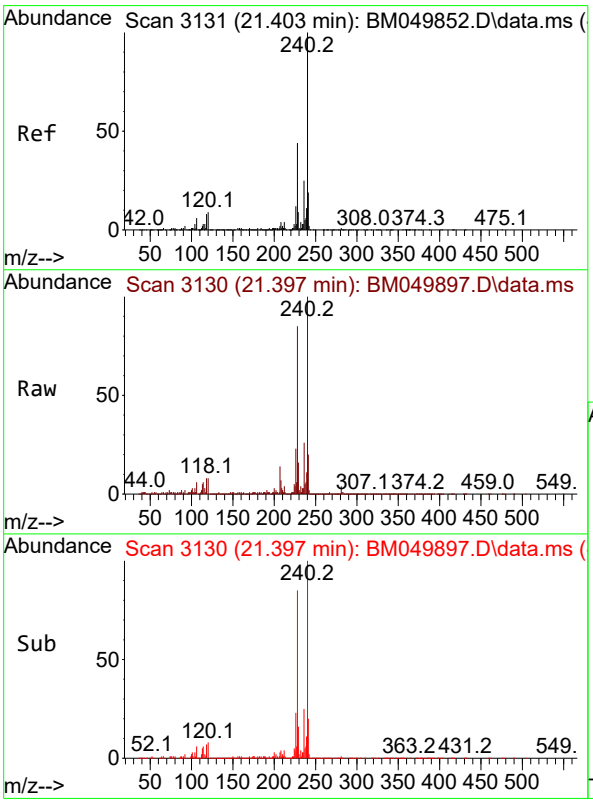
Ion	Ratio	Lower	Upper
202	100		
101	7.4	0.0	28.4
203	17.7	0.0	37.8

Instrument :
BNA_M
ClientSampleId :
GST3MS

Manual Integrations
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Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

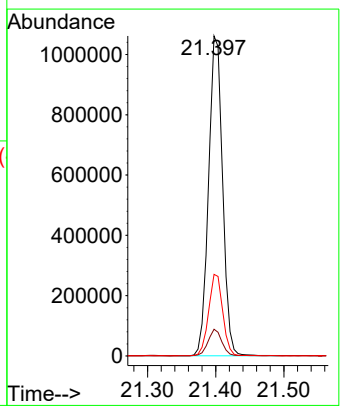


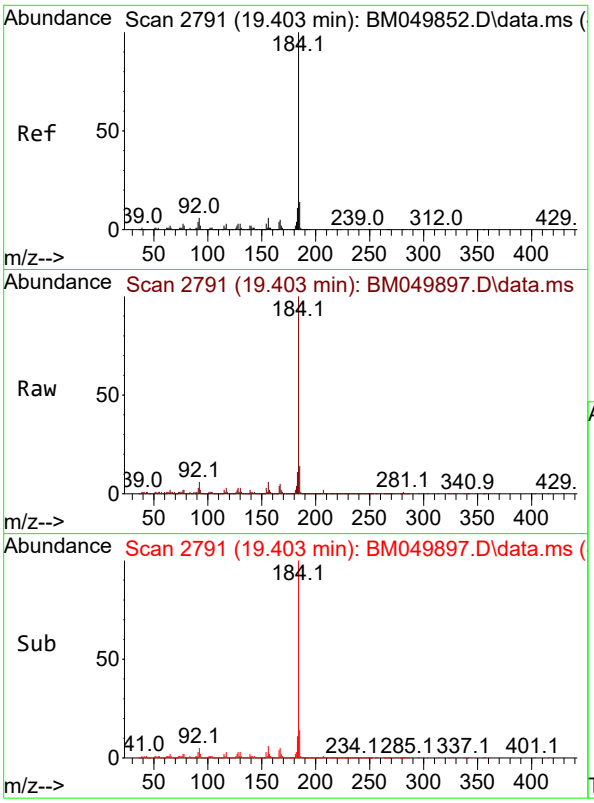


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.397 min Scan# 3130
Delta R.T. -0.006 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:240 Resp: 1521016

Ion	Ratio	Lower	Upper
240	100		
120	8.4	6.9	10.3
236	25.5	20.4	30.6

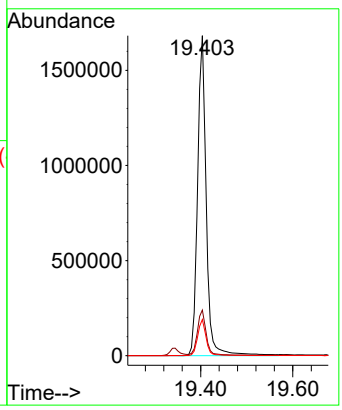




#77
Benzidine
Concen: 108.820 ng
RT: 19.403 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:184 Resp: 219582

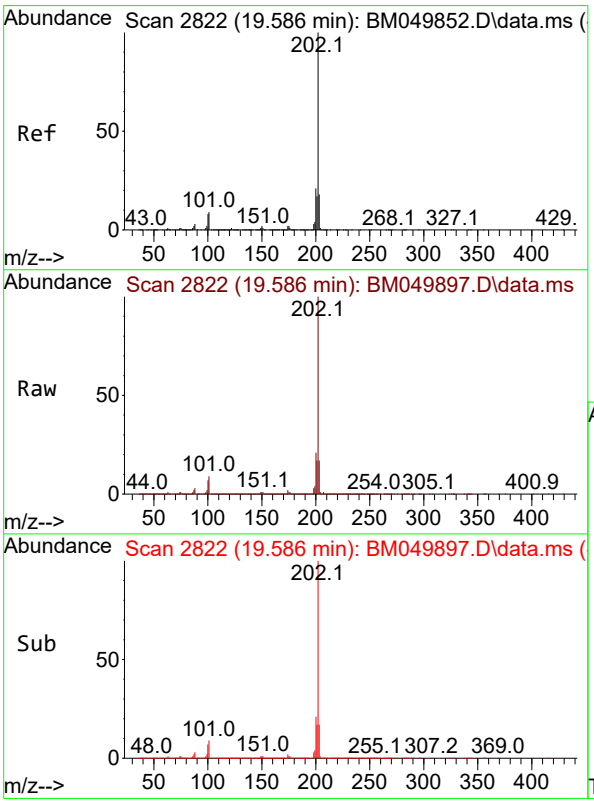
Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.4	17.2
183	11.3	8.8	13.2



Instrument :
BNA_M
ClientSampleId :
GST3MS

Manual Integrations
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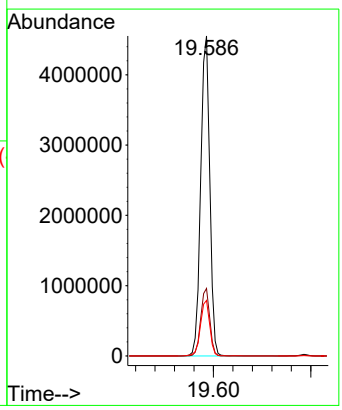
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

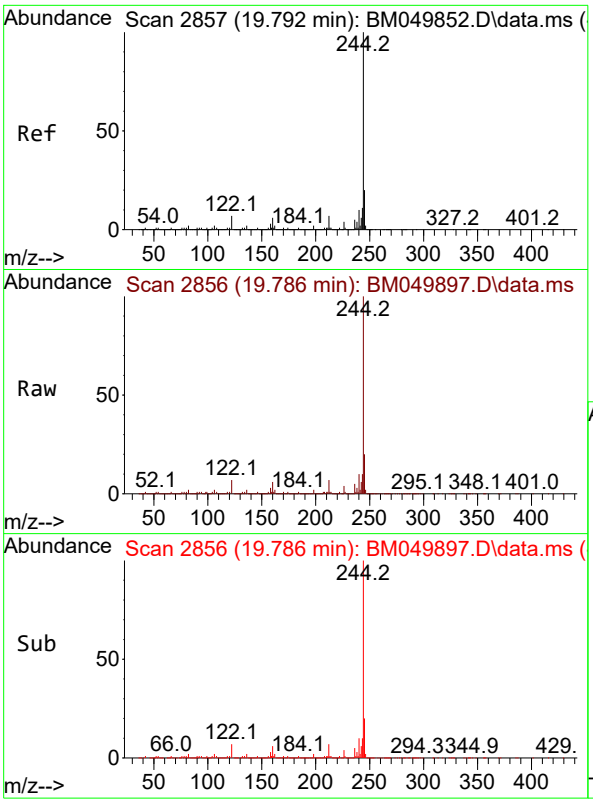


#78
Pyrene
Concen: 56.061 ng
RT: 19.586 min Scan# 2822
Delta R.T. 0.000 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:202 Resp: 5876662

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.5	24.7
203	17.3	14.0	21.0

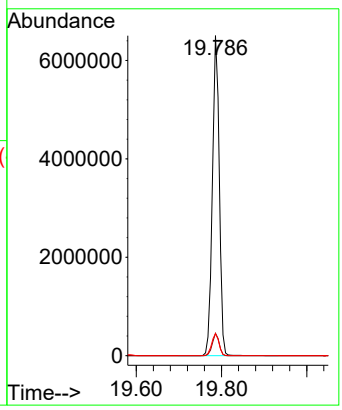




#79
Terphenyl-d14
Concen: 90.072 ng
RT: 19.786 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:244 Resp: 731041

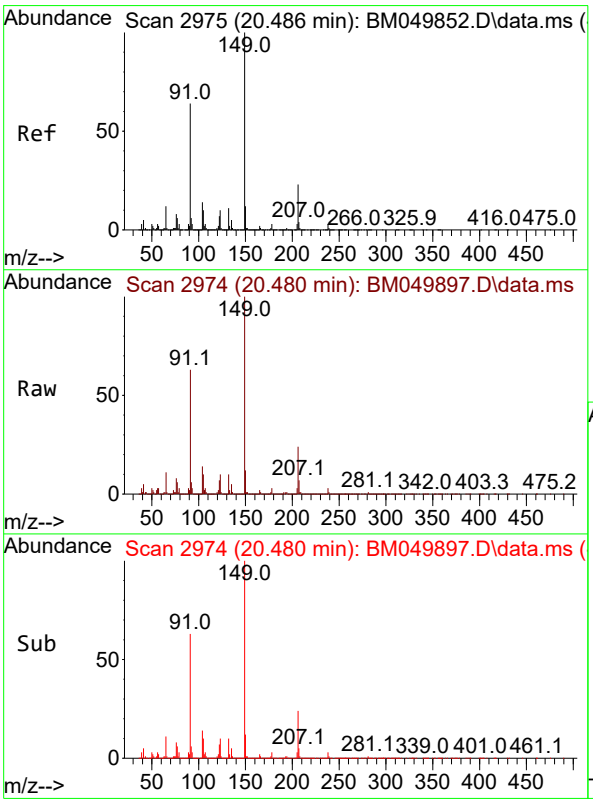
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.5	8.3
122	6.9	5.4	8.0



Instrument :
BNA_M
ClientSampleId :
GST3MS

Manual Integrations
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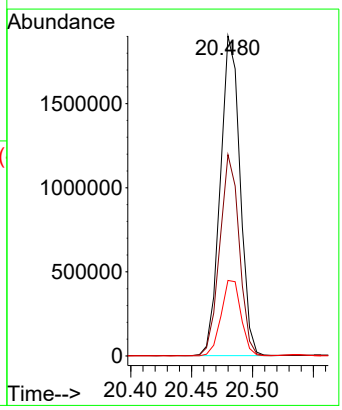
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

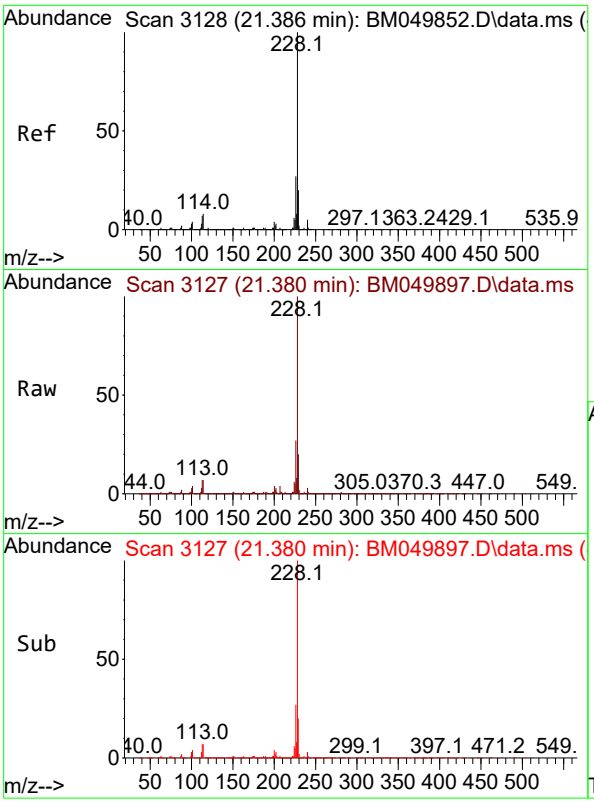


#80
Butylbenzylphthalate
Concen: 54.517 ng
RT: 20.480 min Scan# 2974
Delta R.T. -0.006 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:149 Resp: 2147355

Ion	Ratio	Lower	Upper
149	100		
91	62.9	50.9	76.3
206	23.6	18.4	27.6





#81
Benzo(a)anthracene
Concen: 53.142 ng
RT: 21.380 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

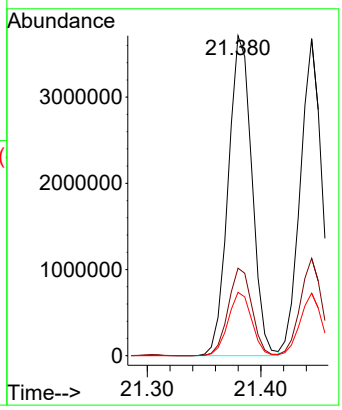
Tgt Ion:228 Resp: 537193

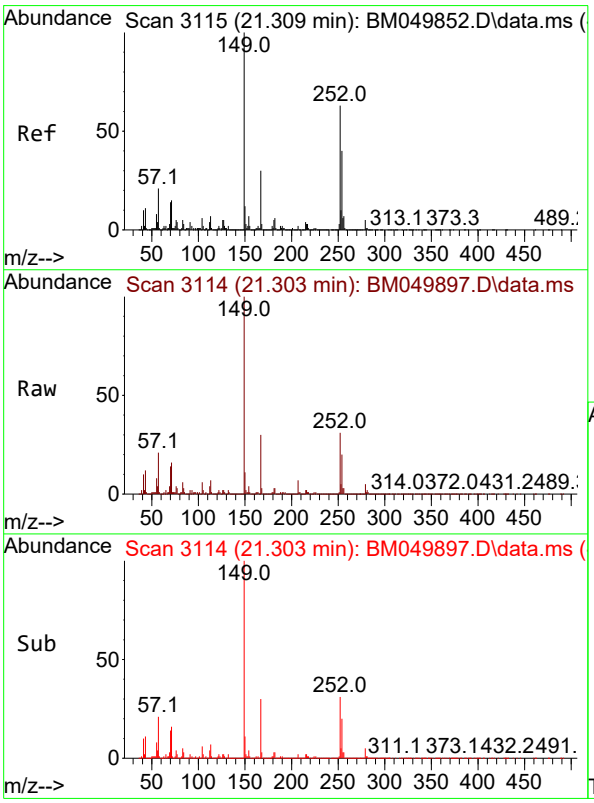
Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.8	32.8
229	19.8	15.8	23.8

Instrument :
BNA_M
ClientSampleId :
GST3MS

Manual Integrations
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Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

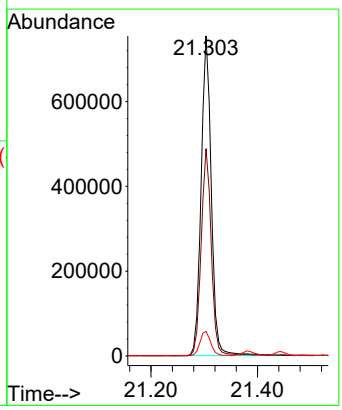


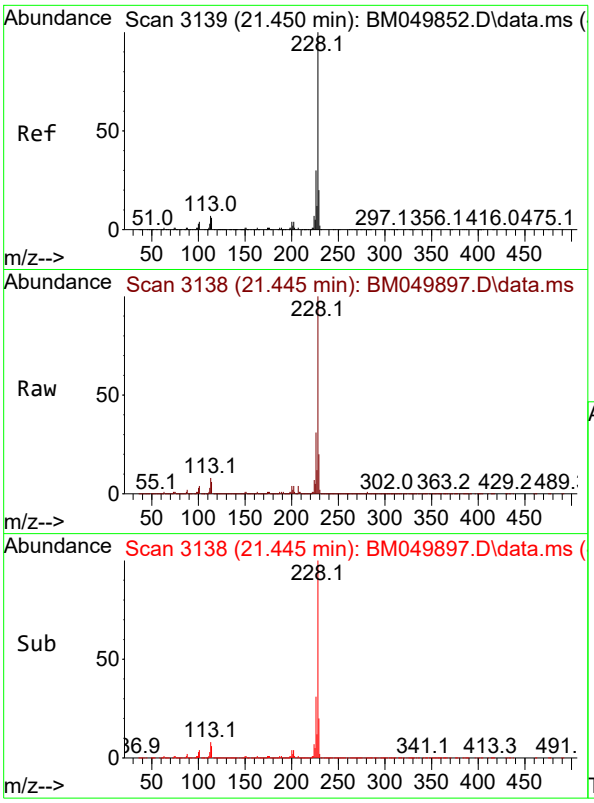


#82
3,3'-Dichlorobenzidine
Concen: 26.159 ng
RT: 21.303 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:252 Resp: 998618

Ion	Ratio	Lower	Upper
252	100		
254	64.8	51.5	77.3
126	7.7	6.3	9.5

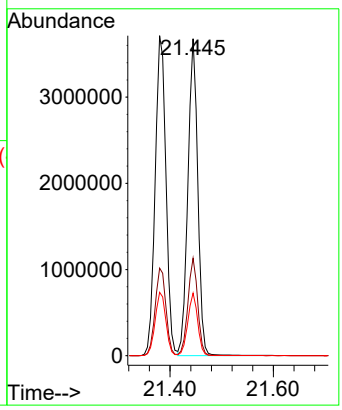




#83
Chrysene
Concen: 50.671 ng
RT: 21.445 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:228 Resp: 486966

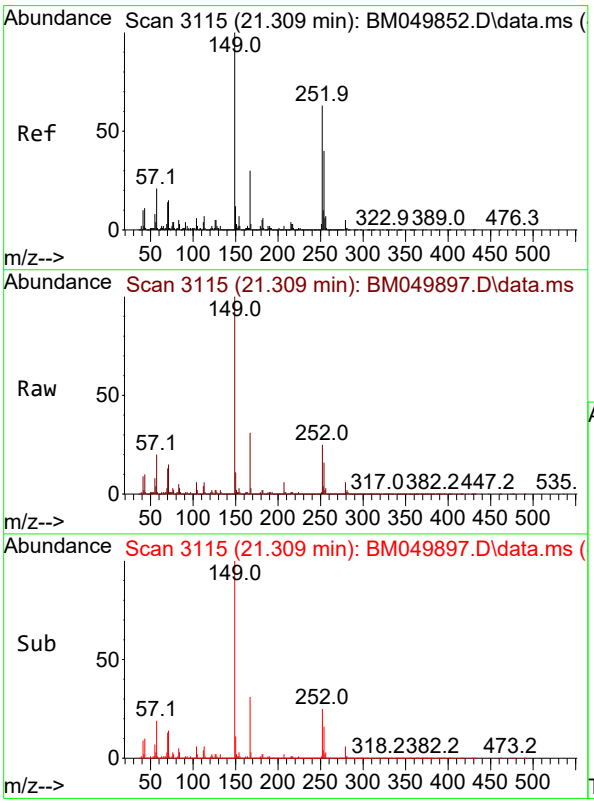
Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.1	36.1
229	19.7	15.8	23.6



Instrument :
BNA_M
ClientSampleId :
GST3MS

Manual Integrations
APPROVED

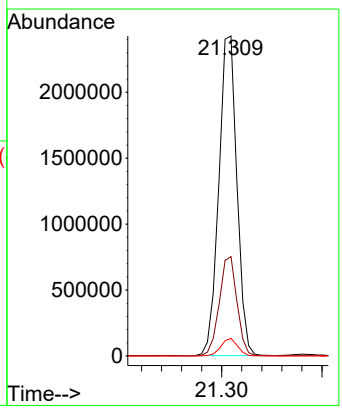
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

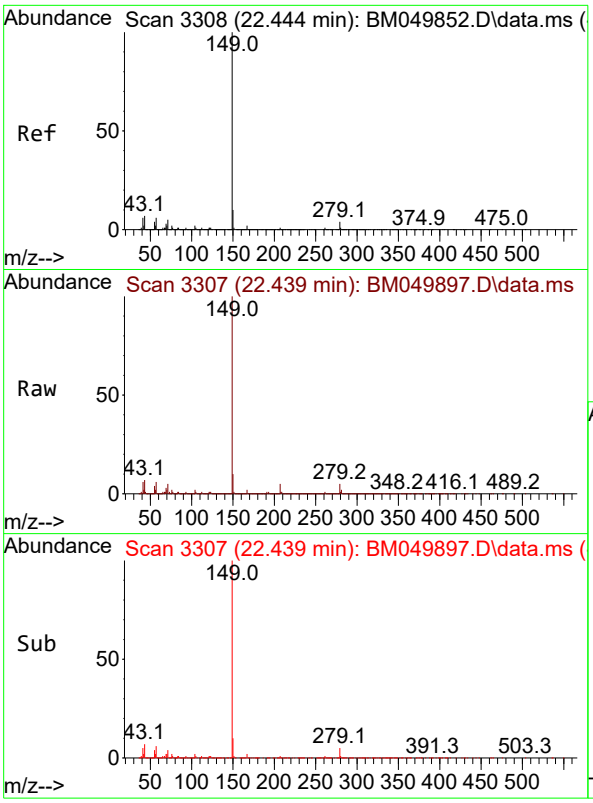


#84
Bis(2-ethylhexyl)phthalate
Concen: 52.840 ng
RT: 21.309 min Scan# 3115
Delta R.T. 0.000 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:149 Resp: 3032341

Ion	Ratio	Lower	Upper
149	100		
167	31.1	23.8	35.6
279	5.5	3.8	5.8

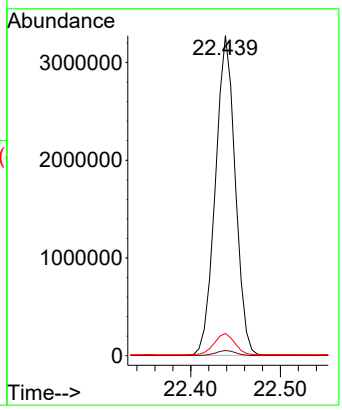




#85
Di-n-octyl phthalate
Concen: 50.083 ng
RT: 22.439 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:149 Resp: 502805

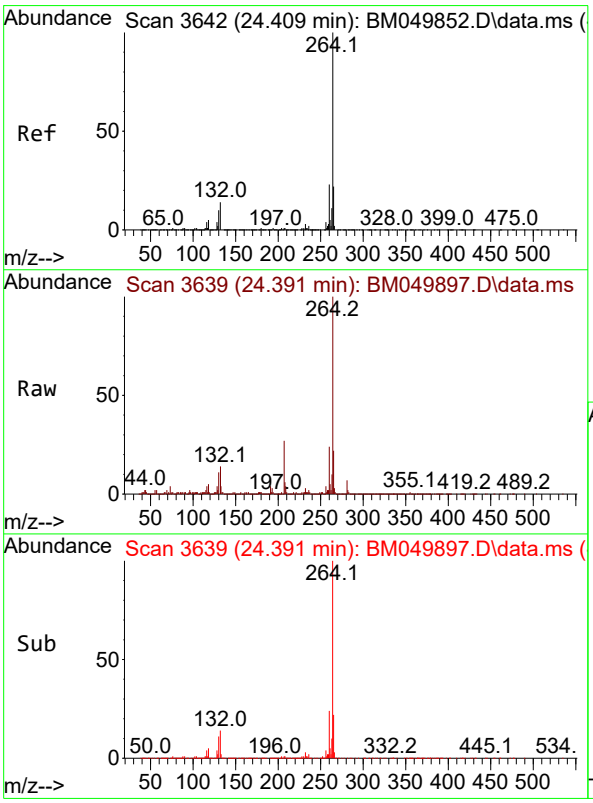
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	6.8	5.8	8.6



Instrument :
BNA_M
ClientSampleId :
GST3MS

Manual Integrations
APPROVED

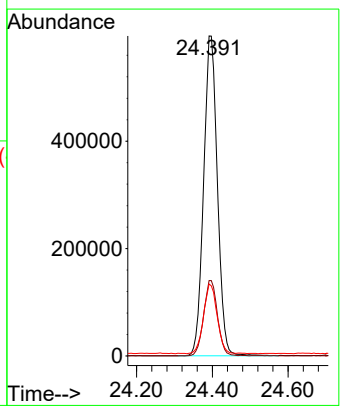
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

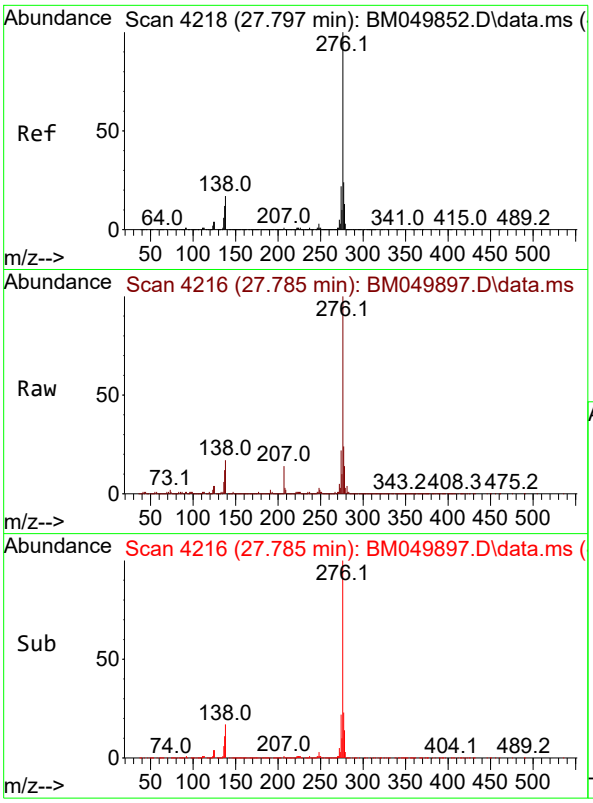


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.391 min Scan# 3639
Delta R.T. -0.018 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:264 Resp: 1498756

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	28.0
265	22.5	17.8	26.8

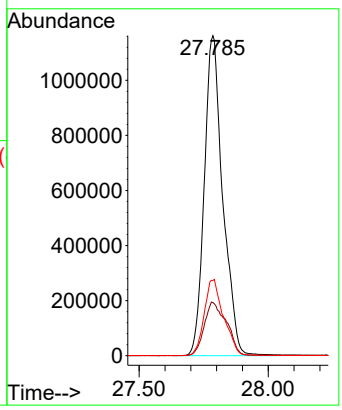




#87
Indeno(1,2,3-cd)pyrene
Concen: 51.760 ng
RT: 27.785 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:276 Resp: 578252

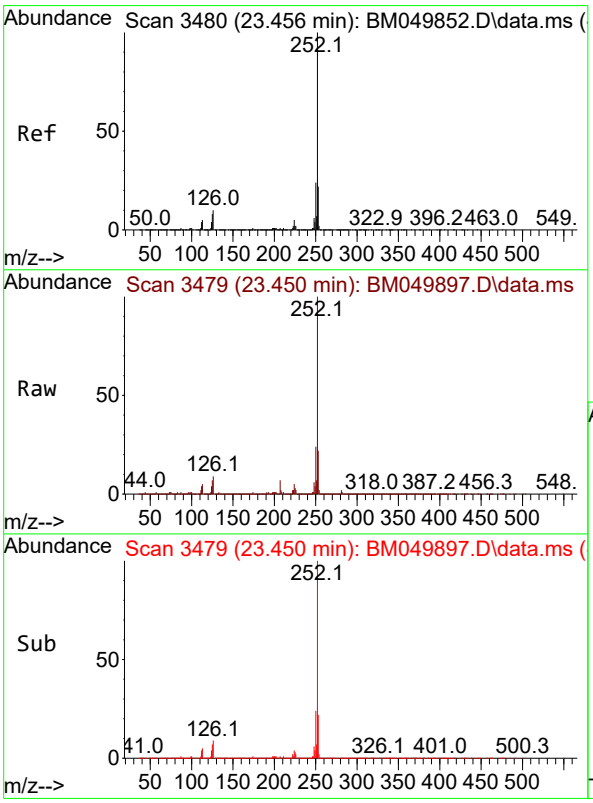
Ion	Ratio	Lower	Upper
276	100		
138	20.0	16.8	25.2
277	24.9	20.1	30.1



Instrument :
BNA_M
ClientSampleId :
GST3MS

Manual Integrations
APPROVED

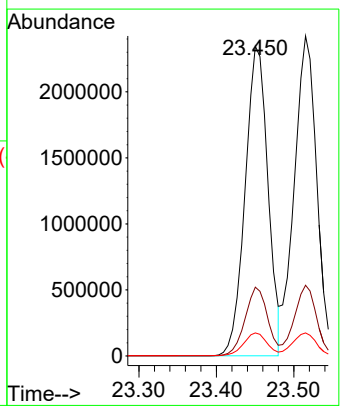
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

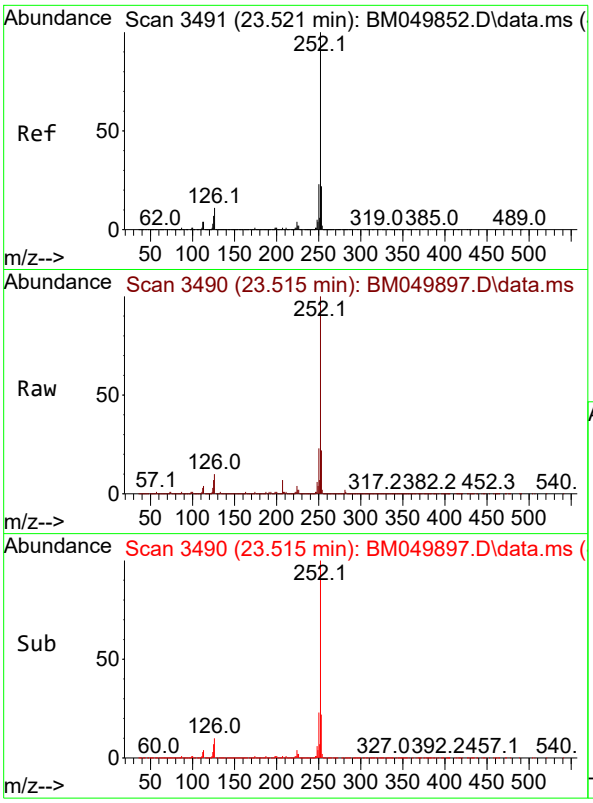


#88
Benzo(b)fluoranthene
Concen: 50.051 ng
RT: 23.450 min Scan# 3479
Delta R.T. -0.006 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:252 Resp: 4790847

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	7.4	6.2	9.4

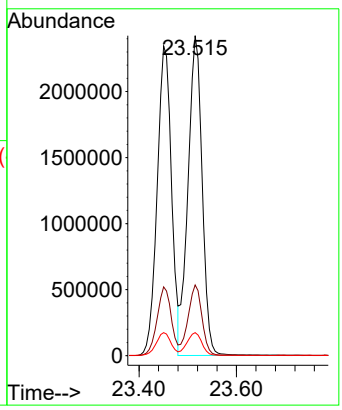




#89
Benzo(k)fluoranthene
Concen: 52.714 ng
RT: 23.515 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:252 Resp: 488972

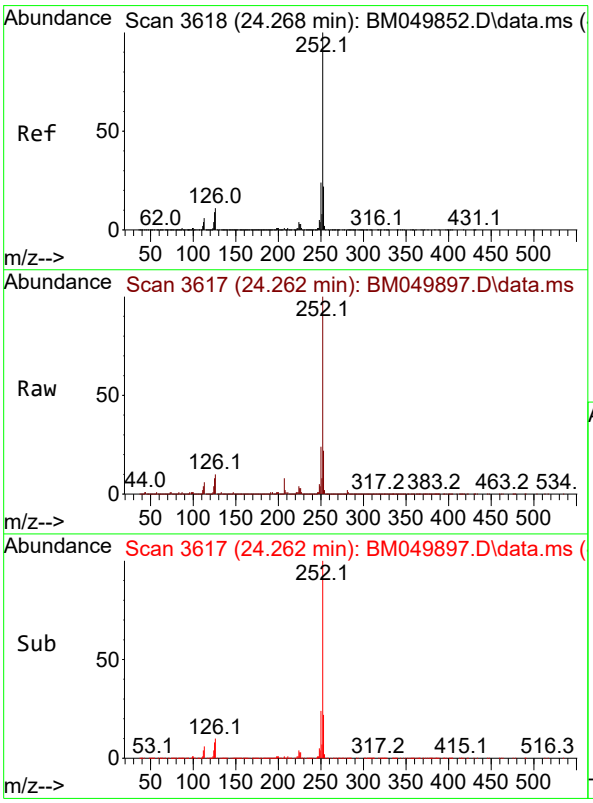
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.2
125	7.2	5.8	8.8



Instrument :
BNA_M
ClientSampleId :
GST3MS

Manual Integrations
APPROVED

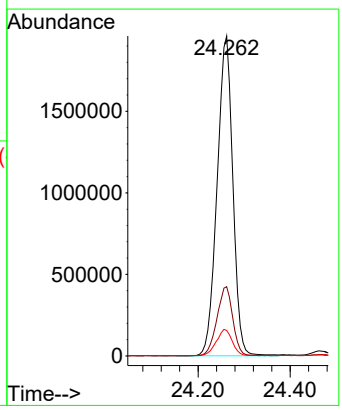
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025

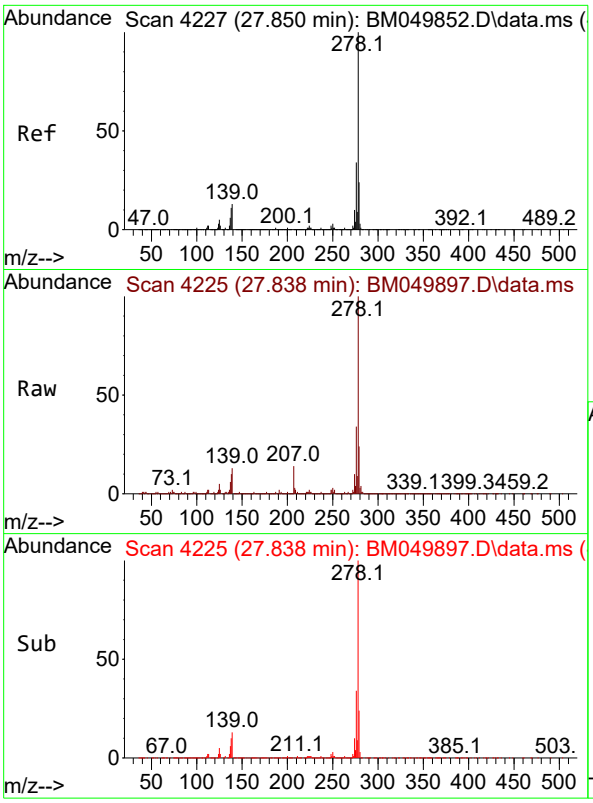


#90
Benzo(a)pyrene
Concen: 55.010 ng
RT: 24.262 min Scan# 3617
Delta R.T. -0.006 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:252 Resp: 4626971

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.8
125	7.9	7.0	10.4

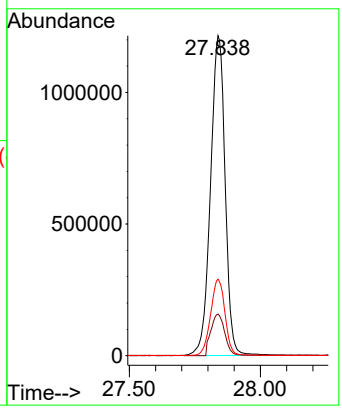




#91
Dibenzo(a,h)anthracene
Concen: 51.301 ng
RT: 27.838 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:278 Resp: 472079

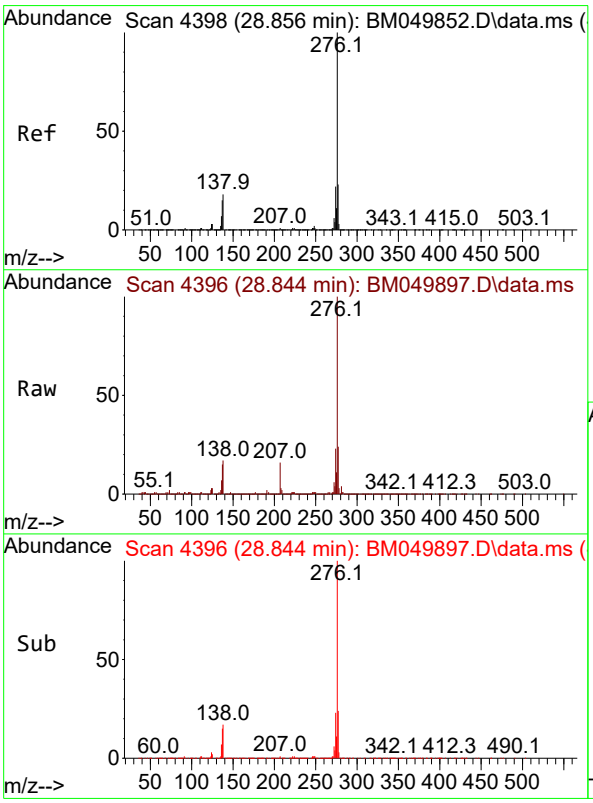
Ion	Ratio	Lower	Upper
278	100		
139	13.0	10.6	15.8
279	23.9	19.1	28.7



Instrument :
BNA_M
ClientSampleId :
GST3MS

Manual Integrations
APPROVED

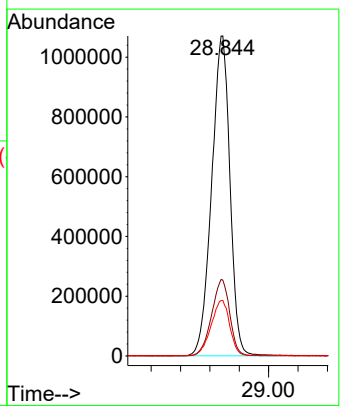
Reviewed By :Rahul Chavli 04/14/2025
Supervised By :Jagrut Upadhyay 04/14/2025



#92
Benzo(g,h,i)perylene
Concen: 49.068 ng
RT: 28.844 min Scan# 4396
Delta R.T. -0.012 min
Lab File: BM049897.D
Acq: 11 Apr 2025 12:20

Tgt Ion:276 Resp: 4614103

Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.7	28.1
138	17.3	14.6	21.8



Raw Data: **BM049898.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:	04/08/25
Project:	Stockton			Date Received:	04/09/25
Client Sample ID:	GST3MSD			SDG No.:	Q1761
Lab Sample ID:	Q1761-01MSD			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	78.6
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-PAH
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
BM049898.D	1	04/10/25 08:55	04/11/25 12:59	PB167544

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	2000		28.9	220	ug/Kg
208-96-8	Acenaphthylene	2300		36.7	220	ug/Kg
83-32-9	Acenaphthene	2100		27.1	220	ug/Kg
86-73-7	Fluorene	2100		32.2	220	ug/Kg
85-01-8	Phenanthrene	2200		26.6	220	ug/Kg
120-12-7	Anthracene	2200		42.3	220	ug/Kg
206-44-0	Fluoranthene	2000		38.1	220	ug/Kg
129-00-0	Pyrene	2400		45.8	220	ug/Kg
56-55-3	Benzo(a)anthracene	2300		29.2	220	ug/Kg
218-01-9	Chrysene	2200		25.3	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	2200		24.1	220	ug/Kg
207-08-9	Benzo(k)fluoranthene	2200		28.5	220	ug/Kg
50-32-8	Benzo(a)pyrene	2300		37.5	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2300		37.0	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2200		34.8	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2200		32.7	220	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	112		30 (18) - 130 (112)	75%	SPK: 150
13127-88-3	Phenol-d6	113		30 (15) - 130 (107)	75%	SPK: 150
4165-60-0	Nitrobenzene-d5	74.0		30 (18) - 130 (107)	74%	SPK: 100
321-60-8	2-Fluorobiphenyl	73.9		30 (20) - 130 (109)	74%	SPK: 100
118-79-6	2,4,6-Tribromophenol	119		30 (10) - 130 (116)	79%	SPK: 150
1718-51-0	Terphenyl-d14	89.0		30 (10) - 130 (105)	89%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	401000	7.775			
1146-65-2	Naphthalene-d8	1380000	10.569			
15067-26-2	Acenaphthene-d10	887000	14.422			
1517-22-2	Phenanthrene-d10	1650000	17.163			
1719-03-5	Chrysene-d12	1370000	21.398			

Raw Data: **BM049898.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:	04/08/25
Project:	Stockton			Date Received:	04/09/25
Client Sample ID:	GST3MSD			SDG No.:	Q1761
Lab Sample ID:	Q1761-01MSD			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	78.6
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-PAH
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
BM049898.D	1	04/10/25 08:55	04/11/25 12:59	PB167544

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1520-96-3	Perylene-d12	1420000	24.397			

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\BM041125\
Data File : BM049898.D
Acq On : 11 Apr 2025 12:59
Operator : RC/JU
Sample : Q1761-01MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GST3MSD

