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Cover Page

Order ID : Q1514

Project ID : Amtrak Sawtooth Bridges 2025

Client : Portal Partners Tri-Venture

Lab Sample Number	Client Sample Number
Q1514-01	ENV-105-SB01
Q1514-02	ENV-105-SB01
Q1514-03	ENV-105-SB02
Q1514-04	ENV-105-SB02
Q1514-05	ENV-103-SB01
Q1514-06	ENV-103-SB01
Q1514-07	ENV-105-GW01
Q1514-08	ENV-103-GW01
Q1514-09	FB03062025
Q1514-10	TB03062025

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: 3/15/2025

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 #: **Q1514**

	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: **NILESH PRAJAPATI** **Date:** **03/15/2025**

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LAB CHRONICLE

OrderID:	Q1514	**OrderDate:**	3/6/2025 2:08:00 PM
Client:	Portal Partners Tri-Venture	**Project:**	Amtrak Sawtooth Bridges 2025
Contact:	Joseph Krupansky	**Location:**	I31,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1514-01	**ENV-105-SB01**	**SOIL**			**03/05/25**			**03/06/25**
			SVOC-TCL BNA -20	8270E		03/07/25	03/11/25	
Q1514-02	**ENV-105-SB01**	**TCLP**			**03/05/25**			**03/06/25**
			TCLP BNA	8270E		03/07/25	03/10/25	
Q1514-03	**ENV-105-SB02**	**SOIL**			**03/05/25**			**03/06/25**
			SVOC-TCL BNA -20	8270E		03/07/25	03/07/25	
Q1514-04	**ENV-105-SB02**	**TCLP**			**03/05/25**			**03/06/25**
			TCLP BNA	8270E		03/07/25	03/10/25	
Q1514-05	**ENV-103-SB01**	**SOIL**			**03/05/25**			**03/06/25**
			SVOC-TCL BNA -20	8270E		03/07/25	03/11/25	
Q1514-06	**ENV-103-SB01**	**TCLP**			**03/05/25**			**03/06/25**
			TCLP BNA	8270E		03/07/25	03/10/25	
Q1514-07	**ENV-105-GW01**	**Water**			**03/05/25**			**03/06/25**
			SVOC-TCL BNA -20	8270E		03/07/25	03/07/25	
Q1514-08	**ENV-103-GW01**	**Water**			**03/05/25**			**03/06/25**
			SVOC-TCL BNA -20	8270E		03/07/25	03/07/25	
Q1514-09	**FB03062025**	**Water**			**03/06/25**			**03/06/25**
			SVOC-TCL BNA -20	8270E		03/07/25	03/07/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1514

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID :	**ENV-105-SB01**								
Q1514-01	ENV-105-SB01	SOIL	Phenanthrene		340.000		91.6	190	ug/Kg
Q1514-01	ENV-105-SB01	SOIL	Fluoranthene		300.000		89	190	ug/Kg
Q1514-01	ENV-105-SB01	SOIL	Pyrene		240.000		90.5	190	ug/Kg
Q1514-01	ENV-105-SB01	SOIL	Benzo(a)anthracene		150.000	J	88	190	ug/Kg
Q1514-01	ENV-105-SB01	SOIL	Chrysene		150.000	J	86.6	190	ug/Kg
Q1514-01	ENV-105-SB01	SOIL	Benzo(b)fluoranthene		140.000	J	88.4	190	ug/Kg
Q1514-01	ENV-105-SB01	SOIL	Benzo(a)pyrene		130.000	J	100	190	ug/Kg
			Total Svoc :		**1,450.00**				
Q1514-01	ENV-105-SB01	SOIL	Benzophenone	*	250.000	J	0	0	ug/Kg
Q1514-01	ENV-105-SB01	SOIL	Butane, 2-methoxy-2-methyl-	*	1,100.000	J	0	0	ug/Kg
Q1514-01	ENV-105-SB01	SOIL	Dibenzothiophene	*	74.800	J	0	0	ug/Kg
Q1514-01	ENV-105-SB01	SOIL	Dodecane, 2-methyl-6-propyl-	*	78.500	J	0	0	ug/Kg
Q1514-01	ENV-105-SB01	SOIL	Eicosane	*	130.000	J	0	0	ug/Kg
Q1514-01	ENV-105-SB01	SOIL	Tetracosane	*	100.000	J	0	0	ug/Kg
Q1514-01	ENV-105-SB01	SOIL	Heneicosane	*	290.000	J	0	0	ug/Kg
Q1514-01	ENV-105-SB01	SOIL	Heptadecane	*	110.000	J	0	0	ug/Kg
Q1514-01	ENV-105-SB01	SOIL	n-Hexadecanoic acid	*	320.000	J	0	0	ug/Kg
Q1514-01	ENV-105-SB01	SOIL	Pentacosane	*	180.000	J	0	0	ug/Kg
			Total Tics :		**2,633.30**				
			Total Concentration:		**4,083.30**				
Client ID :	**ENV-105-SB02**								
Q1514-03	ENV-105-SB02	SOIL	Benzophenone	*	380.000	J	0	0	ug/Kg
Q1514-03	ENV-105-SB02	SOIL	Hexatriacontyl pentafluoropropior	*	97.000	J	0	0	ug/Kg
Q1514-03	ENV-105-SB02	SOIL	n-Hexadecanoic acid	*	180.000	J	0	0	ug/Kg
			Total Tics :		**657.00**				
			Total Concentration:		**657.00**				
Client ID :	**ENV-103-SB01**								
Q1514-05	ENV-103-SB01	SOIL	Phenanthrene		100.000	J	94.2	190	ug/Kg
Q1514-05	ENV-103-SB01	SOIL	Fluoranthene		120.000	J	91.6	190	ug/Kg
Q1514-05	ENV-103-SB01	SOIL	Pyrene		110.000	J	93	190	ug/Kg
			Total Svoc :		**330.00**				
Q1514-05	ENV-103-SB01	SOIL	1,4-Benzenedicarboxylic acid, bis	*	1,900.000	J	0	0	ug/Kg
Q1514-05	ENV-103-SB01	SOIL	1-Heneicosanol	*	220.000	J	0	0	ug/Kg
Q1514-05	ENV-103-SB01	SOIL	Benzo[e]pyrene	*	92.300	J	0	0	ug/Kg
Q1514-05	ENV-103-SB01	SOIL	Benzophenone	*	260.000	J	0	0	ug/Kg
Q1514-05	ENV-103-SB01	SOIL	Butane, 2-methoxy-2-methyl-	*	1,300.000	J	0	0	ug/Kg
Q1514-05	ENV-103-SB01	SOIL	Heneicosane	*	82.200	J	0	0	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: Q1514

Client: Portal Partners Tri-Venture

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q1514-05	ENV-103-SB01	SOIL	Hexacosane	*	160.000	J	0	0	ug/Kg
Q1514-05	ENV-103-SB01	SOIL	n-Hexadecanoic acid	*	1,100.000	J	0	0	ug/Kg
Q1514-05	ENV-103-SB01	SOIL	Octacosane	*	120.000	J	0	0	ug/Kg
Q1514-05	ENV-103-SB01	SOIL	Octadecanoic acid	*	1,400.000	J	0	0	ug/Kg
			Total Tics :		**6,634.50**				
			Total Concentration:		**6,964.50**				
Client ID :	**ENV-105-GW01**								
Q1514-07	ENV-105-GW01	WATER	Caprolactam		33.200		2.1	12.5	ug/L
			Total Svoc :		**33.20**				
Q1514-07	ENV-105-GW01	WATER	1-Isobutoxy-2-ethylhexane	*	11.700	J	0	0	ug/L
Q1514-07	ENV-105-GW01	WATER	Adipic acid, butyl 4-heptyl ester	*	28.200	J	0	0	ug/L
Q1514-07	ENV-105-GW01	WATER	Benzophenone	*	2.600	J	0	0	ug/L
Q1514-07	ENV-105-GW01	WATER	Hexanoic acid, 2-ethyl-	*	3.500	J	0	0	ug/L
Q1514-07	ENV-105-GW01	WATER	n-Hexadecanoic acid	*	3.600	J	0	0	ug/L
			Total Tics :		**49.60**				
			Total Concentration:		**82.80**				
Client ID :	**ENV-103-GW01**								
Q1514-08	ENV-103-GW01	WATER	Benzophenone	*	4.200	J	0	0	ug/L
Q1514-08	ENV-103-GW01	WATER	Dimethyl trisulfide	*	3.000	J	0	0	ug/L
Q1514-08	ENV-103-GW01	WATER	Disulfide, dimethyl	*	4.200	J	0	0	ug/L
Q1514-08	ENV-103-GW01	WATER	n-Hexadecanoic acid	*	3.600	J	0	0	ug/L
Q1514-08	ENV-103-GW01	WATER	n-Tetracosanol-1	*	3.600	J	0	0	ug/L
			Total Tics :		**18.60**				
			Total Concentration:		**18.60**				
Client ID :	**FB03062025**								
Q1514-09	FB03062025	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	8.200	A	0	0	ug/L
			Total Tics :		**8.20**				
			Total Concentration:		**8.20**				

QC SUMMARY

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

SW-846

SDG No.: Q1514

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB167027BL	PB167027BL	2-Fluorophenol	150	142	95		15 (10)	110 (139)
		Phenol-d6	150	136	90		15 (10)	110 (134)
		Nitrobenzene-d5	100	95.9	96		30 (49)	130 (133)
		2-Fluorobiphenyl	100	88.6	89		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	145	97		15 (44)	110 (137)
		Terphenyl-d14	100	92.7	93		30 (48)	130 (125)
PB167027BS	PB167027BS	2-Fluorophenol	150	140	93		15 (10)	110 (139)
		Phenol-d6	150	137	91		15 (10)	110 (134)
		Nitrobenzene-d5	100	94.3	94		30 (49)	130 (133)
		2-Fluorobiphenyl	100	86.1	86		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	148	99		15 (44)	110 (137)
		Terphenyl-d14	100	93.5	93		30 (48)	130 (125)
PB167027BSD	PB167027BSD	2-Fluorophenol	150	129	86		15 (10)	110 (139)
		Phenol-d6	150	126	84		15 (10)	110 (134)
		Nitrobenzene-d5	100	87.2	87		30 (49)	130 (133)
		2-Fluorobiphenyl	100	77.7	78		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	134	89		15 (44)	110 (137)
		Terphenyl-d14	100	86.3	86		30 (48)	130 (125)
Q1514-07	ENV-105-GW01	2-Fluorophenol	150	74.4	50		15 (10)	110 (139)
		Phenol-d6	150	49.1	33		15 (10)	110 (134)
		Nitrobenzene-d5	100	91.9	92		30 (49)	130 (133)
		2-Fluorobiphenyl	100	83.9	84		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	142	95		15 (44)	110 (137)
		Terphenyl-d14	100	84.8	85		30 (48)	130 (125)
Q1514-08	ENV-103-GW01	2-Fluorophenol	150	34.1	23		15 (10)	110 (139)
		Phenol-d6	150	23.9	16		15 (10)	110 (134)
		Nitrobenzene-d5	100	90.0	90		30 (49)	130 (133)
		2-Fluorobiphenyl	100	80.3	80		30 (52)	130 (132)
		2,4,6-Tribromophenol	150	84.2	56		15 (44)	110 (137)
		Terphenyl-d14	100	81.2	81		30 (48)	130 (125)
Q1514-09	FB03062025	2-Fluorophenol	75	38.5	51		15 (10)	110 (139)
		Phenol-d6	75	27.0	36		15 (10)	110 (134)
		Nitrobenzene-d5	50	39.6	79		30 (49)	130 (133)
		2-Fluorobiphenyl	50	36.1	72		30 (52)	130 (132)
		2,4,6-Tribromophenol	75	63.0	84		15 (44)	110 (137)
		Terphenyl-d14	50	39.8	80		30 (48)	130 (125)