Quant Time: Apr 11 13:44:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	400986	20.000	ng	0.00
21) Naphthalene-d8	10.569	136	1382295	20.000	ng	0.00
39) Acenaphthene-d10	14.422	164	886995	20.000	ng	0.00
64) Phenanthrene-d10	17.163	188	1654145	20.000	ng	0.00
76) Chrysene-d12	21.398	240	1374176	20.000	ng	0.00
86) Perylene-d12	24.397	264	1418231	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	2648138	112.142	ng	0.00
7) Phenol-d6	6.957	99	3320054	113.003	ng	0.00
23) Nitrobenzene-d5	8.934	82	1837091	74.007	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	1535504	119.016	ng	0.00
45) 2-Fluorobiphenyl	13.039	172	4836128	73.933	ng	0.00
79) Terphenyl-d14	19.786	244	6526396	89.005	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.258	88	411480	42.311	ng	98
3) Pyridine	3.658	79	1135292	44.432	ng	99
4) n-Nitrosodimethylamine	3.569	42	467606	48.089	ng	97
6) Aniline	7.104	93	940119	37.343	ng	99
8) 2-Chlorophenol	7.345	128	1240316	51.253	ng	100
9) Benzaldehyde	6.916	77	689444	45.728	ng	98
10) Phenol	6.981	94	1475976	51.480	ng	98
11) bis(2-Chloroethyl)ether	7.198	93	1140893	50.743	ng	99
12) 1,3-Dichlorobenzene	7.663	146	1432961	50.084	ng	99
13) 1,4-Dichlorobenzene	7.810	146	1439366	49.998	ng	98
14) 1,2-Dichlorobenzene	8.128	146	1375788	50.738	ng	100
15) Benzyl Alcohol	8.016	79	985490	53.267	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.298	45	1305723	52.104	ng	99
17) 2-Methylphenol	8.228	107	945629	53.521	ng	99
18) Hexachloroethane	8.857	117	497965	49.718	ng	96
19) n-Nitroso-di-n-propyla...	8.587	70	832002	51.130	ng	98
20) 3+4-Methylphenols	8.551	107	1280979	53.179	ng	99
22) Acetophenone	8.598	105	1649958	49.115	ng	99
24) Nitrobenzene	8.975	77	1171100	48.995	ng	98
25) Isophorone	9.504	82	2244514	53.975	ng	99
26) 2-Nitrophenol	9.687	139	656771	51.842	ng	99
27) 2,4-Dimethylphenol	9.751	122	1060021	73.831	ng	99
28) bis(2-Chloroethoxy)met...	9.981	93	1422065	51.081	ng	98
29) 2,4-Dichlorophenol	10.222	162	1234756	51.738	ng	99
30) 1,2,4-Trichlorobenzene	10.434	180	1379917	49.981	ng	99
31) Naphthalene	10.622	128	3405888	47.951	ng	99
32) Benzoic acid	9.904	122	758654	43.585	ng	98
33) 4-Chloroaniline	10.728	127	434899	17.340	ng	99
34) Hexachlorobutadiene	10.910	225	878595	51.446	ng	99
35) Caprolactam	11.516	113	329748	48.174	ng	98
36) 4-Chloro-3-methylphenol	11.869	107	1069922	51.180	ng	99
37) 2-Methylnaphthalene	12.233	142	2250762	44.976	ng	100
38) 1-Methylnaphthalene	12.457	142	2364350	48.495	ng	99
40) 1,2,4,5-Tetrachloroben...	12.610	216	1579385	50.897	ng	99
41) Hexachlorocyclopentadiene	12.592	237	2157971	198.461	ng	99
43) 2,4,6-Trichlorophenol	12.851	196	1039494	52.643	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041125\
Data File : BM049898.D
Acq On : 11 Apr 2025 12:59
Operator : RC/JU
Sample : Q1761-01MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GST3MSD

Quant Time: Apr 11 13:44:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

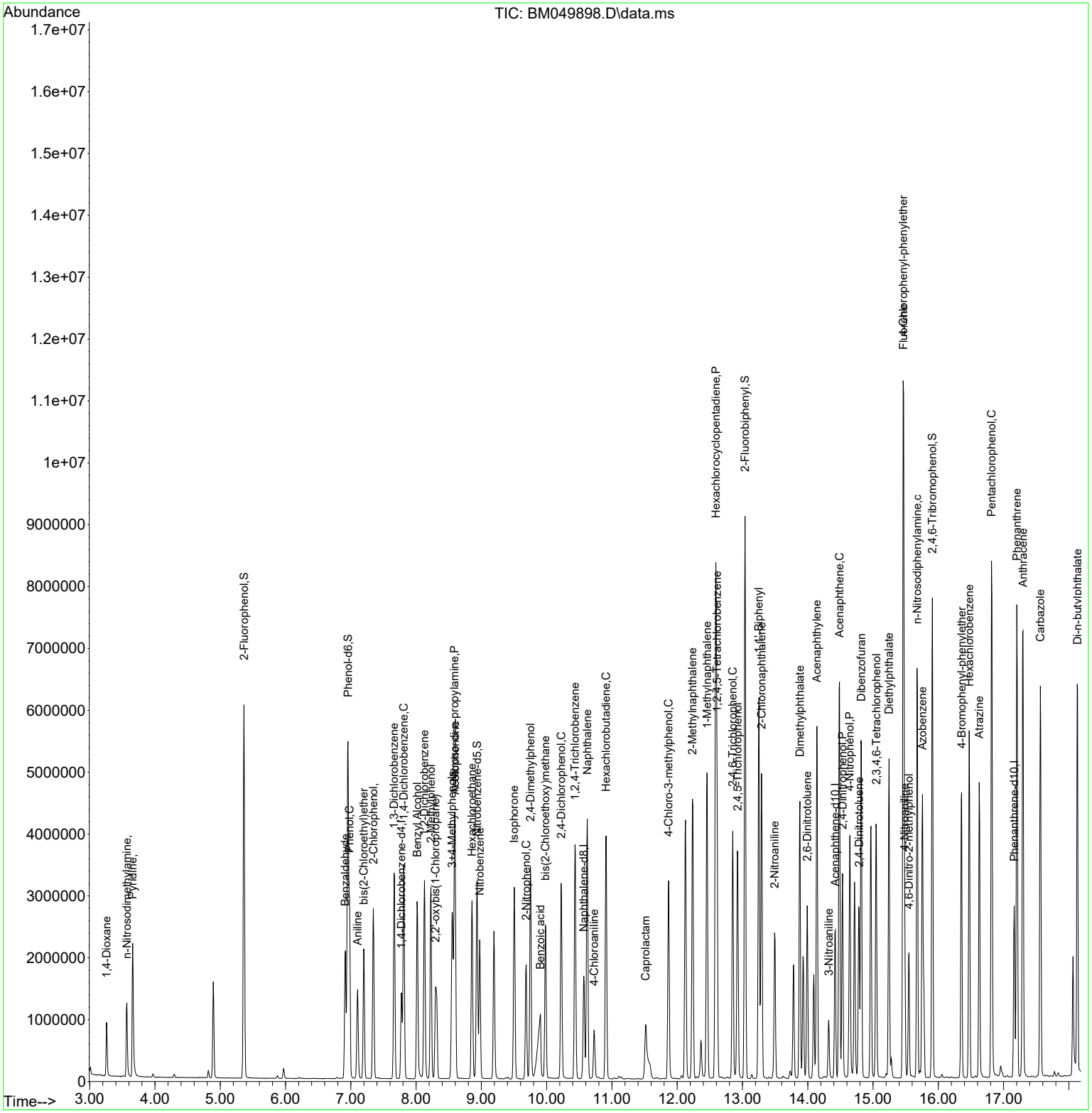
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.927	196	1113199	51.877	ng	98
46) 1,1'-Biphenyl	13.251	154	3274438	49.661	ng	99
47) 2-Chloronaphthalene	13.292	162	2580046	49.784	ng	99
48) 2-Nitroaniline	13.492	65	616761	51.442	ng	98
49) Acenaphthylene	14.139	152	4059287	53.772	ng	99
50) Dimethylphthalate	13.880	163	3112245	49.735	ng	99
51) 2,6-Dinitrotoluene	13.992	165	676696	51.615	ng	97
52) Acenaphthene	14.486	154	2376842	49.499	ng	99
53) 3-Nitroaniline	14.322	138	259980	20.517	ng	97
54) 2,4-Dinitrophenol	14.533	184	839012	87.613	ng	97
55) Dibenzofuran	14.821	168	3814383	47.518	ng	98
56) 4-Nitrophenol	14.645	139	1159928	102.722	ng	98
57) 2,4-Dinitrotoluene	14.786	165	921810	52.703	ng	94
58) Fluorene	15.468	166	3163617	49.581	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.051	232	925129	49.189	ng	98
60) Diethylphthalate	15.245	149	2842984	47.375	ng	98
61) 4-Chlorophenyl-phenyle...	15.463	204	1728010	50.513	ng	99
62) 4-Nitroaniline	15.486	138	605277	46.190	ng	99
63) Azobenzene	15.757	77	2757090	53.664	ng	96
65) 4,6-Dinitro-2-methylph...	15.551	198	529563	50.804	ng	97
66) n-Nitrosodiphenylamine	15.674	169	2649054	53.514	ng	99
67) 4-Bromophenyl-phenylether	16.357	248	1047333	54.541	ng	96
68) Hexachlorobenzene	16.474	284	1185005	53.800	ng	99
69) Atrazine	16.627	200	955359	74.434	ng	98
70) Pentachlorophenol	16.815	266	1633614	100.741	ng	99
71) Phenanthrene	17.204	178	4670985	51.507	ng	100
72) Anthracene	17.298	178	4746180	53.107	ng	100
73) Carbazole	17.562	167	4153461	49.343	ng	100
74) Di-n-butylphthalate	18.133	149	4750311	48.996	ng	99
75) Fluoranthene	19.221	202	5288214	47.427	ng	99
77) Benzidine	19.404	184	2062728	113.148	ng	100
78) Pyrene	19.586	202	5354267	56.536	ng	99
80) Butylbenzylphthalate	20.480	149	1930042	54.236	ng	99
81) Benzo(a)anthracene	21.380	228	4861226	53.229	ng	99
82) 3,3'-Dichlorobenzidine	21.303	252	936523	27.154	ng	100
83) Chrysene	21.445	228	4491447	51.730	ng	99
84) Bis(2-ethylhexyl)phtha...	21.303	149	2715105	52.367	ng	100
85) Di-n-octyl phthalate	22.439	149	4563566	50.313	ng	99
87) Indeno(1,2,3-cd)pyrene	27.785	276	5619213	53.153	ng	99
88) Benzo(b)fluoranthene	23.450	252	4620636	51.013	ng	100
89) Benzo(k)fluoranthene	23.515	252	4460551	50.818	ng	100
90) Benzo(a)pyrene	24.256	252	4390591	55.163	ng	99
91) Dibenzo(a,h)anthracene	27.838	278	4609687	52.938	ng	99
92) Benzo(g,h,i)perylene	28.838	276	4520433	50.802	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041125\
Data File : BM049898.D
Acq On : 11 Apr 2025 12:59
Operator : RC/JU
Sample : Q1761-01MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GST3MSD

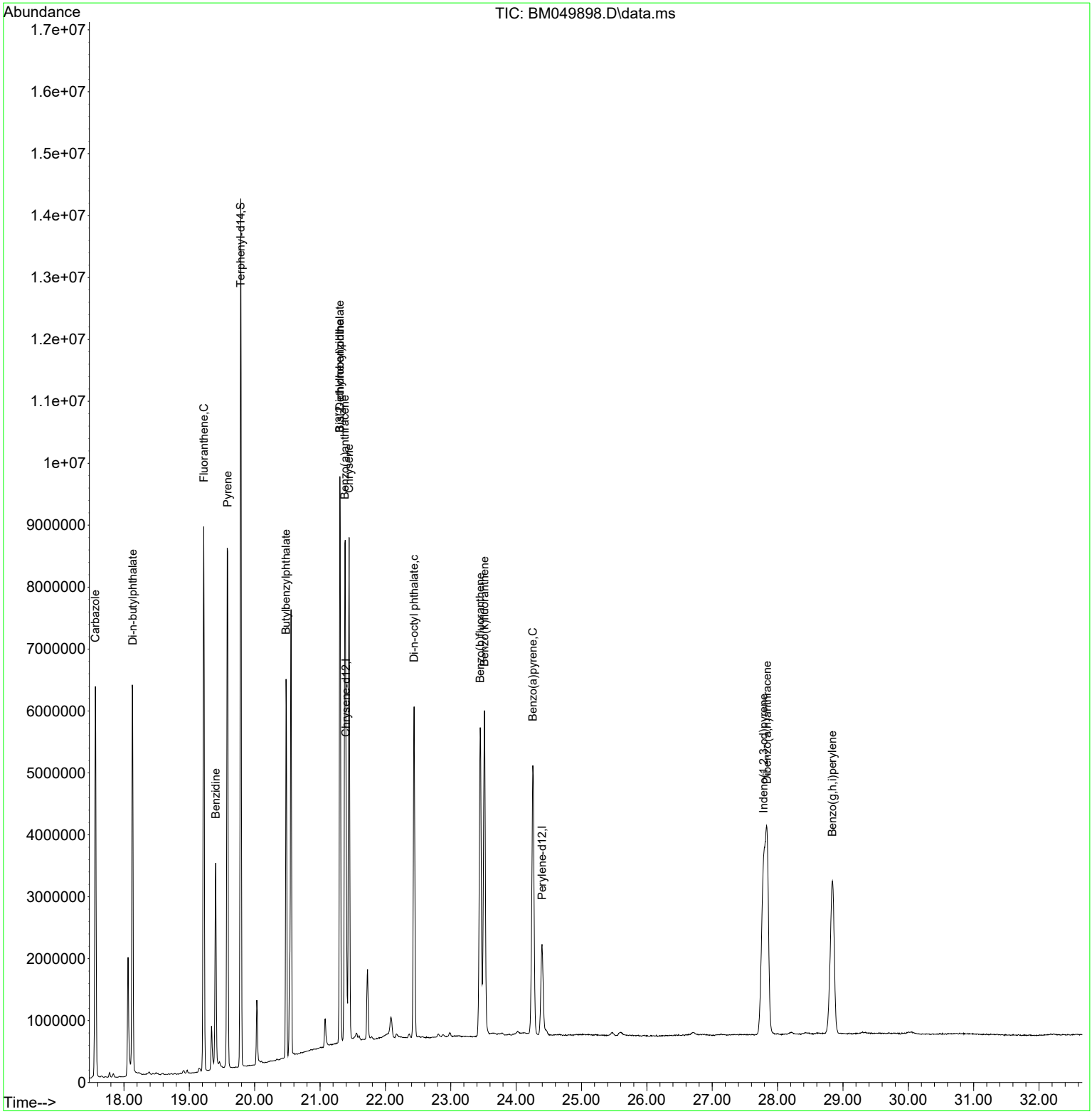
Quant Time: Apr 11 13:44:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

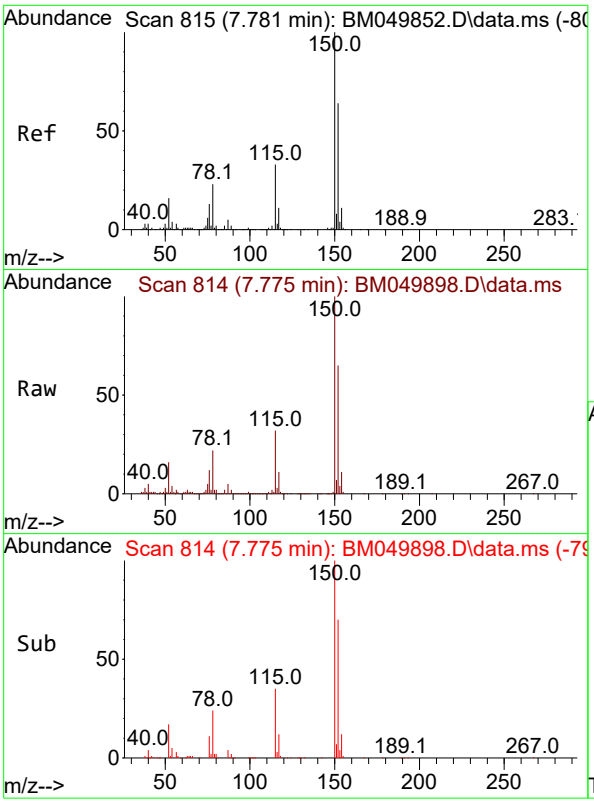


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Data File : BM049898.D
Acq On : 11 Apr 2025 12:59
Operator : RC/JU
Sample : Q1761-01MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GST3MSD

Quant Time: Apr 11 13:44:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
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QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration



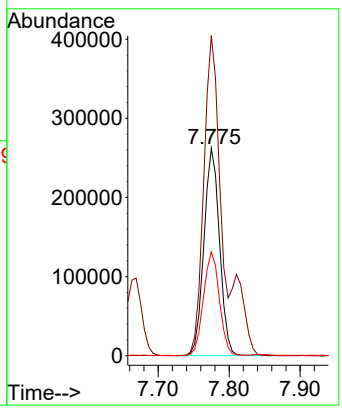


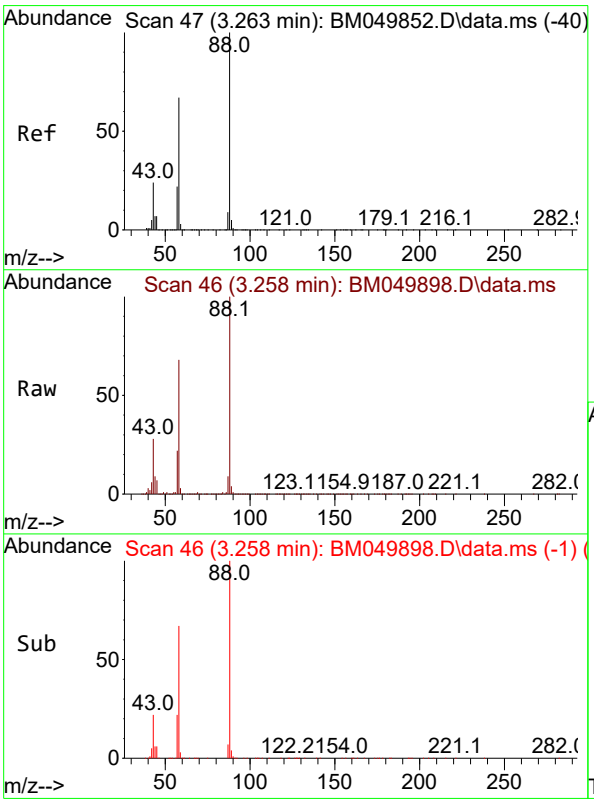
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.775 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Instrument :
BNA_M
ClientSampleId :
GST3MSD

Tgt Ion:152 Resp: 400986

Ion	Ratio	Lower	Upper
152	100		
150	154.4	124.3	186.5
115	50.1	41.1	61.7

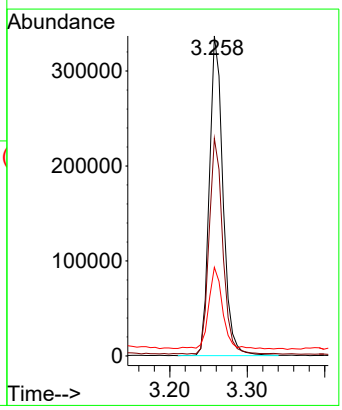


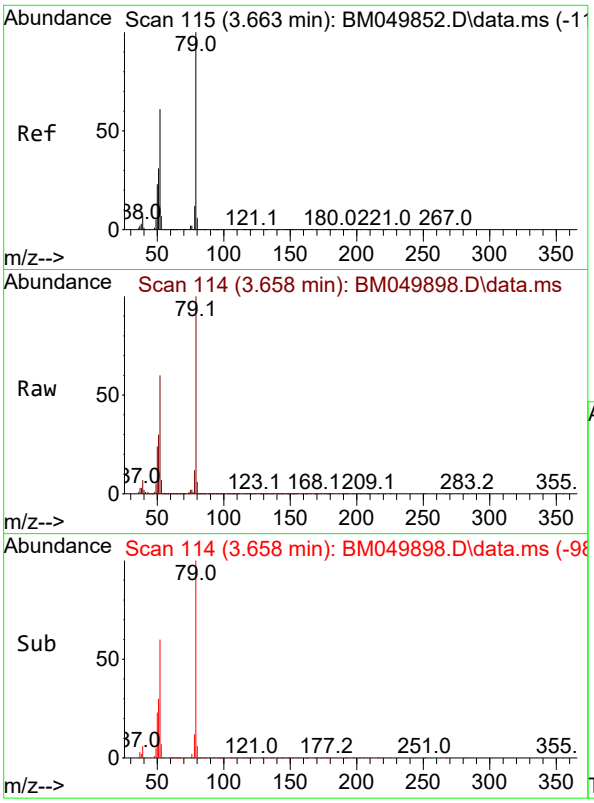


#2
1,4-Dioxane
Concen: 42.311 ng
RT: 3.258 min Scan# 46
Delta R.T. -0.006 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Tgt Ion: 88 Resp: 411480

Ion	Ratio	Lower	Upper
88	100		
58	67.1	54.1	81.1
43	27.5	20.2	30.4



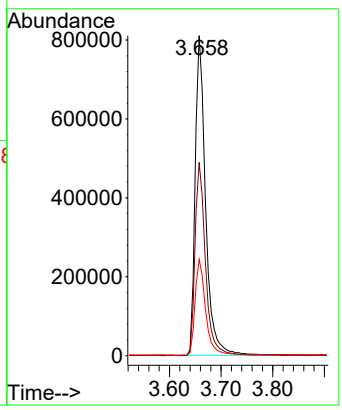


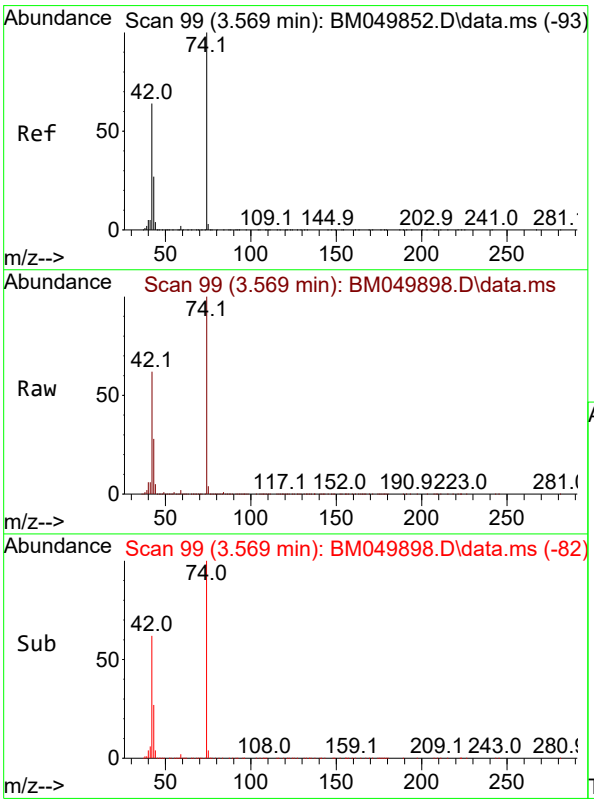
#3
Pyridine
Concen: 44.432 ng
RT: 3.658 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Instrument :
BNA_M
ClientSampleId :
GST3MSD

Tgt Ion: 79 Resp: 1135292

Ion	Ratio	Lower	Upper
79	100		
52	60.4	48.9	73.3
51	30.1	25.0	37.6

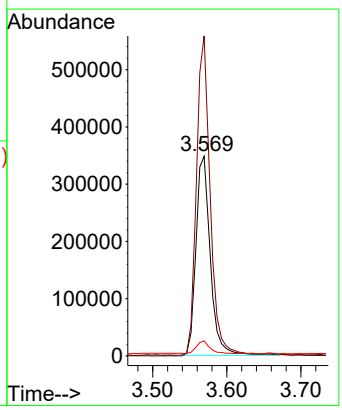


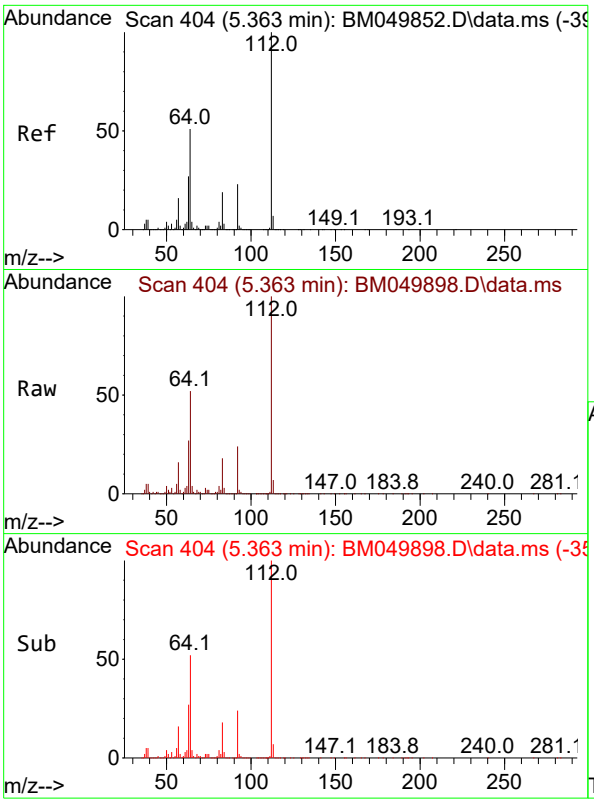


#4
n-Nitrosodimethylamine
Concen: 48.089 ng
RT: 3.569 min Scan# 99
Delta R.T. 0.000 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Tgt Ion: 42 Resp: 467606

Ion	Ratio	Lower	Upper
42	100		
74	160.2	125.4	188.2
44	7.5	5.9	8.9



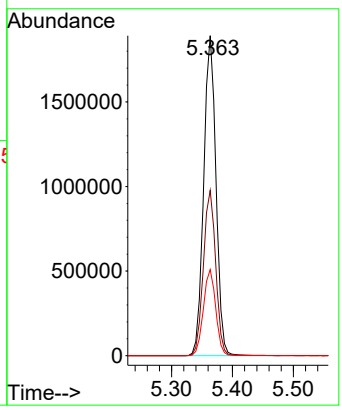


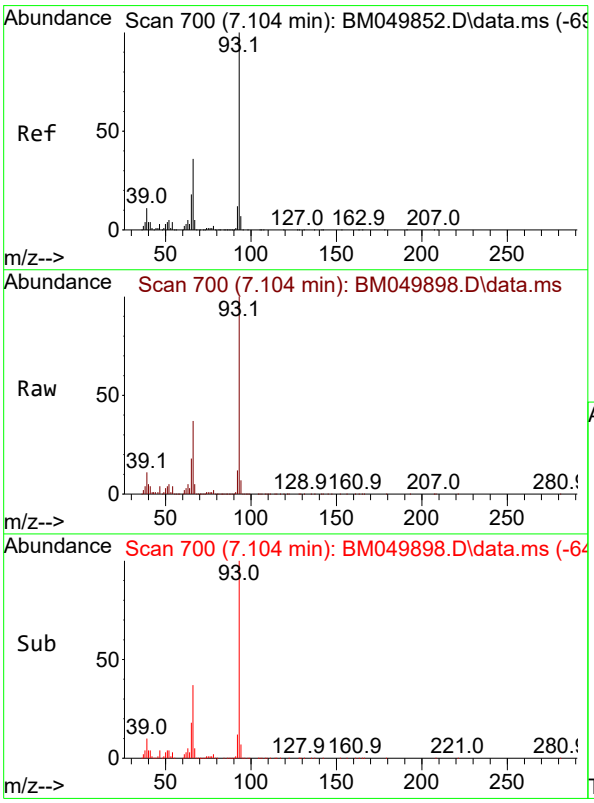
#5
2-Fluorophenol
Concen: 112.142 ng
RT: 5.363 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Instrument :
BNA_M
ClientSampleId :
GST3MSD

Tgt Ion:112 Resp: 2648138

Ion	Ratio	Lower	Upper
112	100		
64	51.7	41.0	61.6
63	26.9	21.5	32.3

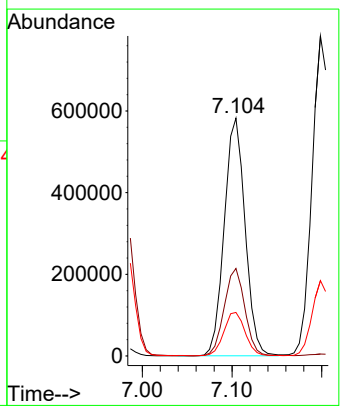


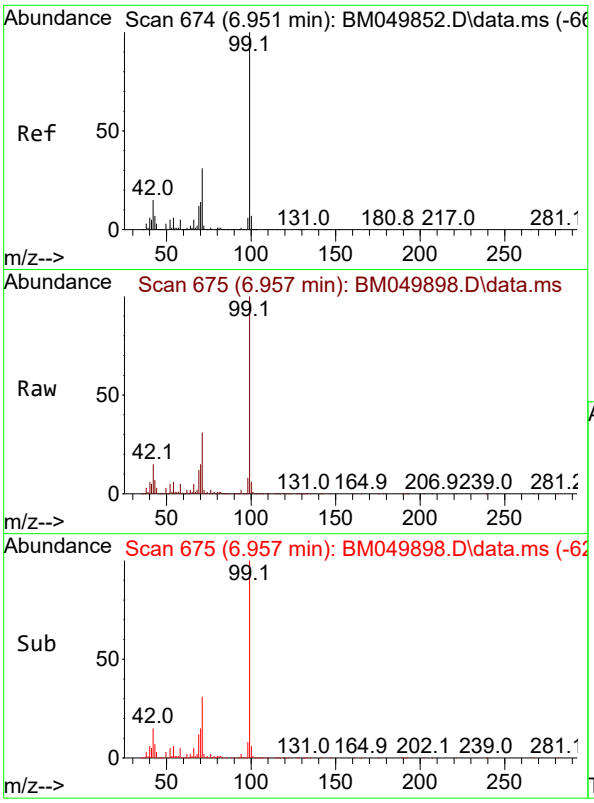


#6
Aniline
Concen: 37.343 ng
RT: 7.104 min Scan# 700
Delta R.T. 0.000 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Tgt Ion: 93 Resp: 940119

Ion	Ratio	Lower	Upper
93	100		
66	36.8	29.1	43.7
65	18.3	14.9	22.3



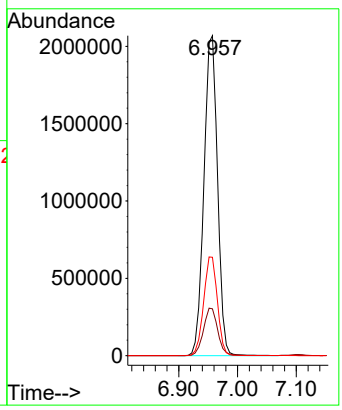


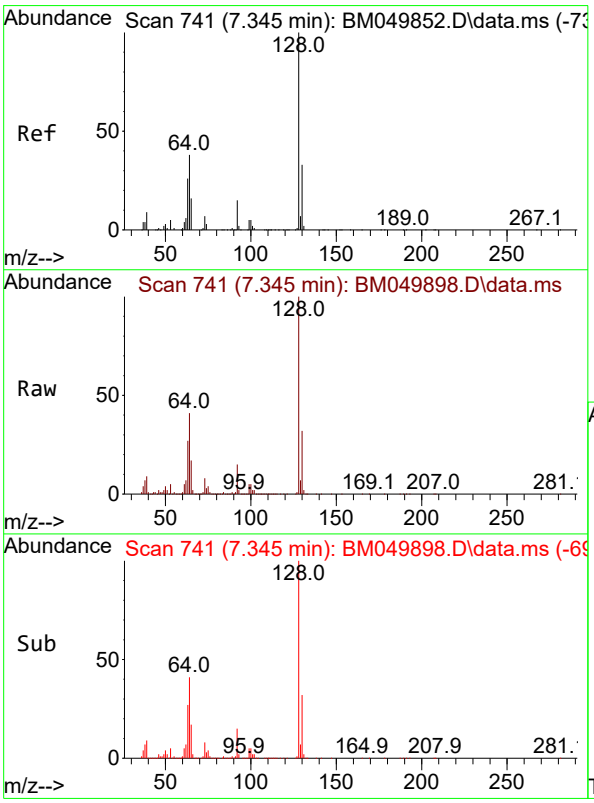
#7
Phenol-d6
Concen: 113.003 ng
RT: 6.957 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Instrument :
BNA_M
ClientSampleId :
GST3MSD

Tgt Ion: 99 Resp: 3320054

Ion	Ratio	Lower	Upper
99	100		
42	14.7	12.1	18.1
71	30.8	24.9	37.3

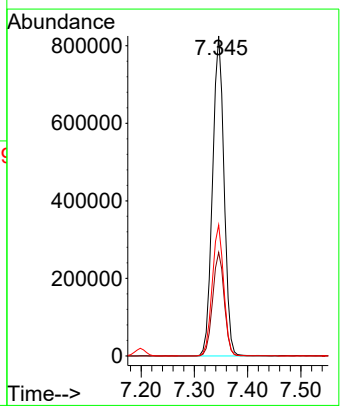


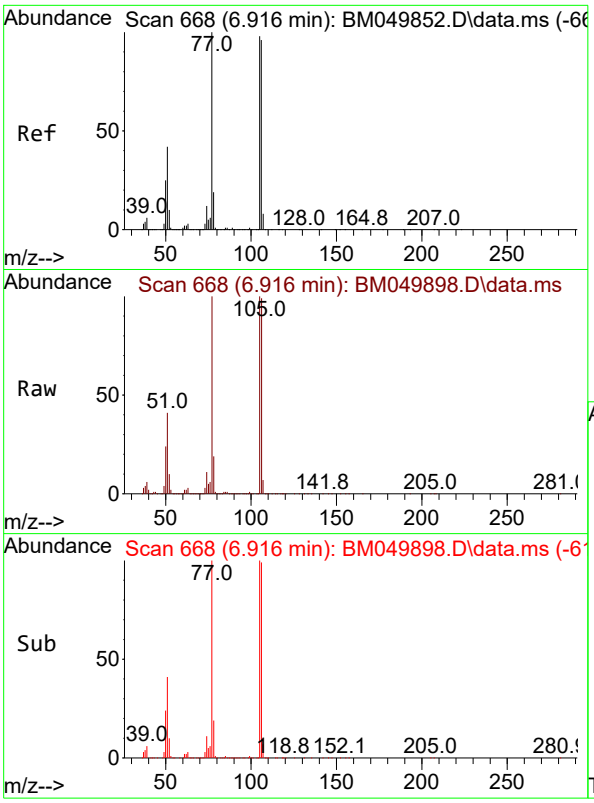


#8
2-Chlorophenol
Concen: 51.253 ng
RT: 7.345 min Scan# 741
Delta R.T. 0.000 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Tgt Ion:128 Resp: 1240316

Ion	Ratio	Lower	Upper
128	100		
130	32.4	12.6	52.6
64	40.9	21.1	61.1



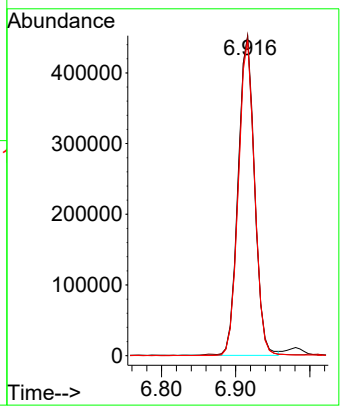


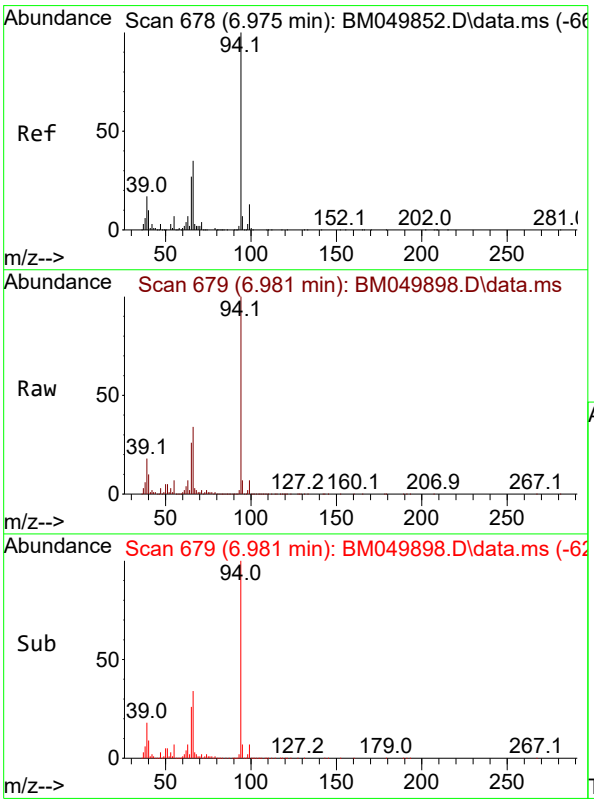
#9
Benzaldehyde
Concen: 45.728 ng
RT: 6.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Instrument :
BNA_M
ClientSampleId :
GST3MSD

Tgt Ion: 77 Resp: 689444

Ion	Ratio	Lower	Upper
77	100		
105	100.3	78.3	118.3
106	98.8	76.0	116.0

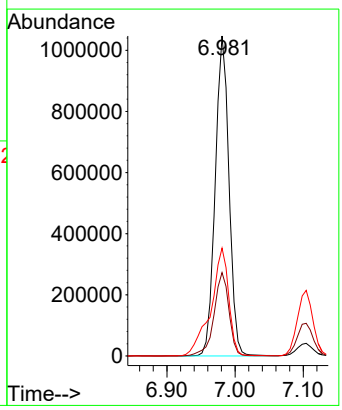


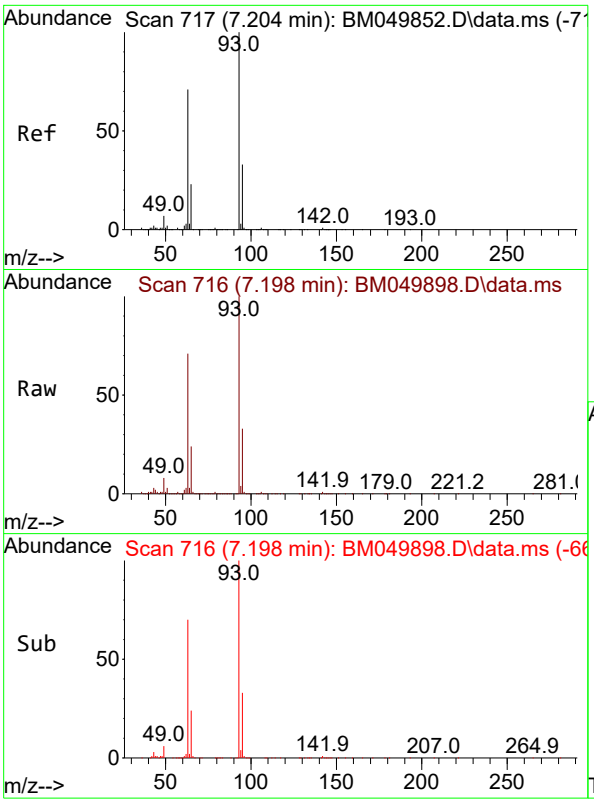


#10
Phenol
Concen: 51.480 ng
RT: 6.981 min Scan# 679
Delta R.T. 0.006 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Tgt Ion: 94 Resp: 1475976

Ion	Ratio	Lower	Upper
94	100		
65	26.0	7.3	47.3
66	33.7	14.8	54.8



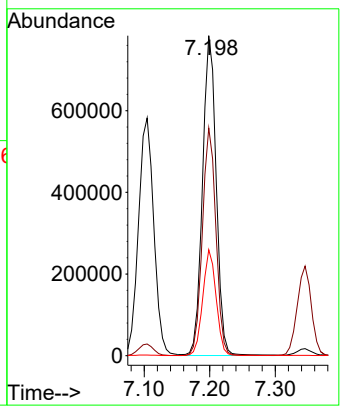


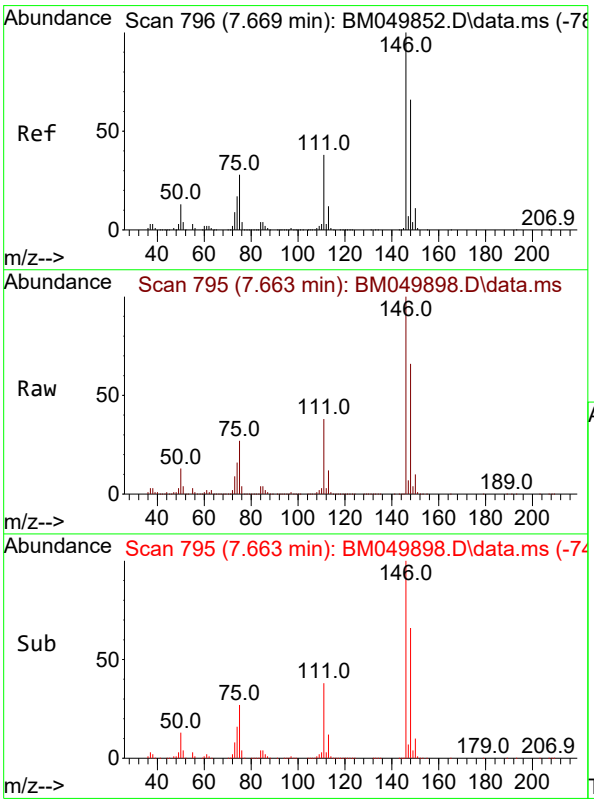
#11
bis(2-Chloroethyl)ether
Concen: 50.743 ng
RT: 7.198 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Instrument :
BNA_M
ClientSampleId :
GST3MSD