( ) = LABORATORY INHOUSE LIMIT

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Surrogate Summary

SW-846

SDG No.: Q1514

Client: Portal Partners Tri-Venture

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB167031BL	PB167031BL	2-Fluorophenol	150	140	93		30 (18)	130 (112)
		Phenol-d6	150	134	89		30 (15)	130 (107)
		Nitrobenzene-d5	100	98.5	99		30 (18)	130 (107)
		2-Fluorobiphenyl	100	94.1	94		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	151	100		30 (10)	130 (116)
		Terphenyl-d14	100	100	100		30 (10)	130 (105)
PB167031BS	PB167031BS	2-Fluorophenol	150	132	88		30 (18)	130 (112)
		Phenol-d6	150	128	85		30 (15)	130 (107)
		Nitrobenzene-d5	100	87.2	87		30 (18)	130 (107)
		2-Fluorobiphenyl	100	83.6	84		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	140	94		30 (10)	130 (116)
		Terphenyl-d14	100	88.3	88		30 (10)	130 (105)
Q1514-01	ENV-105-SB01	2-Fluorophenol	150	82.8	55		30 (18)	130 (112)
		Phenol-d6	150	78.2	52		30 (15)	130 (107)
		Nitrobenzene-d5	100	55.9	56		30 (18)	130 (107)
		2-Fluorobiphenyl	100	58.6	59		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	66.9	45		30 (10)	130 (116)
		Terphenyl-d14	100	45.0	45		30 (10)	130 (105)
Q1514-03	ENV-105-SB02	2-Fluorophenol	150	106	71		30 (18)	130 (112)
		Phenol-d6	150	102	68		30 (15)	130 (107)
		Nitrobenzene-d5	100	69.0	69		30 (18)	130 (107)
		2-Fluorobiphenyl	100	66.0	66		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	118	79		30 (10)	130 (116)
		Terphenyl-d14	100	64.2	64		30 (10)	130 (105)
Q1514-03MS	ENV-105-SB02MS	2-Fluorophenol	150	96.0	64		30 (18)	130 (112)
		Phenol-d6	150	94.7	63		30 (15)	130 (107)
		Nitrobenzene-d5	100	61.1	61		30 (18)	130 (107)
		2-Fluorobiphenyl	100	56.8	57		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	99.5	66		30 (10)	130 (116)
		Terphenyl-d14	100	55.2	55		30 (10)	130 (105)
Q1514-03MSD	ENV-105-SB02MSD	2-Fluorophenol	150	91.3	61		30 (18)	130 (112)
		Phenol-d6	150	90.9	61		30 (15)	130 (107)
		Nitrobenzene-d5	100	62.5	63		30 (18)	130 (107)
		2-Fluorobiphenyl	100	56.4	56		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	102	68		30 (10)	130 (116)
		Terphenyl-d14	100	55.9	56		30 (10)	130 (105)
Q1514-05	ENV-103-SB01	2-Fluorophenol	150	85.2	57		30 (18)	130 (112)
		Phenol-d6	150	83.6	56		30 (15)	130 (107)
		Nitrobenzene-d5	100	60.1	60		30 (18)	130 (107)
		2-Fluorobiphenyl	100	59.9	60		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	86.2	57		30 (10)	130 (116)
		Terphenyl-d14	100	55.7	56		30 (10)	130 (105)

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Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1514

Client: Portal Partners Tri-Venture

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1514-03MS		**Client Sample ID: ENV-105-SB02MS**						**DataFile: BG064066.D**			
Benzaldehyde	2100	0	830	ug/Kg	40				20 (10)	160 (86)	
Phenol	2100	0	2000	ug/Kg	95				20 (67)	160 (126)	
bis(2-Chloroethyl)ether	2100	0	1600	ug/Kg	76				70 (54)	130 (125)	
2-Chlorophenol	2100	0	1800	ug/Kg	86				70 (79)	130 (107)	
2-Methylphenol	2100	0	2000	ug/Kg	95				70 (66)	130 (122)	
2,2-oxybis(1-Chloropropane)	2100	0	1800	ug/Kg	86				70 (65)	130 (110)	
Acetophenone	2100	0	1800	ug/Kg	86				70 (75)	130 (111)	
3+4-Methylphenols	2100	0	1900	ug/Kg	90				20 (66)	160 (104)	
N-Nitroso-di-n-propylamine	2100	0	1700	ug/Kg	81				70 (59)	130 (119)	
Hexachloroethane	2100	0	1800	ug/Kg	86				20 (65)	160 (117)	
Nitrobenzene	2100	0	1800	ug/Kg	86				70 (70)	130 (119)	
Isophorone	2100	0	1800	ug/Kg	86				70 (76)	130 (122)	
2-Nitrophenol	2100	0	1900	ug/Kg	90				70 (54)	130 (145)	
2,4-Dimethylphenol	2100	0	2400	ug/Kg	114				70 (44)	130 (135)	
bis(2-Chloroethoxy)methane	2100	0	1700	ug/Kg	81				70 (68)	130 (112)	
2,4-Dichlorophenol	2100	0	1900	ug/Kg	90				70 (72)	130 (118)	
Naphthalene	2100	0	1700	ug/Kg	81				70 (72)	130 (110)	
4-Chloroaniline	2100	0	430	ug/Kg	20	*			70 (10)	130 (91)	
Hexachlorobutadiene	2100	0	1700	ug/Kg	81				70 (66)	130 (114)	
Caprolactam	2100	0	2000	ug/Kg	95				20 (51)	160 (134)	
4-Chloro-3-methylphenol	2100	0	1900	ug/Kg	90				70 (57)	130 (132)	
2-Methylnaphthalene	2100	0	1600	ug/Kg	76				70 (59)	130 (123)	
Hexachlorocyclopentadiene	4100	0	6900	ug/Kg	168	*			20 (10)	160 (175)	
2,4,6-Trichlorophenol	2100	0	1900	ug/Kg	90				70 (72)	130 (117)	
2,4,5-Trichlorophenol	2100	0	1900	ug/Kg	90				70 (72)	130 (117)	
1,1-Biphenyl	2100	0	1900	ug/Kg	90				70 (75)	130 (113)	
2-Chloronaphthalene	2100	0	1700	ug/Kg	81				70 (67)	130 (118)	
2-Nitroaniline	2100	0	1800	ug/Kg	86				70 (69)	130 (127)	
Dimethylphthalate	2100	0	1700	ug/Kg	81				70 (70)	130 (113)	
Acenaphthylene	2100	0	1800	ug/Kg	86				70 (79)	130 (118)	
2,6-Dinitrotoluene	2100	0	1700	ug/Kg	81				70 (70)	130 (125)	
3-Nitroaniline	2100	0	780	ug/Kg	37	*			70 (30)	130 (99)	
Acenaphthene	2100	0	1700	ug/Kg	81				70 (70)	130 (121)	
2,4-Dinitrophenol	4100	0	3800	ug/Kg	93				20 (10)	160 (155)	
4-Nitrophenol	4100	0	4200	ug/Kg	102				20 (45)	160 (133)	
Dibenzofuran	2100	0	1600	ug/Kg	76				70 (72)	130 (110)	
2,4-Dinitrotoluene	2100	0	1800	ug/Kg	86				70 (55)	130 (128)	
Diethylphthalate	2100	0	1700	ug/Kg	81				70 (70)	130 (112)	
4-Chlorophenyl-phenylether	2100	0	1700	ug/Kg	81				70 (71)	130 (108)	
Fluorene	2100	0	1700	ug/Kg	81				70 (68)	130 (116)	
4-Nitroaniline	2100	0	1800	ug/Kg	86				70 (55)	130 (120)	
4,6-Dinitro-2-methylphenol	2100	0	1900	ug/Kg	90				70 (10)	130 (160)	
N-Nitrosodiphenylamine	2100	0	1800	ug/Kg	86				70 (73)	130 (118)	
4-Bromophenyl-phenylether	2100	0	1800	ug/Kg	86				70 (65)	130 (121)	
Hexachlorobenzene	2100	0	1700	ug/Kg	81				70 (67)	130 (118)	
Atrazine	2100	0	2600	ug/Kg	124				70 (79)	130 (127)	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1514

Client: Portal Partners Tri-Venture

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	4100	0	3800	ug/Kg	93				20 (47)	160 (128)	
Phenanthrene	2100	0	1800	ug/Kg	86				70 (52)	130 (128)	
Anthracene	2100	0	1800	ug/Kg	86				70 (62)	130 (124)	
Carbazole	2100	0	1700	ug/Kg	81				70 (59)	130 (119)	
Di-n-butylphthalate	2100	0	1800	ug/Kg	86				70 (69)	130 (118)	
Fluoranthene	2100	0	1700	ug/Kg	81				70 (44)	130 (125)	
Pyrene	2100	0	1700	ug/Kg	81				70 (26)	130 (142)	
Butylbenzylphthalate	2100	0	1900	ug/Kg	90				70 (64)	130 (126)	
3,3-Dichlorobenzidine	2100	0	820	ug/Kg	39	*			70 (33)	130 (116)	
Benzo(a)anthracene	2100	0	1800	ug/Kg	86				70 (71)	130 (114)	
Chrysene	2100	0	1700	ug/Kg	81				70 (57)	130 (121)	
bis(2-Ethylhexyl)phthalate	2100	0	2000	ug/Kg	95				70 (42)	130 (169)	
Di-n-octyl phthalate	2100	0	2000	ug/Kg	95				70 (23)	130 (175)	
Benzo(b)fluoranthene	2100	0	1700	ug/Kg	81				70 (67)	130 (121)	
Benzo(k)fluoranthene	2100	0	1700	ug/Kg	81				70 (57)	130 (134)	
Benzo(a)pyrene	2100	0	1800	ug/Kg	86				70 (70)	130 (142)	
Indeno(1,2,3-cd)pyrene	2100	0	1800	ug/Kg	86				70 (40)	130 (129)	
Dibenz(a,h)anthracene	2100	0	1800	ug/Kg	86				70 (43)	130 (123)	
Benzo(g,h,i)perylene	2100	0	1700	ug/Kg	81				70 (24)	130 (125)	
1,2,4,5-Tetrachlorobenzene	2100	0	1800	ug/Kg	86				70 (69)	130 (124)	
1,4-Dioxane	2100	0	1700	ug/Kg	81				20 (46)	160 (112)	
2,3,4,6-Tetrachlorophenol	2100	0	1900	ug/Kg	90				70 (69)	130 (112)	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1514

Client: Portal Partners Tri-Venture

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1514-03MSD		**Client Sample ID: ENV-105-SB02MSD**						**DataFile: BG064067.D**			
Benzaldehyde	2100	0	830	ug/Kg	40		0		20 (10)	160 (86)	30 (20)
Phenol	2100	0	1900	ug/Kg	90		5		20 (67)	160 (126)	30 (20)
bis(2-Chloroethyl)ether	2100	0	1600	ug/Kg	76		0		70 (54)	130 (125)	30 (20)
2-Chlorophenol	2100	0	1800	ug/Kg	86		0		70 (79)	130 (107)	30 (20)
2-Methylphenol	2100	0	1900	ug/Kg	90		5		70 (66)	130 (122)	30 (20)
2,2-oxybis(1-Chloropropane)	2100	0	1700	ug/Kg	81		6		70 (65)	130 (110)	30 (20)
Acetophenone	2100	0	1800	ug/Kg	86		0		70 (75)	130 (111)	30 (20)
3+4-Methylphenols	2100	0	1900	ug/Kg	90		0		20 (66)	160 (104)	30 (20)
N-Nitroso-di-n-propylamine	2100	0	1700	ug/Kg	81		0		70 (59)	130 (119)	30 (20)
Hexachloroethane	2100	0	1800	ug/Kg	86		0		20 (65)	160 (117)	30 (20)
Nitrobenzene	2100	0	1800	ug/Kg	86		0		70 (70)	130 (119)	30 (20)
Isophorone	2100	0	1800	ug/Kg	86		0		70 (76)	130 (122)	30 (20)
2-Nitrophenol	2100	0	2000	ug/Kg	95		5		70 (54)	130 (145)	30 (20)
2,4-Dimethylphenol	2100	0	2400	ug/Kg	114		0		70 (44)	130 (135)	30 (20)
bis(2-Chloroethoxy)methane	2100	0	1700	ug/Kg	81		0		70 (68)	130 (112)	30 (20)
2,4-Dichlorophenol	2100	0	2000	ug/Kg	95		5		70 (72)	130 (118)	30 (20)
Naphthalene	2100	0	1700	ug/Kg	81		0		70 (72)	130 (110)	30 (20)
4-Chloroaniline	2100	0	480	ug/Kg	23	*	14		70 (10)	130 (91)	30 (20)
Hexachlorobutadiene	2100	0	1700	ug/Kg	81		0		70 (66)	130 (114)	30 (20)
Caprolactam	2100	0	2100	ug/Kg	100		5		20 (51)	160 (134)	30 (20)
4-Chloro-3-methylphenol	2100	0	1900	ug/Kg	90		0		70 (57)	130 (132)	30 (20)
2-Methylnaphthalene	2100	0	1700	ug/Kg	81		6		70 (59)	130 (123)	30 (20)
Hexachlorocyclopentadiene	4100	0	6600	ug/Kg	161	*	4		20 (10)	160 (175)	30 (20)
2,4,6-Trichlorophenol	2100	0	2000	ug/Kg	95		5		70 (72)	130 (117)	30 (20)
2,4,5-Trichlorophenol	2100	0	1900	ug/Kg	90		0		70 (72)	130 (117)	30 (20)
1,1-Biphenyl	2100	0	1800	ug/Kg	86		5		70 (75)	130 (113)	30 (20)
2-Chloronaphthalene	2100	0	1700	ug/Kg	81		0		70 (67)	130 (118)	30 (20)
2-Nitroaniline	2100	0	1900	ug/Kg	90		5		70 (69)	130 (127)	30 (20)
Dimethylphthalate	2100	0	1700	ug/Kg	81		0		70 (70)	130 (113)	30 (20)
Acenaphthylene	2100	0	1800	ug/Kg	86		0		70 (79)	130 (118)	30 (20)
2,6-Dinitrotoluene	2100	0	1700	ug/Kg	81		0		70 (70)	130 (125)	30 (20)
3-Nitroaniline	2100	0	850	ug/Kg	40	*	8		70 (30)	130 (99)	30 (20)
Acenaphthene	2100	0	1700	ug/Kg	81		0		70 (70)	130 (121)	30 (20)
2,4-Dinitrophenol	4100	0	4100	ug/Kg	100		7		20 (10)	160 (155)	30 (20)
4-Nitrophenol	4100	0	4200	ug/Kg	102		0		20 (45)	160 (133)	30 (20)
Dibenzofuran	2100	0	1600	ug/Kg	76		0		70 (72)	130 (110)	30 (20)
2,4-Dinitrotoluene	2100	0	1900	ug/Kg	90		5		70 (55)	130 (128)	30 (20)
Diethylphthalate	2100	0	1700	ug/Kg	81		0		70 (70)	130 (112)	30 (20)
4-Chlorophenyl-phenylether	2100	0	1700	ug/Kg	81		0		70 (71)	130 (108)	30 (20)
Fluorene	2100	0	1700	ug/Kg	81		0		70 (68)	130 (116)	30 (20)
4-Nitroaniline	2100	0	1800	ug/Kg	86		0		70 (55)	130 (120)	30 (20)
4,6-Dinitro-2-methylphenol	2100	0	1900	ug/Kg	90		0		70 (10)	130 (160)	30 (20)
N-Nitrosodiphenylamine	2100	0	1800	ug/Kg	86		0		70 (73)	130 (118)	30 (20)
4-Bromophenyl-phenylether	2100	0	1800	ug/Kg	86		0		70 (65)	130 (121)	30 (20)
Hexachlorobenzene	2100	0	1700	ug/Kg	81		0		70 (67)	130 (118)	30 (20)
Atrazine	2100	0	2600	ug/Kg	124		0		70 (79)	130 (127)	30 (20)

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1514

Client: Portal Partners Tri-Venture

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Pentachlorophenol	4100	0	3800	ug/Kg	93		0		20 (47)	160 (128)	30 (20)
Phenanthrene	2100	0	1800	ug/Kg	86		0		70 (52)	130 (128)	30 (20)
Anthracene	2100	0	1800	ug/Kg	86		0		70 (62)	130 (124)	30 (20)
Carbazole	2100	0	1700	ug/Kg	81		0		70 (59)	130 (119)	30 (20)
Di-n-butylphthalate	2100	0	1800	ug/Kg	86		0		70 (69)	130 (118)	30 (20)
Fluoranthene	2100	0	1700	ug/Kg	81		0		70 (44)	130 (125)	30 (20)
Pyrene	2100	0	1800	ug/Kg	86		6		70 (26)	130 (142)	30 (20)
Butylbenzylphthalate	2100	0	1900	ug/Kg	90		0		70 (64)	130 (126)	30 (20)
3,3-Dichlorobenzidine	2100	0	830	ug/Kg	40	*	3		70 (33)	130 (116)	30 (20)
Benzo(a)anthracene	2100	0	1800	ug/Kg	86		0		70 (71)	130 (114)	30 (20)
Chrysene	2100	0	1700	ug/Kg	81		0		70 (57)	130 (121)	30 (20)
bis(2-Ethylhexyl)phthalate	2100	0	2000	ug/Kg	95		0		70 (42)	130 (169)	30 (20)
Di-n-octyl phthalate	2100	0	2000	ug/Kg	95		0		70 (23)	130 (175)	30 (20)
Benzo(b)fluoranthene	2100	0	1700	ug/Kg	81		0		70 (67)	130 (121)	30 (20)
Benzo(k)fluoranthene	2100	0	1700	ug/Kg	81		0		70 (57)	130 (134)	30 (20)
Benzo(a)pyrene	2100	0	1800	ug/Kg	86		0		70 (70)	130 (142)	30 (20)
Indeno(1,2,3-cd)pyrene	2100	0	1800	ug/Kg	86		0		70 (40)	130 (129)	30 (20)
Dibenz(a,h)anthracene	2100	0	1800	ug/Kg	86		0		70 (43)	130 (123)	30 (20)
Benzo(g,h,i)perylene	2100	0	1700	ug/Kg	81		0		70 (24)	130 (125)	30 (20)
1,2,4,5-Tetrachlorobenzene	2100	0	1800	ug/Kg	86		0		70 (69)	130 (124)	30 (20)
1,4-Dioxane	2100	0	1700	ug/Kg	81		0		20 (46)	160 (112)	30 (20)
2,3,4,6-Tetrachlorophenol	2100	0	1900	ug/Kg	90		0		70 (69)	130 (112)	30 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1514

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BG064058.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167031BS	Benzaldehyde	1700	660	ug/Kg	39				20 (10)	160 (133)	
	Phenol	1700	1400	ug/Kg	82				20 (62)	160 (112)	
	bis(2-Chloroethyl)ether	1700	1300	ug/Kg	76				70 (60)	130 (101)	
	2-Chlorophenol	1700	1400	ug/Kg	82				70 (65)	130 (112)	
	2-Methylphenol	1700	1500	ug/Kg	88				70 (61)	130 (108)	
	2,2-oxybis(1-Chloropropane)	1700	1300	ug/Kg	76				70 (51)	130 (100)	
	Acetophenone	1700	1400	ug/Kg	82				70 (66)	130 (98)	
	3+4-Methylphenols	1700	1500	ug/Kg	88				20 (58)	160 (111)	
	N-Nitroso-di-n-propylamine	1700	1300	ug/Kg	76				70 (63)	130 (95)	
	Hexachloroethane	1700	1300	ug/Kg	76				20 (72)	160 (108)	
	Nitrobenzene	1700	1400	ug/Kg	82				70 (57)	130 (101)	
	Isophorone	1700	1400	ug/Kg	82				70 (59)	130 (99)	
	2-Nitrophenol	1700	1400	ug/Kg	82				70 (61)	130 (111)	
	2,4-Dimethylphenol	1700	1800	ug/Kg	106				70 (46)	130 (141)	
	bis(2-Chloroethoxy)methane	1700	1300	ug/Kg	76				70 (66)	130 (97)	
	2,4-Dichlorophenol	1700	1400	ug/Kg	82				70 (62)	130 (107)	
	Naphthalene	1700	1300	ug/Kg	76				70 (62)	130 (100)	
	4-Chloroaniline	1700	660	ug/Kg	39		*		70 (16)	130 (100)	
	Hexachlorobutadiene	1700	1300	ug/Kg	76				70 (53)	130 (98)	
	Caprolactam	1700	1600	ug/Kg	94				20 (67)	160 (110)	
	4-Chloro-3-methylphenol	1700	1400	ug/Kg	82				70 (58)	130 (112)	
	2-Methylnaphthalene	1700	1200	ug/Kg	71				70 (60)	130 (104)	
	Hexachlorocyclopentadiene	3300	4800	ug/Kg	145				20 (45)	160 (165)	
	2,4,6-Trichlorophenol	1700	1500	ug/Kg	88				70 (59)	130 (102)	
	2,4,5-Trichlorophenol	1700	1500	ug/Kg	88				70 (61)	130 (98)	
	1,1-Biphenyl	1700	1500	ug/Kg	88				70 (57)	130 (103)	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				70 (58)	130 (99)	
	2-Nitroaniline	1700	1400	ug/Kg	82				70 (66)	130 (101)	
	Dimethylphthalate	1700	1400	ug/Kg	82				70 (61)	130 (99)	
	Acenaphthylene	1700	1400	ug/Kg	82				70 (63)	130 (101)	
	2,6-Dinitrotoluene	1700	1400	ug/Kg	82				70 (61)	130 (104)	
	3-Nitroaniline	1700	870	ug/Kg	51		*		70 (28)	130 (100)	
	Acenaphthene	1700	1300	ug/Kg	76				70 (57)	130 (104)	
	2,4-Dinitrophenol	3300	2800	ug/Kg	85				20 (37)	160 (128)	
	4-Nitrophenol	3300	3200	ug/Kg	97				20 (48)	160 (119)	
	Dibenzofuran	1700	1300	ug/Kg	76				70 (63)	130 (99)	
	2,4-Dinitrotoluene	1700	1400	ug/Kg	82				70 (60)	130 (106)	
	Diethylphthalate	1700	1300	ug/Kg	76				70 (60)	130 (101)	
	4-Chlorophenyl-phenylether	1700	1300	ug/Kg	76				70 (58)	130 (98)	
	Fluorene	1700	1300	ug/Kg	76				70 (61)	130 (101)	
	4-Nitroaniline	1700	1500	ug/Kg	88				70 (64)	130 (103)	
	4,6-Dinitro-2-methylphenol	1700	1400	ug/Kg	82				70 (76)	130 (113)	
	N-Nitrosodiphenylamine	1700	1400	ug/Kg	82				70 (71)	130 (99)	
	4-Bromophenyl-phenylether	1700	1300	ug/Kg	76				70 (66)	130 (102)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1514