Tgt Ion: 93 Resp: 1140893

Ion	Ratio	Lower	Upper
93	100		
63	71.2	50.9	90.9
95	33.1	12.6	52.6

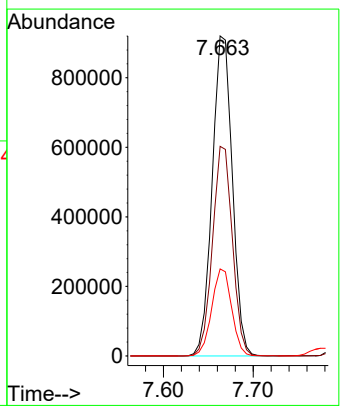


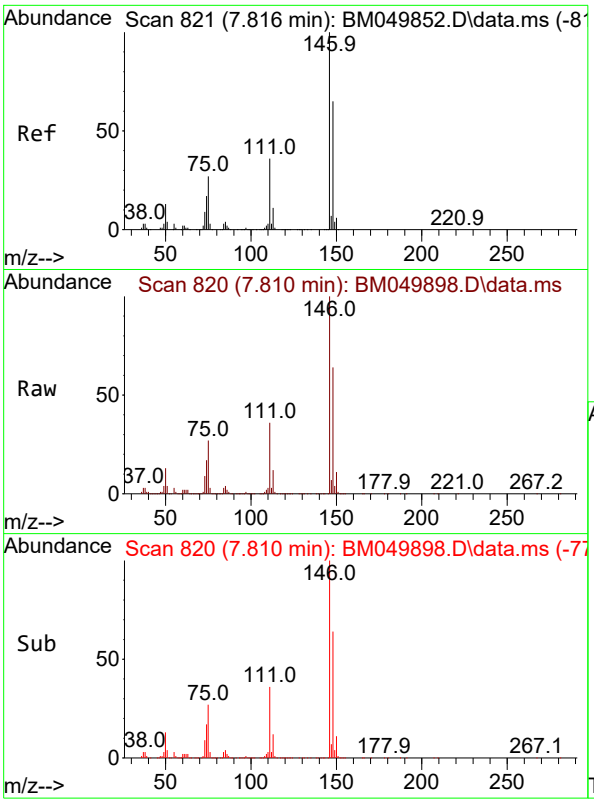


#12
1,3-Dichlorobenzene
Concen: 50.084 ng
RT: 7.663 min Scan# 795
Delta R.T. -0.006 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Tgt Ion:146 Resp: 1432961

Ion	Ratio	Lower	Upper
146	100		
148	65.5	52.5	78.7
75	27.2	22.5	33.7



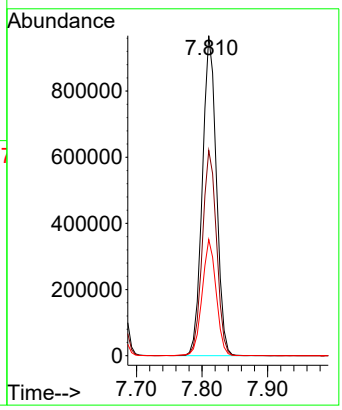


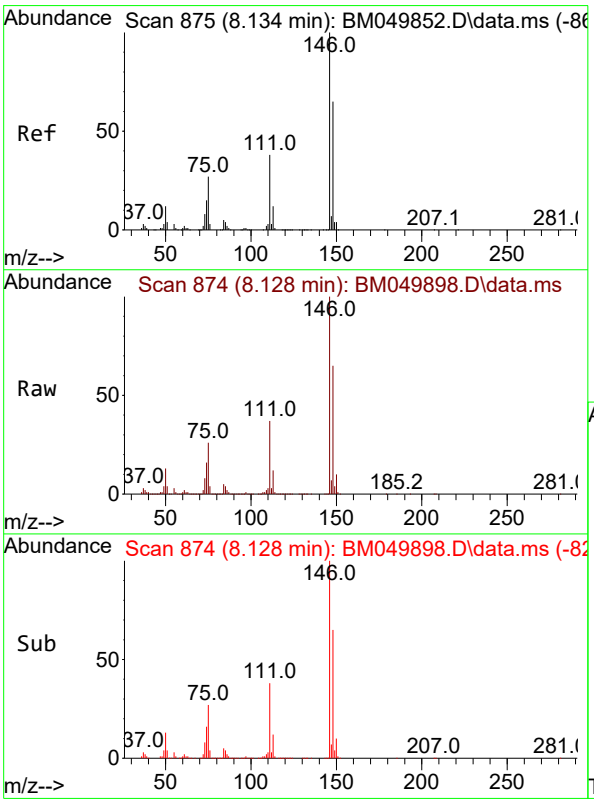
#13
1,4-Dichlorobenzene
Concen: 49.998 ng
RT: 7.810 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Instrument :
BNA_M
ClientSampleId :
GST3MSD

Tgt Ion:146 Resp: 1439366

Ion	Ratio	Lower	Upper
146	100		
148	64.1	52.4	78.6
111	36.3	28.5	42.7

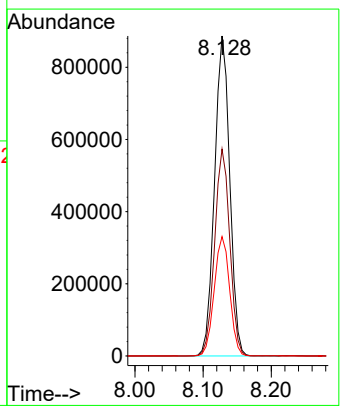


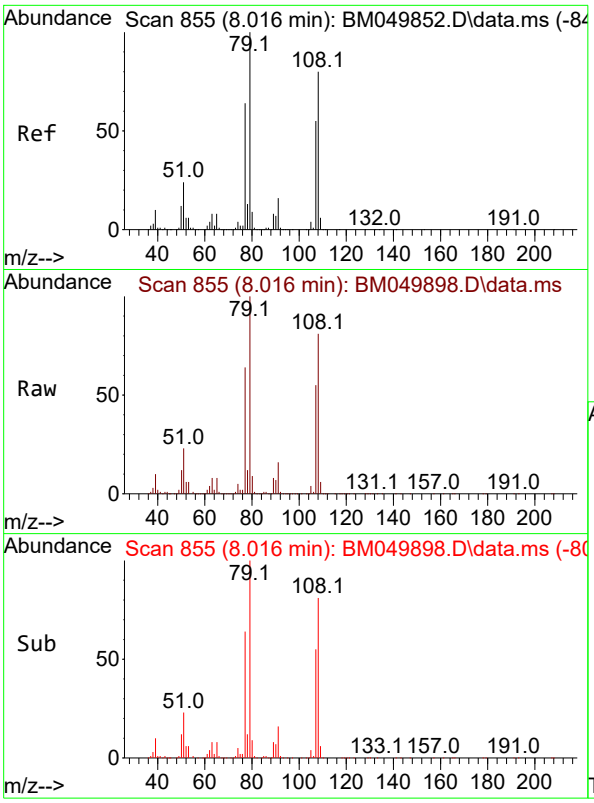


#14
1,2-Dichlorobenzene
Concen: 50.738 ng
RT: 8.128 min Scan# 874
Delta R.T. -0.006 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Tgt Ion:146 Resp: 1375788

Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.8	77.8
111	37.3	30.2	45.4



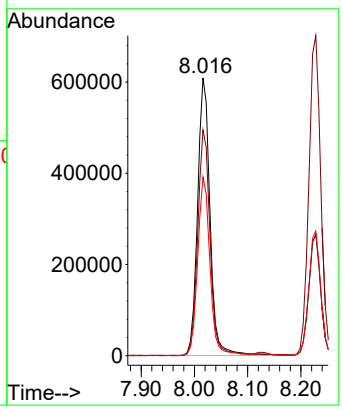


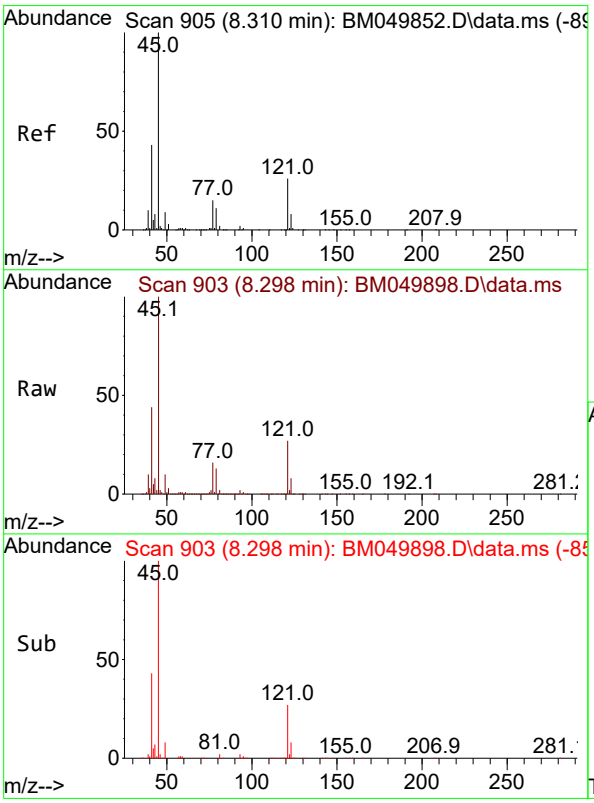
#15
Benzyl Alcohol
Concen: 53.267 ng
RT: 8.016 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Instrument :
BNA_M
ClientSampleId :
GST3MSD

Tgt Ion: 79 Resp: 985490

Ion	Ratio	Lower	Upper
79	100		
108	81.2	63.6	95.4
77	64.3	51.3	76.9

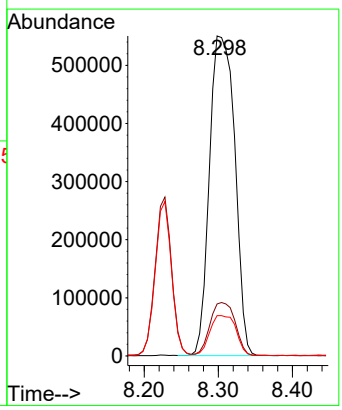


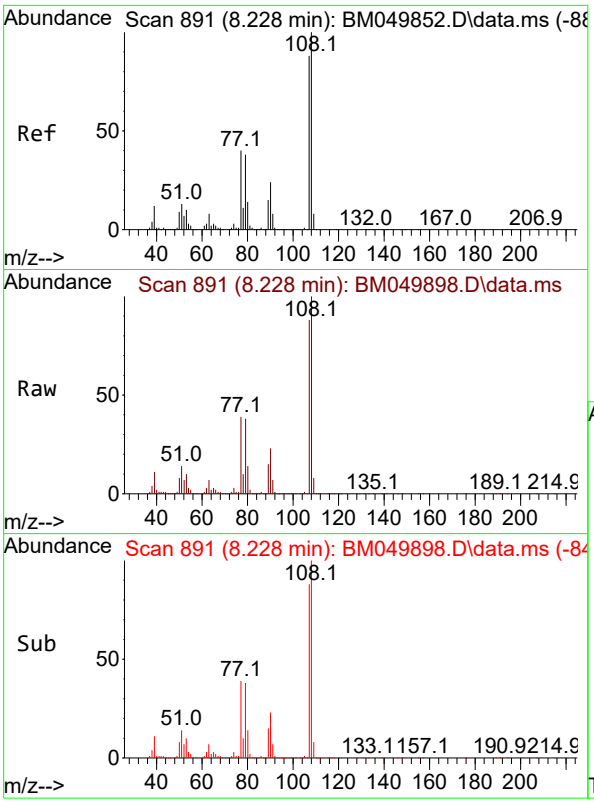


#16
2,2'-oxybis(1-Chloropropane)
Concen: 52.104 ng
RT: 8.298 min Scan# 903
Delta R.T. -0.012 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Tgt Ion: 45 Resp: 1305723

Ion	Ratio	Lower	Upper
45	100		
77	16.3	0.0	36.9
79	12.6	0.0	32.9



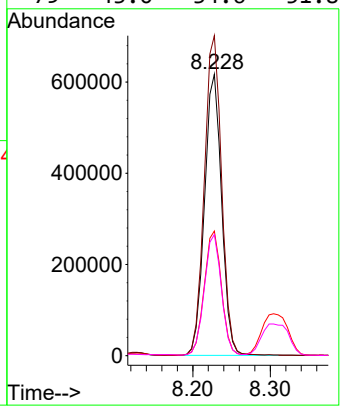


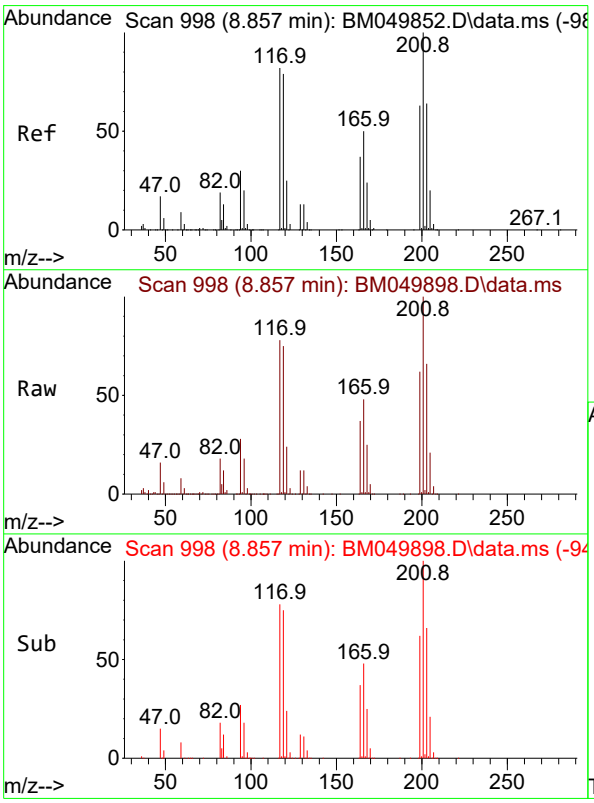
#17
2-Methylphenol
Concen: 53.521 ng
RT: 8.228 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Instrument :
BNA_M
ClientSampleId :
GST3MSD

Tgt Ion:107 Resp: 945629

Ion	Ratio	Lower	Upper
107	100		
108	113.7	91.0	136.6
77	44.3	36.5	54.7
79	43.0	34.6	51.8

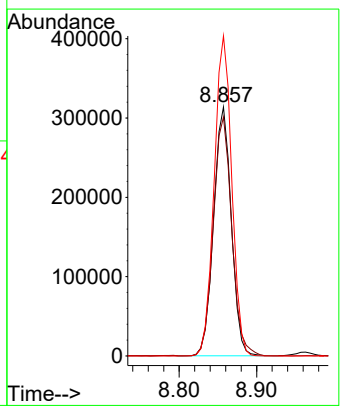


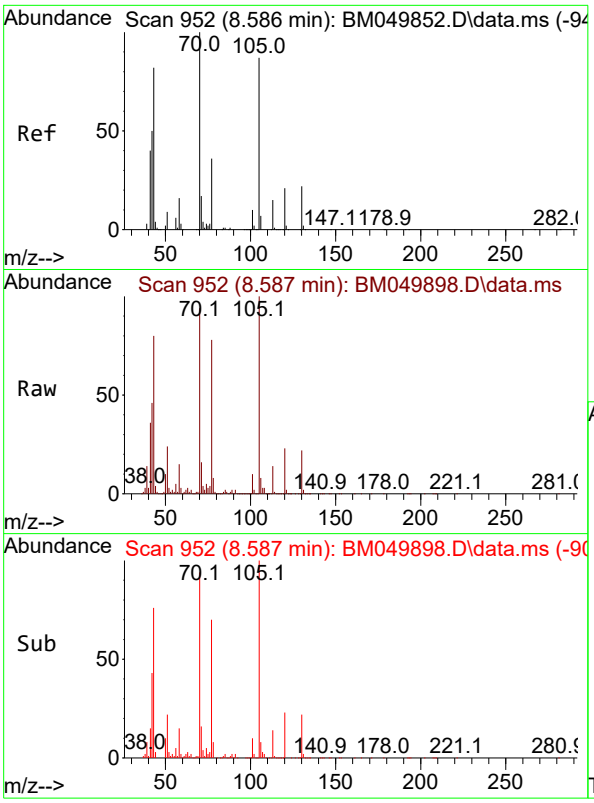


#18
Hexachloroethane
Concen: 49.718 ng
RT: 8.857 min Scan# 998
Delta R.T. 0.000 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Tgt Ion:117 Resp: 497965

Ion	Ratio	Lower	Upper
117	100		
119	95.9	77.5	116.3
201	128.5	97.7	146.5



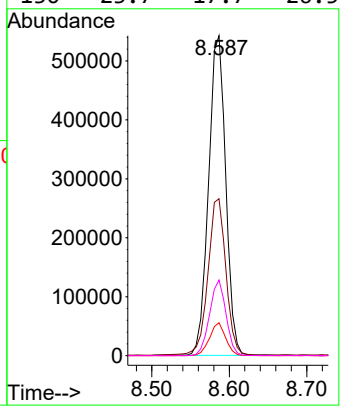


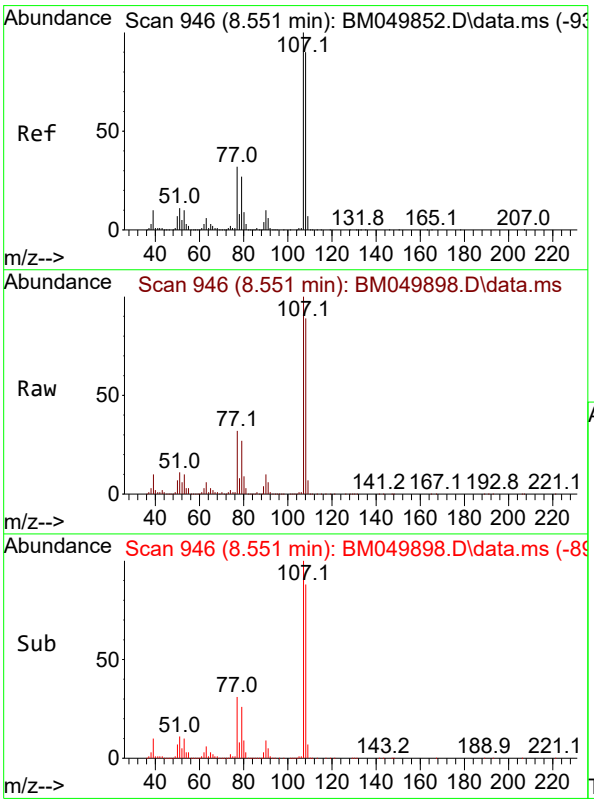
#19
n-Nitroso-di-n-propylamine
Concen: 51.130 ng
RT: 8.587 min Scan# 9
Delta R.T. 0.000 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Instrument :
BNA_M
ClientSampleId :
GST3MSD

Tgt Ion: 70 Resp: 832002

Ion	Ratio	Lower	Upper
70	100		
42	49.1	40.2	60.2
101	10.3	7.9	11.9
130	23.7	17.7	26.5

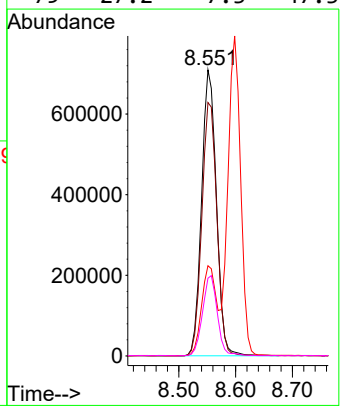


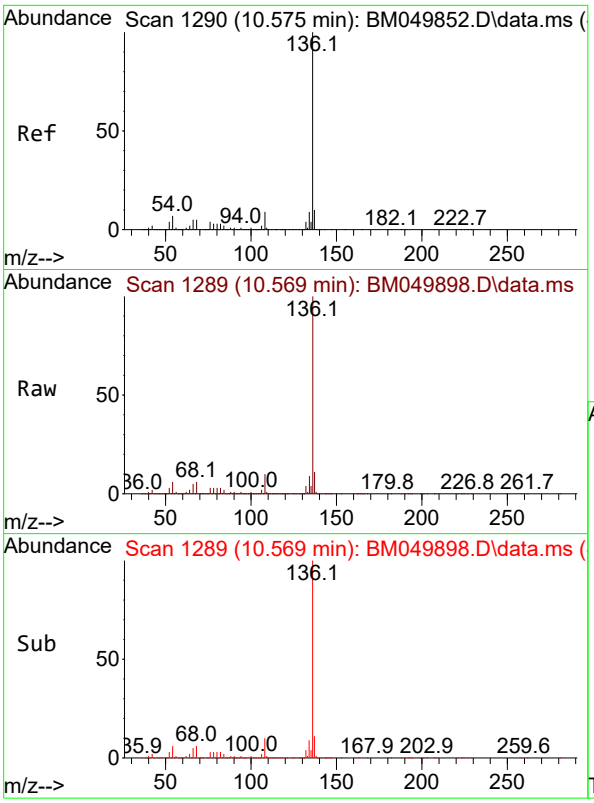


#20
3+4-Methylphenols
Concen: 53.179 ng
RT: 8.551 min Scan# 946
Delta R.T. 0.000 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Tgt Ion:107 Resp: 1280979

Ion	Ratio	Lower	Upper
107	100		
108	88.6	69.6	109.6
77	31.5	11.7	51.7
79	27.2	7.3	47.3



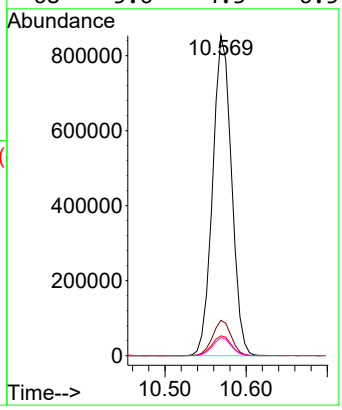


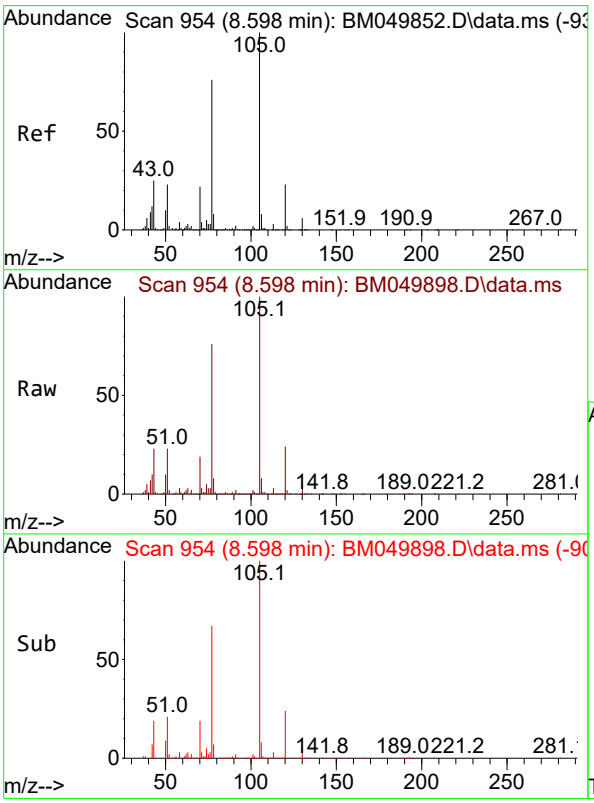
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.569 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Instrument :
BNA_M
ClientSampleId :
GST3MSD

Tgt Ion:136 Resp: 1382295

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	6.2	5.3	7.9
68	5.6	4.3	6.5

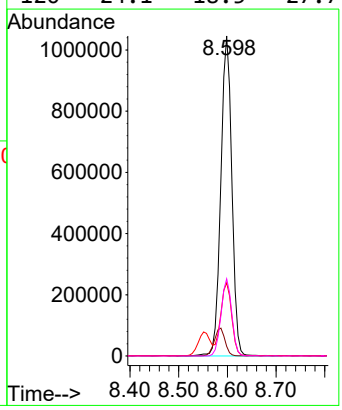


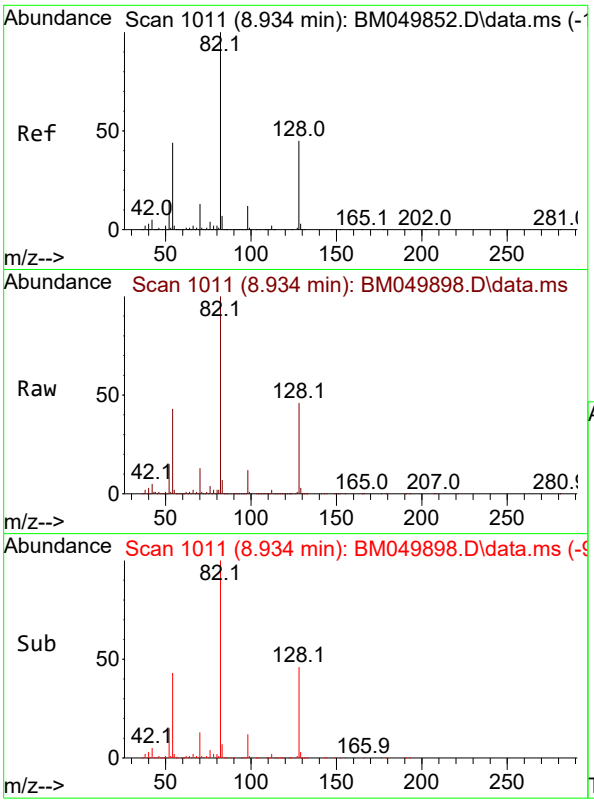


#22
Acetophenone
Concen: 49.115 ng
RT: 8.598 min Scan# 954
Delta R.T. 0.000 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Tgt Ion:105 Resp: 1649958

Ion	Ratio	Lower	Upper
105	100		
71	3.0	3.0	4.4
51	22.8	18.6	27.8
120	24.1	18.5	27.7



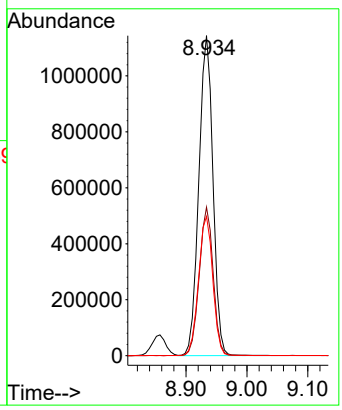


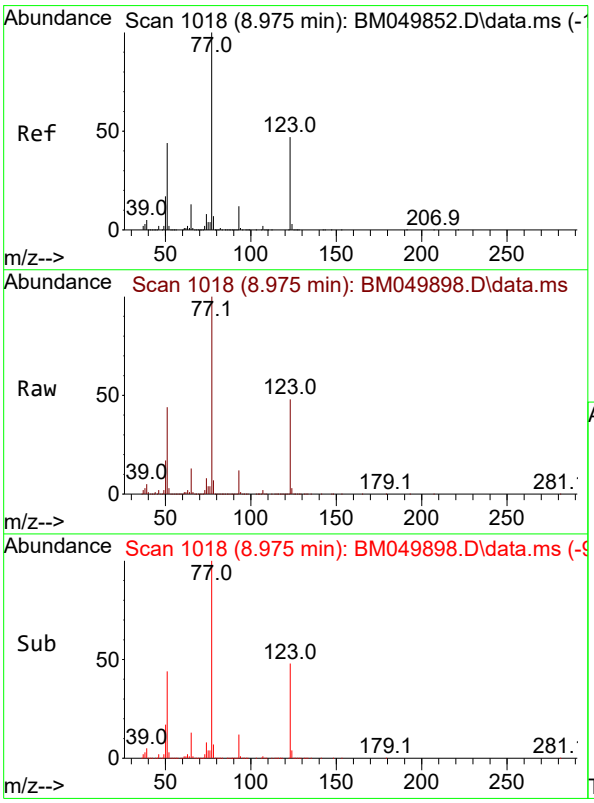
#23
Nitrobenzene-d5
Concen: 74.007 ng
RT: 8.934 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Instrument :
BNA_M
ClientSampleId :
GST3MSD

Tgt Ion: 82 Resp: 1837091

Ion	Ratio	Lower	Upper
82	100		
128	46.4	36.2	54.2
54	43.5	35.0	52.6

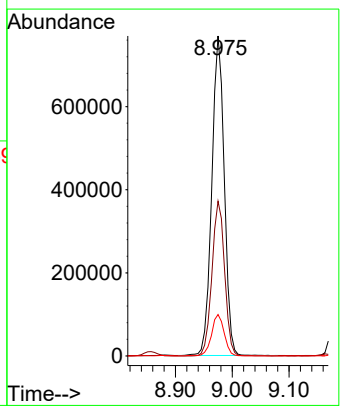


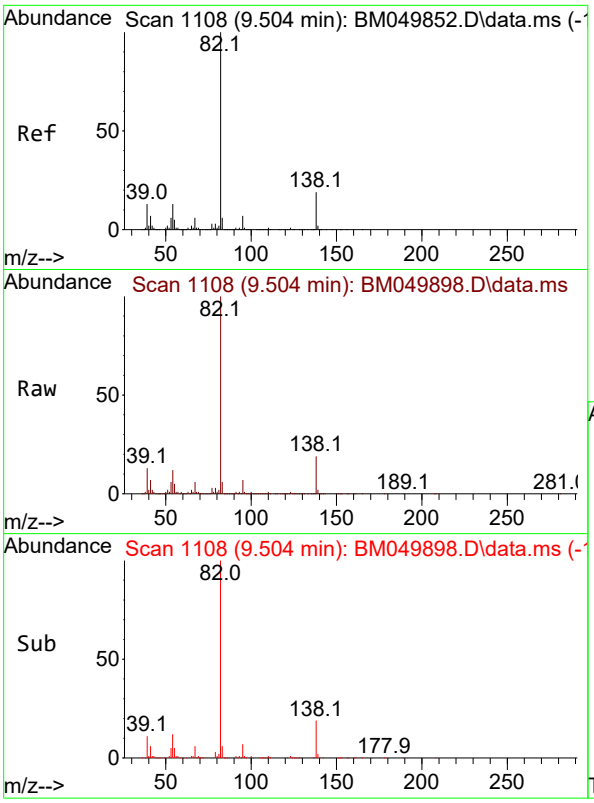


#24
Nitrobenzene
Concen: 48.995 ng
RT: 8.975 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Tgt Ion: 77 Resp: 1171100

Ion	Ratio	Lower	Upper
77	100		
123	48.4	37.4	56.2
65	13.0	10.1	15.1



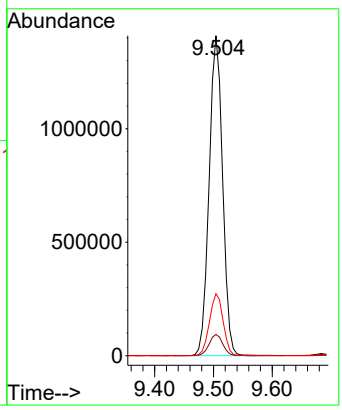


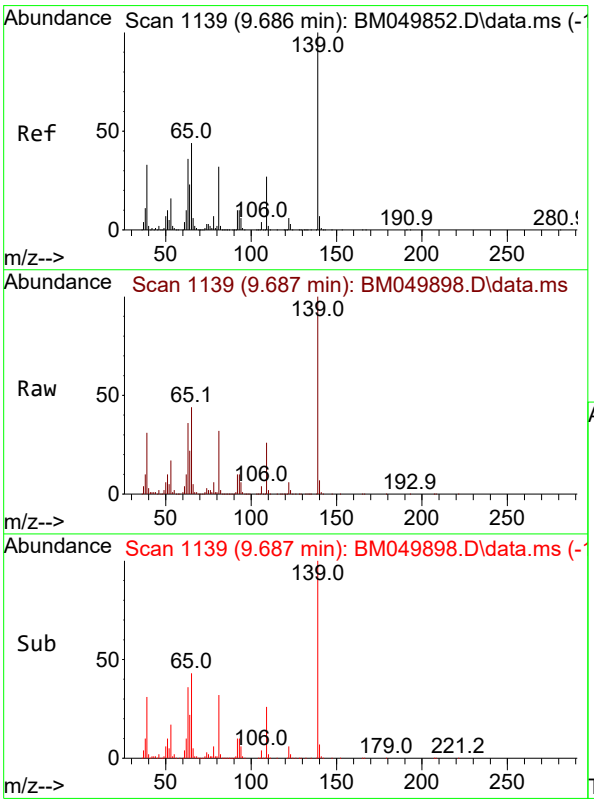
#25
Isophorone
Concen: 53.975 ng
RT: 9.504 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Instrument :
BNA_M
ClientSampleId :
GST3MSD

Tgt Ion: 82 Resp: 2244514

Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.4	8.2
138	19.3	15.0	22.6

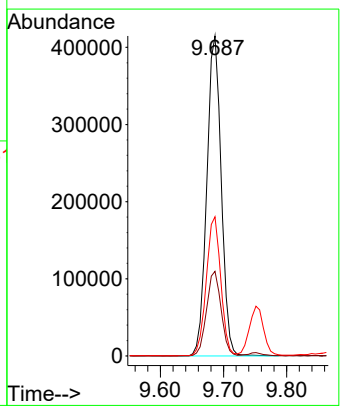


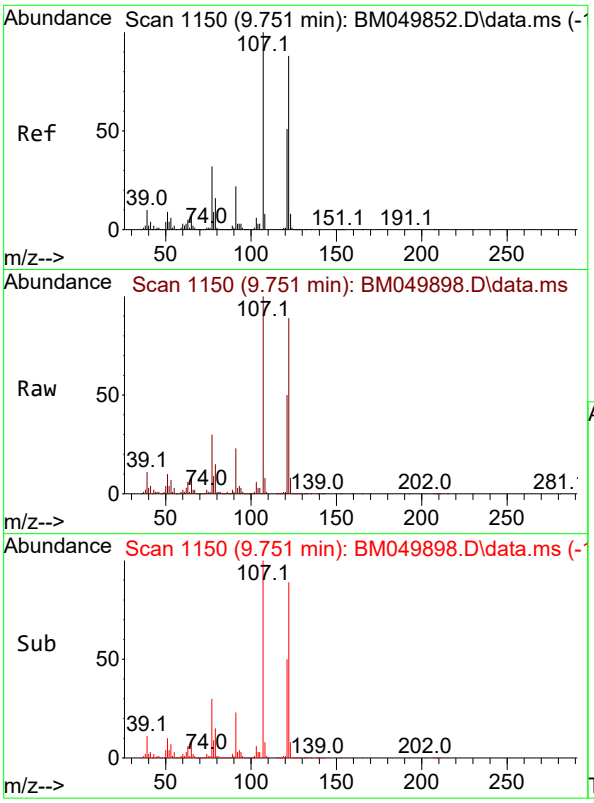


#26
2-Nitrophenol
Concen: 51.842 ng
RT: 9.687 min Scan# 1139
Delta R.T. 0.000 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Tgt Ion:139 Resp: 656771

Ion	Ratio	Lower	Upper
139	100		
109	26.4	21.7	32.5
65	43.5	35.2	52.8



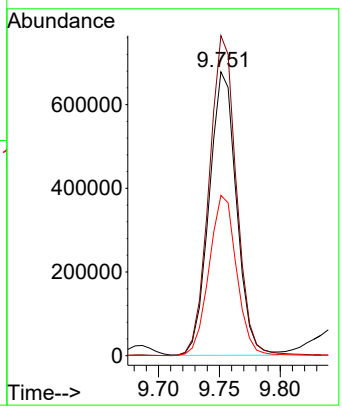


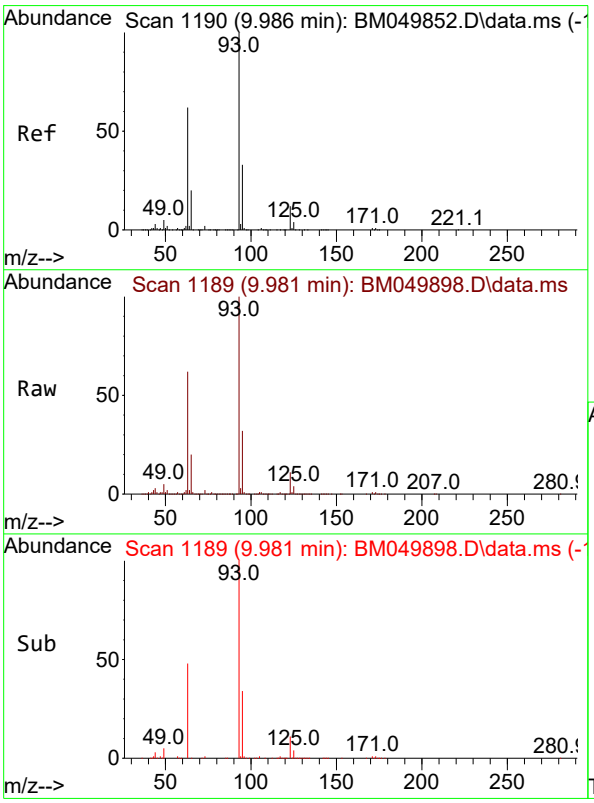
#27
2,4-Dimethylphenol
Concen: 73.831 ng
RT: 9.751 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Instrument :
BNA_M
ClientSampleId :
GST3MSD

Tgt Ion:122 Resp: 1060021

Ion	Ratio	Lower	Upper
122	100		
107	112.8	90.3	135.5
121	56.5	46.1	69.1

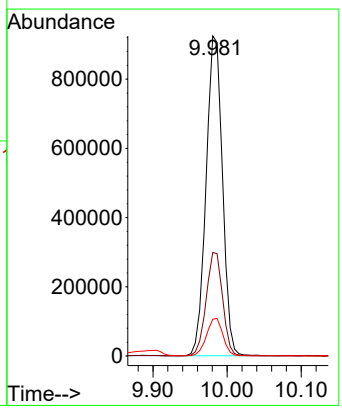


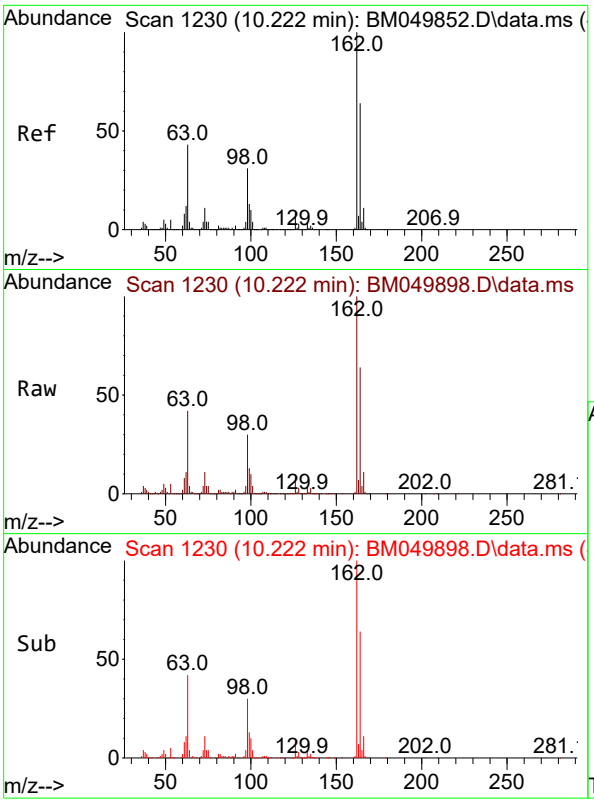


#28
bis(2-Chloroethoxy)methane
Concen: 51.081 ng
RT: 9.981 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Tgt Ion: 93 Resp: 1422065

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.6	40.0
123	11.4	9.5	14.3



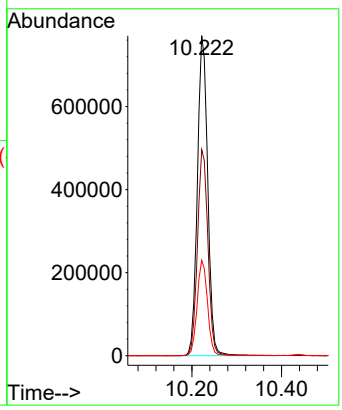


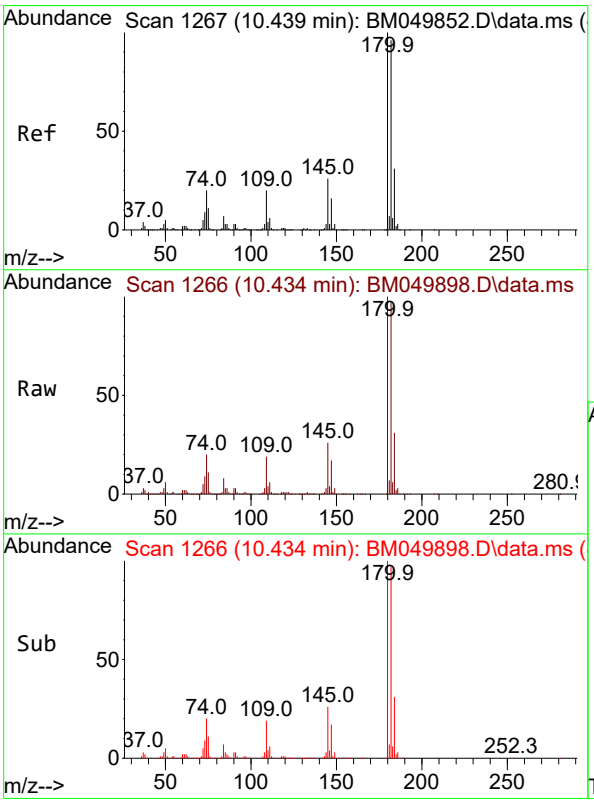
#29
2,4-Dichlorophenol
Concen: 51.738 ng
RT: 10.222 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Instrument :
BNA_M
ClientSampleId :
GST3MSD