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BG064058.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167031BS	Hexachlorobenzene	1700	1400	ug/Kg	82				70 (64)	130 (98)	
	Atrazine	1700	2100	ug/Kg	124				70 (47)	130 (152)	
	Pentachlorophenol	3300	2800	ug/Kg	85				20 (67)	160 (105)	
	Phenanthrene	1700	1400	ug/Kg	82				70 (59)	130 (103)	
	Anthracene	1700	1400	ug/Kg	82				70 (61)	130 (105)	
	Carbazole	1700	1400	ug/Kg	82				70 (61)	130 (99)	
	Di-n-butylphthalate	1700	1400	ug/Kg	82				70 (58)	130 (104)	
	Fluoranthene	1700	1300	ug/Kg	76				70 (57)	130 (107)	
	Pyrene	1700	1400	ug/Kg	82				70 (59)	130 (103)	
	Butylbenzylphthalate	1700	1400	ug/Kg	82				70 (55)	130 (103)	
	3,3-Dichlorobenzidine	1700	900	ug/Kg	53		*		70 (42)	130 (91)	
	Benzo(a)anthracene	1700	1400	ug/Kg	82				70 (60)	130 (102)	
	Chrysene	1700	1300	ug/Kg	76				70 (59)	130 (101)	
	bis(2-Ethylhexyl)phthalate	1700	1500	ug/Kg	88				70 (54)	130 (135)	
	Di-n-octyl phthalate	1700	1500	ug/Kg	88				70 (52)	130 (137)	
	Benzo(b)fluoranthene	1700	1300	ug/Kg	76				70 (62)	130 (109)	
	Benzo(k)fluoranthene	1700	1300	ug/Kg	76				70 (62)	130 (109)	
	Benzo(a)pyrene	1700	1400	ug/Kg	82				70 (63)	130 (103)	
	Indeno(1,2,3-cd)pyrene	1700	1400	ug/Kg	82				70 (63)	130 (101)	
	Dibenz(a,h)anthracene	1700	1400	ug/Kg	82				70 (61)	130 (112)	
	Benzo(g,h,i)perylene	1700	1300	ug/Kg	76				70 (70)	130 (108)	
	1,2,4,5-Tetrachlorobenzene	1700	1400	ug/Kg	82				70 (53)	130 (101)	
	1,4-Dioxane	1700	1300	ug/Kg	76				20 (50)	160 (96)	
	2,3,4,6-Tetrachlorophenol	1700	1400	ug/Kg	82				70 (59)	130 (108)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1514

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BG064060.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167027BS	Benzaldehyde	50	21.0	ug/L	42				20 (10)	160 (162)	
	Phenol	50	45.7	ug/L	91				20 (66)	160 (118)	
	bis(2-Chloroethyl)ether	50	39.5	ug/L	79				70 (62)	130 (103)	
	2-Chlorophenol	50	44.0	ug/L	88				70 (70)	130 (117)	
	2-Methylphenol	50	47.8	ug/L	96				70 (69)	130 (109)	
	2,2-oxybis(1-Chloropropane)	50	42.8	ug/L	86				70 (65)	130 (100)	
	Acetophenone	50	45.7	ug/L	91				70 (60)	130 (104)	
	3+4-Methylphenols	50	47.7	ug/L	95				20 (67)	160 (106)	
	N-Nitroso-di-n-propylamine	50	42.6	ug/L	85				70 (57)	130 (107)	
	Hexachloroethane	50	42.0	ug/L	84				20 (76)	160 (118)	
	Nitrobenzene	50	44.1	ug/L	88				70 (58)	130 (106)	
	Isophorone	50	43.7	ug/L	87				70 (61)	130 (102)	
	2-Nitrophenol	50	43.6	ug/L	87				70 (70)	130 (115)	
	2,4-Dimethylphenol	50	60.0	ug/L	120				70 (42)	130 (142)	
	bis(2-Chloroethoxy)methane	50	41.7	ug/L	83				70 (58)	130 (109)	
	2,4-Dichlorophenol	50	48.1	ug/L	96				70 (66)	130 (115)	
	Naphthalene	50	41.1	ug/L	82				70 (64)	130 (107)	
	4-Chloroaniline	50	18.1	ug/L	36		*		70 (10)	130 (85)	
	Hexachlorobutadiene	50	42.4	ug/L	85				70 (69)	130 (101)	
	Caprolactam	50	51.9	ug/L	104				20 (58)	160 (128)	
	4-Chloro-3-methylphenol	50	46.4	ug/L	93				70 (65)	130 (114)	
	2-Methylnaphthalene	50	40.9	ug/L	82				70 (64)	130 (107)	
	Hexachlorocyclopentadiene	100	160	ug/L	160				20 (36)	160 (160)	
	2,4,6-Trichlorophenol	50	47.8	ug/L	96				70 (61)	130 (110)	
	2,4,5-Trichlorophenol	50	48.4	ug/L	97				70 (70)	130 (106)	
	1,1-Biphenyl	50	45.3	ug/L	91				70 (72)	130 (98)	
	2-Chloronaphthalene	50	41.9	ug/L	84				70 (59)	130 (106)	
	2-Nitroaniline	50	44.1	ug/L	88				70 (73)	130 (114)	
	Dimethylphthalate	50	42.0	ug/L	84				70 (64)	130 (103)	
	Acenaphthylene	50	44.4	ug/L	89				70 (79)	130 (103)	
	2,6-Dinitrotoluene	50	42.8	ug/L	86				70 (64)	130 (110)	
	3-Nitroaniline	50	25.6	ug/L	51		*		70 (28)	130 (100)	
	Acenaphthene	50	42.0	ug/L	84				70 (59)	130 (113)	
	2,4-Dinitrophenol	100	88.1	ug/L	88				20 (36)	160 (166)	
	4-Nitrophenol	100	99.9	ug/L	100				20 (45)	160 (147)	
	Dibenzofuran	50	40.0	ug/L	80				70 (65)	130 (106)	
	2,4-Dinitrotoluene	50	45.0	ug/L	90				70 (60)	130 (115)	
	Diethylphthalate	50	42.1	ug/L	84				70 (63)	130 (105)	
	4-Chlorophenyl-phenylether	50	41.4	ug/L	83				70 (61)	130 (104)	
	Fluorene	50	41.7	ug/L	83				70 (64)	130 (107)	
	4-Nitroaniline	50	44.8	ug/L	90				70 (55)	130 (125)	
	4,6-Dinitro-2-methylphenol	50	44.5	ug/L	89				70 (62)	130 (132)	
	N-Nitrosodiphenylamine	50	43.6	ug/L	87				70 (61)	130 (109)	
	4-Bromophenyl-phenylether	50	43.7	ug/L	87				70 (73)	130 (103)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1514

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BG064060.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167027BS	Hexachlorobenzene	50	42.9	ug/L	86				70 (73)	130 (106)	
	Atrazine	50	65.3	ug/L	131		*		70 (76)	130 (120)	
	Pentachlorophenol	100	91.6	ug/L	92				20 (47)	160 (114)	
	Phenanthrene	50	43.2	ug/L	86				70 (62)	130 (109)	
	Anthracene	50	44.6	ug/L	89				70 (65)	130 (110)	
	Carbazole	50	42.6	ug/L	85				70 (62)	130 (106)	
	Di-n-butylphthalate	50	44.0	ug/L	88				70 (64)	130 (106)	
	Fluoranthene	50	41.4	ug/L	83				70 (64)	130 (110)	
	Pyrene	50	43.6	ug/L	87				70 (71)	130 (103)	
	Butylbenzylphthalate	50	44.8	ug/L	90				70 (61)	130 (105)	
	3,3-Dichlorobenzidine	50	28.9	ug/L	58		*		70 (43)	130 (108)	
	Benzo(a)anthracene	50	44.6	ug/L	89				70 (62)	130 (107)	
	Chrysene	50	43.2	ug/L	86				70 (61)	130 (108)	
	bis(2-Ethylhexyl)phthalate	50	48.2	ug/L	96				70 (59)	130 (110)	
	Di-n-octyl phthalate	50	47.6	ug/L	95				70 (52)	130 (139)	
	Benzo(b)fluoranthene	50	42.4	ug/L	85				70 (77)	130 (113)	
	Benzo(k)fluoranthene	50	43.2	ug/L	86				70 (77)	130 (105)	
	Benzo(a)pyrene	50	45.7	ug/L	91				70 (72)	130 (131)	
	Indeno(1,2,3-cd)pyrene	50	45.3	ug/L	91				70 (72)	130 (105)	
	Dibenz(a,h)anthracene	50	44.6	ug/L	89				70 (78)	130 (115)	
	Benzo(g,h,i)perylene	50	41.6	ug/L	83				70 (75)	130 (118)	
	1,2,4,5-Tetrachlorobenzene	50	44.5	ug/L	89				70 (72)	130 (101)	
	1,4-Dioxane	50	38.2	ug/L	76				20 (38)	160 (125)	
	2,3,4,6-Tetrachlorophenol	50	46.9	ug/L	94				70 (63)	130 (116)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1514

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BG064061.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167027BSD	Benzaldehyde	50	19.9	ug/L	40	5			20 (10)	160 (162)	20 (20)
	Phenol	50	42.3	ug/L	85	8			20 (66)	160 (118)	20 (20)
	bis(2-Chloroethyl)ether	50	38.5	ug/L	77	3			70 (62)	130 (103)	20 (20)
	2-Chlorophenol	50	40.4	ug/L	81	9			70 (70)	130 (117)	20 (20)
	2-Methylphenol	50	43.9	ug/L	88	9			70 (69)	130 (109)	20 (20)
	2,2-oxybis(1-Chloropropane)	50	39.3	ug/L	79	9			70 (65)	130 (100)	20 (20)
	Acetophenone	50	41.5	ug/L	83	10			70 (60)	130 (104)	20 (20)
	3+4-Methylphenols	50	43.2	ug/L	86	10			20 (67)	160 (106)	20 (20)
	N-Nitroso-di-n-propylamine	50	39.9	ug/L	80	7			70 (57)	130 (107)	20 (20)
	Hexachloroethane	50	40.6	ug/L	81	3			20 (76)	160 (118)	20 (20)
	Nitrobenzene	50	40.7	ug/L	81	8			70 (58)	130 (106)	20 (20)
	Isophorone	50	39.3	ug/L	79	11			70 (61)	130 (102)	20 (20)
	2-Nitrophenol	50	42.1	ug/L	84	4			70 (70)	130 (115)	20 (20)
	2,4-Dimethylphenol	50	53.9	ug/L	108	11			70 (42)	130 (142)	20 (20)
	bis(2-Chloroethoxy)methane	50	38.7	ug/L	77	7			70 (58)	130 (109)	20 (20)
	2,4-Dichlorophenol	50	43.5	ug/L	87	10			70 (66)	130 (115)	20 (20)
	Naphthalene	50	37.0	ug/L	74	10			70 (64)	130 (107)	20 (20)
	4-Chloroaniline	50	17.5	ug/L	35	3	*		70 (10)	130 (85)	20 (20)
	Hexachlorobutadiene	50	38.7	ug/L	77	9			70 (69)	130 (101)	20 (20)
	Caprolactam	50	46.6	ug/L	93	11			20 (58)	160 (128)	20 (20)
	4-Chloro-3-methylphenol	50	41.9	ug/L	84	10			70 (65)	130 (114)	20 (20)
	2-Methylnaphthalene	50	37.4	ug/L	75	9			70 (64)	130 (107)	20 (20)
	Hexachlorocyclopentadiene	100	140	ug/L	140	13			20 (36)	160 (160)	20 (20)
	2,4,6-Trichlorophenol	50	41.2	ug/L	82	15			70 (61)	130 (110)	20 (20)
	2,4,5-Trichlorophenol	50	42.6	ug/L	85	13			70 (70)	130 (106)	20 (20)
	1,1-Biphenyl	50	40.4	ug/L	81	11			70 (72)	130 (98)	20 (20)
	2-Chloronaphthalene	50	37.2	ug/L	74	12			70 (59)	130 (106)	20 (20)
	2-Nitroaniline	50	42.6	ug/L	85	3			70 (73)	130 (114)	20 (20)
	Dimethylphthalate	50	38.1	ug/L	76	10			70 (64)	130 (103)	20 (20)
	Acenaphthylene	50	39.7	ug/L	79	11			70 (79)	130 (103)	20 (20)
	2,6-Dinitrotoluene	50	38.7	ug/L	77	10			70 (64)	130 (110)	20 (20)
	3-Nitroaniline	50	22.7	ug/L	45	12	*		70 (28)	130 (100)	20 (20)
	Acenaphthene	50	37.1	ug/L	74	12			70 (59)	130 (113)	20 (20)
	2,4-Dinitrophenol	100	86.0	ug/L	86	2			20 (36)	160 (166)	20 (20)
	4-Nitrophenol	100	90.4	ug/L	90	10			20 (45)	160 (147)	20 (20)
	Dibenzofuran	50	35.9	ug/L	72	11			70 (65)	130 (106)	20 (20)
	2,4-Dinitrotoluene	50	41.3	ug/L	83	9			70 (60)	130 (115)	20 (20)
	Diethylphthalate	50	37.5	ug/L	75	12			70 (63)	130 (105)	20 (20)
	4-Chlorophenyl-phenylether	50	36.9	ug/L	74	11			70 (61)	130 (104)	20 (20)
	Fluorene	50	37.6	ug/L	75	10			70 (64)	130 (107)	20 (20)
	4-Nitroaniline	50	39.1	ug/L	78	14			70 (55)	130 (125)	20 (20)
	4,6-Dinitro-2-methylphenol	50	42.1	ug/L	84	6			70 (62)	130 (132)	20 (20)
	N-Nitrosodiphenylamine	50	40.7	ug/L	81	7			70 (61)	130 (109)	20 (20)
	4-Bromophenyl-phenylether	50	40.4	ug/L	81	8			70 (73)	130 (103)	20 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1514

Client: Portal Partners Tri-Venture

Analytical Method: 8270E **DataFile:** BG064061.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167027BSD	Hexachlorobenzene	50	40.5	ug/L	81	6			70 (73)	130 (106)	20 (20)
	Atrazine	50	60.5	ug/L	121	8			70 (76)	130 (120)	20 (20)
	Pentachlorophenol	100	83.0	ug/L	83	10			20 (47)	160 (114)	20 (20)
	Phenanthrene	50	40.1	ug/L	80	7			70 (62)	130 (109)	20 (20)
	Anthracene	50	41.1	ug/L	82	8			70 (65)	130 (110)	20 (20)
	Carbazole	50	40.2	ug/L	80	6			70 (62)	130 (106)	20 (20)
	Di-n-butylphthalate	50	41.2	ug/L	82	7			70 (64)	130 (106)	20 (20)
	Fluoranthene	50	38.6	ug/L	77	7			70 (64)	130 (110)	20 (20)
	Pyrene	50	39.7	ug/L	79	9			70 (71)	130 (103)	20 (20)
	Butylbenzylphthalate	50	41.5	ug/L	83	8			70 (61)	130 (105)	20 (20)
	3,3-Dichlorobenzidine	50	26.6	ug/L	53	8	*		70 (43)	130 (108)	20 (20)
	Benzo(a)anthracene	50	40.2	ug/L	80	10			70 (62)	130 (107)	20 (20)
	Chrysene	50	39.0	ug/L	78	10			70 (61)	130 (108)	20 (20)
	bis(2-Ethylhexyl)phthalate	50	44.0	ug/L	88	9			70 (59)	130 (110)	20 (20)
	Di-n-octyl phthalate	50	43.4	ug/L	87	9			70 (52)	130 (139)	20 (20)
	Benzo(b)fluoranthene	50	39.1	ug/L	78	8			70 (77)	130 (113)	20 (20)
	Benzo(k)fluoranthene	50	39.6	ug/L	79	9			70 (77)	130 (105)	20 (20)
	Benzo(a)pyrene	50	41.6	ug/L	83	9			70 (72)	130 (131)	20 (20)
	Indeno(1,2,3-cd)pyrene	50	42.1	ug/L	84	7			70 (72)	130 (105)	20 (20)
	Dibenz(a,h)anthracene	50	42.1	ug/L	84	6			70 (78)	130 (115)	20 (20)
	Benzo(g,h,i)perylene	50	38.2	ug/L	76	9			70 (75)	130 (118)	20 (20)
	1,2,4,5-Tetrachlorobenzene	50	39.4	ug/L	79	12			70 (72)	130 (101)	20 (20)
	1,4-Dioxane	50	35.1	ug/L	70	8			20 (38)	160 (125)	20 (20)
	2,3,4,6-Tetrachlorophenol	50	42.6	ug/L	85	10			70 (63)	130 (116)	20 (20)

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167027BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG NO.: Q1514

Lab File ID: BG064059.D Lab Sample ID: PB167027BL

Instrument ID: BNA_G Date Extracted: 03/07/2025

Matrix: (soil/water) Water Date Analyzed: 03/07/2025

Level: (low/med) LOW Time Analyzed: 14:58

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167027BS	PB167027BS	BG064060.D	03/07/2025
PB167027BSD	PB167027BSD	BG064061.D	03/07/2025
ENV-105-GW01	Q1514-07	BG064063.D	03/07/2025
FB03062025	Q1514-09	BG064064.D	03/07/2025
ENV-103-GW01	Q1514-08	BG064068.D	03/07/2025

COMMENTS:

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167031BL

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG NO.: Q1514

Lab File ID: BG064057.D Lab Sample ID: PB167031BL

Instrument ID: BNA_G Date Extracted: 03/07/2025

Matrix: (soil/water) SOIL Date Analyzed: 03/07/2025

Level: (low/med) LOW Time Analyzed: 13:37

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
ENV-105-SB01	Q1514-01	BF141918.D	03/11/2025
ENV-103-SB01	Q1514-05	BF141915.D	03/11/2025
ENV-105-SB02	Q1514-03	BG064065.D	03/07/2025
ENV-105-SB02MS	Q1514-03MS	BG064066.D	03/07/2025
ENV-105-SB02MSD	Q1514-03MSD	BG064067.D	03/07/2025
PB167031BS	PB167031BS	BG064058.D	03/07/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1514 SDG NO.: Q1514

Lab File ID: BF141896.D DFTPP Injection Date: 03/10/2025

Instrument ID: BNA_F DFTPP Injection Time: 10:31

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	22.7
68	Less than 2.0% of mass 69	0.5 (1.9) 1
69	Mass 69 relative abundance	25
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	35
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.3
275	10.0 - 60.0% of mass 198	24.4
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	15.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.2 (19.2) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF141897.D	03/10/2025	11:01
SSTDICC005	SSTDICC005	BF141898.D	03/10/2025	11:30
SSTDICC010	SSTDICC010	BF141899.D	03/10/2025	12:00
SSTDICC020	SSTDICC020	BF141900.D	03/10/2025	12:29
SSTDICCC040	SSTDICCC040	BF141901.D	03/10/2025	12:58
SSTDICC060	SSTDICC060	BF141903.D	03/10/2025	13:57
SSTDICC080	SSTDICC080	BF141904.D	03/10/2025	14:27
SSTDICC050	SSTDICC050	BF141905.D	03/10/2025	15:20

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1514 SDG NO.: Q1514

Lab File ID: BF141909.D DFTPP Injection Date: 03/11/2025

Instrument ID: BNA_F DFTPP Injection Time: 10:52

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	21.5
68	Less than 2.0% of mass 69	0.5 (2) 1
69	Mass 69 relative abundance	23.4
70	Less than 2.0% of mass 69	0.2 (0.7) 1
127	10.0 - 80.0% of mass 198	33.9
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.1
275	10.0 - 60.0% of mass 198	23.9
365	Greater than 1% of mass 198	3.2
441	Present, but less than mass 443	15.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.7 (19.7) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF141910.D	03/11/2025	11:51
ENV-103-SB01	Q1514-05	BF141915.D	03/11/2025	14:26
ENV-105-SB01	Q1514-01	BF141918.D	03/11/2025	16:12

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1514 SDG NO.: Q1514

Lab File ID: BG064044.D DFTPP Injection Date: 03/05/2025

Instrument ID: BNA_G DFTPP Injection Time: 08:15

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	55.3
68	Less than 2.0% of mass 69	0.4 (1.1) 1
69	Mass 69 relative abundance	38
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	47
197	Less than 2.0% of mass 198	0.6
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.4
275	10.0 - 60.0% of mass 198	26.2
365	Greater than 1% of mass 198	4.5
441	Present, but less than mass 443	13.7
442	Greater than 50% of mass 198	85.4
443	15.0 - 24.0% of mass 442	17.2 (20.2) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BG064045.D	03/05/2025	09:02
SSTDICC005	SSTDICC005	BG064046.D	03/05/2025	09:42
SSTDICC010	SSTDICC010	BG064047.D	03/05/2025	10:22
SSTDICC020	SSTDICC020	BG064048.D	03/05/2025	11:03
SSTDICCC040	SSTDICCC040	BG064049.D	03/05/2025	11:43
SSTDICC050	SSTDICC050	BG064050.D	03/05/2025	12:23
SSTDICC060	SSTDICC060	BG064051.D	03/05/2025	13:04
SSTDICC080	SSTDICC080	BG064052.D	03/05/2025	13:44

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM SAS No.: Q1514 SDG NO.: Q1514