Tgt Ion:162 Resp: 1234756

Ion	Ratio	Lower	Upper
162	100		
164	64.4	44.3	84.3
98	29.8	10.9	50.9

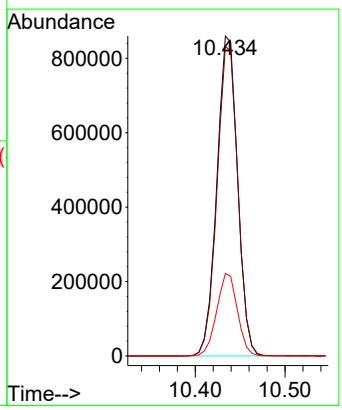


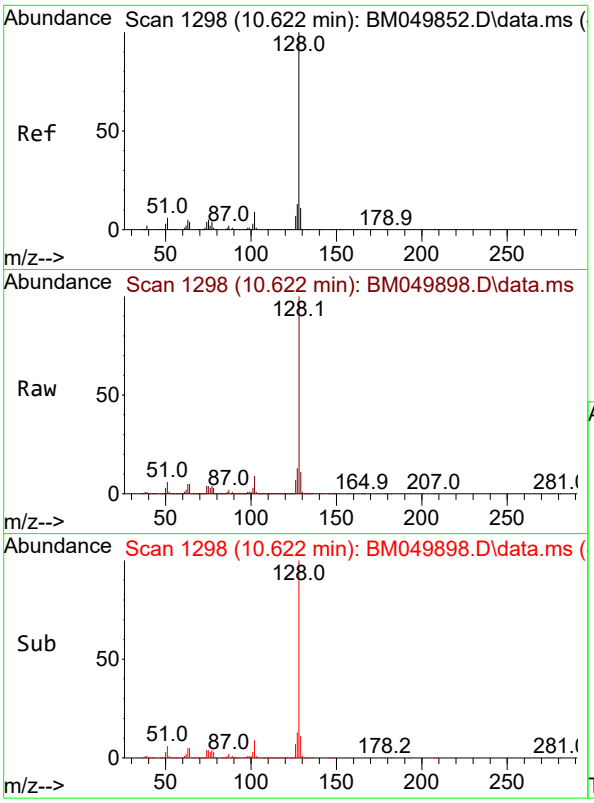


#30
1,2,4-Trichlorobenzene
Concen: 49.981 ng
RT: 10.434 min Scan# 1266
Delta R.T. -0.006 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Tgt Ion:180 Resp: 1379917

Ion	Ratio	Lower	Upper
180	100		
182	96.8	76.7	115.1
145	25.8	20.8	31.2



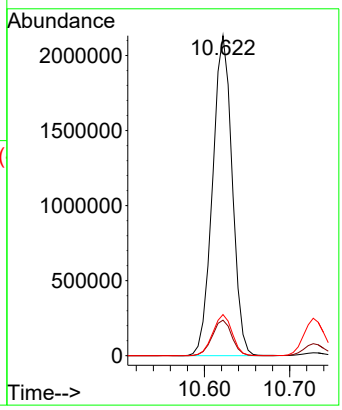


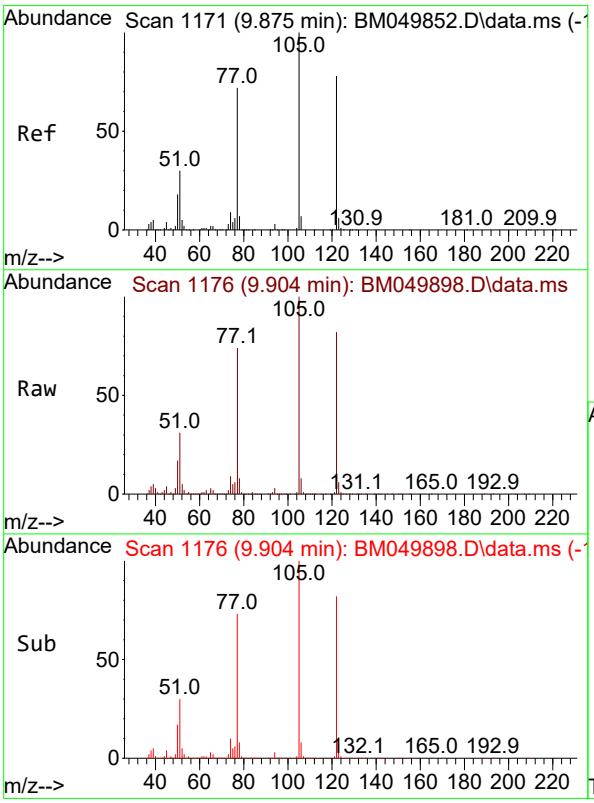
#31
Naphthalene
Concen: 47.951 ng
RT: 10.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Instrument :
BNA_M
ClientSampleId :
GST3MSD

Tgt Ion:128 Resp: 3405888

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	12.8	10.6	15.8

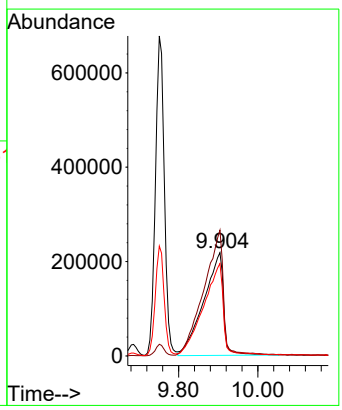


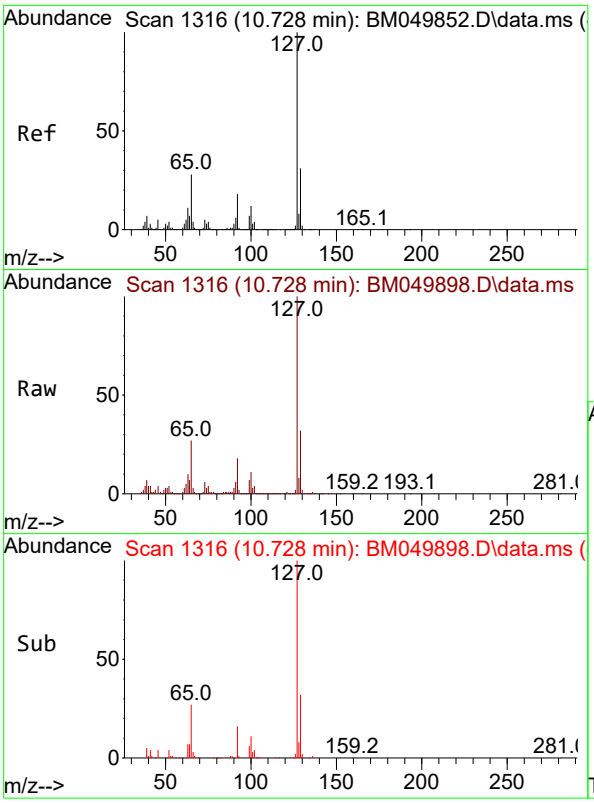


#32
Benzoic acid
Concen: 43.585 ng
RT: 9.904 min Scan# 1176
Delta R.T. 0.029 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Tgt Ion:122 Resp: 758654

Ion	Ratio	Lower	Upper
122	100		
105	121.6	103.8	143.8
77	89.5	70.7	110.7



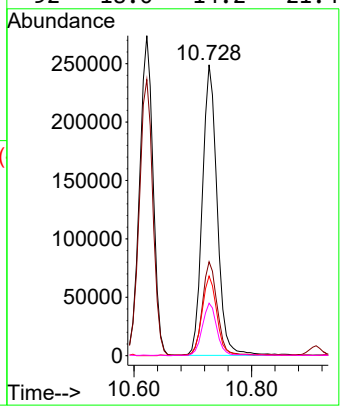


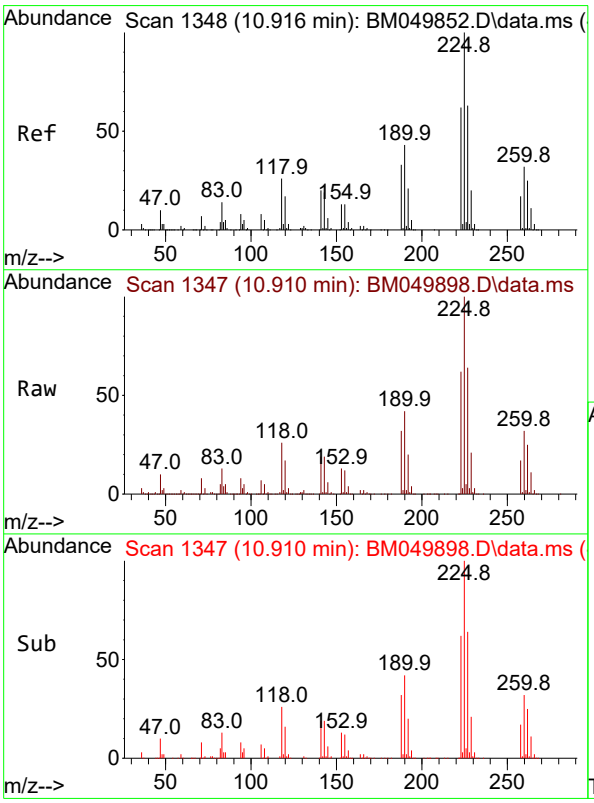
#33
4-Chloroaniline
Concen: 17.340 ng
RT: 10.728 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Instrument :
BNA_M
ClientSampleId :
GST3MSD

Tgt Ion:127 Resp: 434899

Ion	Ratio	Lower	Upper
127	100		
129	32.3	24.9	37.3
65	27.4	22.4	33.6
92	18.0	14.2	21.4

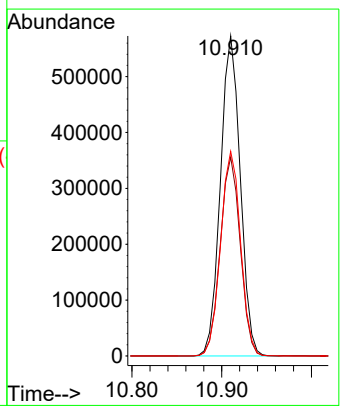


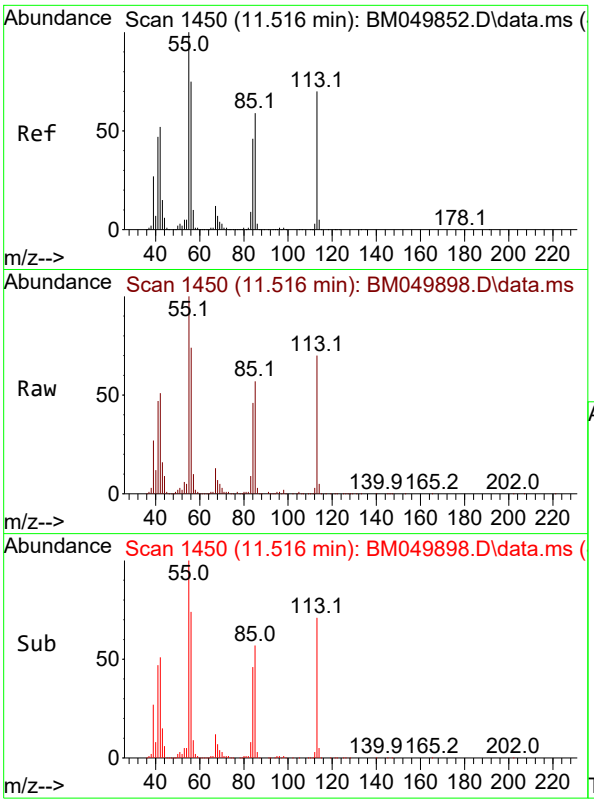


#34
Hexachlorobutadiene
Concen: 51.446 ng
RT: 10.910 min Scan# 1347
Delta R.T. -0.006 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Tgt Ion:225 Resp: 878595

Ion	Ratio	Lower	Upper
225	100		
223	62.2	49.4	74.2
227	64.0	50.1	75.1



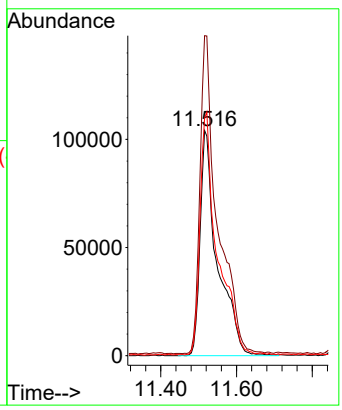


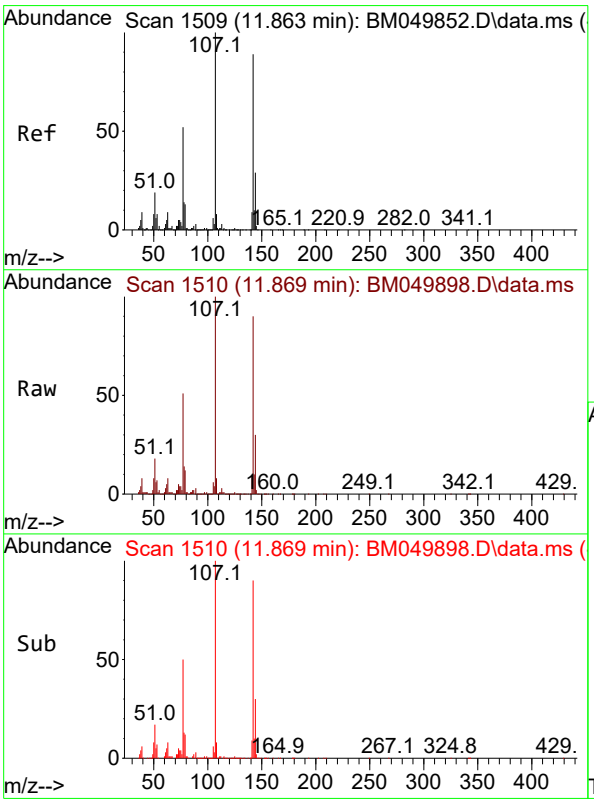
#35
Caprolactam
Concen: 48.174 ng
RT: 11.516 min Scan# 14
Delta R.T. 0.000 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Instrument :
BNA_M
ClientSampleId :
GST3MSD

Tgt Ion:113 Resp: 329748

Ion	Ratio	Lower	Upper
113	100		
55	142.2	124.3	164.3
56	105.5	87.5	127.5

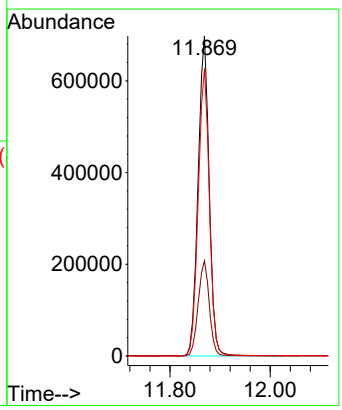


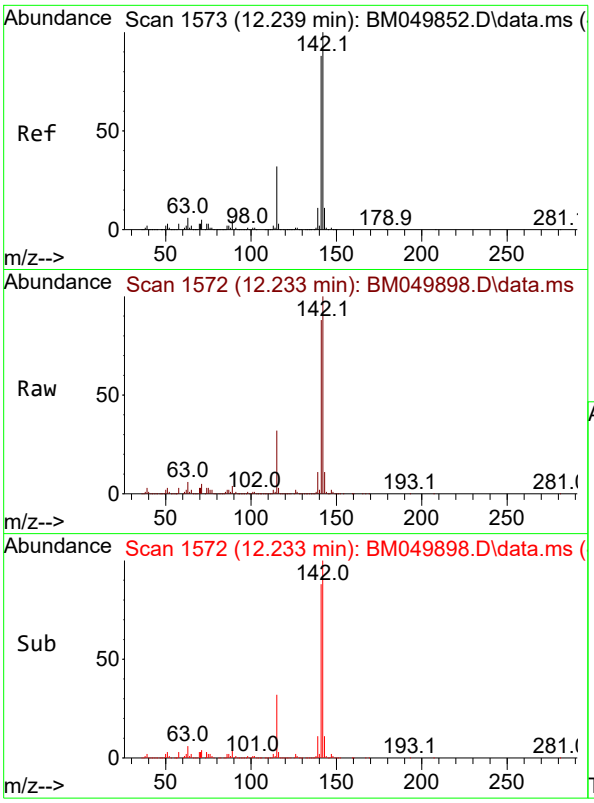


#36
4-Chloro-3-methylphenol
Concen: 51.180 ng
RT: 11.869 min Scan# 1510
Delta R.T. 0.006 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Tgt Ion:107 Resp: 1069922

Ion	Ratio	Lower	Upper
107	100		
144	29.7	23.6	35.4
142	89.8	71.4	107.0



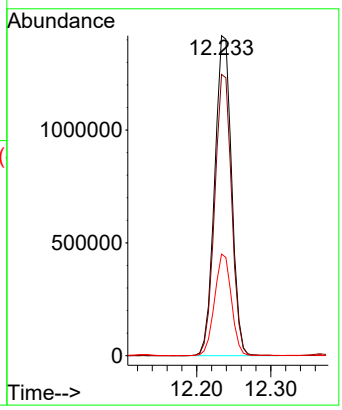


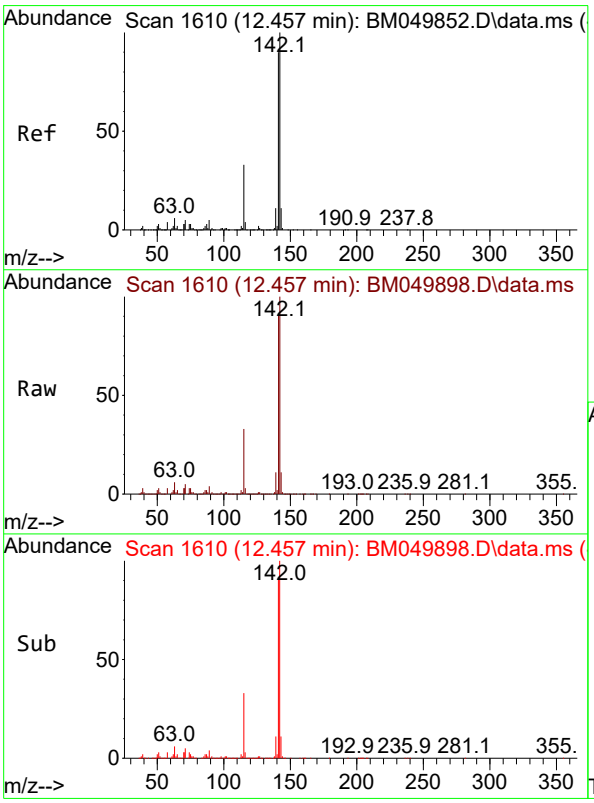
#37
2-Methylnaphthalene
Concen: 44.976 ng
RT: 12.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Instrument :
BNA_M
ClientSampleId :
GST3MSD

Tgt Ion:142 Resp: 2250762

Ion	Ratio	Lower	Upper
142	100		
141	87.9	70.2	105.2
115	31.8	25.4	38.2

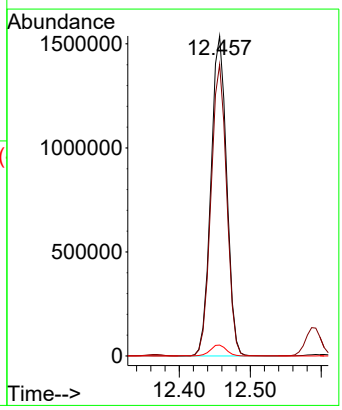


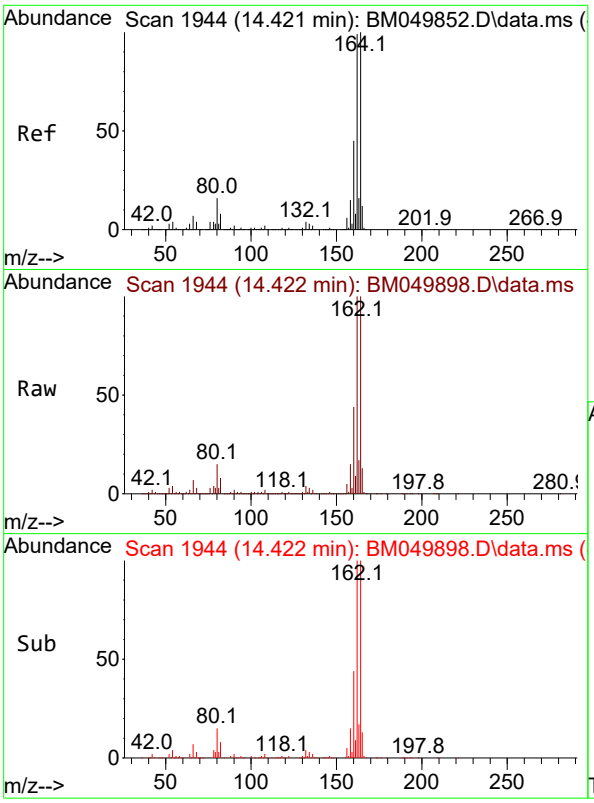


#38
1-Methylnaphthalene
Concen: 48.495 ng
RT: 12.457 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Tgt Ion:142 Resp: 2364350

Ion	Ratio	Lower	Upper
142	100		
141	91.1	72.2	108.2
116	3.4	2.9	4.3



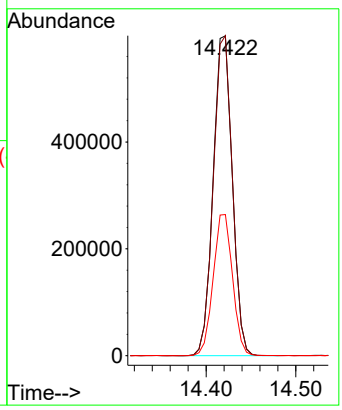


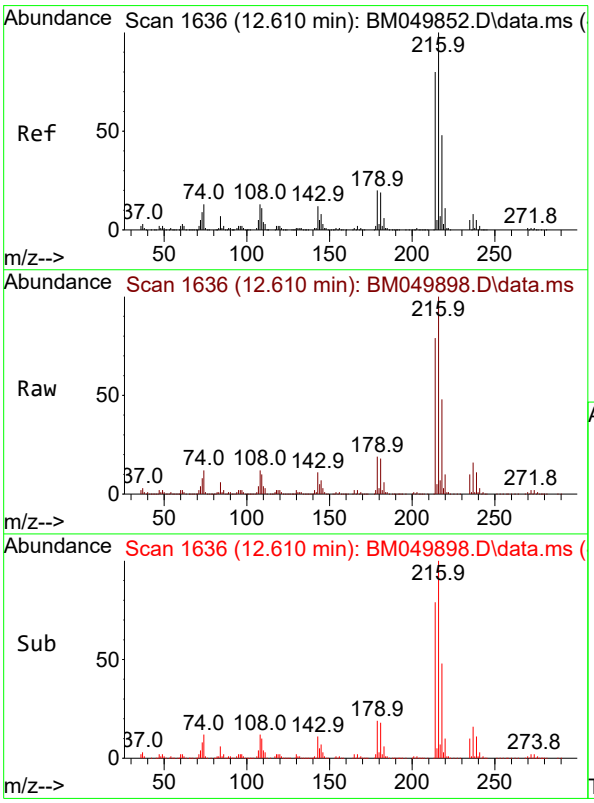
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.422 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Instrument :
BNA_M
ClientSampleId :
GST3MSD

Tgt Ion:164 Resp: 886995

Ion	Ratio	Lower	Upper
164	100		
162	100.1	79.4	119.0
160	44.1	36.2	54.2

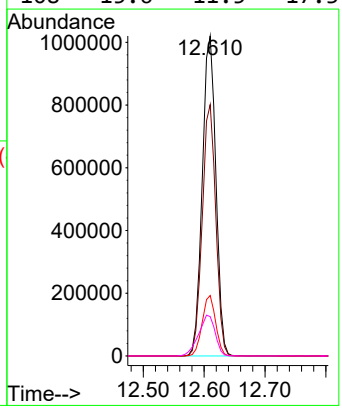


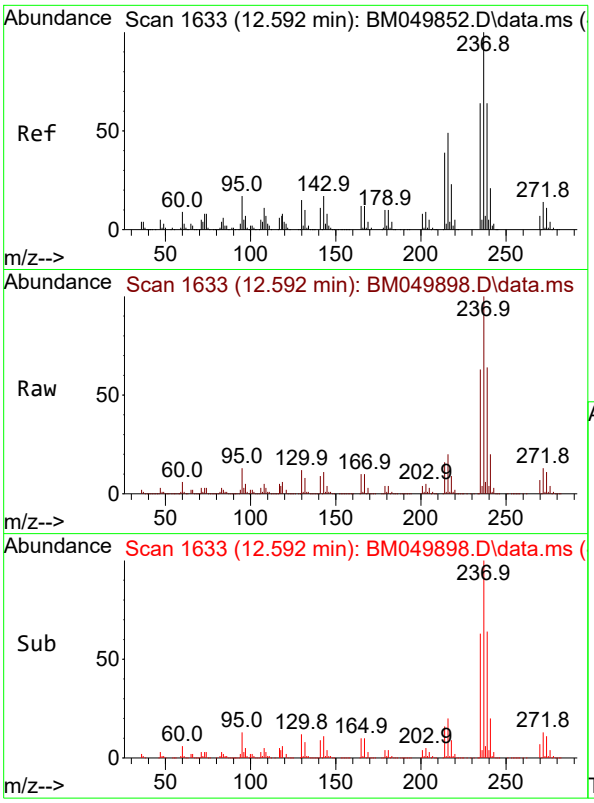


#40
1,2,4,5-Tetrachlorobenzene
Concen: 50.897 ng
RT: 12.610 min Scan# 1636
Delta R.T. 0.000 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Tgt Ion:216 Resp: 1579385

Ion	Ratio	Lower	Upper
216	100		
214	78.1	63.2	94.8
179	18.7	15.8	23.6
108	15.6	11.5	17.3



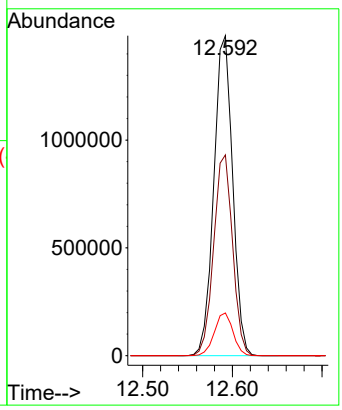


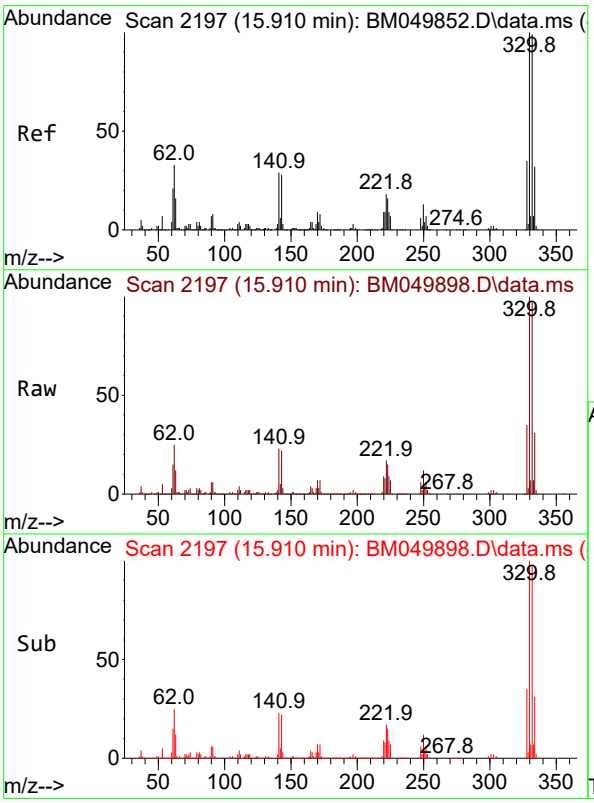
#41
Hexachlorocyclopentadiene
Concen: 198.461 ng
RT: 12.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Instrument :
BNA_M
ClientSampleId :
GST3MSD

Tgt Ion:237 Resp: 2157971

Ion	Ratio	Lower	Upper
237	100		
235	62.7	43.7	83.7
272	13.3	0.0	33.5

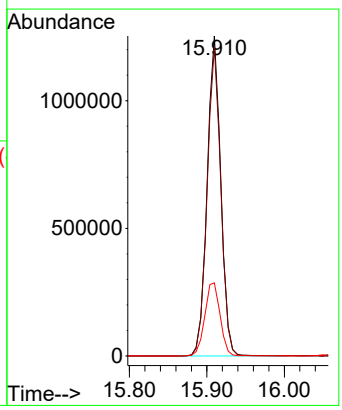


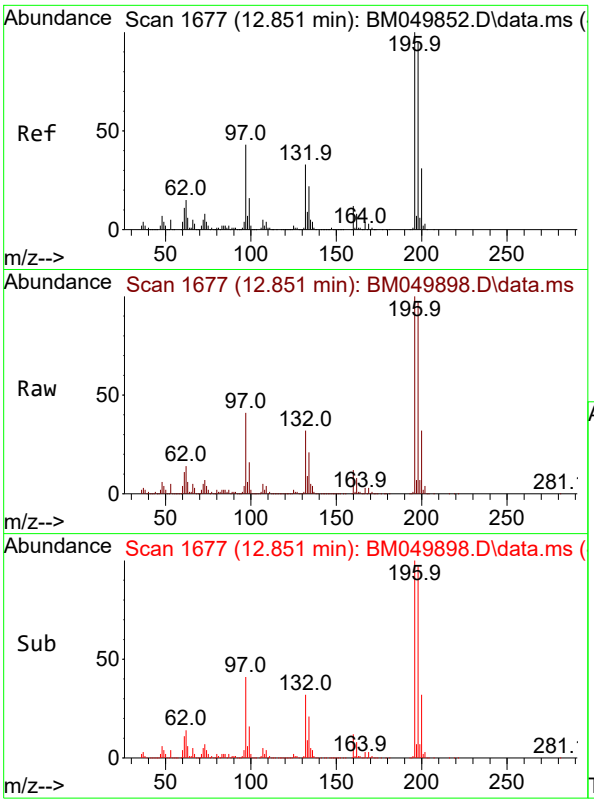


#42
2,4,6-Tribromophenol
Concen: 119.016 ng
RT: 15.910 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Tgt Ion:330 Resp: 1535504

Ion	Ratio	Lower	Upper
330	100		
332	96.6	78.0	117.0
141	25.6	23.5	35.3



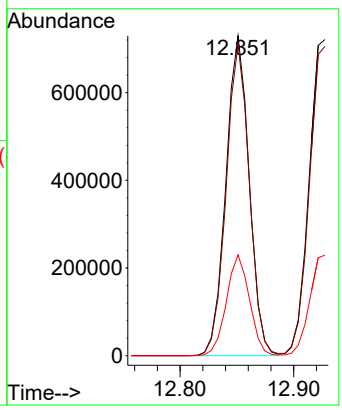


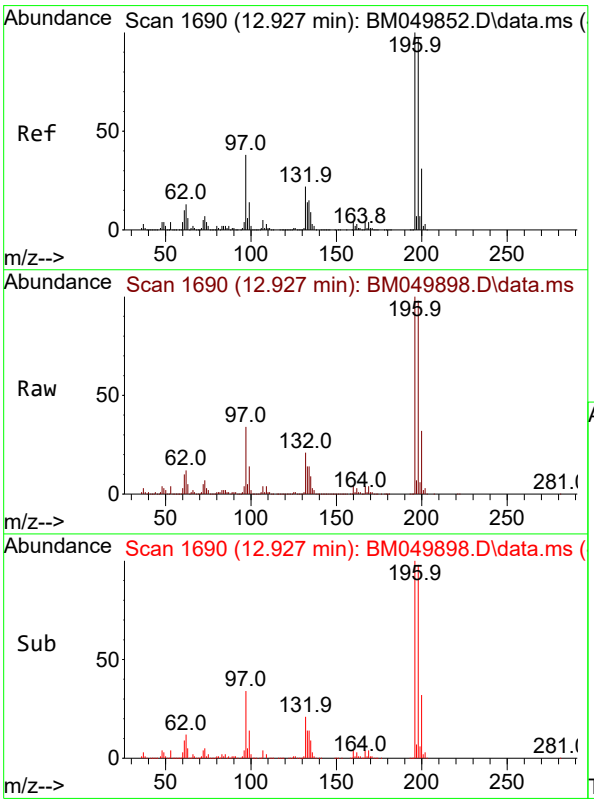
#43
2,4,6-Trichlorophenol
Concen: 52.643 ng
RT: 12.851 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Instrument :
BNA_M
ClientSampleId :
GST3MSD

Tgt Ion:196 Resp: 1039494

Ion	Ratio	Lower	Upper
196	100		
198	97.2	76.1	114.1
200	31.5	24.7	37.1

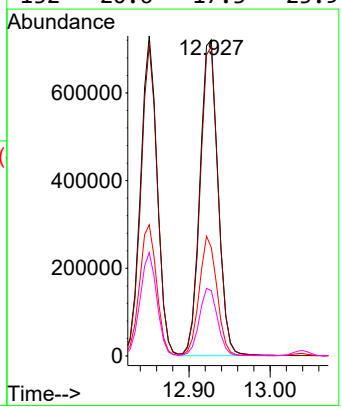


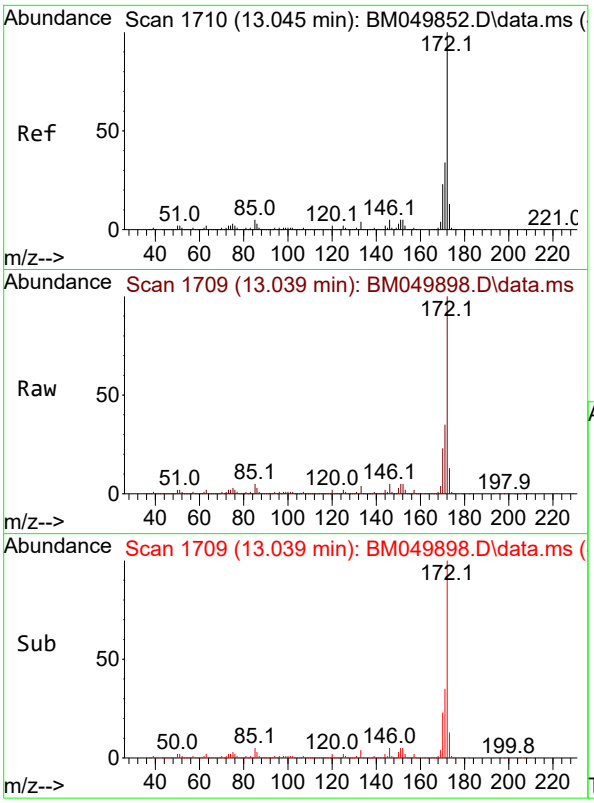


#44
2,4,5-Trichlorophenol
Concen: 51.877 ng
RT: 12.927 min Scan# 1690
Delta R.T. 0.000 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Tgt Ion:196 Resp: 1113199

Ion	Ratio	Lower	Upper
196	100		
198	97.8	77.7	116.5
97	34.3	30.3	45.5
132	20.6	17.3	25.9



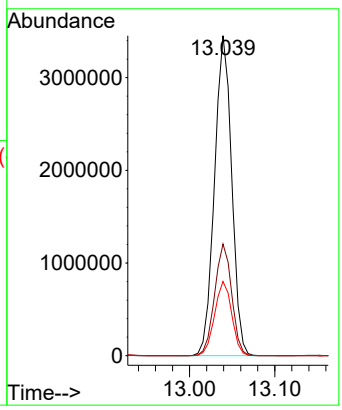


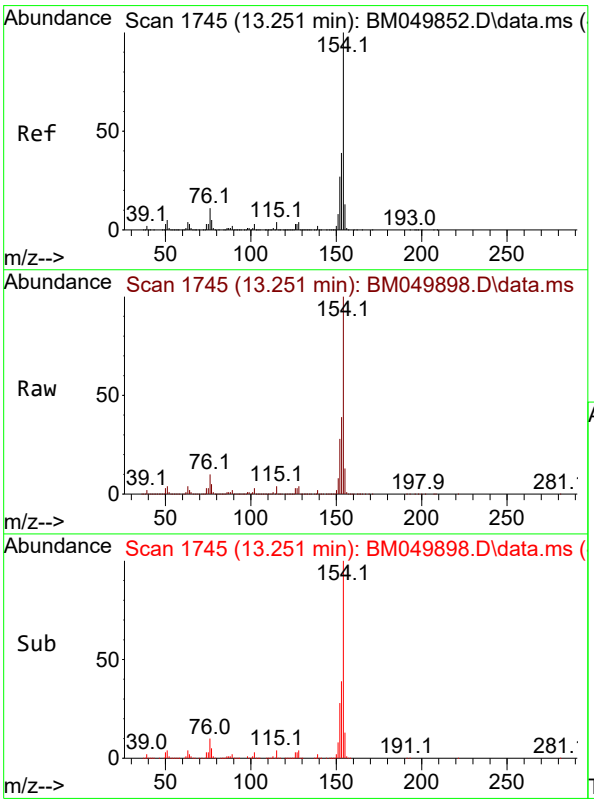
#45
2-Fluorobiphenyl
Concen: 73.933 ng
RT: 13.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Instrument :
BNA_M
ClientSampleId :
GST3MSD

Tgt Ion:172 Resp: 4836128

Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.4	41.2
170	23.2	18.6	28.0

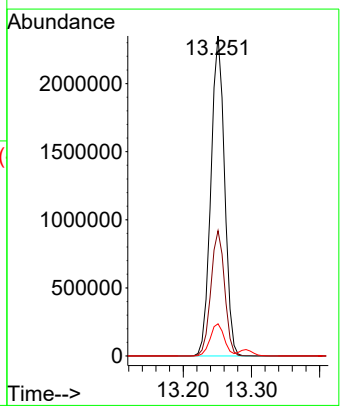


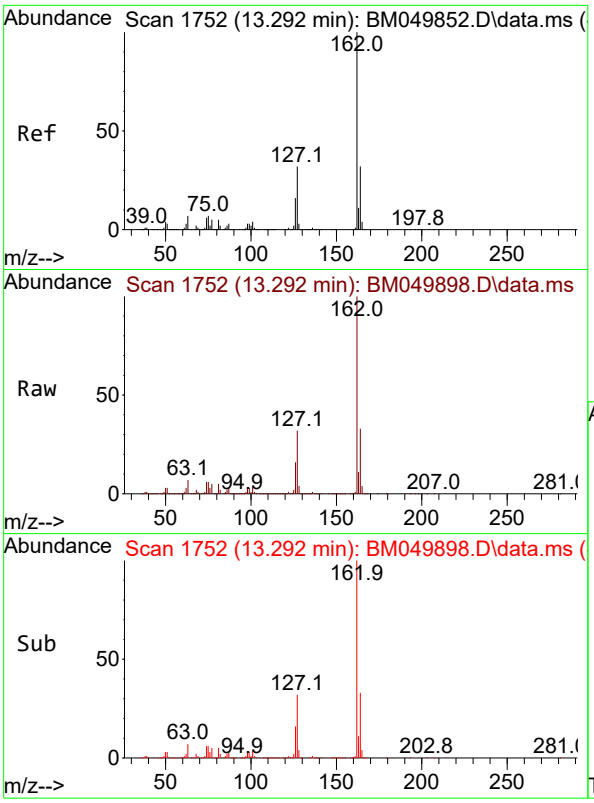


#46
1,1'-Biphenyl
Concen: 49.661 ng
RT: 13.251 min Scan# 1745
Delta R.T. 0.000 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Tgt Ion:154 Resp: 3274438

Ion	Ratio	Lower	Upper
154	100		
153	39.2	19.3	59.3
76	10.1	0.0	30.7



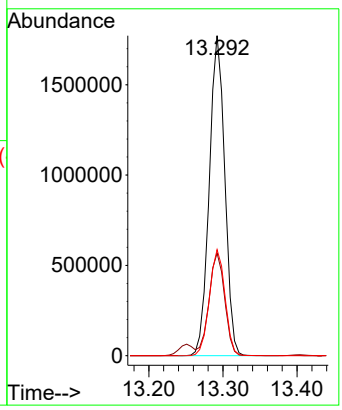


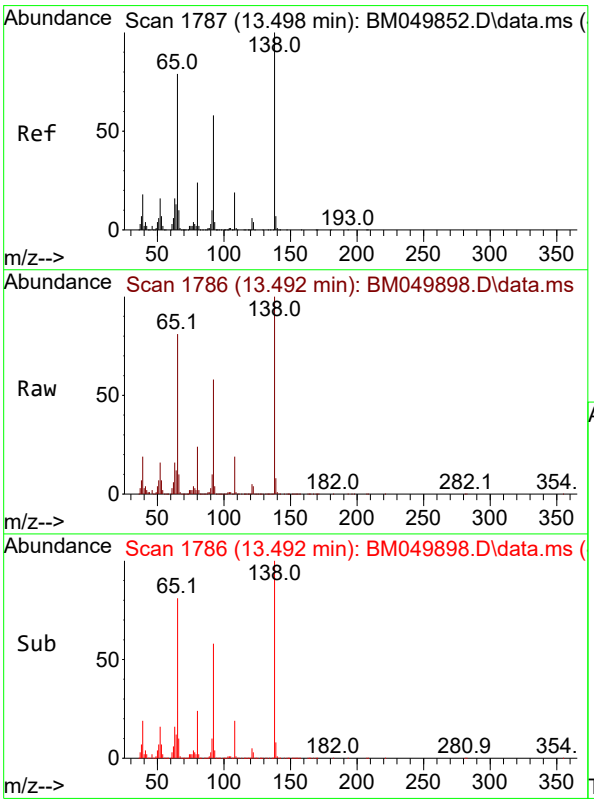
#47
2-Chloronaphthalene
Concen: 49.784 ng
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Instrument :
BNA_M
ClientSampleId :
GST3MSD

Tgt Ion:162 Resp: 2580046

Ion	Ratio	Lower	Upper
162	100		
127	32.0	26.0	39.0
164	33.1	25.9	38.9

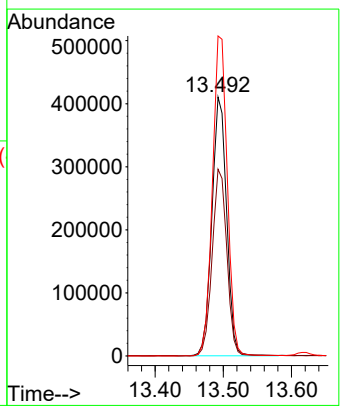


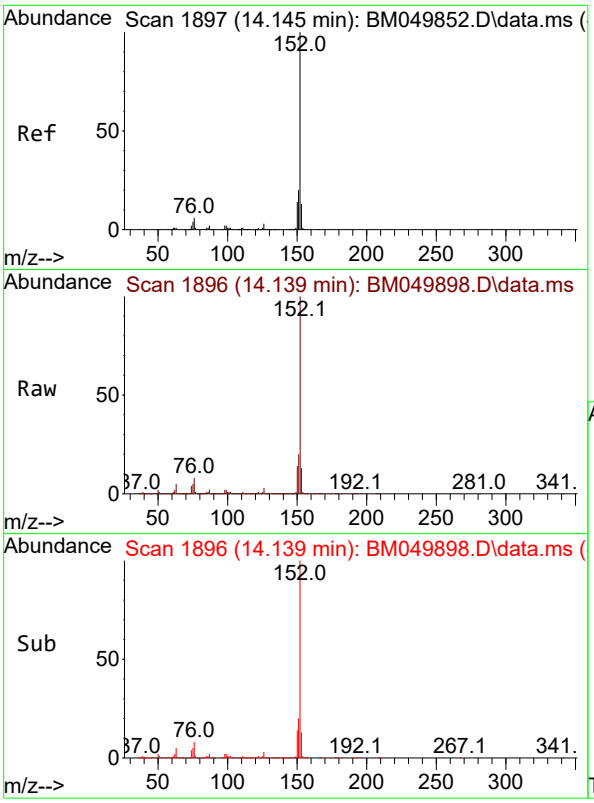


#48
2-Nitroaniline
Concen: 51.442 ng
RT: 13.492 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Tgt Ion: 65 Resp: 616761

Ion	Ratio	Lower	Upper
65	100		
92	72.1	58.4	87.6
138	123.6	100.8	151.2



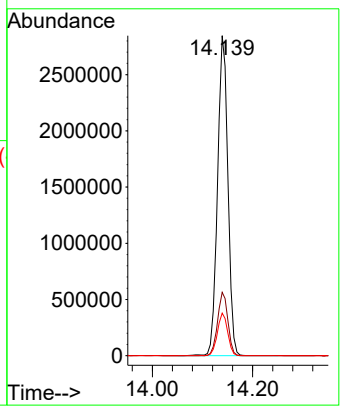


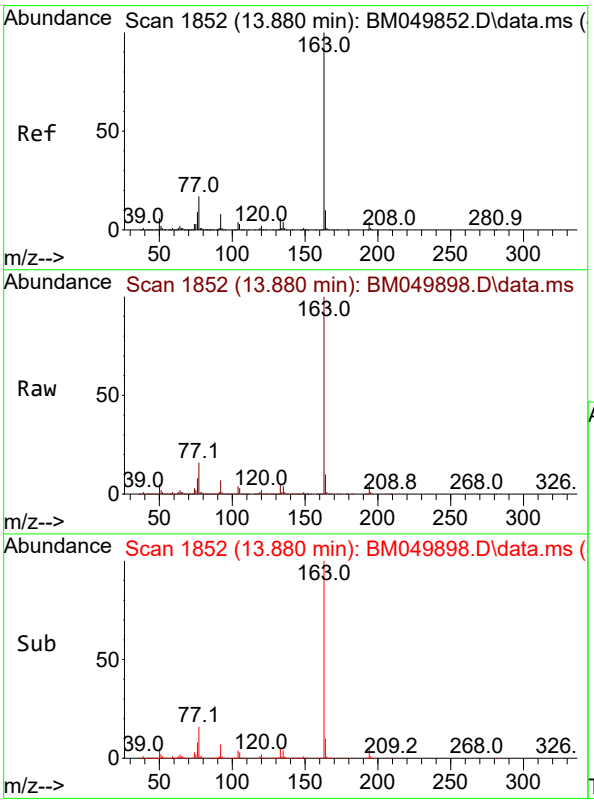
#49
Acenaphthylene
Concen: 53.772 ng
RT: 14.139 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Instrument :
BNA_M
ClientSampleId :
GST3MSD

Tgt Ion:152 Resp: 4059287

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.7	23.5
153	13.3	10.4	15.6

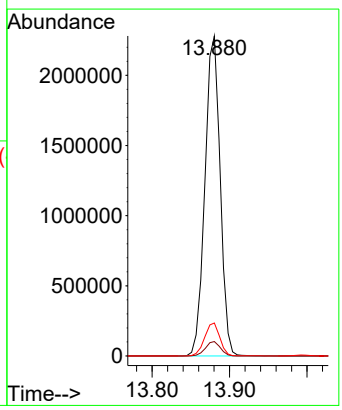


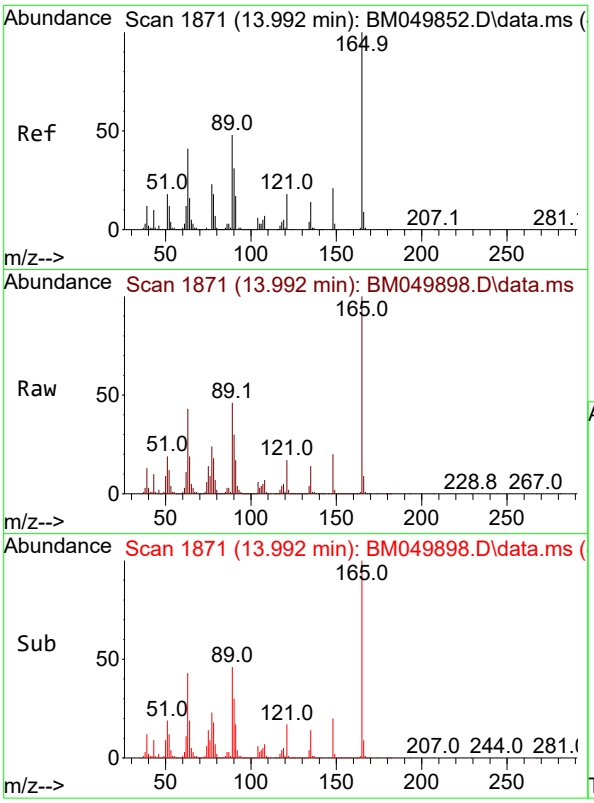


#50
Dimethylphthalate
Concen: 49.735 ng
RT: 13.880 min Scan# 1852
Delta R.T. 0.000 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Tgt Ion:163 Resp: 3112245

Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.5	5.3
164	10.3	7.9	11.9



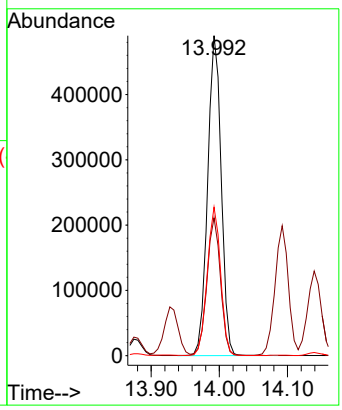


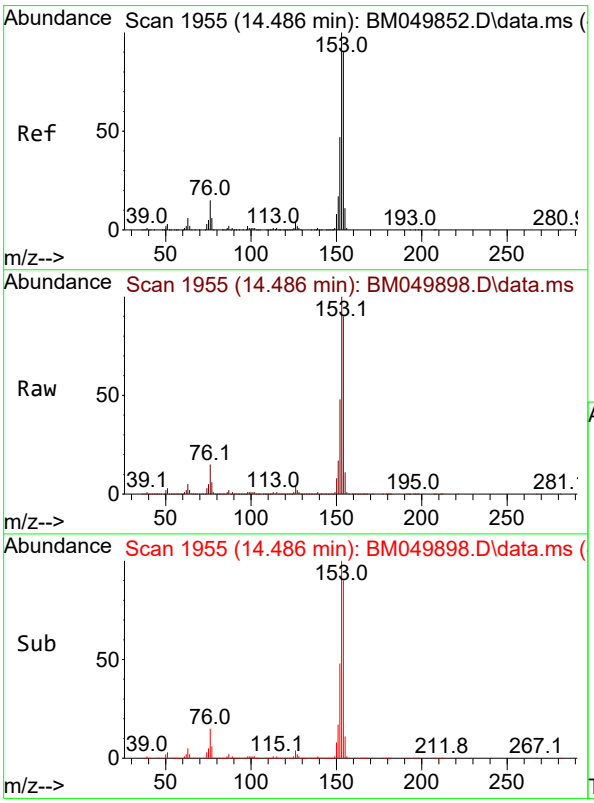
#51
2,6-Dinitrotoluene
Concen: 51.615 ng
RT: 13.992 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Instrument :
BNA_M
ClientSampleId :
GST3MSD

Tgt Ion:165 Resp: 676696

Ion	Ratio	Lower	Upper
165	100		
63	43.1	36.1	54.1
89	46.4	38.3	57.5

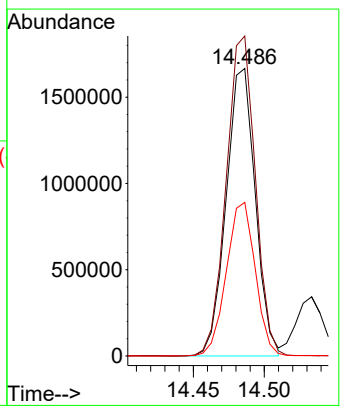


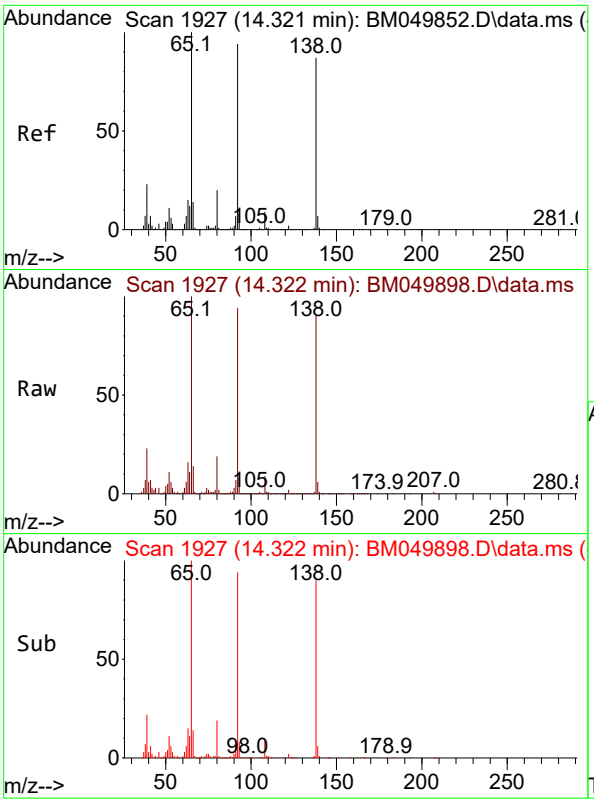


#52
Acenaphthene
Concen: 49.499 ng
RT: 14.486 min Scan# 1955
Delta R.T. 0.000 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Tgt Ion:154 Resp: 2376842

Ion	Ratio	Lower	Upper
154	100		
153	111.3	89.3	133.9
152	53.4	42.2	63.2



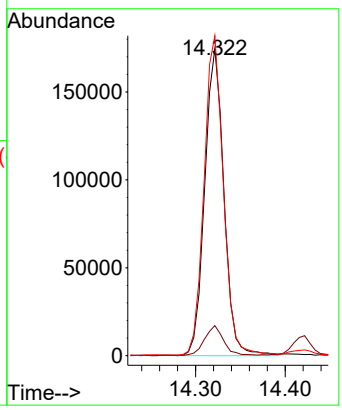


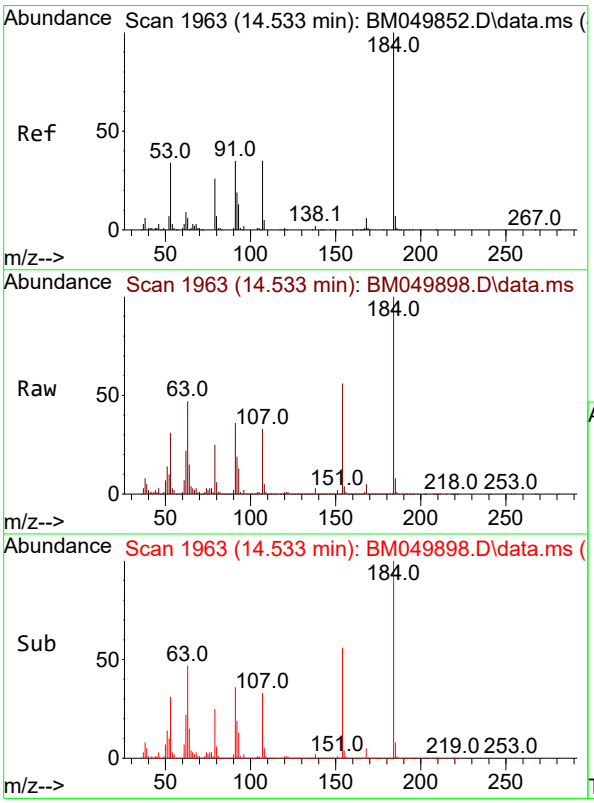
#53
3-Nitroaniline
Concen: 20.517 ng
RT: 14.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Instrument :
BNA_M
ClientSampleId :
GST3MSD

Tgt Ion:138 Resp: 259980

Ion	Ratio	Lower	Upper
138	100		
108	9.8	8.1	12.1
92	104.3	86.5	129.7

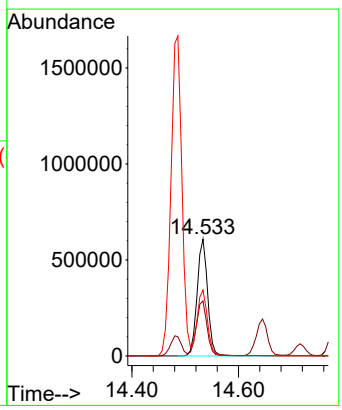


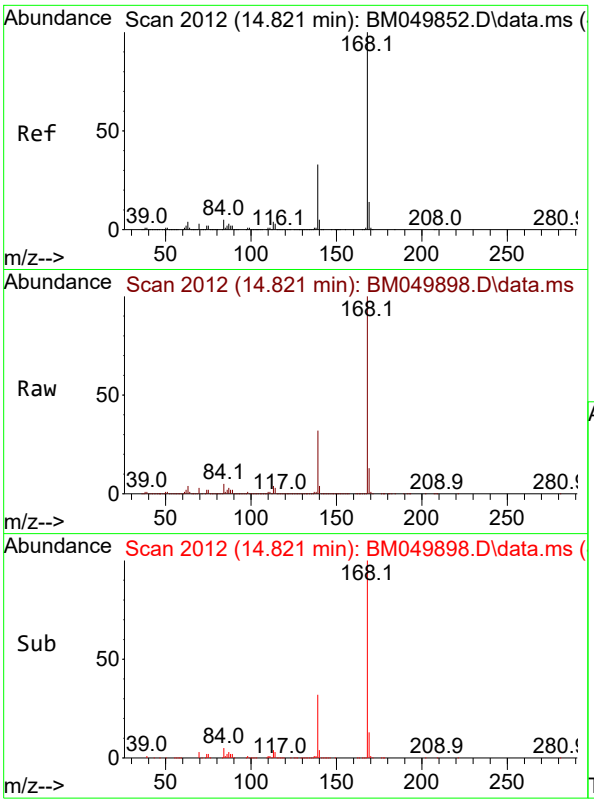


#54
2,4-Dinitrophenol
Concen: 87.613 ng
RT: 14.533 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Tgt Ion:184 Resp: 839012

Ion	Ratio	Lower	Upper
184	100		
63	47.1	38.4	57.6
154	56.4	48.1	72.1



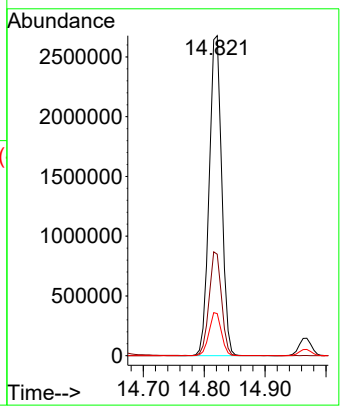


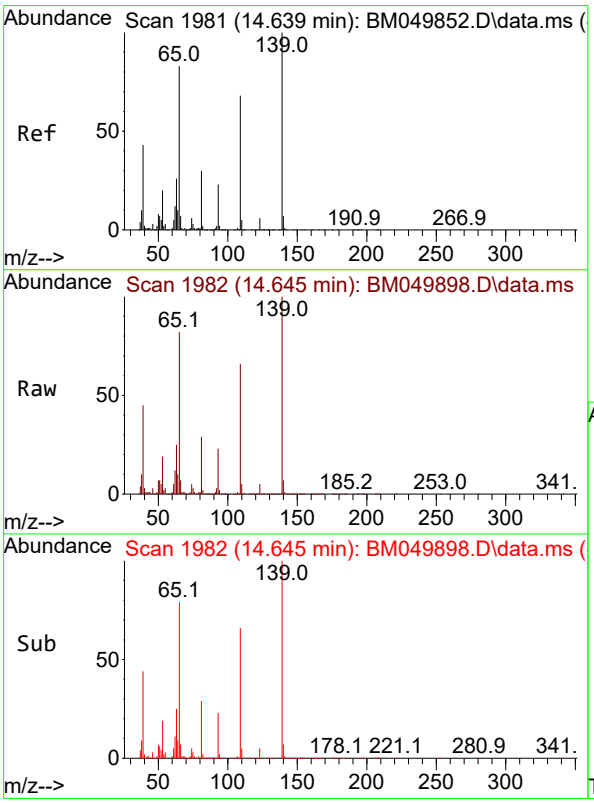
#55
Dibenzofuran
Concen: 47.518 ng
RT: 14.821 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Instrument :
BNA_M
ClientSampleId :
GST3MSD

Tgt Ion:168 Resp: 3814383

Ion	Ratio	Lower	Upper
168	100		
139	31.7	26.6	39.8
169	13.2	11.0	16.4

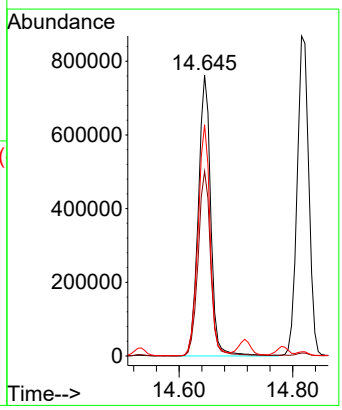


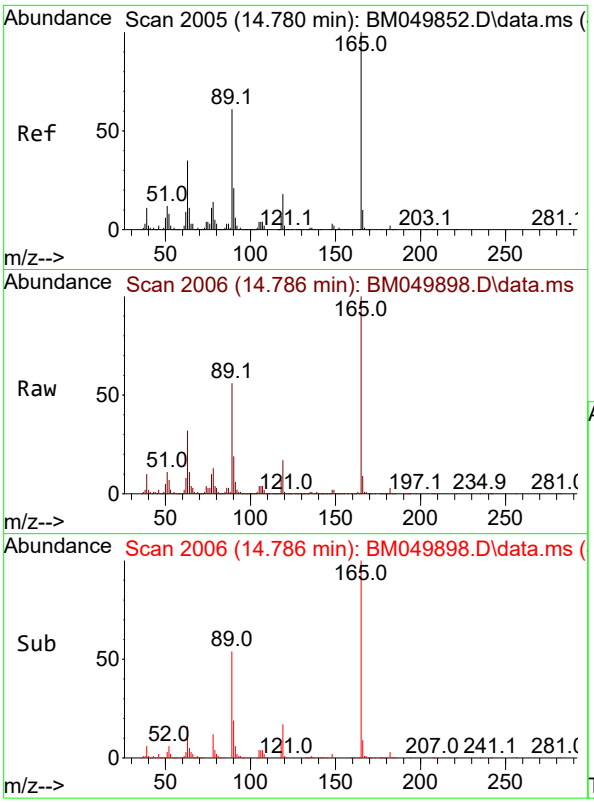


#56
4-Nitrophenol
Concen: 102.722 ng
RT: 14.645 min Scan# 1982
Delta R.T. 0.006 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Tgt Ion:139 Resp: 1159928

Ion	Ratio	Lower	Upper
139	100		
109	65.7	47.9	87.9
65	82.3	62.7	102.7



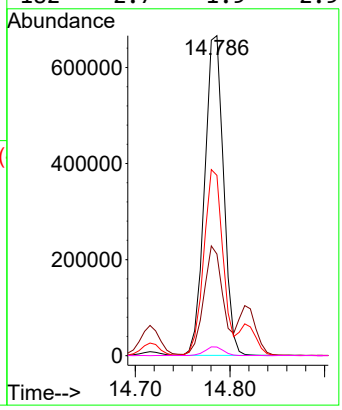


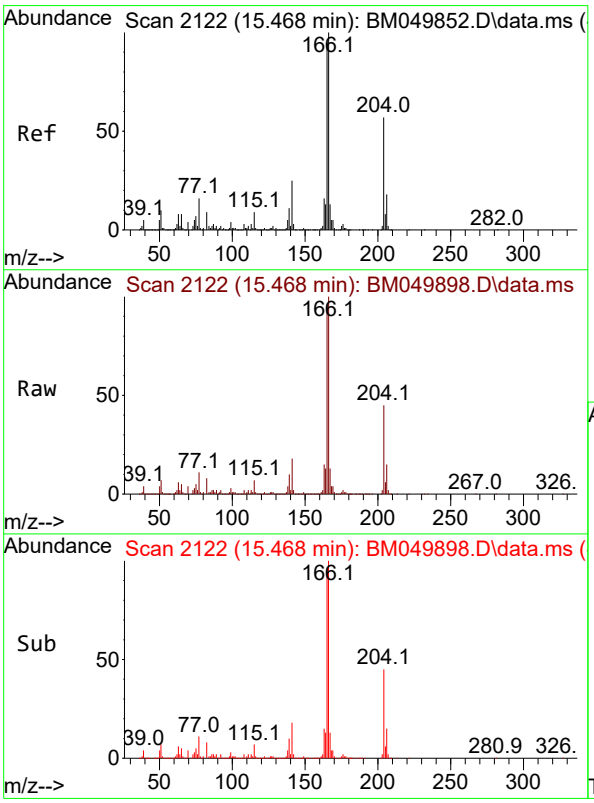
#57
2,4-Dinitrotoluene
Concen: 52.703 ng
RT: 14.786 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Instrument :
BNA_M
ClientSampleId :
GST3MSD

Tgt Ion:165 Resp: 921810

Ion	Ratio	Lower	Upper
165	100		
63	31.7	28.6	42.8
89	56.4	49.0	73.6
182	2.7	1.9	2.9

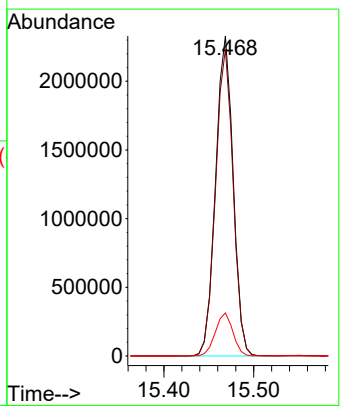


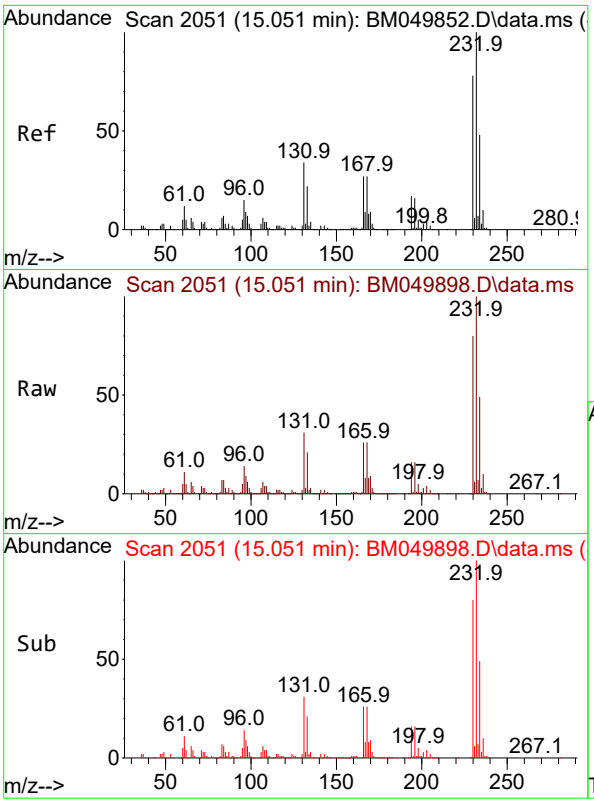


#58
Fluorene
Concen: 49.581 ng
RT: 15.468 min Scan# 2122
Delta R.T. 0.000 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Tgt Ion:166 Resp: 3163617

Ion	Ratio	Lower	Upper
166	100		
165	95.9	76.3	114.5
167	13.5	10.7	16.1



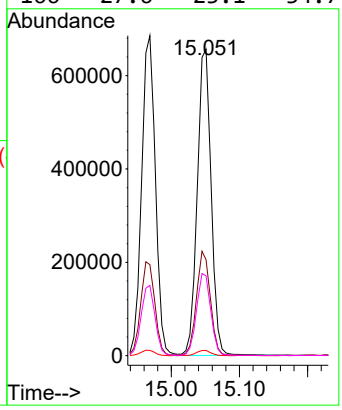


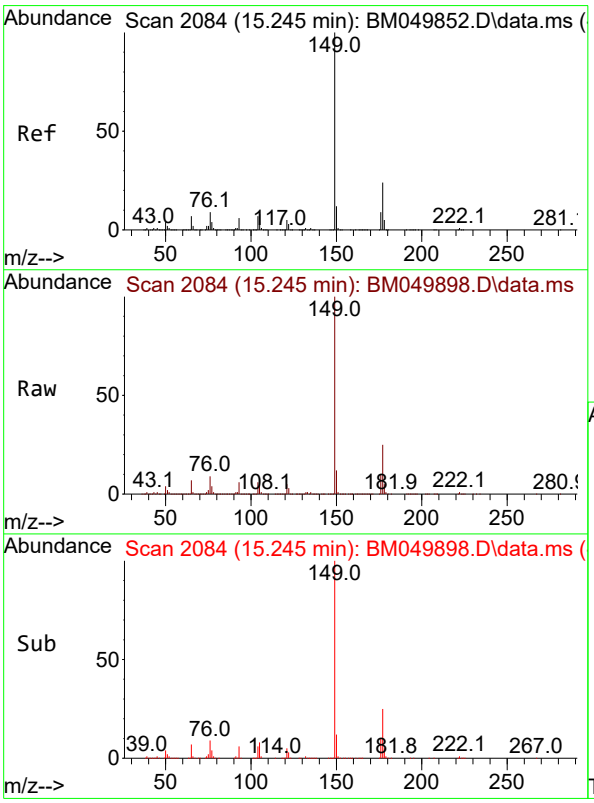
#59
2,3,4,6-Tetrachlorophenol
Concen: 49.189 ng
RT: 15.051 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Instrument :
BNA_M
ClientSampleId :
GST3MSD

Tgt Ion:232 Resp: 925129

Ion	Ratio	Lower	Upper
232	100		
131	34.0	28.4	42.6
130	1.8	1.6	2.4
166	27.6	23.1	34.7

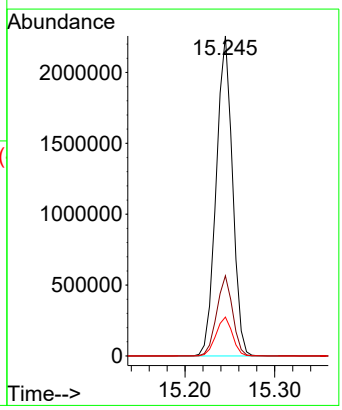


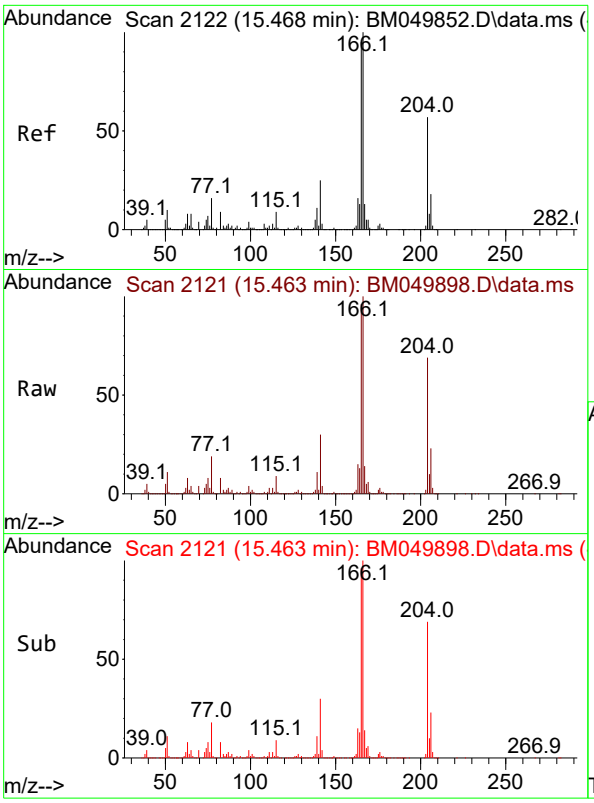


#60
Diethylphthalate
Concen: 47.375 ng
RT: 15.245 min Scan# 2084
Delta R.T. 0.000 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Tgt Ion:149 Resp: 2842984

Ion	Ratio	Lower	Upper
149	100		
177	25.0	19.0	28.4
150	12.1	9.7	14.5



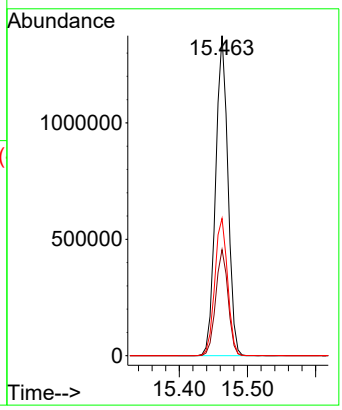


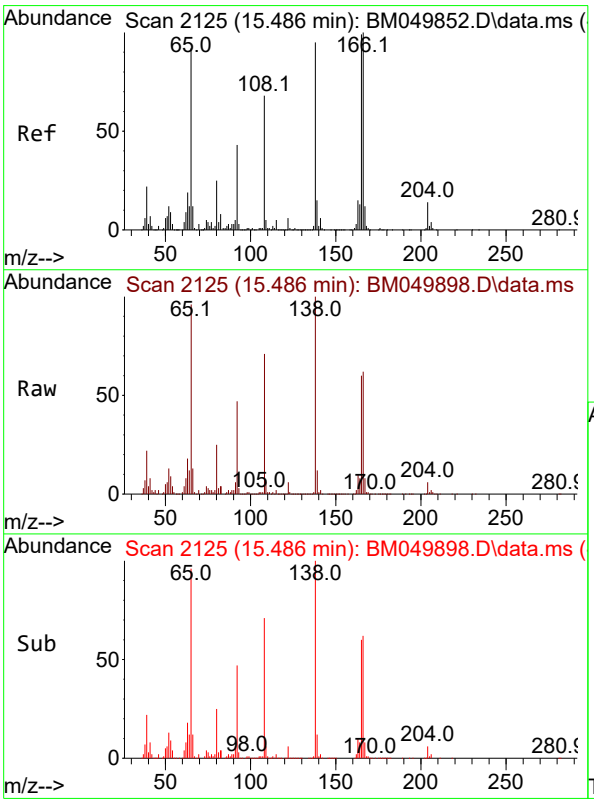
#61
4-Chlorophenyl-phenylether
Concen: 50.513 ng
RT: 15.463 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Instrument :
BNA_M
ClientSampleId :
GST3MSD

Tgt Ion:204 Resp: 1728010

Ion	Ratio	Lower	Upper
204	100		
206	33.2	26.2	39.2
141	42.9	35.0	52.6

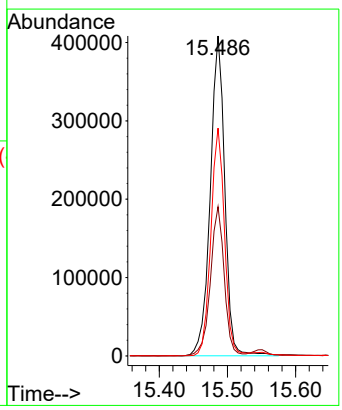


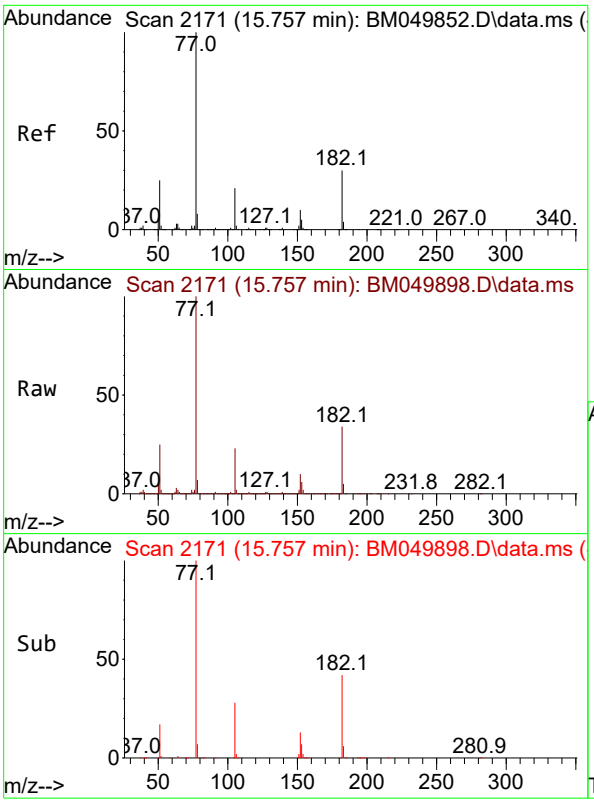


#62
4-Nitroaniline
Concen: 46.190 ng
RT: 15.486 min Scan# 2125
Delta R.T. 0.000 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Tgt Ion:138 Resp: 605277

Ion	Ratio	Lower	Upper
138	100		
92	46.7	24.9	64.9
108	71.2	51.7	91.7



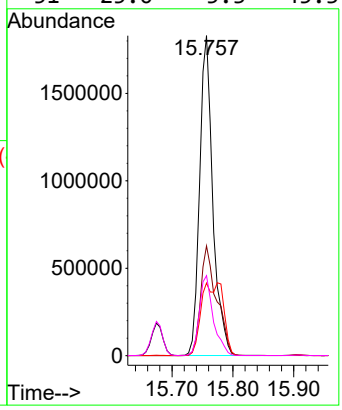


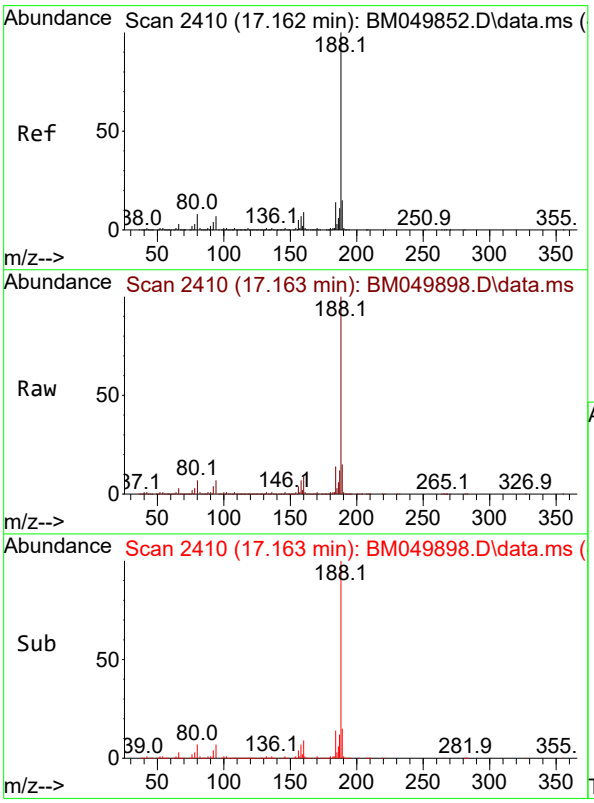
#63
Azobenzene
Concen: 53.664 ng
RT: 15.757 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Instrument :
BNA_M
ClientSampleId :
GST3MSD

Tgt Ion: 77 Resp: 2757090

Ion	Ratio	Lower	Upper
77	100		
182	34.3	10.4	50.4
105	22.7	1.5	41.5
51	25.0	5.3	45.3

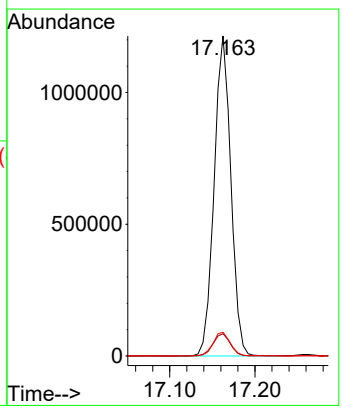


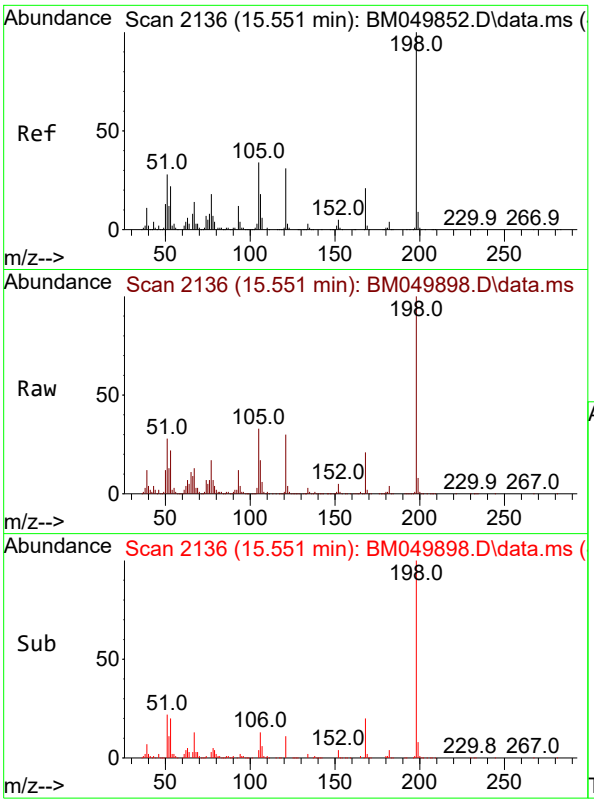


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.163 min Scan# 2410
Delta R.T. 0.000 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Tgt Ion:188 Resp: 1654145

Ion	Ratio	Lower	Upper
188	100		
94	7.0	5.8	8.6
80	7.4	6.4	9.6



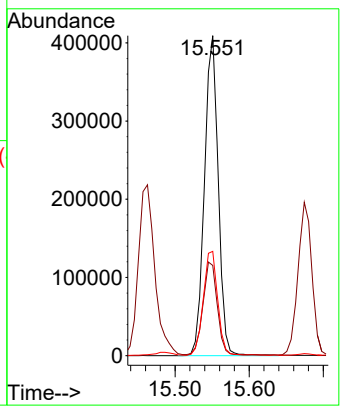


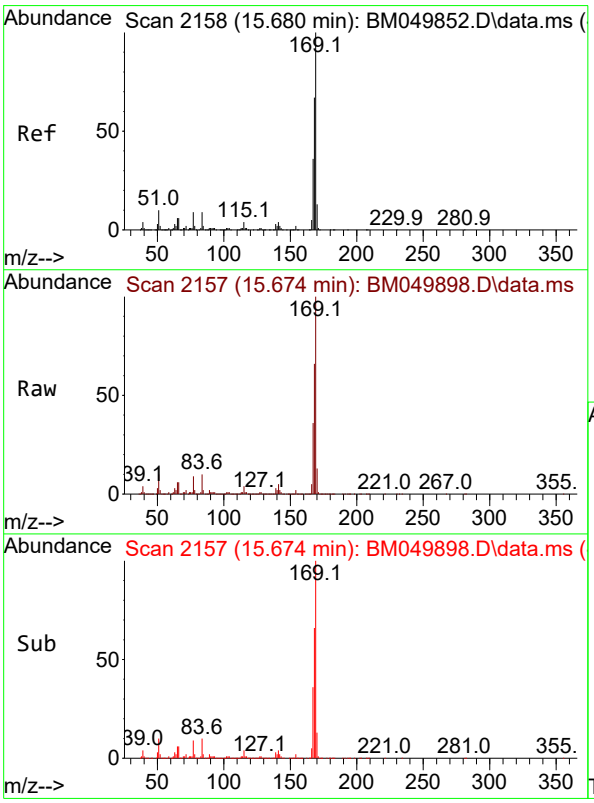
#65
4,6-Dinitro-2-methylphenol
Concen: 50.804 ng
RT: 15.551 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Instrument :
BNA_M
ClientSampleId :
GST3MSD