Lab File ID: BG064055.D DFTPP Injection Date: 03/07/2025

Instrument ID: BNA_G DFTPP Injection Time: 12:15

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	54.4
68	Less than 2.0% of mass 69	0.2 (0.4) 1
69	Mass 69 relative abundance	37.9
70	Less than 2.0% of mass 69	0.3 (0.7) 1
127	10.0 - 80.0% of mass 198	46.2
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	28.2
365	Greater than 1% of mass 198	4.9
441	Present, but less than mass 443	15.4
442	Greater than 50% of mass 198	93.1
443	15.0 - 24.0% of mass 442	18.1 (19.4) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BG064056.D	03/07/2025	12:56
PB167031BL	PB167031BL	BG064057.D	03/07/2025	13:37
PB167031BS	PB167031BS	BG064058.D	03/07/2025	14:18
PB167027BL	PB167027BL	BG064059.D	03/07/2025	14:58
PB167027BS	PB167027BS	BG064060.D	03/07/2025	15:39
PB167027BSD	PB167027BSD	BG064061.D	03/07/2025	16:19
ENV-105-GW01	Q1514-07	BG064063.D	03/07/2025	17:40
FB03062025	Q1514-09	BG064064.D	03/07/2025	18:21
ENV-105-SB02	Q1514-03	BG064065.D	03/07/2025	19:01
ENV-105-SB02MS	Q1514-03MS	BG064066.D	03/07/2025	19:42
ENV-105-SB02MSD	Q1514-03MSD	BG064067.D	03/07/2025	20:22
ENV-103-GW01	Q1514-08	BG064068.D	03/07/2025	21:03

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG NO.: Q1514

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/11/2025

Lab File ID: BF141910.D Time Analyzed: 11:51

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	212930	6.881	840081	8.16	479107	9.92
	UPPER LIMIT	425860	7.381	1680160	8.663	958214	10.416
	LOWER LIMIT	106465	6.381	420041	7.663	239554	9.416
	EPA SAMPLE NO.						
01	ENV-103-SB01	153238	6.88	609925	8.16	347323	9.91
02	ENV-105-SB01	150957	6.88	586367	8.16	300301	9.92

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.: Q1514 SAS No.: Q1514 SDG NO.: Q1514

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/11/2025

Lab File ID: BF141910.D Time Analyzed: 11:51

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	819898	11.404	519479	14.039	442953	15.509
	UPPER LIMIT	1639800	11.904	1038960	14.539	885906	16.009
	LOWER LIMIT	409949	10.904	259740	13.539	221477	15.009
	EPA SAMPLE NO.						
01	ENV-103-SB01	611592	11.40	452771	14.03	421172	15.50
02	ENV-105-SB01	431301	11.40	338343	14.04	250489	15.52

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG NO.: Q1514

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/07/2025

Lab File ID: BG064056.D Time Analyzed: 12:56

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	31620	7.866	134638	10.65	94280	14.49
	UPPER LIMIT	63240	8.366	269276	11.151	188560	14.988
	LOWER LIMIT	15810	7.366	67319	10.151	47140	13.988
	EPA SAMPLE NO.						
01	PB167031BL	29333	7.86	120699	10.65	87279	14.49
02	PB167031BS	37350	7.86	167596	10.66	115306	14.49
03	PB167027BL	31906	7.87	141288	10.65	97981	14.49
04	PB167027BS	34687	7.86	155641	10.66	112589	14.49
05	PB167027BSD	35231	7.86	161506	10.66	117614	14.49
06	ENV-105-SB02	32518	7.86	142122	10.65	99745	14.48
07	ENV-105-SB02MS	33566	7.87	156638	10.65	110984	14.49
08	ENV-105-SB02MSD	34411	7.86	153312	10.65	112515	14.49
09	ENV-105-GW01	37672	7.86	163817	10.65	111944	14.48
10	ENV-103-GW01	34746	7.86	161327	10.65	115460	14.49
11	FB03062025	32854	7.86	141929	10.65	100513	14.49

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.: Q1514 SAS No.: Q1514 SDG NO.: Q1514

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/07/2025

Lab File ID: BG064056.D Time Analyzed: 12:56

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	212553	17.231	237923	21.462	252082	24.482
	UPPER LIMIT	425106	17.731	475846	21.962	504164	24.982
	LOWER LIMIT	106277	16.731	118962	20.962	126041	23.982
	EPA SAMPLE NO.						
01	PB167031BL	222662	17.23	230159	21.46	246932	24.48
02	PB167031BS	265788	17.23	268408	21.47	290005	24.48
03	PB167027BL	246502	17.23	261251	21.46	265918	24.48
04	PB167027BS	253745	17.23	254292	21.47	275837	24.48
05	PB167027BSD	256688	17.23	264113	21.47	280712	24.48
06	ENV-105-SB02	240718	17.23	246568	21.46	266034	24.48
07	ENV-105-SB02MS	250922	17.23	258735	21.46	281256	24.48
08	ENV-105-SB02MSD	255500	17.23	257819	21.47	278096	24.48
09	ENV-105-GW01	252643	17.23	258476	21.46	269422	24.48
10	ENV-103-GW01	254589	17.23	250403	21.46	270468	24.47
11	FB03062025	241431	17.22	267874	21.46	281608	24.47

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: **BF141918.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB01	SDG No.:	Q1514
Lab Sample ID:	Q1514-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141918.D	1	03/07/25 08:55	03/11/25 16:12	PB167031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	200	U	200	360	ug/Kg
108-95-2	Phenol	90.4	U	90.4	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	91.2	U	91.2	190	ug/Kg
95-57-8	2-Chlorophenol	91.0	U	91.0	190	ug/Kg
95-48-7	2-Methylphenol	87.8	U	87.8	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	99.1	U	99.1	190	ug/Kg
98-86-2	Acetophenone	94.7	U	94.7	190	ug/Kg
65794-96-9	3+4-Methylphenols	87.0	U	87.0	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	43.9	U	43.9	87.2	ug/Kg
67-72-1	Hexachloroethane	90.5	U	90.5	190	ug/Kg
98-95-3	Nitrobenzene	99.0	U	99.0	190	ug/Kg
78-59-1	Isophorone	92.2	U	92.2	190	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	190	ug/Kg
105-67-9	2,4-Dimethylphenol	100	U	100	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	93.5	U	93.5	190	ug/Kg
120-83-2	2,4-Dichlorophenol	82.3	U	82.3	190	ug/Kg
91-20-3	Naphthalene	90.0	U	90.0	190	ug/Kg
106-47-8	4-Chloroaniline	90.0	UQ	90.0	190	ug/Kg
87-68-3	Hexachlorobutadiene	90.8	U	90.8	190	ug/Kg
105-60-2	Caprolactam	94.6	U	94.6	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	84.5	U	84.5	190	ug/Kg
91-57-6	2-Methylnaphthalene	89.9	U	89.9	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	U	170	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	77.8	U	77.8	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	80.7	U	80.7	190	ug/Kg
92-52-4	1,1-Biphenyl	95.3	U	95.3	190	ug/Kg
91-58-7	2-Chloronaphthalene	90.8	U	90.8	190	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	190	ug/Kg
131-11-3	Dimethylphthalate	89.0	U	89.0	190	ug/Kg

Raw Data: **BF141918.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB01	SDG No.:	Q1514
Lab Sample ID:	Q1514-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141918.D	1	03/07/25 08:55	03/11/25 16:12	PB167031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	94.3	U	94.3	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	90.7	U	90.7	190	ug/Kg
99-09-2	3-Nitroaniline	97.2	UQ	97.2	190	ug/Kg
83-32-9	Acenaphthene	88.4	U	88.4	190	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	360	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	360	ug/Kg
132-64-9	Dibenzofuran	92.0	U	92.0	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	93.9	U	93.9	190	ug/Kg
84-66-2	Diethylphthalate	87.3	U	87.3	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	93.3	U	93.3	190	ug/Kg
86-73-7	Fluorene	93.2	U	93.2	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	88.9	U	88.9	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	86.0	U	86.0	190	ug/Kg
118-74-1	Hexachlorobenzene	92.6	U	92.6	190	ug/Kg
1912-24-9	Atrazine	99.6	U	99.6	190	ug/Kg
87-86-5	Pentachlorophenol	84.2	U	84.2	360	ug/Kg
85-01-8	Phenanthrene	340		91.6	190	ug/Kg
120-12-7	Anthracene	92.0	U	92.0	190	ug/Kg
86-74-8	Carbazole	87.5	U	87.5	190	ug/Kg
84-74-2	Di-n-butylphthalate	91.9	U	91.9	190	ug/Kg
206-44-0	Fluoranthene	300		89.0	190	ug/Kg
129-00-0	Pyrene	240		90.5	190	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	UQ	110	360	ug/Kg
56-55-3	Benzo(a)anthracene	150	J	88.0	190	ug/Kg
218-01-9	Chrysene	150	J	86.6	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	99.2	U	99.2	190	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	140	J	88.4	190	ug/Kg

Raw Data: **BF141918.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB01	SDG No.:	Q1514
Lab Sample ID:	Q1514-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141918.D	1	03/07/25 08:55	03/11/25 16:12	PB167031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	90.0	U	90.0	190	ug/Kg
50-32-8	Benzo(a)pyrene	130	J	100	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	85.1	U	85.1	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	88.5	U	88.5	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	87.3	U	87.3	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	94.6	U	94.6	190	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	81.4	U	81.4	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	82.8		30 (18) - 130 (112)	55%	SPK: 150
13127-88-3	Phenol-d6	78.2		30 (15) - 130 (107)	52%	SPK: 150
4165-60-0	Nitrobenzene-d5	55.9		30 (18) - 130 (107)	56%	SPK: 100
321-60-8	2-Fluorobiphenyl	58.6		30 (20) - 130 (109)	59%	SPK: 100
118-79-6	2,4,6-Tribromophenol	66.9		30 (10) - 130 (116)	45%	SPK: 150
1718-51-0	Terphenyl-d14	45.0		30 (10) - 130 (105)	45%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	151000	6.881			
1146-65-2	Naphthalene-d8	586000	8.157			
15067-26-2	Acenaphthene-d10	300000	9.916			
1517-22-2	Phenanthrene-d10	431000	11.398			
1719-03-5	Chrysene-d12	338000	14.039			
1520-96-3	Perylene-d12	250000	15.521			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	1100	J		2.15	ug/Kg
000119-61-9	Benzophenone	250	J		10.6	ug/Kg
000629-78-7	Heptadecane	110	J		10.8	ug/Kg
055045-08-4	Dodecane, 2-methyl-6-propyl-	78.5	J		11.3	ug/Kg
000132-65-0	Dibenzothiophene	74.8	J		11.3	ug/Kg
000646-31-1	Tetracosane	100	J		11.7	ug/Kg
000057-10-3	n-Hexadecanoic acid	320	J		11.9	ug/Kg

Raw Data: **BF141918.D**

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Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB01	SDG No.:	Q1514
Lab Sample ID:	Q1514-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.6
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141918.D	1	03/07/25 08:55	03/11/25 16:12	PB167031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000112-95-8	Eicosane	130	J		12.1	ug/Kg
000629-94-7	Heneicosane	290	J		12.5	ug/Kg
000629-99-2	Pentacosane	180	J		13.2	ug/Kg

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

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

Sample Results: **BF141918.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141918.D
Acq On : 11 Mar 2025 16:12
Operator : RC/JU
Sample : Q1514-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 11 16:52:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	150957	20.000	ng		0.00
21) Naphthalene-d8	8.157	136	586367	20.000	ng		0.00
39) Acenaphthene-d10	9.916	164	300301	20.000	ng		0.00
64) Phenanthrene-d10	11.398	188	431301	20.000	ng		0.00
76) Chrysene-d12	14.039	240	338343	20.000	ng		0.00
86) Perylene-d12	15.521	264	250489	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.492	112	749092	82.819	ng		0.00
7) Phenol-d6	6.498	99	900241	78.171	ng		0.00
23) Nitrobenzene-d5	7.434	82	582366	55.892	ng		-0.01
42) 2,4,6-Tribromophenol	10.698	330	254726	66.862	ng		0.00
45) 2-Fluorobiphenyl	9.233	172	1157452	58.617	ng		0.00
79) Terphenyl-d14	12.986	244	1029420	44.982	ng		0.00
Target Compounds							Qvalue
71) Phenanthrene	11.422	178	219318	9.414	ng		99
72) Anthracene	11.474	178	47239m	2.021	ng		
75) Fluoranthene	12.610	202	205658	8.322	ng		99
78) Pyrene	12.839	202	190783	6.519	ng		96
81) Benzo(a)anthracene	14.027	228	92270	4.156	ng	#	88
83) Chrysene	14.063	228	82029	4.076	ng	#	86
88) Benzo(b)fluoranthene	15.086	252	68107m	3.967	ng		
90) Benzo(a)pyrene	15.457	252	46734	3.479	ng	#	64

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

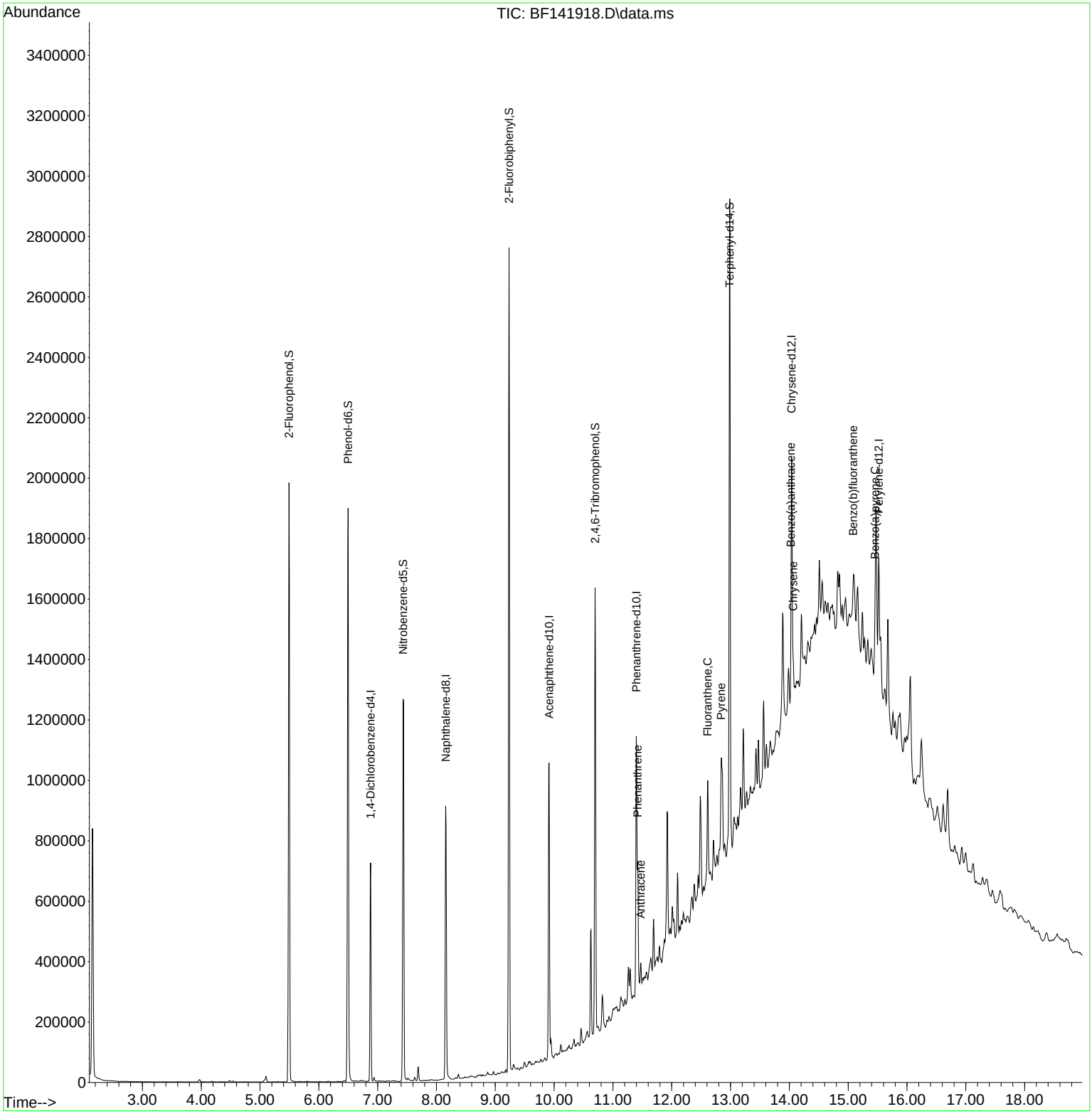
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141918.D
Acq On : 11 Mar 2025 16:12
Operator : RC/JU
Sample : Q1514-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

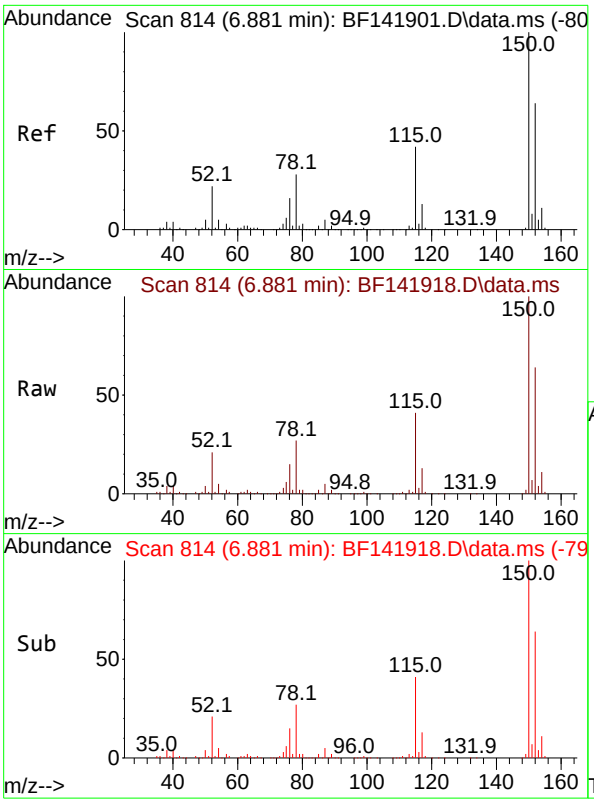
Quant Time: Mar 11 16:52:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025

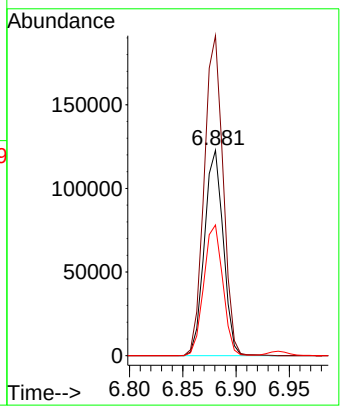




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

Tgt Ion:152 Resp: 15095

Ion	Ratio	Lower	Upper
152	100		
150	155.8	127.4	191.2
115	63.6	51.9	77.9



Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

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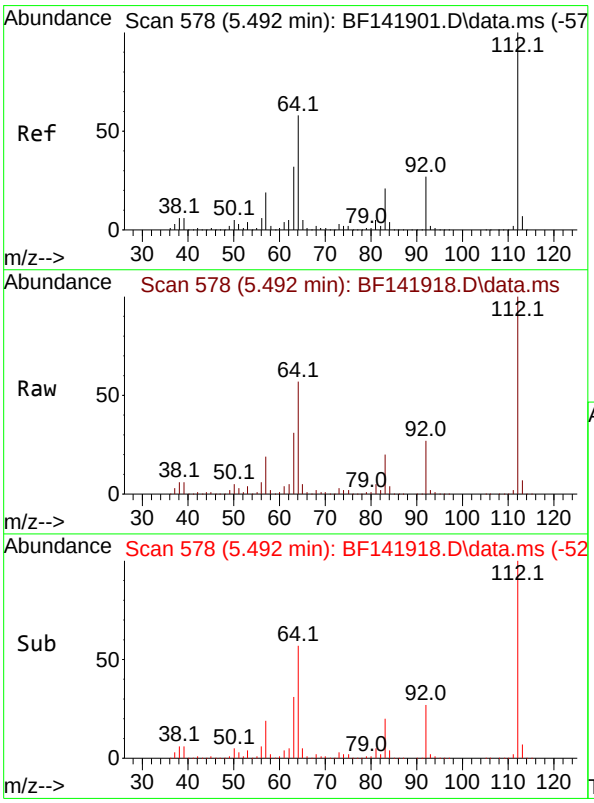
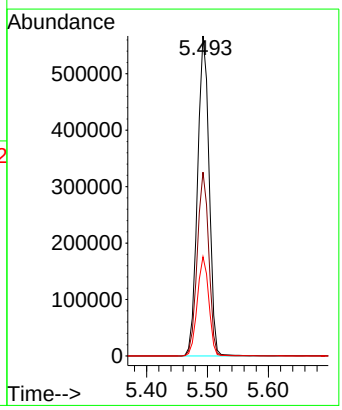
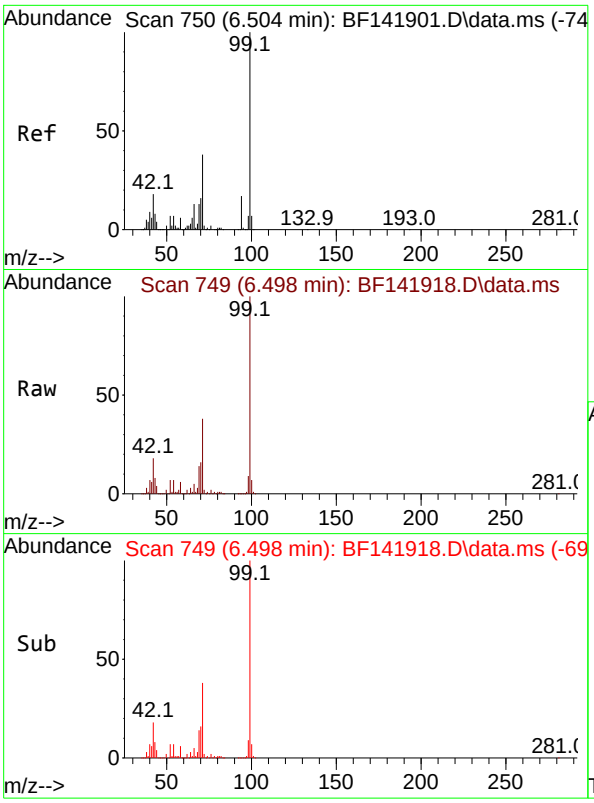


#5
2-Fluorophenol
Concen: 82.819 ng
RT: 5.492 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

Tgt Ion:112 Resp: 749092

Ion	Ratio	Lower	Upper
112	100		
64	57.5	46.5	69.7
63	31.0	25.4	38.2

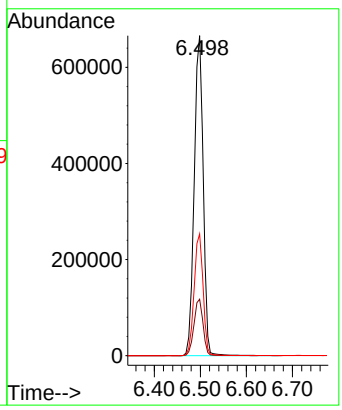




#7
Phenol-d6
Concen: 78.171 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