Tgt Ion:198 Resp: 529563

Ion	Ratio	Lower	Upper
198	100		
51	28.2	9.6	49.6
105	32.6	14.7	54.7

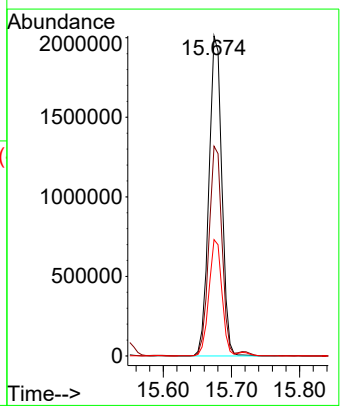


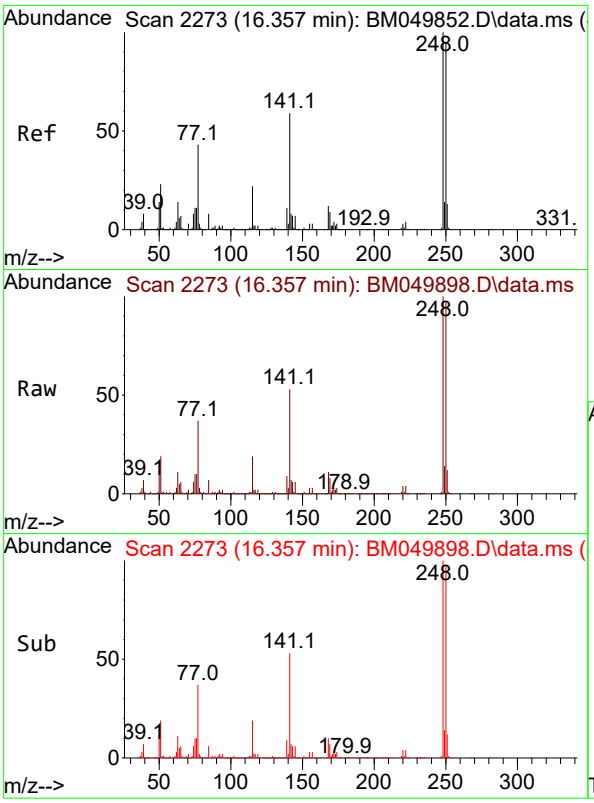


#66
n-Nitrosodiphenylamine
Concen: 53.514 ng
RT: 15.674 min Scan# 2157
Delta R.T. -0.006 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Tgt Ion:169 Resp: 2649054

Ion	Ratio	Lower	Upper
169	100		
168	65.6	53.4	80.2
167	36.4	29.0	43.6



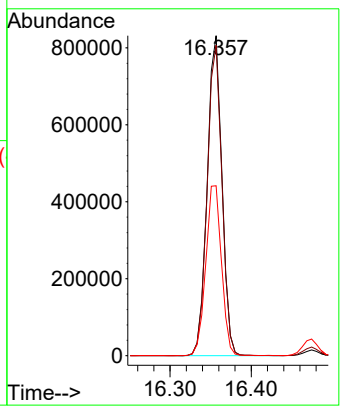


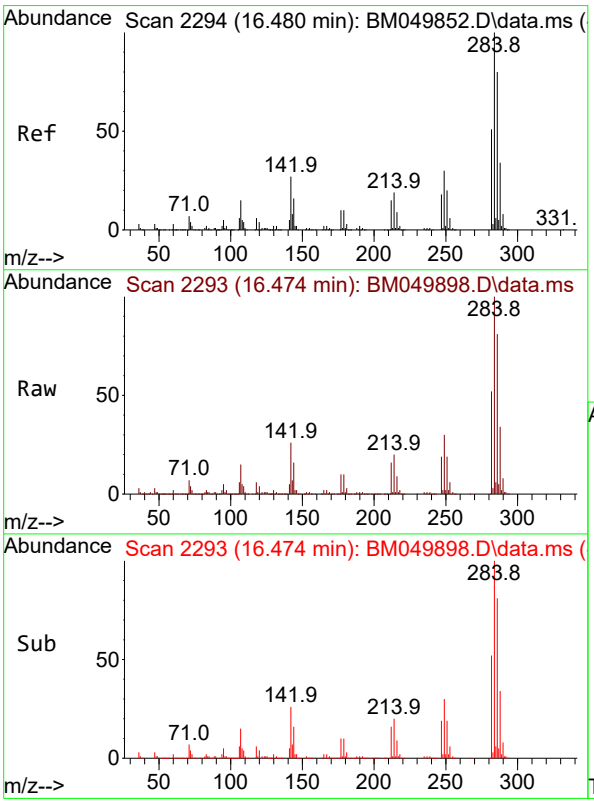
#67
4-Bromophenyl-phenylether
Concen: 54.541 ng
RT: 16.357 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Instrument :
BNA_M
ClientSampleId :
GST3MSD

Tgt Ion:248 Resp: 1047333

Ion	Ratio	Lower	Upper
248	100		
250	97.1	76.2	114.2
141	53.1	47.3	70.9

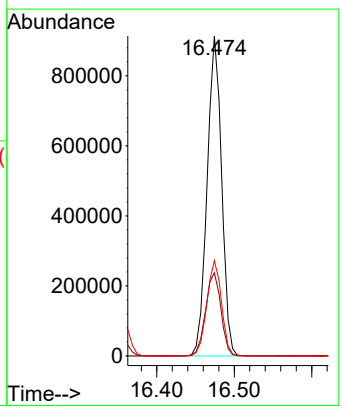


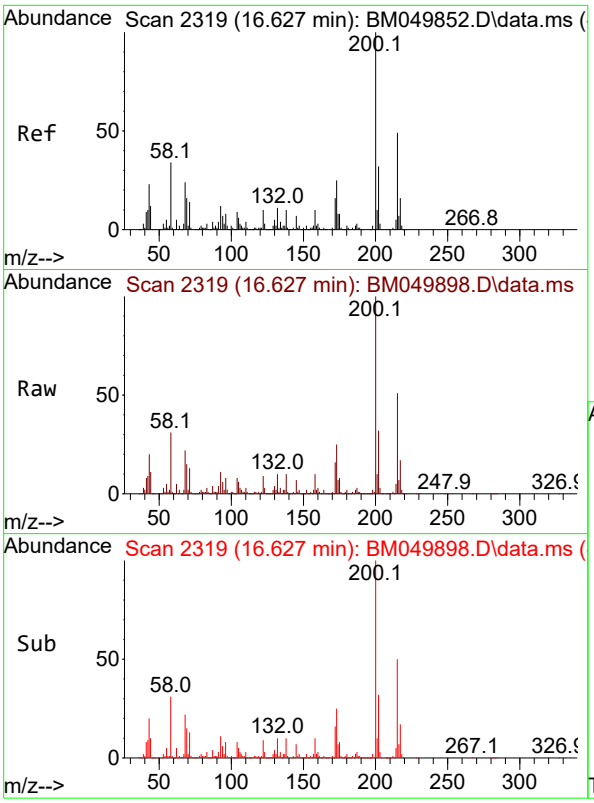


#68
Hexachlorobenzene
Concen: 53.800 ng
RT: 16.474 min Scan# 2293
Delta R.T. -0.006 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Tgt Ion:284 Resp: 1185005

Ion	Ratio	Lower	Upper
284	100		
142	26.0	21.2	31.8
249	29.8	24.1	36.1



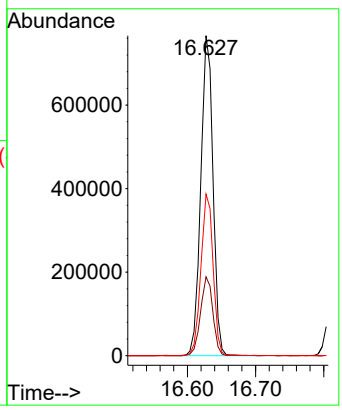


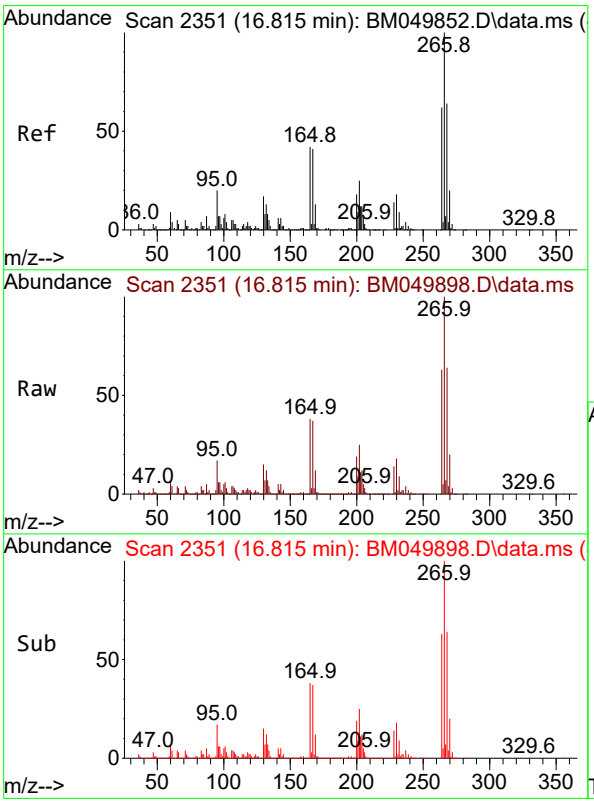
#69
Atrazine
Concen: 74.434 ng
RT: 16.627 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Instrument :
BNA_M
ClientSampleId :
GST3MSD

Tgt Ion:200 Resp: 955359

Ion	Ratio	Lower	Upper
200	100		
173	24.7	5.4	45.4
215	50.5	29.0	69.0

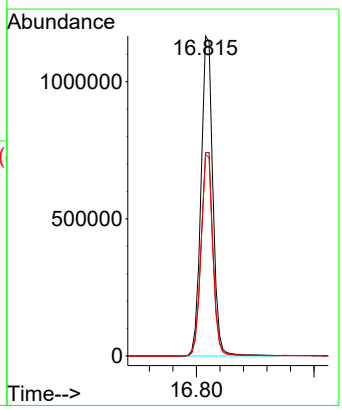


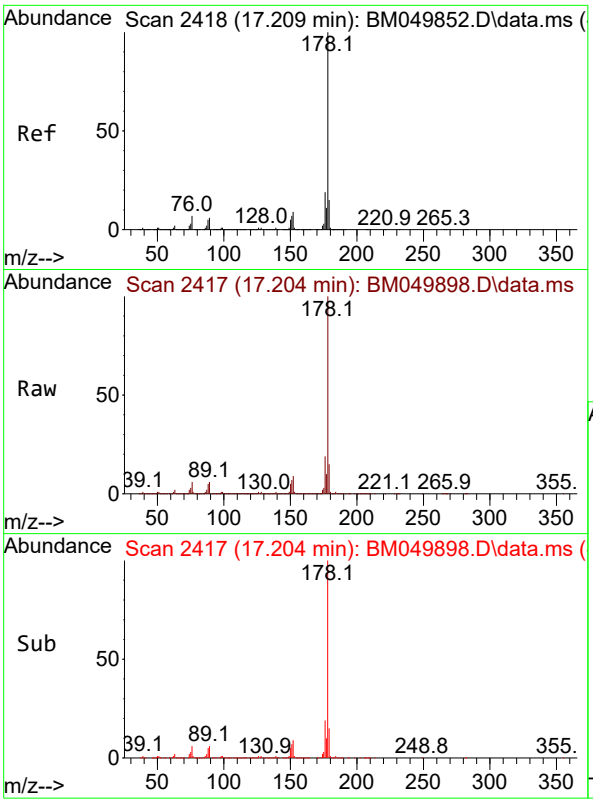


#70
Pentachlorophenol
Concen: 100.741 ng
RT: 16.815 min Scan# 2351
Delta R.T. 0.000 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Tgt Ion:266 Resp: 1633614

Ion	Ratio	Lower	Upper
266	100		
268	63.5	51.4	77.2
264	62.9	49.8	74.8



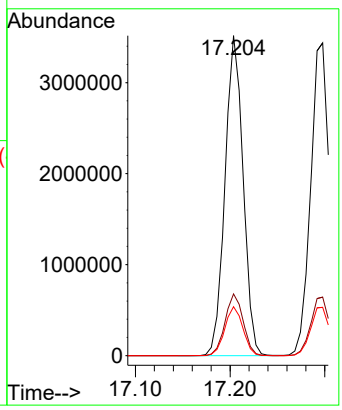


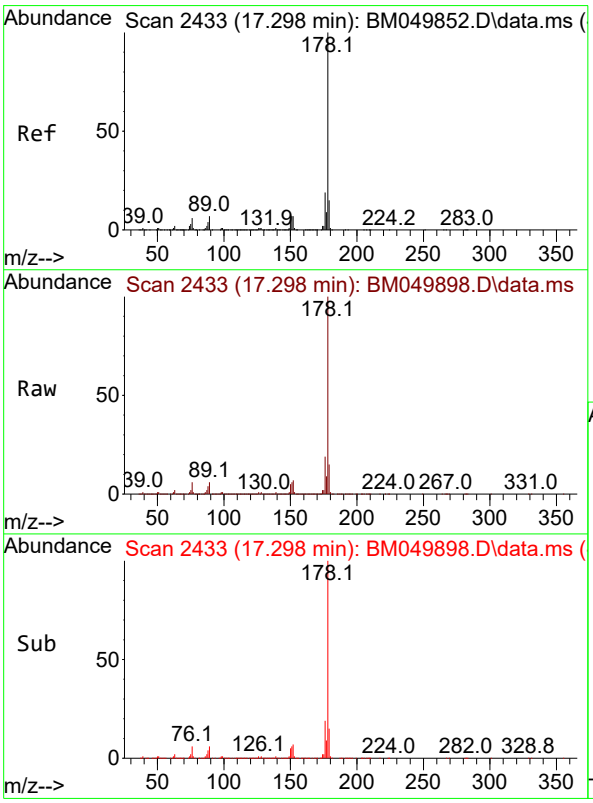
#71
Phenanthrene
Concen: 51.507 ng
RT: 17.204 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Instrument :
BNA_M
ClientSampleId :
GST3MSD

Tgt Ion:178 Resp: 4670985

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

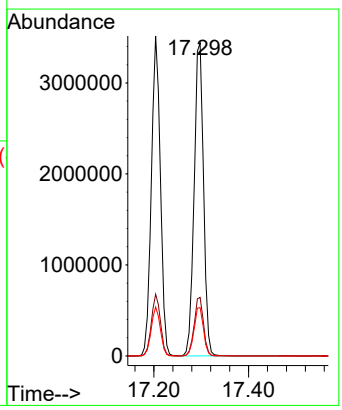


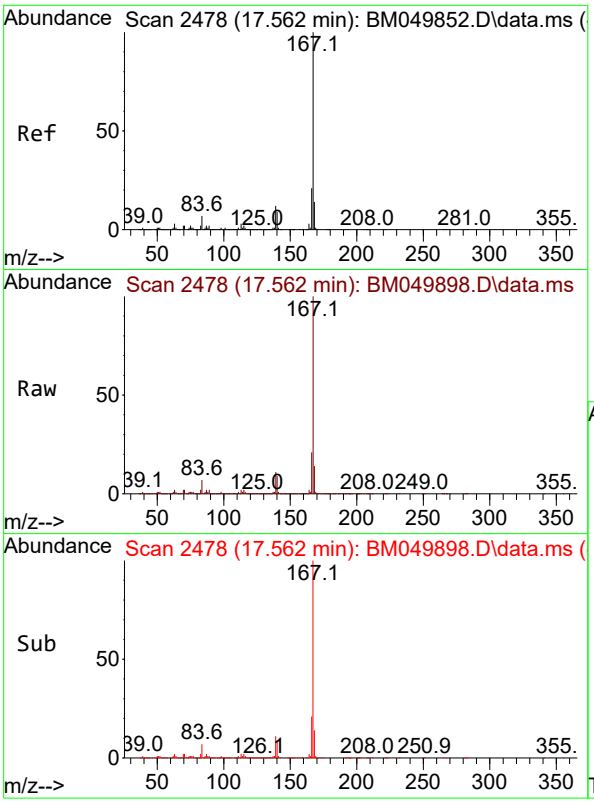


#72
Anthracene
Concen: 53.107 ng
RT: 17.298 min Scan# 2433
Delta R.T. 0.000 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Tgt Ion:178 Resp: 4746180

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.1	22.7
179	15.5	12.4	18.6



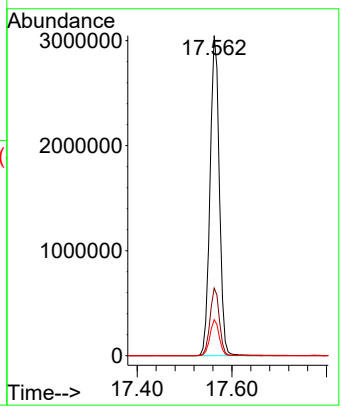


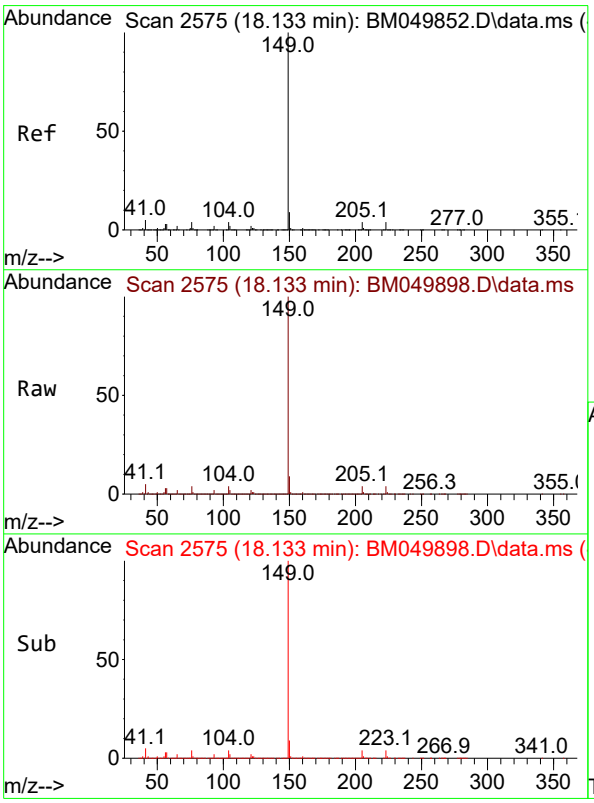
#73
Carbazole
Concen: 49.343 ng
RT: 17.562 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Instrument :
BNA_M
ClientSampleId :
GST3MSD

Tgt Ion:167 Resp: 4153461

Ion	Ratio	Lower	Upper
167	100		
166	21.1	16.9	25.3
139	11.3	9.3	13.9

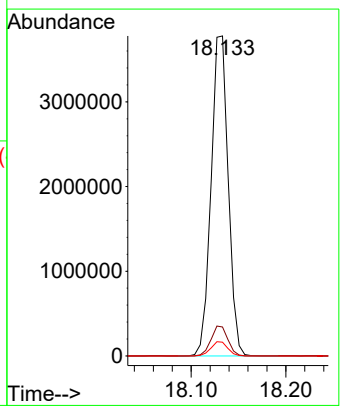


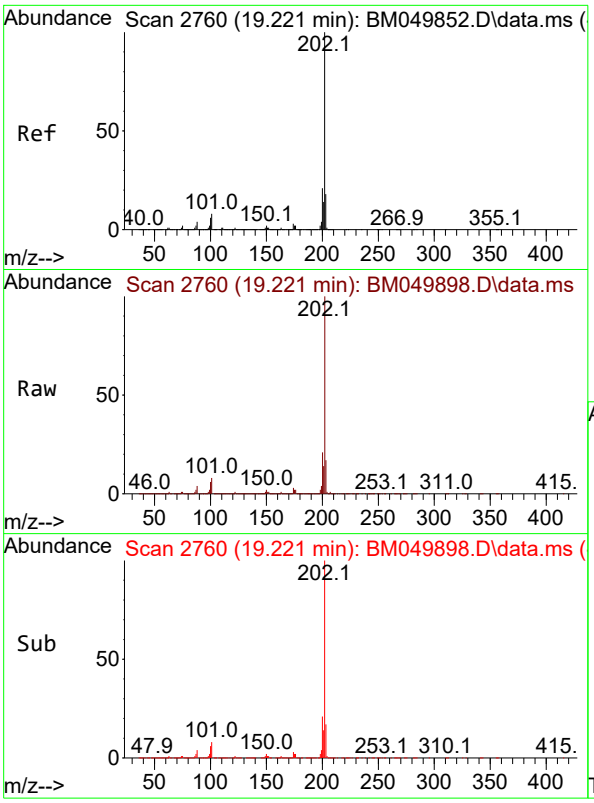


#74
Di-n-butylphthalate
Concen: 48.996 ng
RT: 18.133 min Scan# 2575
Delta R.T. 0.000 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Tgt Ion:149 Resp: 4750311

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.5	11.3
104	4.3	3.5	5.3



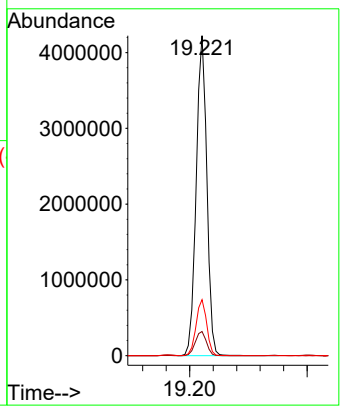


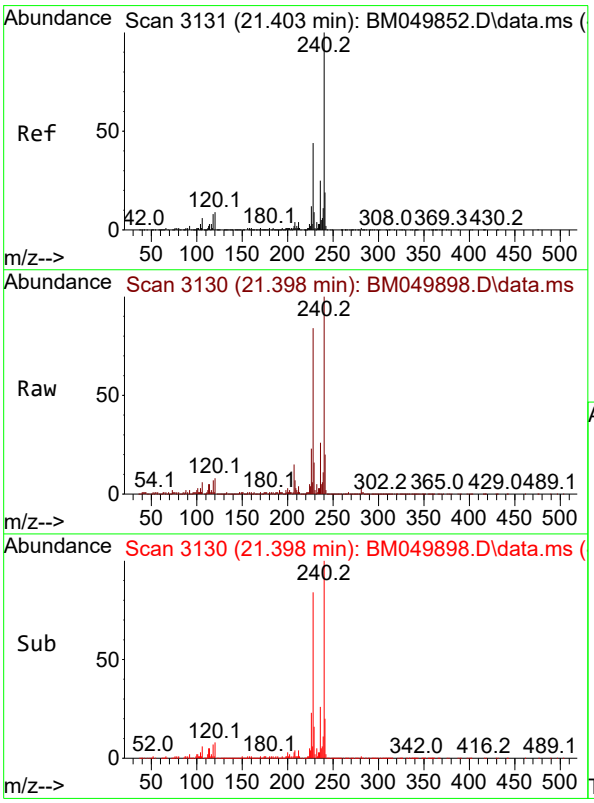
#75
Fluoranthene
Concen: 47.427 ng
RT: 19.221 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Instrument :
BNA_M
ClientSampleId :
GST3MSD

Tgt Ion:202 Resp: 5288214

Ion	Ratio	Lower	Upper
202	100		
101	7.5	0.0	28.4
203	17.5	0.0	37.8

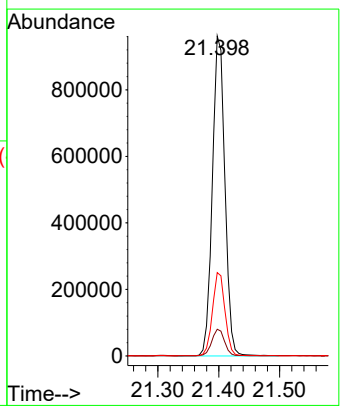


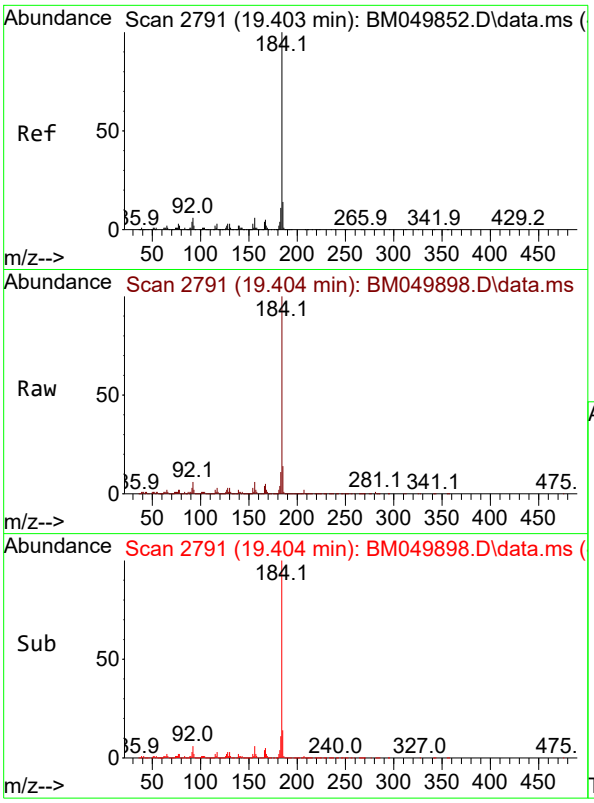


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.398 min Scan# 3130
Delta R.T. -0.006 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Tgt Ion:240 Resp: 1374176

Ion	Ratio	Lower	Upper
240	100		
120	8.3	6.9	10.3
236	26.1	20.4	30.6



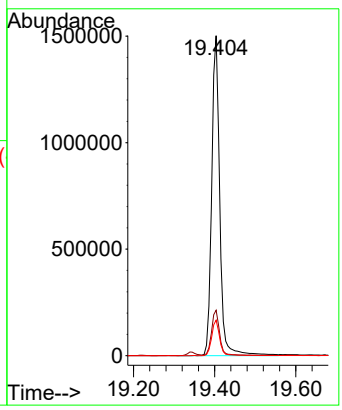


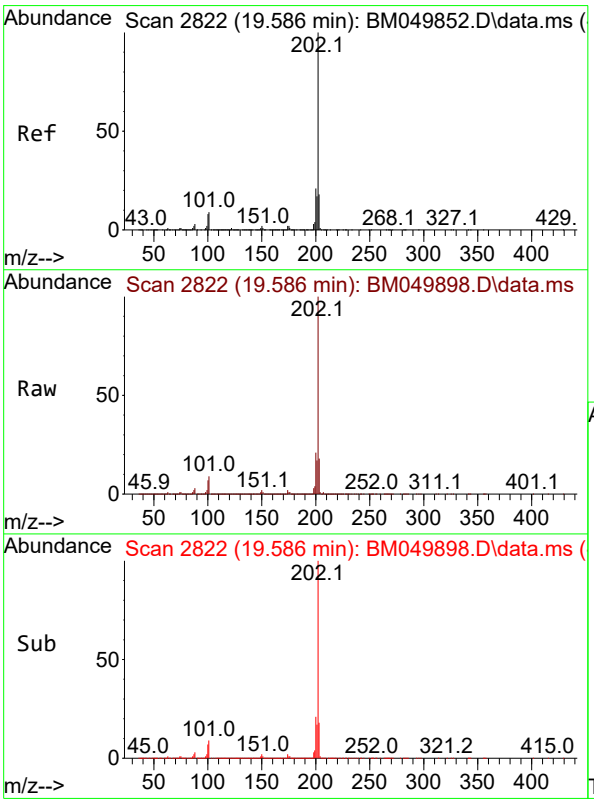
#77
Benzidine
Concen: 113.148 ng
RT: 19.404 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Instrument :
BNA_M
ClientSampleId :
GST3MSD

Tgt Ion:184 Resp: 2062728

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.4	17.2
183	11.1	8.8	13.2

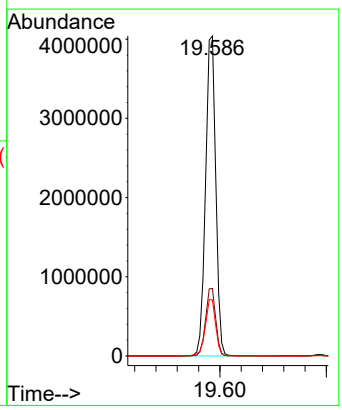


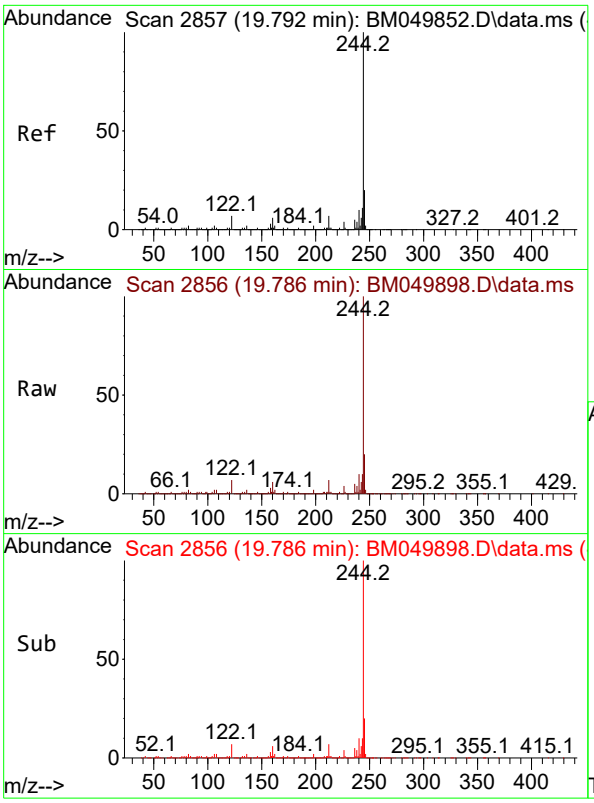


#78
Pyrene
Concen: 56.536 ng
RT: 19.586 min Scan# 2822
Delta R.T. 0.000 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Tgt Ion:202 Resp: 5354267

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.5	24.7
203	17.5	14.0	21.0



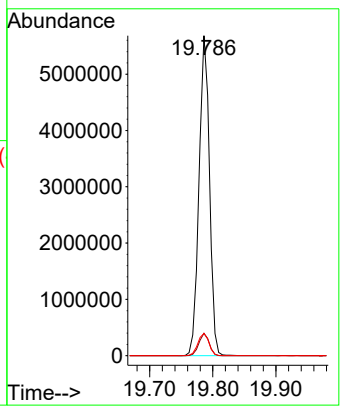


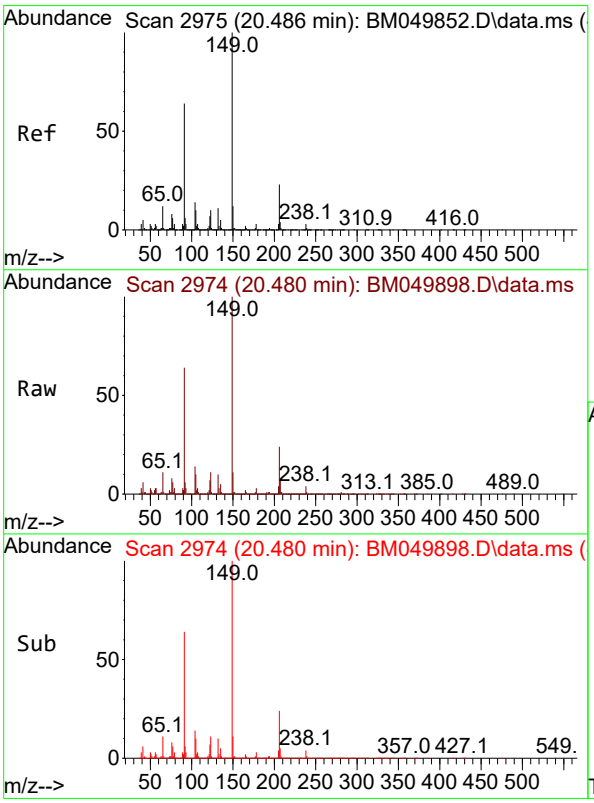
#79
Terphenyl-d14
Concen: 89.005 ng
RT: 19.786 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Instrument :
BNA_M
ClientSampleId :
GST3MSD

Tgt Ion:244 Resp: 6526396

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.5	8.3
122	6.9	5.4	8.0

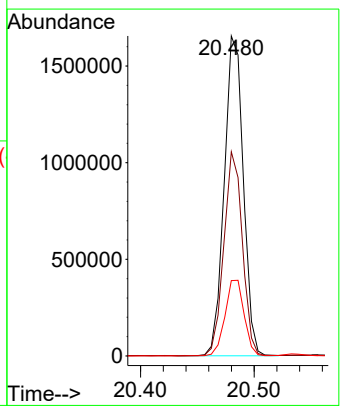


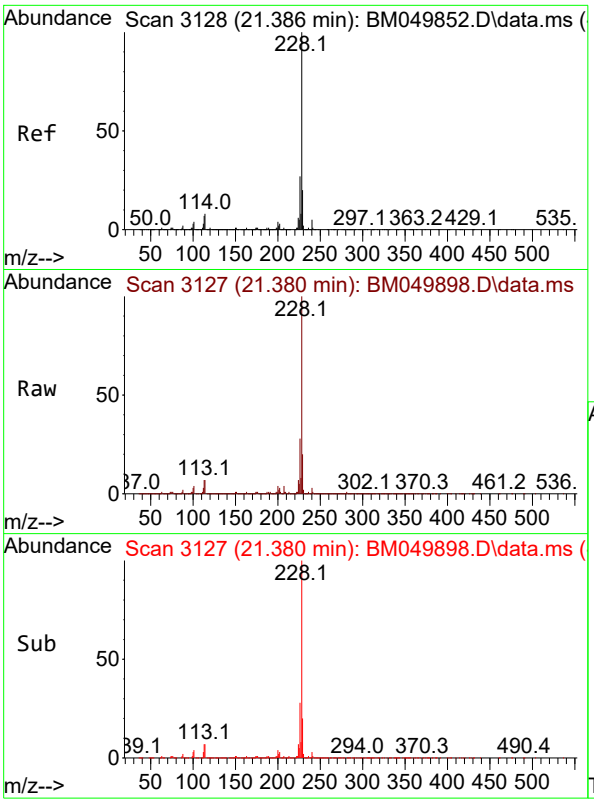


#80
Butylbenzylphthalate
Concen: 54.236 ng
RT: 20.480 min Scan# 2974
Delta R.T. -0.006 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Tgt Ion:149 Resp: 1930042

Ion	Ratio	Lower	Upper
149	100		
91	63.8	50.9	76.3
206	23.5	18.4	27.6



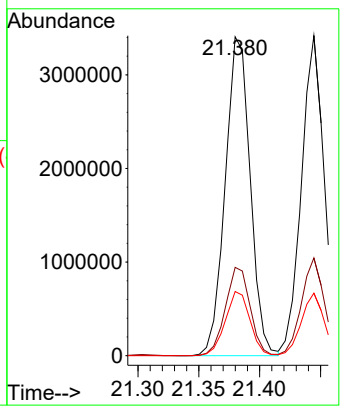


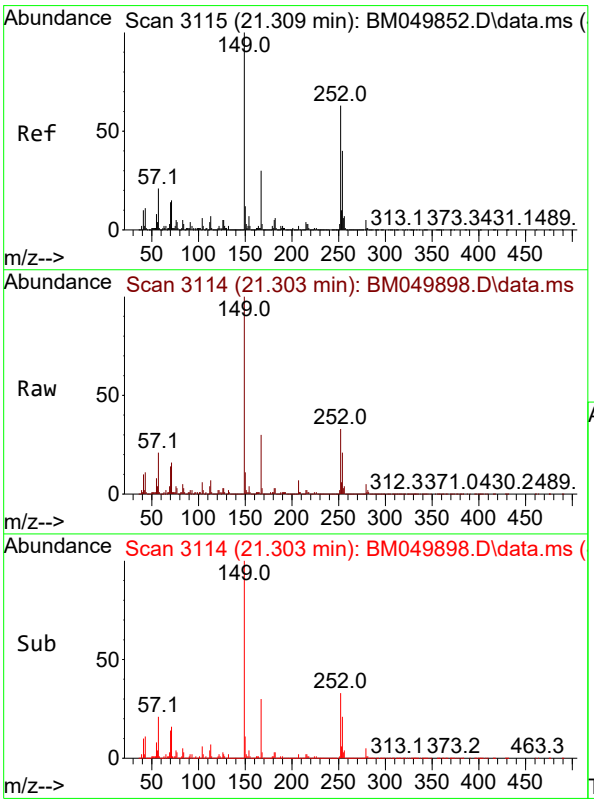
#81
Benzo(a)anthracene
Concen: 53.229 ng
RT: 21.380 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Instrument :
BNA_M
ClientSampleId :
GST3MSD

Tgt Ion:228 Resp: 4861226

Ion	Ratio	Lower	Upper
228	100		
226	27.7	21.8	32.8
229	20.1	15.8	23.8

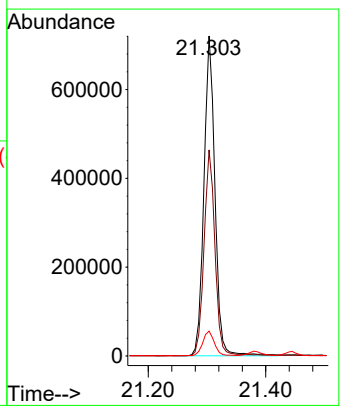


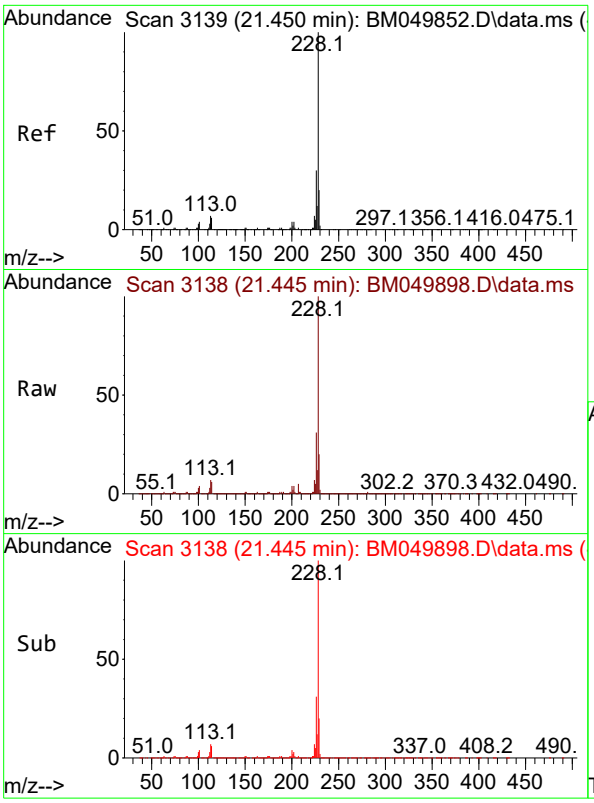


#82
3,3'-Dichlorobenzidine
Concen: 27.154 ng
RT: 21.303 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Tgt Ion:252 Resp: 936523

Ion	Ratio	Lower	Upper
252	100		
254	64.4	51.5	77.3
126	7.7	6.3	9.5



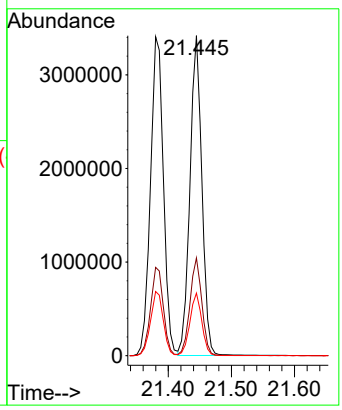


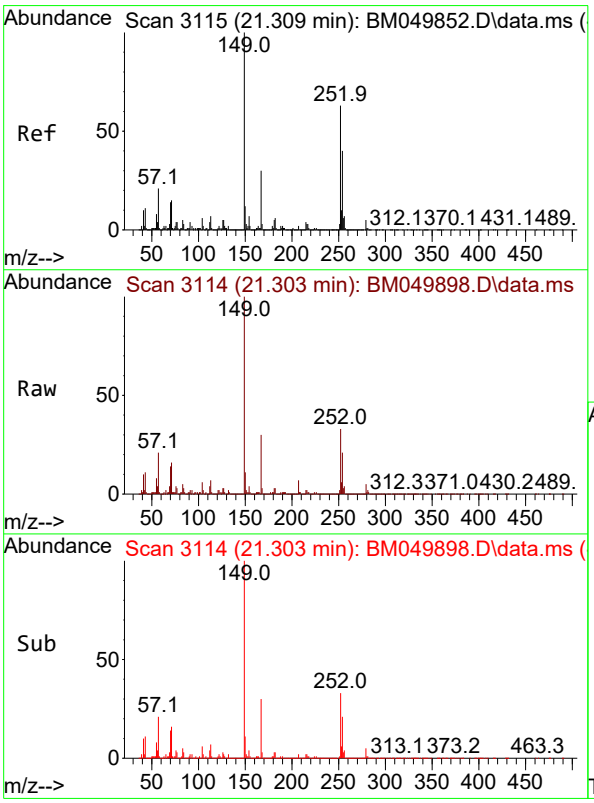
#83
Chrysene
Concen: 51.730 ng
RT: 21.445 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Instrument :
BNA_M
ClientSampleId :
GST3MSD

Tgt Ion:228 Resp: 4491447

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.1	36.1
229	19.6	15.8	23.6

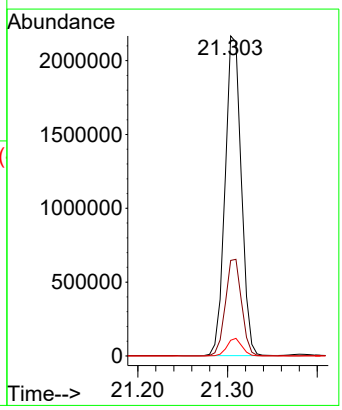


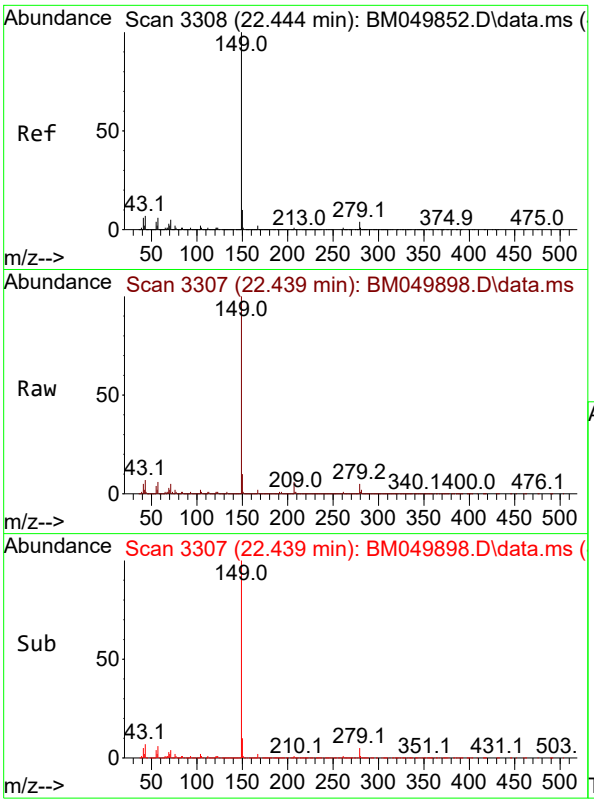


#84
Bis(2-ethylhexyl)phthalate
Concen: 52.367 ng
RT: 21.303 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Tgt Ion:149 Resp: 2715105

Ion	Ratio	Lower	Upper
149	100		
167	29.9	23.8	35.6
279	4.9	3.8	5.8



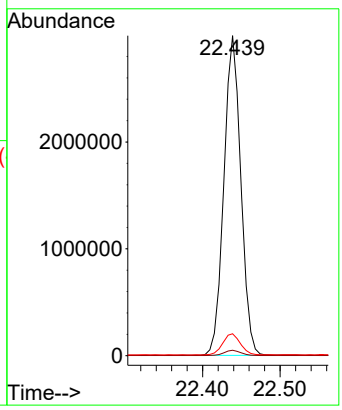


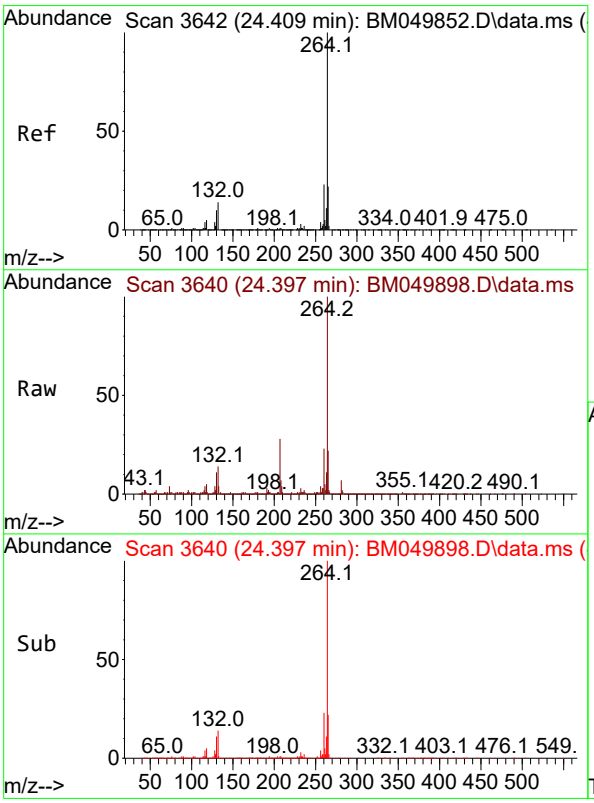
#85
Di-n-octyl phthalate
Concen: 50.313 ng
RT: 22.439 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Instrument :
BNA_M
ClientSampleId :
GST3MSD

Tgt Ion:149 Resp: 4563566

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	6.8	5.8	8.6

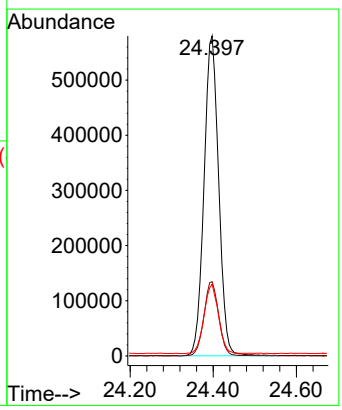


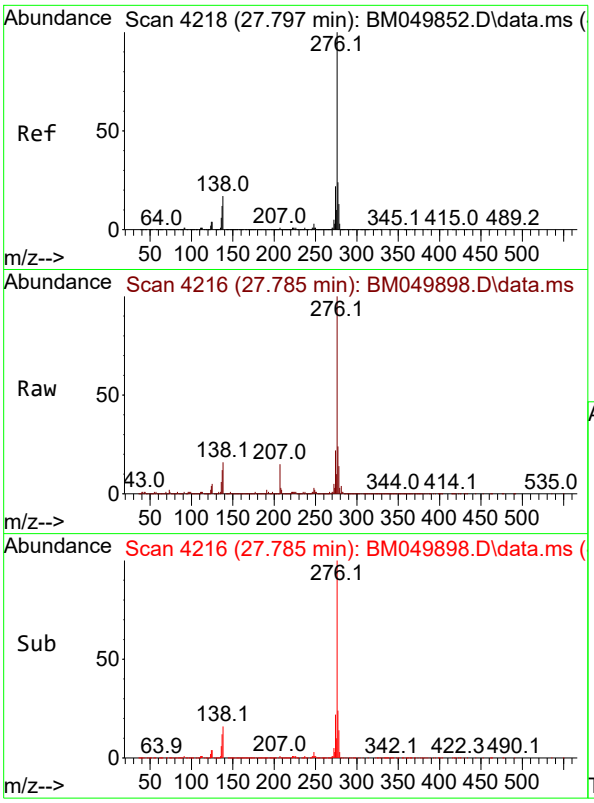


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.397 min Scan# 3640
Delta R.T. -0.012 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Tgt Ion:264 Resp: 1418231

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	28.0
265	22.4	17.8	26.8



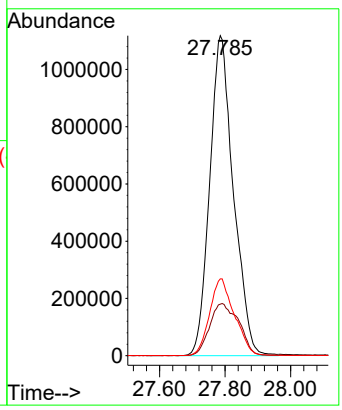


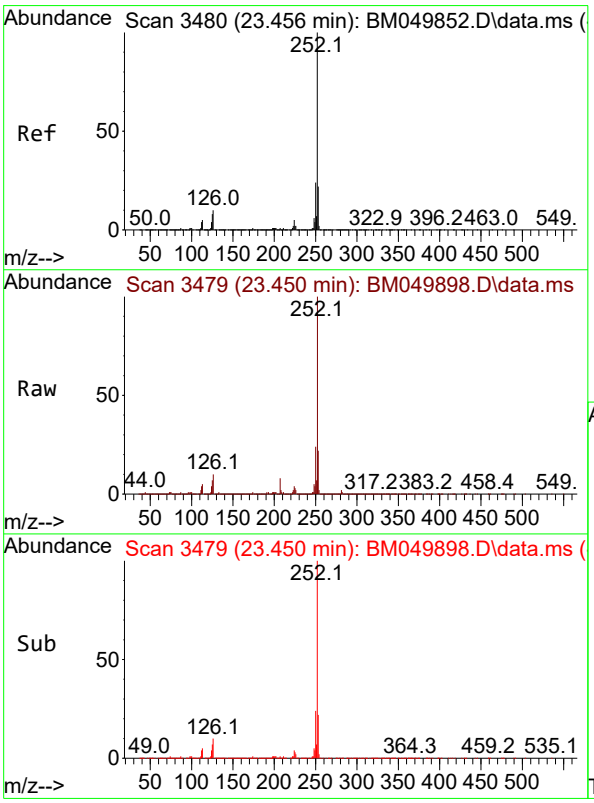
#87
Indeno(1,2,3-cd)pyrene
Concen: 53.153 ng
RT: 27.785 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Instrument :
BNA_M
ClientSampleId :
GST3MSD

Tgt Ion:276 Resp: 5619213

Ion	Ratio	Lower	Upper
276	100		
138	20.1	16.8	25.2
277	25.0	20.1	30.1

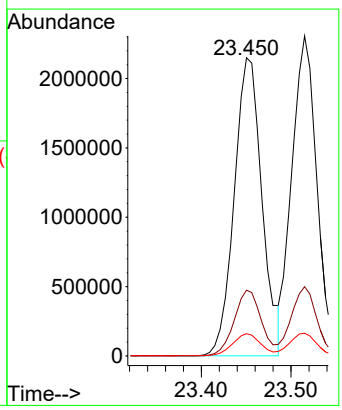


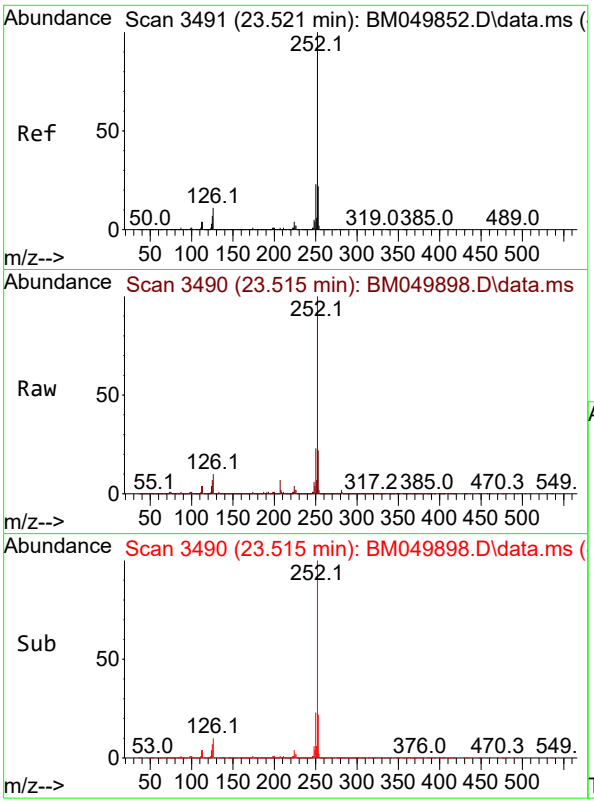


#88
Benzo(b)fluoranthene
Concen: 51.013 ng
RT: 23.450 min Scan# 3479
Delta R.T. -0.006 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Tgt Ion:252 Resp: 4620636

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	7.5	6.2	9.4



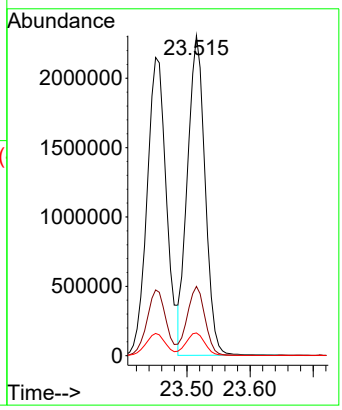


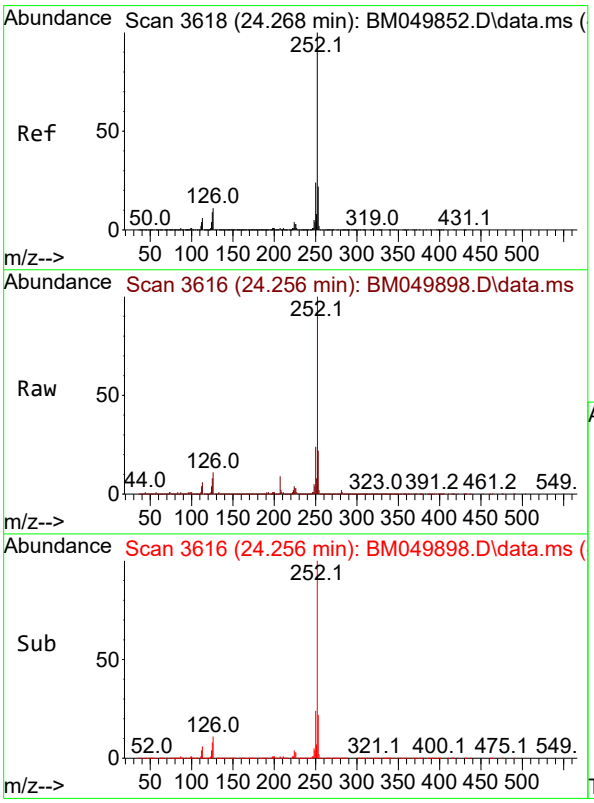
#89
Benzo(k)fluoranthene
Concen: 50.818 ng
RT: 23.515 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Instrument :
BNA_M
ClientSampleId :
GST3MSD

Tgt Ion:252 Resp: 4460551

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2
125	7.1	5.8	8.8

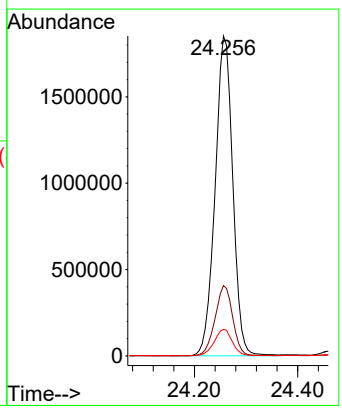


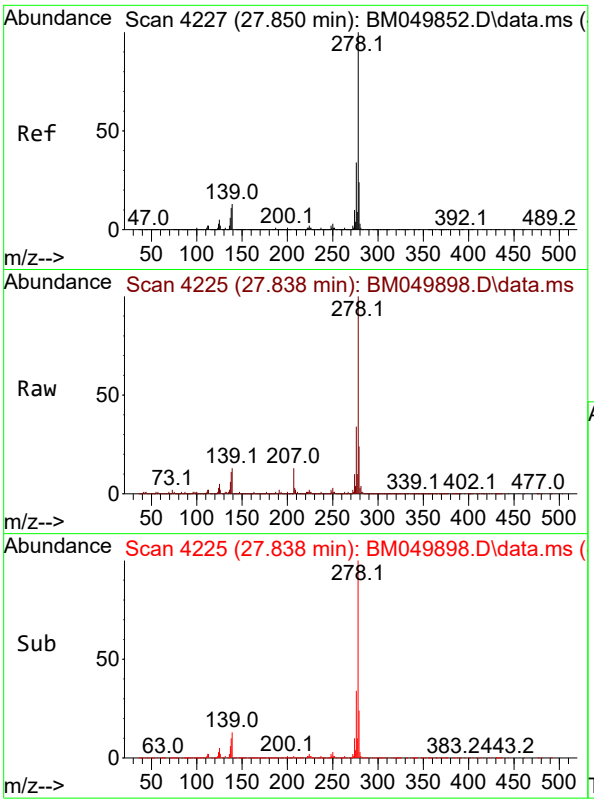


#90
Benzo(a)pyrene
Concen: 55.163 ng
RT: 24.256 min Scan# 3616
Delta R.T. -0.012 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Tgt Ion:252 Resp: 4390591

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.8
125	8.3	7.0	10.4



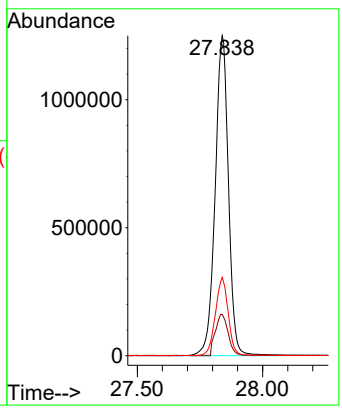


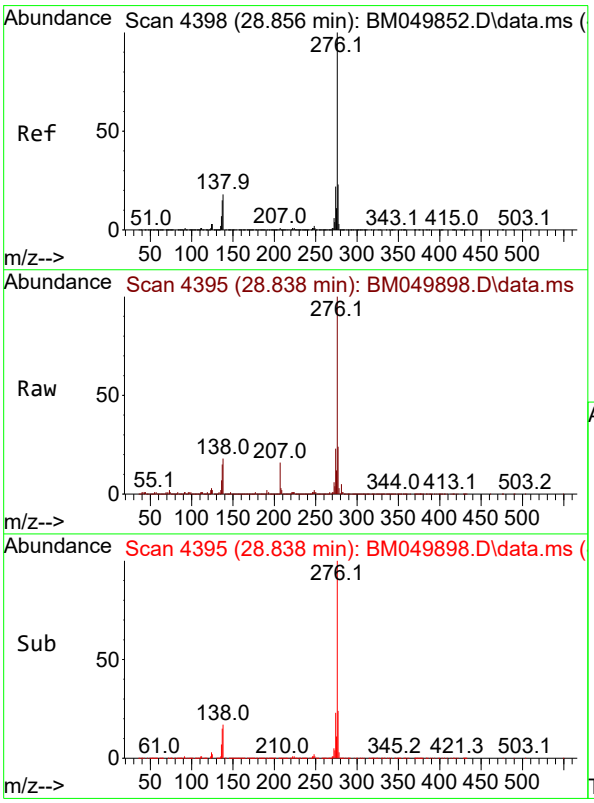
#91
Dibenzo(a,h)anthracene
Concen: 52.938 ng
RT: 27.838 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Instrument :
BNA_M
ClientSampleId :
GST3MSD

Tgt Ion:278 Resp: 4609687

Ion	Ratio	Lower	Upper
278	100		
139	12.9	10.6	15.8
279	24.4	19.1	28.7

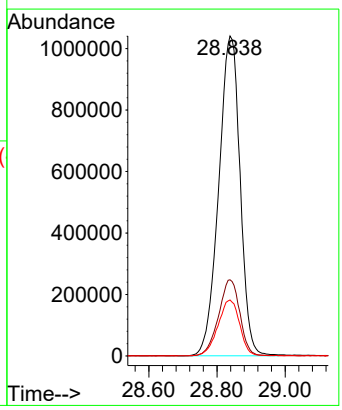




#92
Benzo(g,h,i)perylene
Concen: 50.802 ng
RT: 28.838 min Scan# 4395
Delta R.T. -0.018 min
Lab File: BM049898.D
Acq: 11 Apr 2025 12:59

Tgt Ion:276 Resp: 4520433

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.7	28.1
138	17.5	14.6	21.8



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Manual Integration Report

Sequence:	BM040825	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BM049849.D	Benzaldehyde	anahy	4/9/2025 10:32:06 AM	Jagrut	4/9/2025 4:46:22 PM	Peak Integrated by Software
SSTDICC010	BM049850.D	Benzoic acid	anahy	4/9/2025 10:32:44 AM	Jagrut	4/9/2025 4:46:25 PM	Peak Integrated by Software
SSTDICC060	BM049854.D	Pyridine	anahy	4/9/2025 10:33:20 AM	Jagrut	4/9/2025 4:46:27 PM	Peak Integrated by Software
SSTDICC080	BM049855.D	Pyridine	anahy	4/9/2025 10:34:03 AM	Jagrut	4/9/2025 4:46:30 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bm041125	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BM049893.D	Benzoic acid	Rahul	4/14/2025 11:03:55 AM	Jagrut	4/14/2025 1:08:25 PM	Peak Integrated by Software
Q1761-01MS	BM049897.D	Benzoic acid	Rahul	4/14/2025 11:03:58 AM	Jagrut	4/14/2025 1:08:28 PM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM040825

Review By	anahy	Review On	4/9/2025 10:38:14 AM				
Supervise By	Jagrut	Supervise On	4/9/2025 4:50:06 PM				
SubDirectory	BM040825	HP Acquire Method	BNA_M		HP Processing Method	bm040825	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12657,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM049847.D	08 Apr 2025 12:55	RC/JU	Ok
2	SSTDICC2.5	BM049848.D	08 Apr 2025 13:35	RC/JU	Ok
3	SSTDICC005	BM049849.D	08 Apr 2025 14:14	RC/JU	Ok,M
4	SSTDICC010	BM049850.D	08 Apr 2025 14:53	RC/JU	Ok,M
5	SSTDICC020	BM049851.D	08 Apr 2025 15:32	RC/JU	Ok
6	SSTDICCC040	BM049852.D	08 Apr 2025 16:12	RC/JU	Ok
7	SSTDICC050	BM049853.D	08 Apr 2025 17:30	RC/JU	Ok
8	SSTDICC060	BM049854.D	08 Apr 2025 19:28	RC/JU	Ok,M
9	SSTDICC080	BM049855.D	08 Apr 2025 20:07	RC/JU	Ok,M
10	SSTDICV040	BM049856.D	08 Apr 2025 20:47	RC/JU	Ok
11	PB167474BL	BM049857.D	08 Apr 2025 21:26	RC/JU	Not Ok

M : Manual Integration

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 # BM041125

Review By	Rahul	Review On	4/14/2025 11:04:55 AM				
Supervise By	Jagrut	Supervise On	4/14/2025 1:08:59 PM				
SubDirectory	BM041125	HP Acquire Method	BNA_M		HP Processing Method	bm040825	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12658,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM049892.D	11 Apr 2025 08:58	RC/JU	Ok
2	SSTDCCC040	BM049893.D	11 Apr 2025 09:37	RC/JU	Ok,M
3	PB167544BL	BM049894.D	11 Apr 2025 10:17	RC/JU	Ok
4	PB167544BS	BM049895.D	11 Apr 2025 10:56	RC/JU	Ok
5	Q1761-01	BM049896.D	11 Apr 2025 11:41	RC/JU	Ok
6	Q1761-01MS	BM049897.D	11 Apr 2025 12:20	RC/JU	Ok,M
7	Q1761-01MSD	BM049898.D	11 Apr 2025 12:59	RC/JU	Ok
8	Q1752-08	BM049899.D	11 Apr 2025 13:38	RC/JU	Ok
9	Q1753-04	BM049900.D	11 Apr 2025 14:18	RC/JU	Ok
10	Q1753-08	BM049901.D	11 Apr 2025 14:57	RC/JU	Ok
11	Q1771-09	BM049902.D	11 Apr 2025 15:36	RC/JU	Ok
12	Q1760-01	BM049903.D	11 Apr 2025 16:15	RC/JU	Ok
13	Q1760-05	BM049904.D	11 Apr 2025 16:55	RC/JU	Dilution
14	Q1756-01	BM049905.D	11 Apr 2025 17:34	RC/JU	Ok,M
15	Q1768-01	BM049906.D	11 Apr 2025 18:13	RC/JU	Ok
16	Q1771-01	BM049907.D	11 Apr 2025 18:53	RC/JU	Ok
17	Q1771-05	BM049908.D	11 Apr 2025 19:32	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM040825

Review By	anahy	Review On	4/9/2025 10:38:14 AM		
Supervise By	Jagrut	Supervise On	4/9/2025 4:50:06 PM		
SubDirectory	BM040825	HP Acquire Method	BNA_M	HP Processing Method	bm040825

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12657,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BM049847.D	08 Apr 2025 12:55		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BM049848.D	08 Apr 2025 13:35		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BM049849.D	08 Apr 2025 14:14	Compound #32,54,65 removed from 5ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BM049850.D	08 Apr 2025 14:53	Compound #32,54 kept on LR	RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BM049851.D	08 Apr 2025 15:32	This calibration is fail for Com#77	RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BM049852.D	08 Apr 2025 16:12	This calibration is good for 8270E DOD except Com#77 and good for 625.1 method	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BM049853.D	08 Apr 2025 17:30		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BM049854.D	08 Apr 2025 19:28	Compound #69 Removed from 60PPM	RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BM049855.D	08 Apr 2025 20:07	Compound #69 Removed from 80PPM	RC/JU	Ok,M
10	SSTDICV040	ICVBM040825	BM049856.D	08 Apr 2025 20:47		RC/JU	Ok
11	PB167474BL	PB167474BL	BM049857.D	08 Apr 2025 21:26	Use for Q1730 only	RC/JU	Not Ok

M : Manual Integration

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Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM041125

Review By	Rahul	Review On	4/14/2025 11:04:55 AM		
Supervise By	Jagrut	Supervise On	4/14/2025 1:08:59 PM		
SubDirectory	BM041125	HP Acquire Method	BNA_M	HP Processing Method	bm040825

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12658,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BM049892.D	11 Apr 2025 08:58		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BM049893.D	11 Apr 2025 09:37		RC/JU	Ok,M
3	PB167544BL	PB167544BL	BM049894.D	11 Apr 2025 10:17		RC/JU	Ok
4	PB167544BS	PB167544BS	BM049895.D	11 Apr 2025 10:56		RC/JU	Ok
5	Q1761-01	GST3	BM049896.D	11 Apr 2025 11:41		RC/JU	Ok
6	Q1761-01MS	GST3MS	BM049897.D	11 Apr 2025 12:20		RC/JU	Ok,M
7	Q1761-01MSD	GST3MSD	BM049898.D	11 Apr 2025 12:59		RC/JU	Ok
8	Q1752-08	TP-3	BM049899.D	11 Apr 2025 13:38		RC/JU	Ok
9	Q1753-04	WC-1	BM049900.D	11 Apr 2025 14:18		RC/JU	Ok
10	Q1753-08	WC-2	BM049901.D	11 Apr 2025 14:57	Internal Standard Fail and Surrogate Fail	RC/JU	Ok
11	Q1771-09	TP-3A	BM049902.D	11 Apr 2025 15:36		RC/JU	Ok
12	Q1760-01	TP-17	BM049903.D	11 Apr 2025 16:15		RC/JU	Ok
13	Q1760-05	TP-15	BM049904.D	11 Apr 2025 16:55	Need 5X Dilution	RC/JU	Dilution
14	Q1756-01	TP-9	BM049905.D	11 Apr 2025 17:34		RC/JU	Ok,M
15	Q1768-01	CRUSHED STONE	BM049906.D	11 Apr 2025 18:13		RC/JU	Ok
16	Q1771-01	TP-6C	BM049907.D	11 Apr 2025 18:53		RC/JU	Ok
17	Q1771-05	TP-7C	BM049908.D	11 Apr 2025 19:32		RC/JU	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 4/10/2025

OVENTEMP IN Celsius(°C): 106
Time IN: 17:00
In Date: 04/09/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:11
Out Date: 04/10/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB135355

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
Q1756-01	TP-9	1	1.14	10.53	11.67	10.27	86.7	
Q1756-02	TP-9-EPH	2	1.18	10.19	11.37	10.19	88.4	
Q1756-03	TP-9-VOC	3	1.16	10.00	11.16	10.00	88.4	
Q1760-01	TP-17	4	1.15	10.40	11.55	10.22	87.2	
Q1760-02	TP-17-EPH	5	1.15	10.14	11.29	10.05	87.8	
Q1760-03	TP-17-VOC	6	1.18	10.26	11.44	10.13	87.2	
Q1760-05	TP-15	7	1.17	10.37	11.54	10.39	88.9	
Q1760-06	TP-15-EPH	8	1.19	10.67	11.86	10.63	88.5	
Q1760-07	TP-15-VOC	9	1.18	10.34	11.52	10.36	88.8	
Q1761-01	GST-3	10	1.19	11.28	12.47	10.06	78.6	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

135355

WorkList Name : %1-040925 **WorkList ID :** 188815 **Department :** Wet-Chemistry **Date :** 04-09-2025 08:01:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1756-01	TP-9	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/09/2025	Chemtech -SO
Q1756-02	TP-9-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/09/2025	Chemtech -SO
Q1756-03	TP-9-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/09/2025	Chemtech -SO
Q1760-01	TP-17	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/09/2025	Chemtech -SO
Q1760-02	TP-17-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/09/2025	Chemtech -SO
Q1760-03	TP-17-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/09/2025	Chemtech -SO
Q1760-05	TP-15	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/09/2025	Chemtech -SO
Q1760-06	TP-15-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/09/2025	Chemtech -SO
Q1760-07	TP-15-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/09/2025	Chemtech -SO
Q1761-01	GST-3	Solid	Percent Solids	Cool 4 deg C	GENV01	L31	04/08/2025	Chemtech -SO

Date/Time 04/09/25 15:40

Raw Sample Received by: SB WDC

Raw Sample Relinquished by:

Date/Time 04/09/25 17:10

Raw Sample Received by:

Raw Sample Relinquished by: SB WDC

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167544

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 : 04/10/2025

Extraction Start Time : 08:55

Extraction End Date : 04/10/2025

Extraction End Time : 12:15

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	EP2600
Baked Na2SO4	N/A	EP2599
Sand	N/A	EP2865
Methylene Chloride	N/A	E3926
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. Q1771-01,03,05 Added in batch at 9:15.

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
04/10/25	RP (Ext. Lab)	AE/SVOC
12:20	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167544

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 04/10/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167544BL	SBLK544	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1			U6-1
PB167544BS	SLCS544	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1			2
Q1756-01	TP-9	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	E		3
Q1760-01	TP-17	SVOC-TCL BNA -20	50.04	N/A	ritesh	Evelyn	1	E		4
Q1760-05	TP-15	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	E		5
Q1761-01	GST-3	SVOC-PAH	30.05	N/A	ritesh	Evelyn	1	E		6
Q1761-01MS	GST-3MS	SVOC-PAH	30.01	N/A	ritesh	Evelyn	1	E		U7-1
Q1761-01MSD	GST-3MSD	SVOC-PAH	30.03	N/A	ritesh	Evelyn	1	E		2
Q1771-01	TP-6C	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	A		3
Q1771-05	TP-7C	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	A		4
Q1771-09	TP-3A	SVOC-TCL BNA -20	50.04	N/A	ritesh	Evelyn	1	A		5

4/10/25

* **Extracts relinguished on the same date as received.**

BW
167544

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1771 **WorkList ID :** 188844 **Department :** Extraction **Date :** 04-10-2025 09:11:23

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1771-01	TP-6C	Solid	PCB	Cool 4 deg C	PSEG03	F11	04/09/2025	8082A
Q1771-01	TP-6C	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	F11	04/09/2025	8081B
Q1771-01	TP-6C	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	F11	04/09/2025	8270E
Q1771-05	TP-7C	Solid	PCB	Cool 4 deg C	PSEG03	F11	04/09/2025	8082A
Q1771-05	TP-7C	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	F11	04/09/2025	8081B
Q1771-05	TP-7C	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	F11	04/09/2025	8270E
Q1771-09	TP-3A	Solid	PCB	Cool 4 deg C	PSEG03	F11	04/09/2025	8082A
Q1771-09	TP-3A	Solid	Pesticide-TCL	Cool 4 deg C	PSEG03	F11	04/09/2025	8081B
Q1771-09	TP-3A	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	F11	04/09/2025	8270E

Date/Time 04/10/25 9:13
Raw Sample Received by: RJ (Eurofins)
Raw Sample Relinquished by: CP

Date/Time 04/10/25 9:25
Raw Sample Received by: CP
Raw Sample Relinquished by: RJ (Eurofins)

167549
8355

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1761 **WorkList ID :** 188840 **Department :** Extraction **Date :** 04-10-2025 08:17:36

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1756-01	TP-9	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	04/09/2025	8270E
Q1760-01	TP-17	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L31	04/09/2025	8270E
Q1760-05	TP-15	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L31	04/09/2025	8270E
Q1761-01	GST-3	Solid	SVOC-PAH	Cool 4 deg C	GENV01	L31	04/08/2025	8270E

Date/Time 04/10/25 8:50

Raw Sample Received by: RJ (Eat Lab)

Raw Sample Relinquished by:

Date/Time 04/10/25 9:20

Raw Sample Received by:

Raw Sample Relinquished by: RJ (Eat Lab)

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Prep Standard - Chemical Standard Summary

Order ID : Q1761

Test : SVOC-PAH

Prepbatch ID : PB167544,

Sequence ID/Qc Batch ID: bm041125,

Standard ID :
EP2599,EP2600,EP2865,SP6685,SP6686,SP6721,SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729,SP6752,SP6754,SP6757,

Chemical ID :
10ul/1000ul sample,E3551,E3828,E3874,E3876,E3902,E3904,E3917,E3926,S10104,S10397,S10584,S11074,S11087,S11143,S11161,S11487,S11495,S11650,S11785,S11786,S11787,S11788,S12114,S12142,S12189,S12190,S12191,S12192,S12193,S12194,S12195,S12208,S12209,S12210,S12211,S12212,S12213,S12214,S12215,S12216,S12270,S12276,S12327,S12469,S12478,S12479,S12480,S12481,S12482,S12483,S12484,S12485,S12486,S12517,S12525,S12526,S12527,S12528,S12529,S12530,S12531,S12532,S12533,S12577,S12649,S12658,S12791,S12966,S12967,S12968,S12969,S12970,S12971,S12972,S12973,S12974,

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2599	04/07/2025	07/01/2025	Rajesh Parikh	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 04/07/2025

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2017	1:1 ACETONE/METHYLENE CHLORIDE	EP2600	04/07/2025	10/03/2025	Rajesh Parikh	None	None	Riteshkumar Patel 04/07/2025

FROM 8000.00000ml of E3904 + 8000.00000ml of E3917 = Final Quantity: 16000.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
18	Second Source Calibration Stock Standard, 100 PPM, (8270/625/CLP)	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

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
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

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
410	40 ng BNA ICC, 40 PPM	SP6725	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.60000ml of E3874 + 0.40000ml of SP6721 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3678	20 ng BNA ICC, 20 PPM	SP6726	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.80000ml of E3874 + 0.20000ml of SP6721 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
408	10 ng BNA ICC, 10 PPM	SP6727	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.90000ml of E3874 + 0.10000ml of SP6721 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
407	5 ng BNA ICC, 5 PPM	SP6728	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.95000ml of E3874 + 0.05000ml of SP6721 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
175	2.5 ng BNA ICC, 2.5 PPM	SP6729	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.50000ml of E3874 + 0.50000ml of SP6728 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
171	8270/625 Spike Solution, 50/100 PPM	SP6752	03/10/2025	05/31/2025	Rahul Chavli	None	None	Jagrut Upadhyay 04/03/2025

FROM 0.10000ml of S12478 + 0.30000ml of S12525 + 0.40000ml of S10397 + 0.40000ml of S10584 + 0.40000ml of S11143 + 0.40000ml of S11487 + 0.40000ml of S11650 + 0.40000ml of S12533 + 0.40000ml of S12974 + 0.60000ml of S12486 + 0.80000ml of S12966 + 1.10000ml of S11788 + 1.20000ml of S11785 + 1.20000ml of S12483 + 1.20000ml of S12526 + 1.20000ml of S12967 + 1.20000ml of S12968 + 1.20000ml of S12970 + 1.20000ml of S12972 + 1.30000ml of S11786 + 1.30000ml of S12481 + 1.30000ml of S12482 + 1.30000ml of S12484 + 1.30000ml of S12528 + 1.30000ml of S12529 + 1.30000ml of S12531 + 1.30000ml of S12969 + 1.30000ml of S12973 + 1.40000ml of S11787 + 1.40000ml of S12479 + 1.40000ml of S12480 + 1.40000ml of S12485 + 1.40000ml of S12527 + 1.40000ml of S12530 + 1.40000ml of S12532 + 1.40000ml of S12971 + 163.00000ml of E3876 = Final Quantity: 200.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
19	8270/CLP Surrogate Solution, 100 PPM BN/150 PPM ACID	SP6754	03/18/2025	09/18/2025	Rahul Chavli	None	None	Jagrut Upadhyay 04/03/2025

FROM 1930.00000ml of E3902 + 2.60000ml of S12216 + 2.70000ml of S12195 + 5.20000ml of S12210 + 5.30000ml of S12192 + 5.30000ml of S12194 + 5.30000ml of S12209 + 5.30000ml of S12211 + 5.30000ml of S12212 + 5.30000ml of S12213 + 5.40000ml of S12190 + 5.40000ml of S12214 + 5.60000ml of S12191 + 5.60000ml of S12215 + 5.70000ml of S12193 = Final Quantity: 2000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3895	50 ug/ml DFTPP 8270E	SP6757	03/31/2025	09/30/2025	Rahul Chavli	None	None	Jagrut Upadhyay 04/01/2025

FROM 1.00000ml of S12577 + 19.00000ml of E3904 = Final Quantity: 20.000 ml

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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-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	09/18/2025	03/18/2025 / RUPESH	02/12/2025 / RUPESH	E3902

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24K1762005	01/07/2026	03/13/2025 /	12/27/2024 / RUPESH	E3904

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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-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	10/03/2025	04/03/2025 / Rajesh	03/31/2025 / Rajesh	E3917

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A0262002	10/08/2025	04/08/2025 / Rajesh	02/07/2025 / Rajesh	E3926

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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010074-07 / 3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 ml, (Maximum Expiration: 180 days)	406703	07/30/2025	01/30/2025 / anahy	02/07/2023 / Christian	S11087

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555869 / Custom Standard, hexachlorocyclopentadiene Std [CS 5328-2]	A0194702	07/29/2025	01/29/2025 / anahy	02/20/2023 / Christian	S11143

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

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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	07/29/2025	01/29/2025 / anahy	11/21/2023 / Rahul	S11785

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	09/10/2025	03/10/2025 / anahy	11/21/2023 / Rahul	S11786

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

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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	04/10/2025	10/10/2024 / anahy	03/15/2024 / Rahul	S12189

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	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

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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	S12195

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	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

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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	S12213

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12214

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12215

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12216

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-110381-01 / 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1ml	520963	07/30/2025	01/30/2025 / anahy	05/24/2024 / Rahul	S12270

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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0206540	05/12/2025	11/12/2024 / anahy	05/30/2024 / Rahul	S12327

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12469

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

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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	S12482

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

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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	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12525

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12526

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

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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	S12531

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12532

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12533

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31615 / SV Mixture, GC/MS Tuning Mixture, CH2Cl2, 1mL,	A0212955	06/30/2027	03/31/2025 / Rahul	08/01/2024 / Rahul	S12577

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0212266	07/21/2025	01/21/2025 / anahy	09/20/2024 / anahy	S12649

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0212266	04/30/2030	04/07/2025 / anahy	09/20/2024 / anahy	S12658

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 #
CPI International	Z-110816-01 / Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL, (Maximum Expiration: 180 Days)	414127	06/21/2025	01/30/2025 / anahy	05/24/2024 / Rahul	S12791

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	07/29/2025	01/29/2025 / anahy	12/11/2024 / anahy	S12966

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12967

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12968

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12969

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12970

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12971

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12972

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12973

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12974

CPI INTERNATIONAL

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Manufacturer's Quality System
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Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010074-07	406703	≤ -10 °C	Methylene Chloride	3/30/2025	3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
3,3'-dichlorobenzidine	91-94-1	99.5	74.3.26P	989 ± 7.53

Received on
02/07/23
by
CG

S11084
to
S11088

*Not a certified value

Certified By: _____
Jacob Mulloy
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricllly.

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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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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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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 #3222.02

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

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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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)

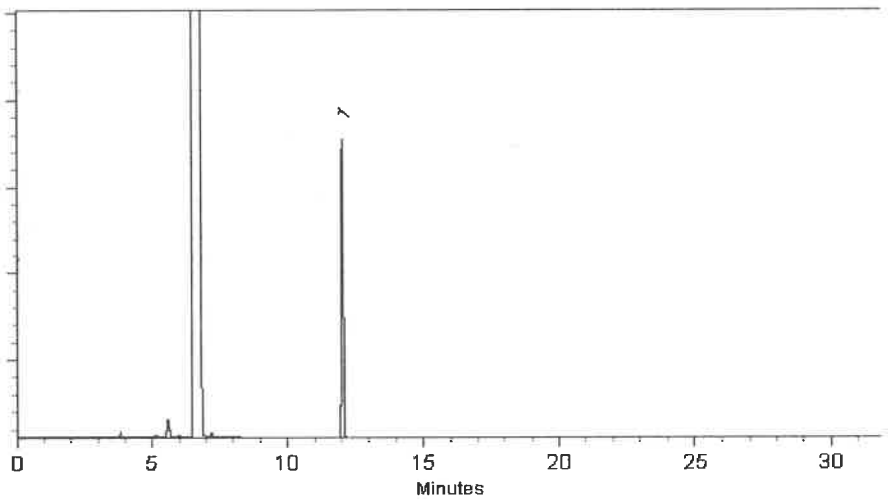
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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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Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555869 **Lot No.:** A0194702

Description : Custom Hexachlorocyclopentadiene Standard

Custom Hexachlorocyclopentadiene Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)
1	Hexachlorocyclopentadiene	77-47-4	0012019	99%	25,008.0 µg/mL

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 15-Feb-2023 **Balance:** B442140311

Manufactured under Restek Registered Quality Certificate #FM

tified Reference Material Notes

:es:

n date valid for unopened ampul stored in compliance with the recommended conditions.

nty, concentration, and expiration of the CRM are based on the unopened product being stored according to the ended condition found in the storage field.

d/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, LC/MS, RI, and/or melting point.

nds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A n factor is used to calculate the amount of compound necessary to achieve the desired concentration of the mpound in solution.

isomeric compounds is reported as the sum of the isomers.

lues are rounded to the nearest whole number.

rtainty Value Notes:

rtainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded ty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability ty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

erage factor of 2, which gives a level of confidence of approximately 95%.

ged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure nimum packaged amount can be sufficiently transferred.

Notes:

tion is based upon gravimetric preparation using either a balance whose calibration has been verified daily traceable weights, and/or dilutions with Class A glassware.

:

the unopened product, when stored in compliance with the recommended conditions, is guaranteed through ion displayed on the product label and certificate. Contact Restek for additional opened product stability ı, with the knowledge/understanding that open product stability is subject to the specific handling and ntal conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with ards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom m. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, des complete instructions.

ssolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely

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www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO_4)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreing matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RG-02-01, Ed. 3

Recd. by RB on 7/24/23 E3551

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 24J0862003
Manufactured Date: 2024-09-12
Expiration Date:2025-12-12
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	2
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3828

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

PO: PO2-1178.2 PRODUCT CODE: SHIP DATE: 1/20/2025

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 25A0262002
Manufactured Date: 2024-11-21
Expiration Date:2026-02-20
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	4
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.8 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3874

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

PO: PO2-798 PRODUCT CODE: SHIP DATE: 12/9/2024

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor | J.T.Baker

Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date:2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3902

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date:2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd. by RP on 03/31/25

E3917

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

PO: PO2-1308 PRODUCT CODE: SHIP DATE: 2/7/25

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 25A0262002
Manufactured Date: 2024-11-21
Expiration Date:2026-02-20
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	4
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.8 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3926

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

S11484 ↓ S11493 Y.P. 08/10/23

Catalog No. : 555870 **Lot No.:** A0200549

Description : Custom 2,4-Dinitrophenol Standard

Custom 2,4-Dinitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	25,008.0 µg/mL	+/- 777.3323

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Tom Suckar - Mix Technician

Date Mixed: 02-Aug-2023 **Balance:** 1128342314

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110094-02	506889	≤ -10 °C	Methylene Chloride	7/25/2028	CLP Base/Neutral Surrogate Solution, 5,000 mg/L, 1 ml

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2-dichlorobenzene-d_4	2199-69-1	99.7	247.29.3P	5035 ± 28.02
2-fluorobiphenyl	321-60-8	99.69	8.286.1.1P	4999 ± 103.66
nitrobenzene-d5	4165-60-0	99.67	7.9.3P	4988 ± 27.32
p-terphenyl-d14	1718-51-0	99.3	9.120.8P	5005 ± 27.85

511494 to 511498 } Y.P. 08/11/2023

*Not a certified value

Certified By: _____

Clint Tipton
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555872 **Lot No.:** A0201728

Description : Custom Pentachlorophenol Standard

Custom Pentachlorophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

511649 ↓ 511658 Y.P. 11/13/23

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP230530RSR	99%	25,000.0 µg/mL	+/- 777.0837

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Josh McCloskey - Operations Technician I

Date Mixed: 05-Sep-2023 **Balance:** B251644995

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

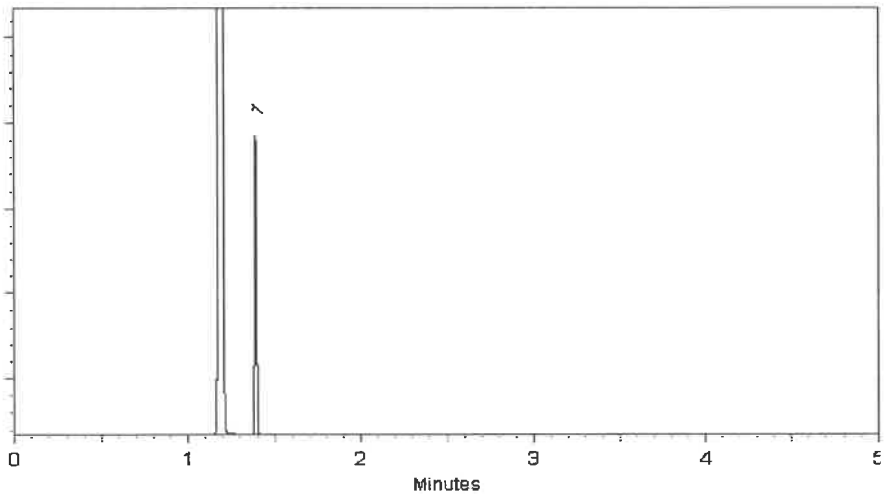
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

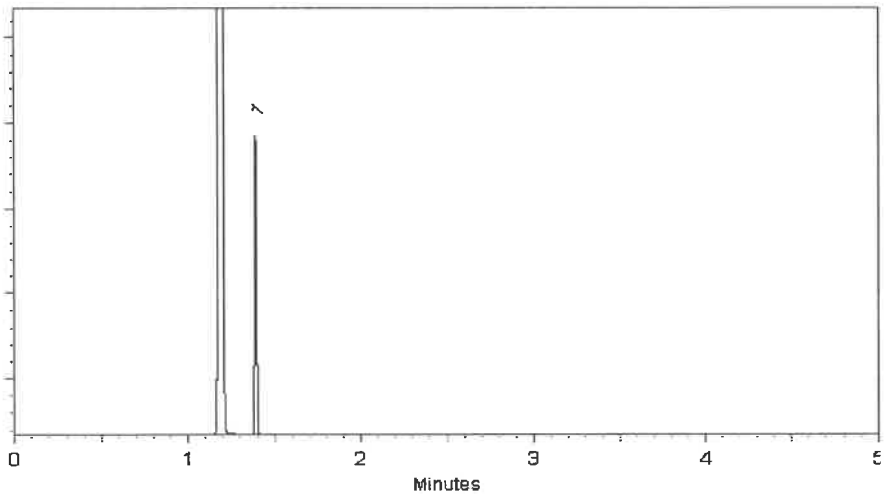
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
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Bellefonte, PA 16823-8812
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

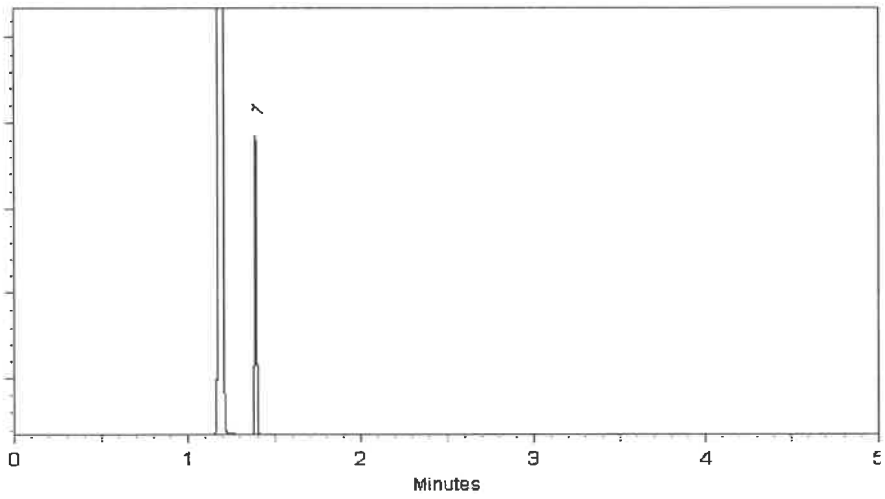
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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.)

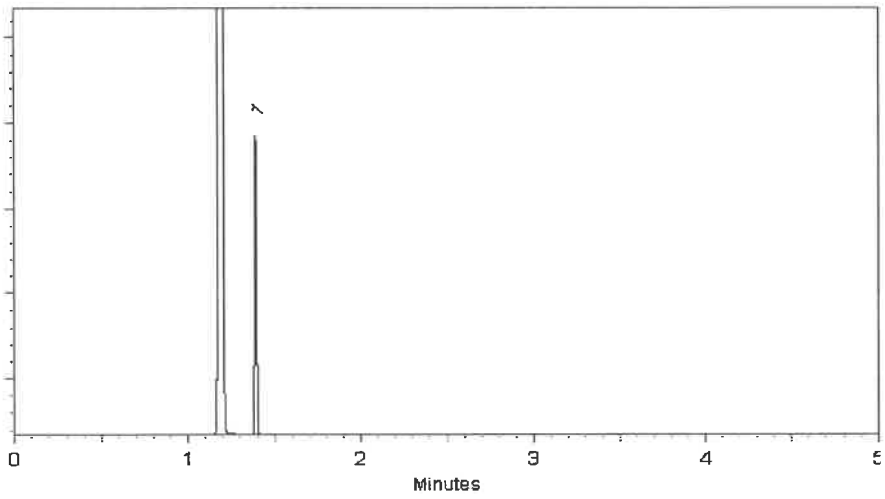
Inj. Temp:
250°C

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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Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12117 ↓ S12146 RC/ 03/18/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

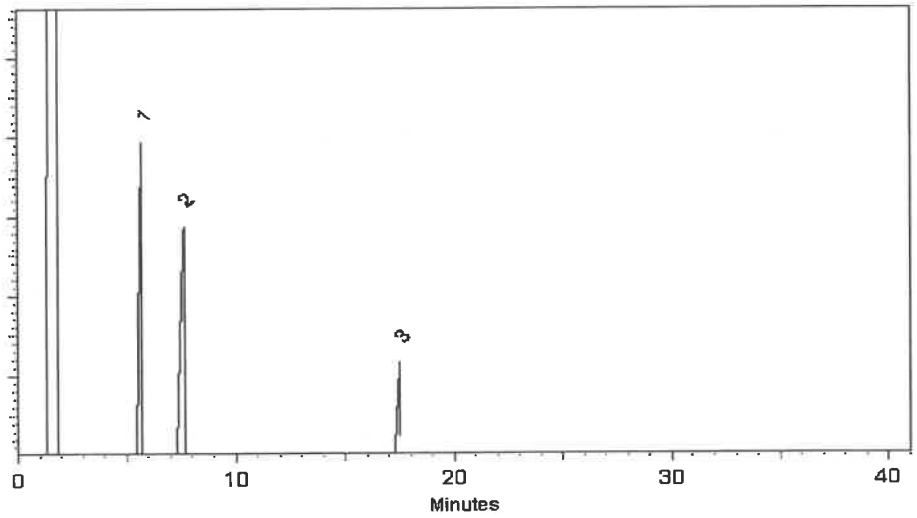
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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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. : 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.)

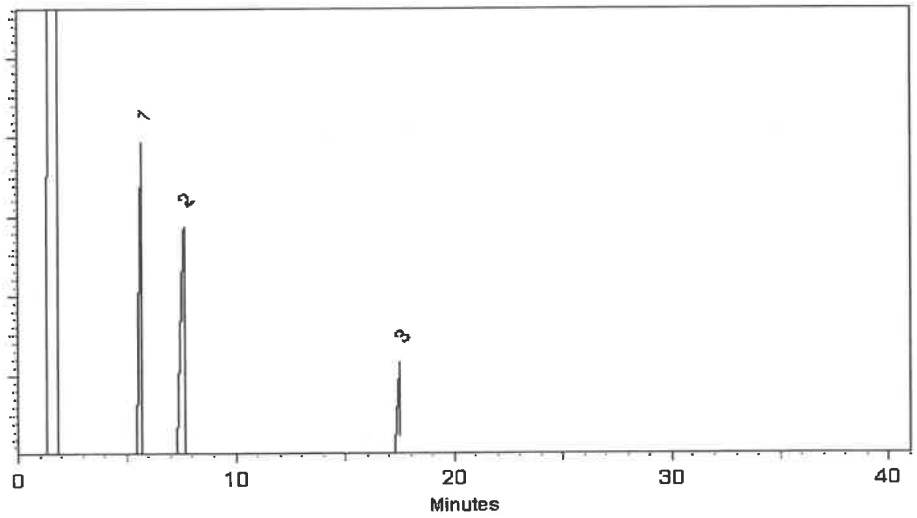
Inj. Temp:
250°C

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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110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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.)

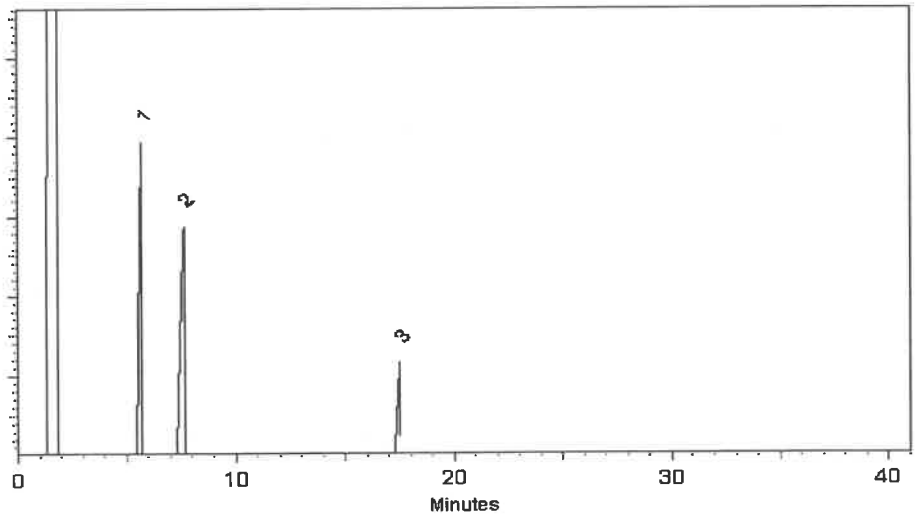
Inj. Temp:
250°C

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

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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
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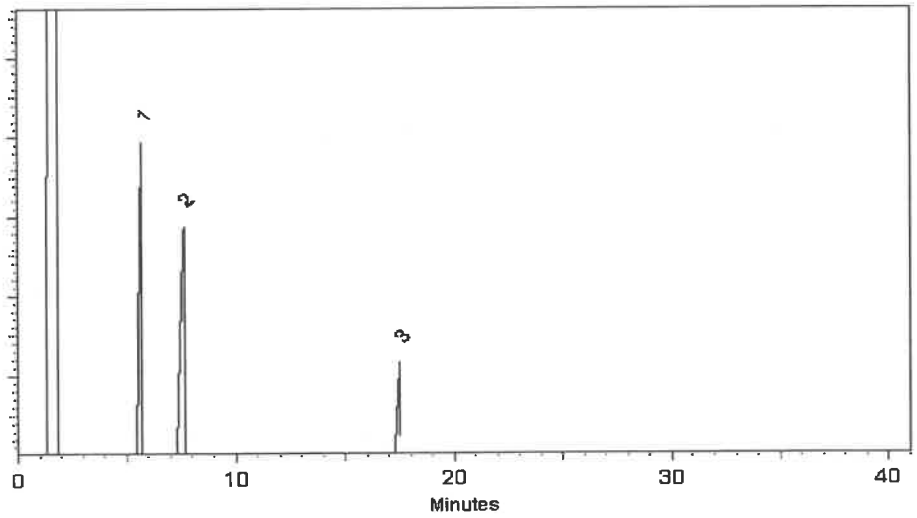
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

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Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
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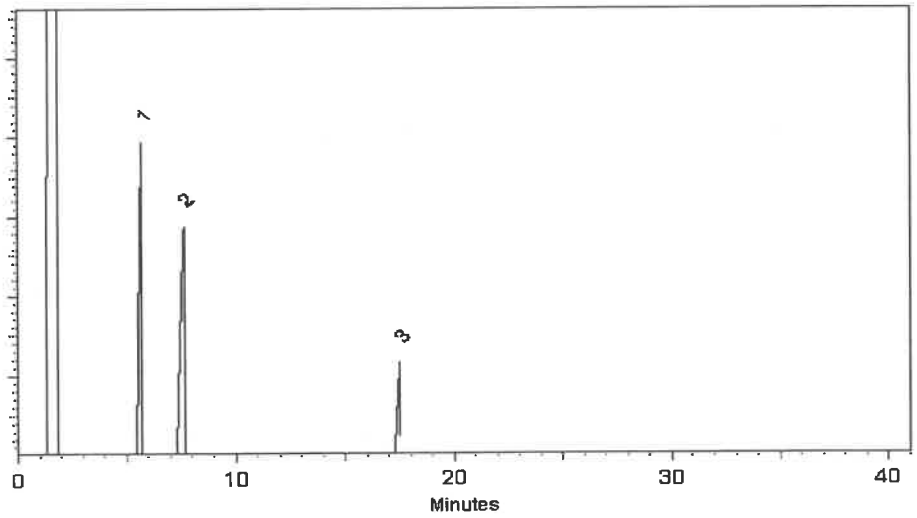
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

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Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

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
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* 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:
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Temp. Program:
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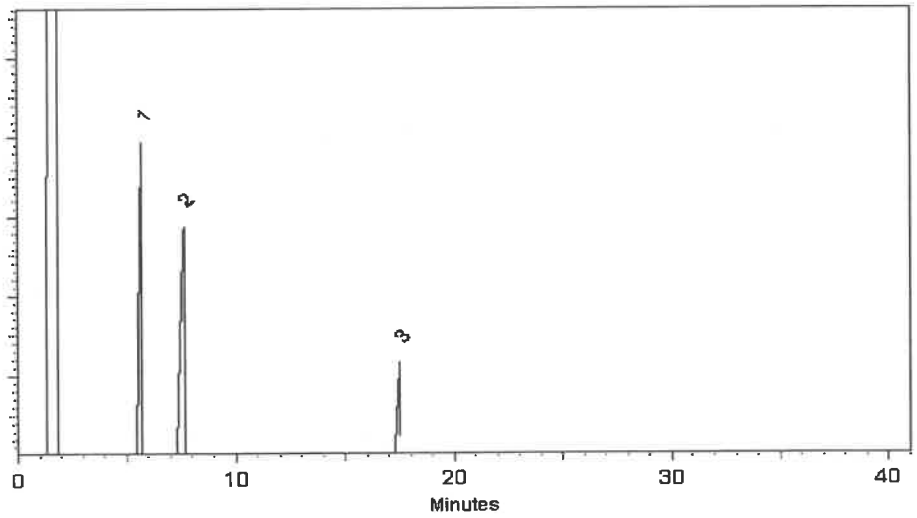
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

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Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

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
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* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

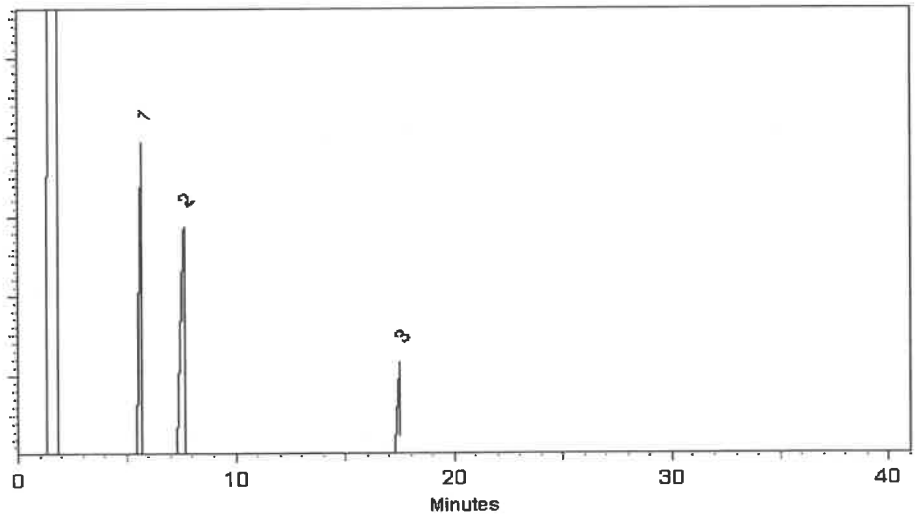
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

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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. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

S12207 ↓ S12221 RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

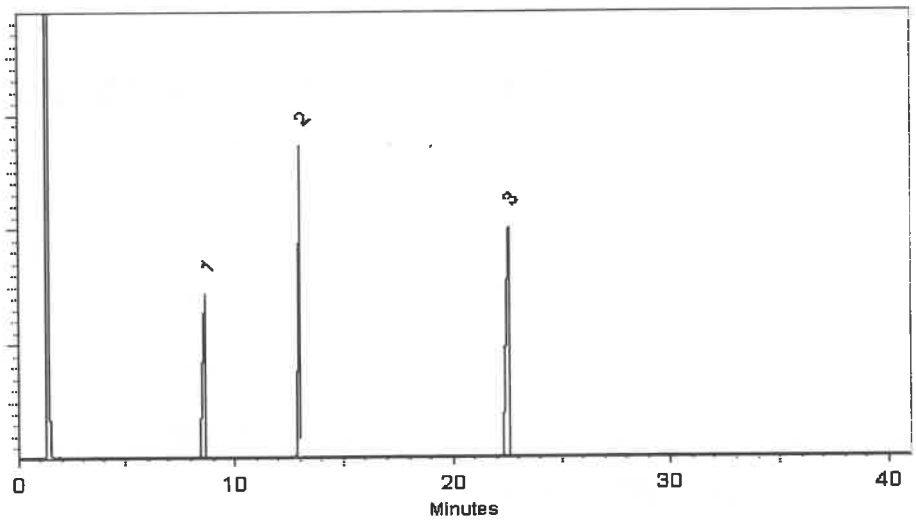
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

S12207 ↓ S12221 RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

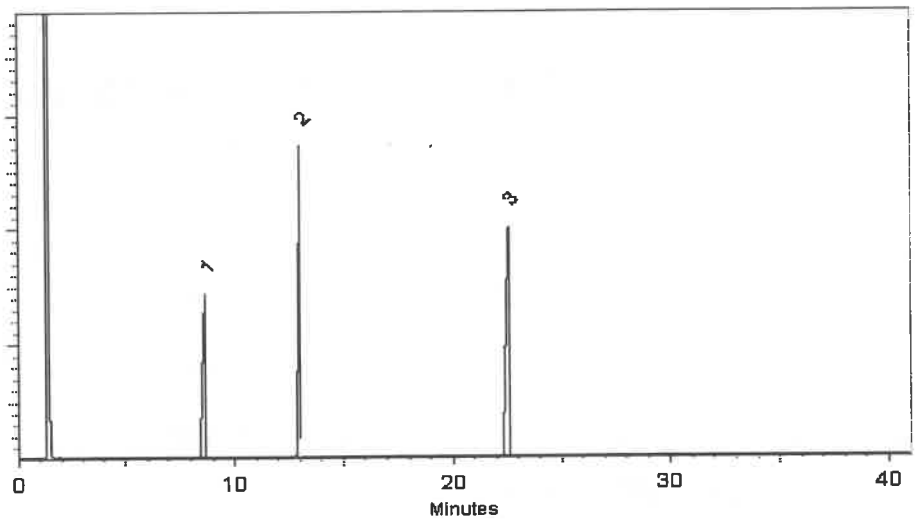
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

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Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

S12207 ↓ S12221 RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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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.)

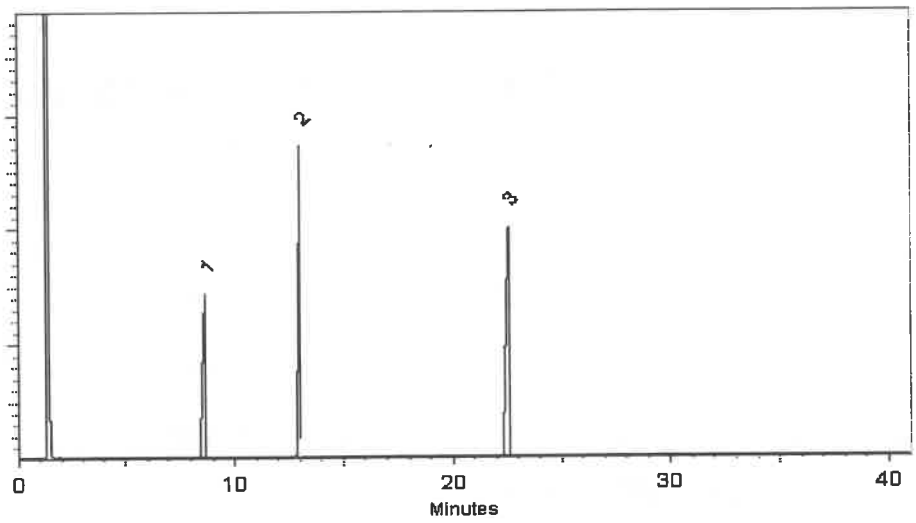
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

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Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

S12207 ↓ S12221 RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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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:
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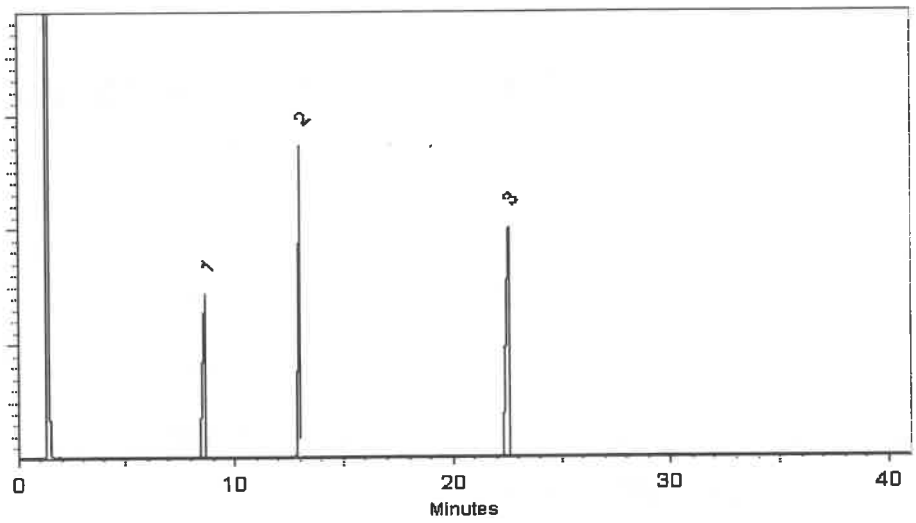
Inj. Temp:
250°C

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

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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

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Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

S12207 ↓ S12221 RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
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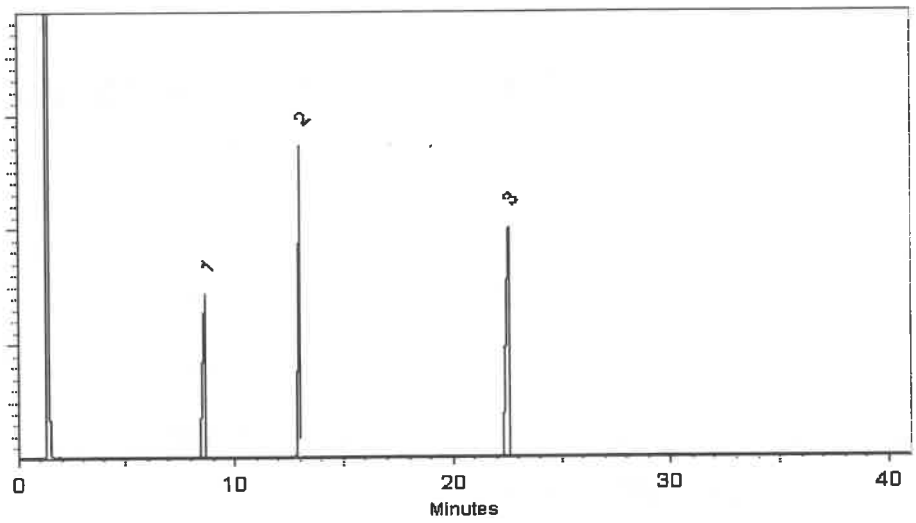
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Det. Temp:
330°C

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

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Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

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S12207 ↓ S12221 RC/ 03/18/24

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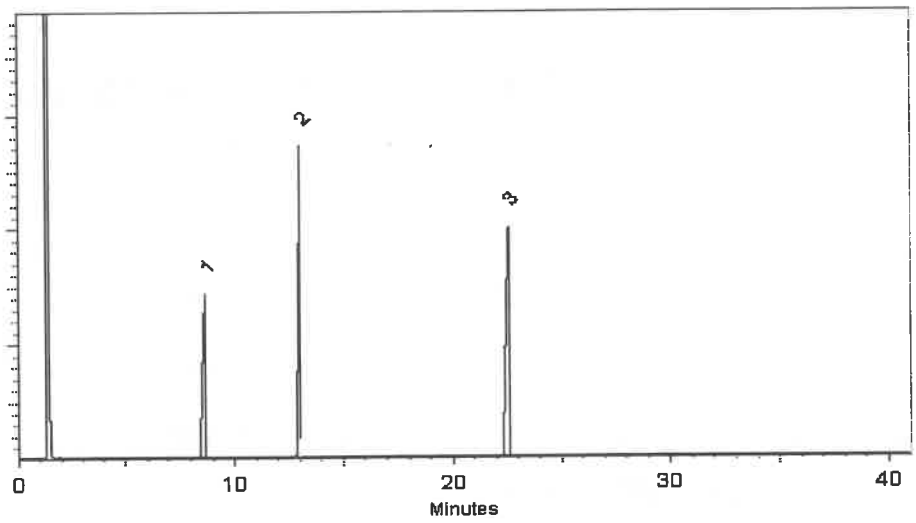
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1µl



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Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

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S12207 ↓ S12221 RC/ 03/18/24

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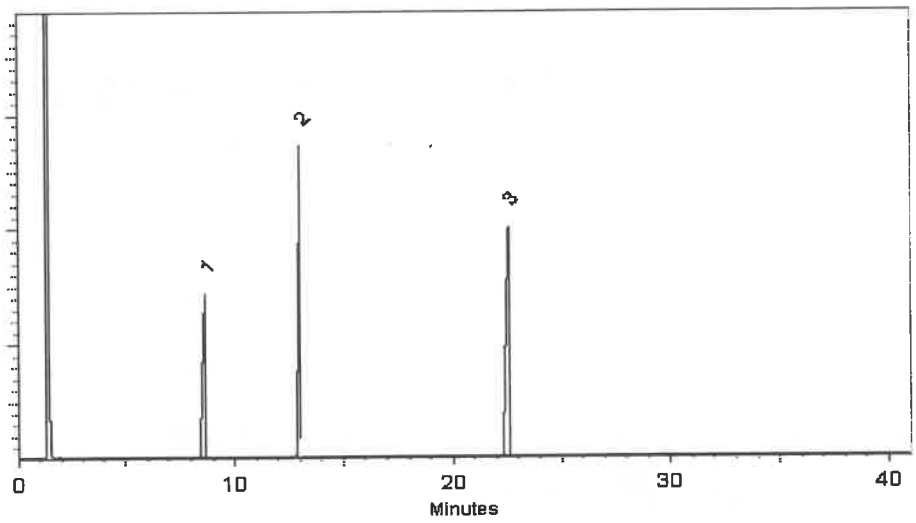
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S12207 ↓ S12221 RC/ 03/18/24

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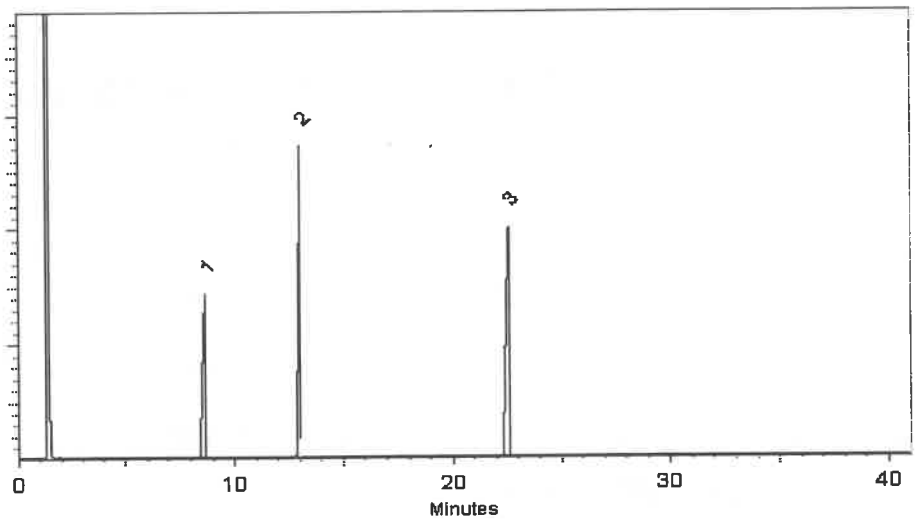
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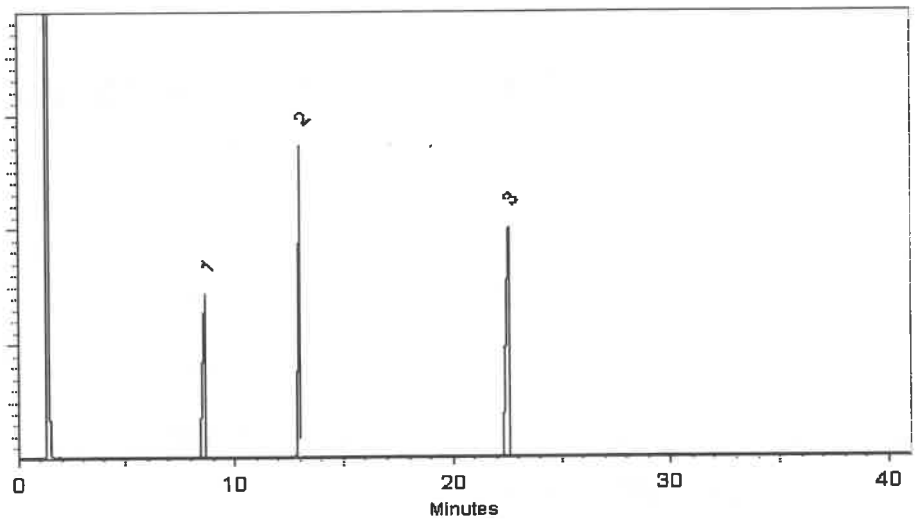
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Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110381-01	520963	≤ -10 °C	Methylene Chloride	10/10/2028	Method 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acenaphthene	83-32-9	99.9	13.1.5P	1010 ± 9.89
acenaphthylene	208-96-8	97.6	14.290.1P	1014 ± 9.93
aniline	62-53-3	99.97	64.1.4P	1001 ± 9.8
anthracene	120-12-7	99.5	15.7.1P	999.6 ± 9.79
azobenzene	103-33-3	98.1	252.7.2P	999.1 ± 9.8
benzo[a]anthracene	56-55-3	100	16.7.3P	1007 ± 9.86
benzo[b]fluoranthene	205-99-2	99.8	17.421.3P	1011 ± 14.11
benzo[k]fluoranthene	207-08-9	98.9	18.421.4P	1001 ± 10.96
benzo[ghi]perylene	191-24-2	93	19.286.4P	999.6 ± 13.95
benzo[a]pyrene	50-32-8	97	20.286.2P	999.9 ± 22.24
benzyl alcohol	100-51-6	99.9	65.18.1P	1001 ± 9.82
bis(2-chloroethoxy)methane	111-91-1	99.1	31.3.15P	1000 ± 14.69
bis(2-chloroethyl)ether	111-44-4	99.8	32.7.1P	1003 ± 13.89
bis(2-chloro-1-methylethyl) ether	108-60-1	99.5	34.3.15P	999.4 ± 14.68
bis(2-ethylhexyl)adipate	103-23-1	99.5	874.7.1P	999.5 ± 9.8
bis(2-ethylhexyl)phthalate	117-81-7	99.4	33.29.1P	998.8 ± 17.03
4-bromophenyl phenyl ether	101-55-3	99.4	35.7.1.1P	1000 ± 13.85
butyl benzyl phthalate	85-68-7	98.4	36.1.6P	984.7 ± 16.79
carbazole	86-74-8	99.4	239.7.2P	1000 ± 9.8

S12270 ↓ S12274 } RC 05/24/24

*Not a certified value

Kerry E Kane

Certified By: _____

Kerry Kane
Chemist

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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

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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

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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

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010442-07	495833	≤ -10 °C	Methylene Chloride	1/16/2028	Benzaldehyde Solution, 1000 mg/L, 1.3 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
benzaldehyde	100-52-7	98.3	442.421.1P	996.8 ± 11.49

S12275 ↓ S12279 } RC/ 05/24/24

*Not a certified value

Certified By: S. Hunter

Scott Hunter
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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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.)

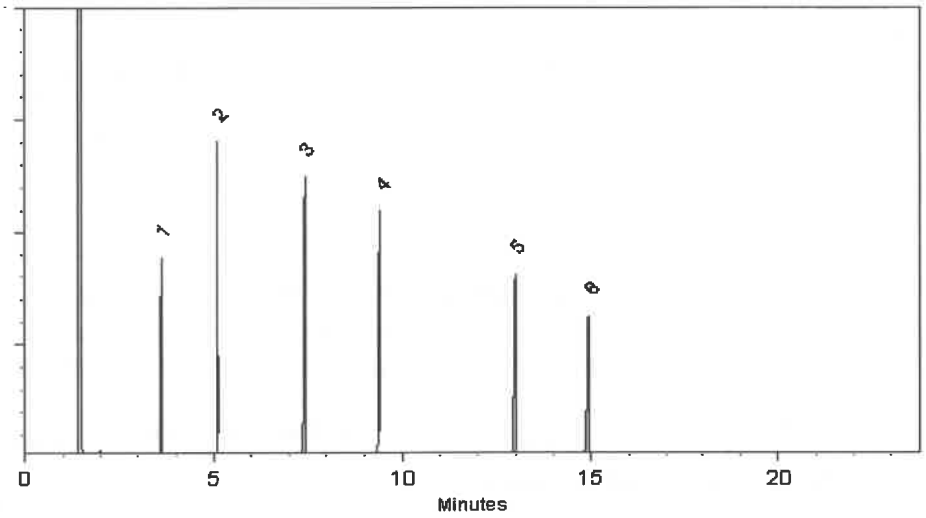
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Malina Homan - Operations Technician I

Date Mixed: 12-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

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Manufacturing Notes:

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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
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3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Manufacturing Notes:

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Handling Notes:

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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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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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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

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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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110 Benner Circle
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
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4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Purity Notes:

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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
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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
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
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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

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

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

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CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Tel: 1-814-353-1300
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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. : 31615 **Lot No.:** A0212955

Description : GC/MS Tuning Mixture

GC/MS Tuning Mixture 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2027 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,004.5 µg/mL	+/- 44.8902
2	DFTPP (Decafluorotriphenylphosphine)	5074-71-5	Q117-147	99%	1,004.5 µg/mL	+/- 44.8902
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 44.9572
4	4,4'-DDT	50-29-3	S240530RSR	97%	1,000.1 µg/mL	+/- 44.6922

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12577 ↓ S12579 RC 8/2/24

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

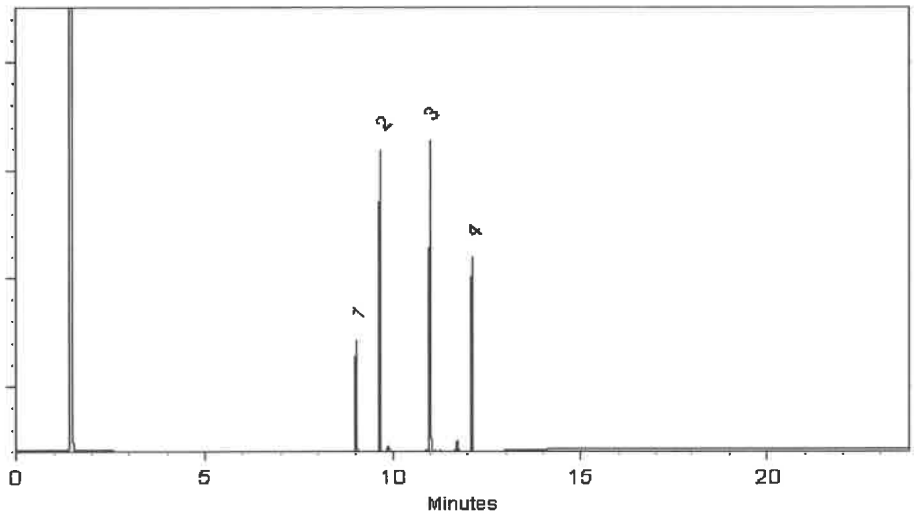
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 19-Jun-2024 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 26-Jun-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Certificate of Analysis

chromatographic plus

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0212266

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.6 µg/mL	+/- 90.1075
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.3 µg/mL	+/- 90.0925
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.4 µg/mL	+/- 90.1000
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.5 µg/mL	+/- 90.1037
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.7 µg/mL	+/- 90.1112
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.6 µg/mL	+/- 90.1075

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12645 ↓ S12674 AC 10/1/24

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0212266

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.6 µg/mL	+/- 90.1075
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.3 µg/mL	+/- 90.0925
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.4 µg/mL	+/- 90.1000
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.5 µg/mL	+/- 90.1037
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.7 µg/mL	+/- 90.1112
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.6 µg/mL	+/- 90.1075

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12645 ↓ S12674 AC 10/1/24

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110816-01	414127	≤-10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
atrazine	1912-24-9	99.5	337.7.3P	997 ± 5.81
benzidine	92-87-5	99.9	124.18.6.2P	991.8 ± 5.77
caprolactam	105-60-2	99.9	271.1.6P	999 ± 5.82

~~S12280~~ ↓ ~~S12284~~ RCI 05/24/24

New numbers Generated.

S12790 ↓ S12794 RCI 11/12/24

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____
Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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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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Fax: 1-814-353-1309

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Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302



54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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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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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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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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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.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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
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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:
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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. Q17661
COC Number 2046128

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:
PROJECT MANAGER: GL
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) _____ DAYS*
HARDCOPY (DATA PACKAGE) STANDARD 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) X NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B
☐ Other _____
X EDD FORMAT NJDEP SRP HazSite Excel Deliv

ANALYSIS

PAH VOA TCL + TCL

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9
									Terra Core							
1.	GST3	Soil		X	4/8/25	12:54		X	X							
2.																
3.																
4.																
5.																
6.																
7.																
8.																
9.																
10.																

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

	DATE/TIME	RECEIVED BY
RELINQUISHED BY SAMPLER: 1.	DATE/TIME: 13:45 4/9/25	RECEIVED BY: 1.
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.
RELINQUISHED BY SAMPLER: 3.	DATE/TIME:	RECEIVED BY: 3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.1 °C
Comments: 12 Containers

Page _____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

QA Control Code: A2070148

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1761 GENV01
Client Name : G Environmental
Client Contact : Gary Landis
Invoice Name : G Environmental
Invoice Contact : Gary Landis

Order Date : 4/9/2025 2:47:00 PM
Project Name : Stockton
Receive DateTime : 4/9/2025 1:45:00 PM
Purchase Order :

Project Mgr :
Report Type : ~~Level 1~~ NJ Reduced
EDD Type : Excel NJ
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1761-01	~~GST-3~~ GST3	Solid	04/08/2025	12:15	VOC-TCLVOA-10		8260D		10 Bus. Days

YG 04/15/2025

Relinguished By : _____
Date / Time : 4.9.25 1525

Received By : _____
Date / Time : 4/9/25 1525

Storage Area : **VOA Refridgerator Room**