Tgt Ion: 99 Resp: 90024

Ion	Ratio	Lower	Upper
99	100		
42	17.7	14.6	21.8
71	38.1	30.8	46.2



Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

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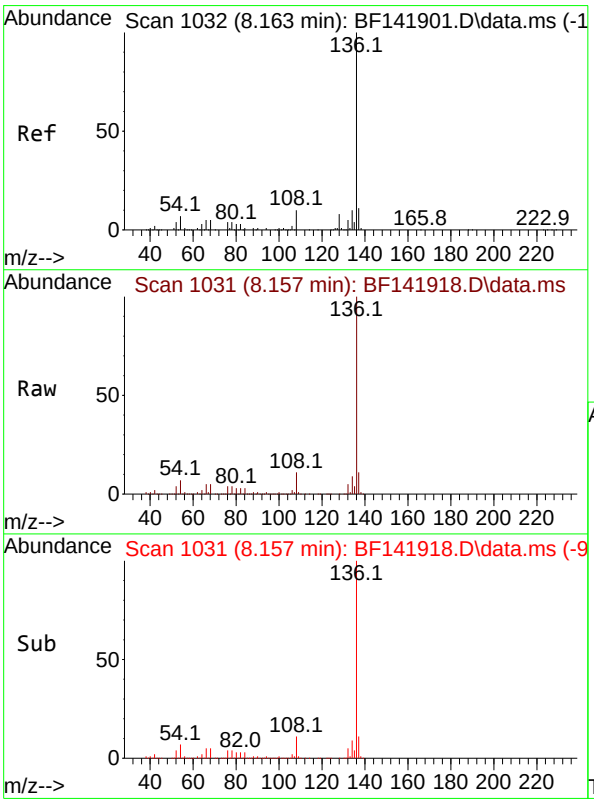
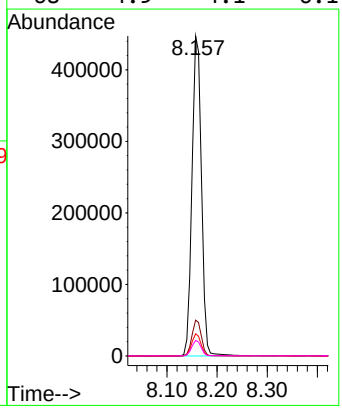
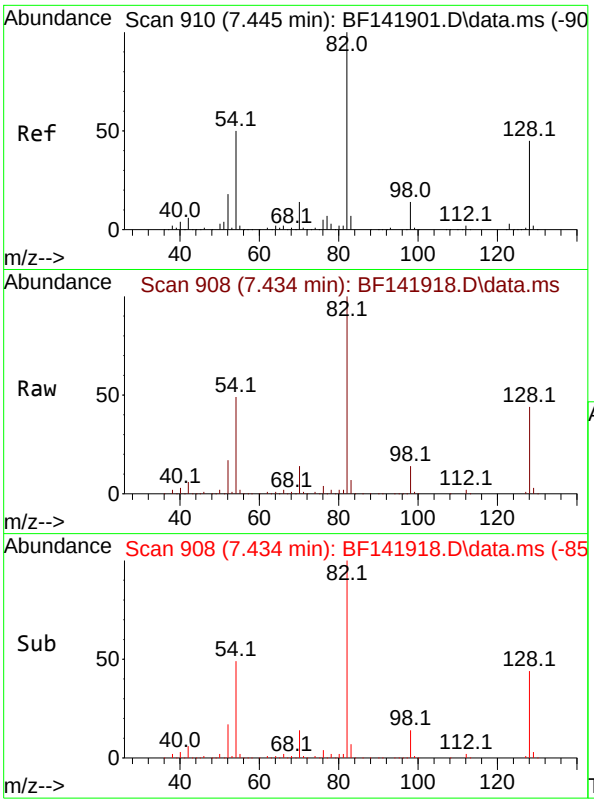


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

Tgt Ion:136 Resp: 586367

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	6.9	5.8	8.8
68	4.9	4.1	6.1

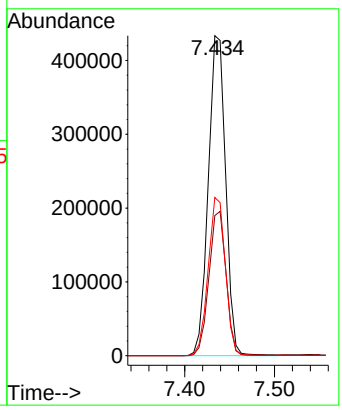




#23
Nitrobenzene-d5
Concen: 55.892 ng
RT: 7.434 min Scan# 9(
Delta R.T. -0.012 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

Tgt Ion: 82 Resp: 58236(

Ion	Ratio	Lower	Upper
82	100		
128	43.8	36.0	54.0
54	49.4	39.6	59.4



Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

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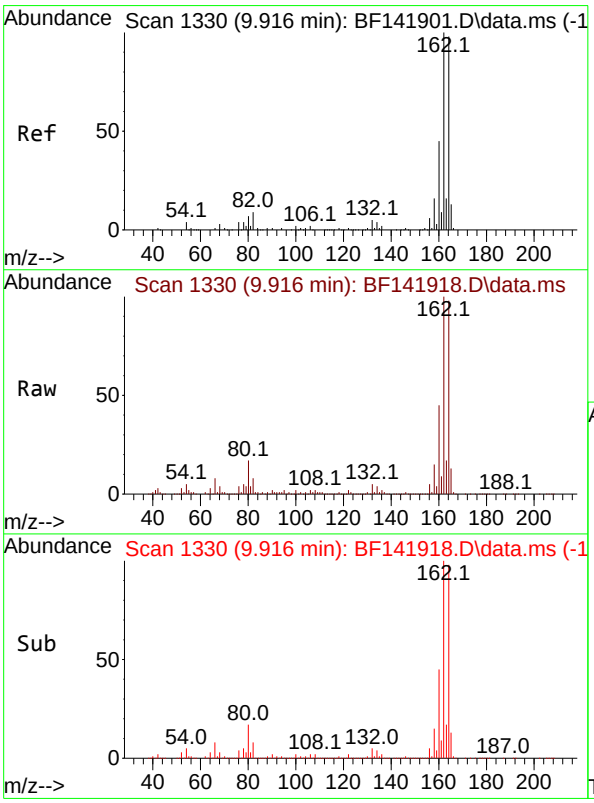
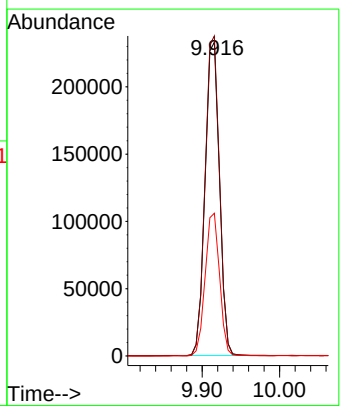
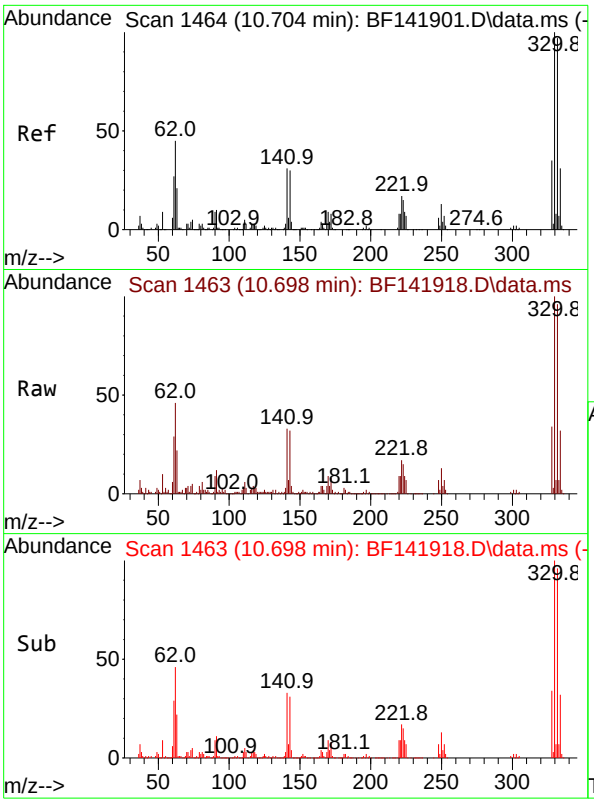


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.000 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

Tgt Ion:164 Resp: 300301

Ion	Ratio	Lower	Upper
164	100		
162	102.0	81.8	122.6
160	45.5	36.7	55.1

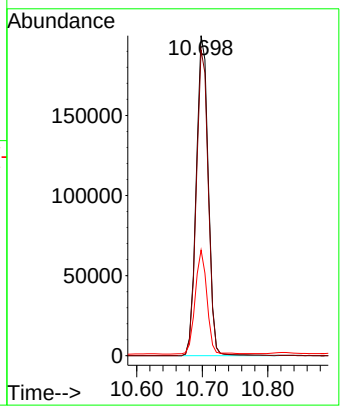




#42
2,4,6-Tribromophenol
Concen: 66.862 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

Tgt Ion:330 Resp: 25472(

Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.6	116.4
141	31.8	24.7	37.1



Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

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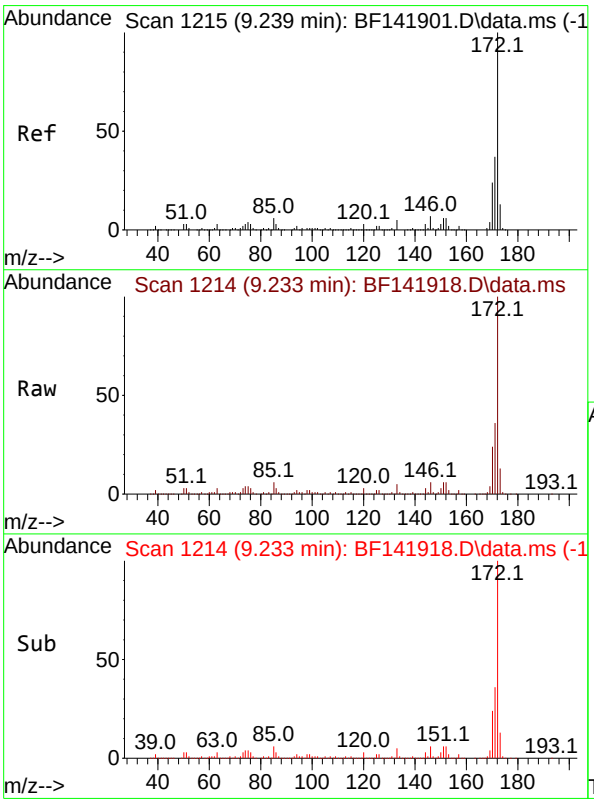
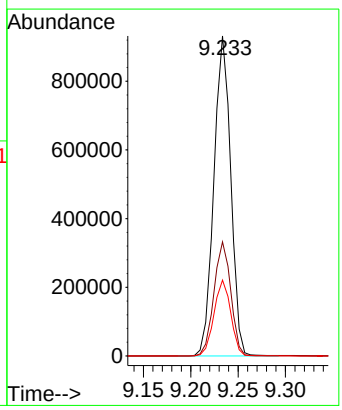
Supervised By :Jagrut Upadhyay 03/12/2025

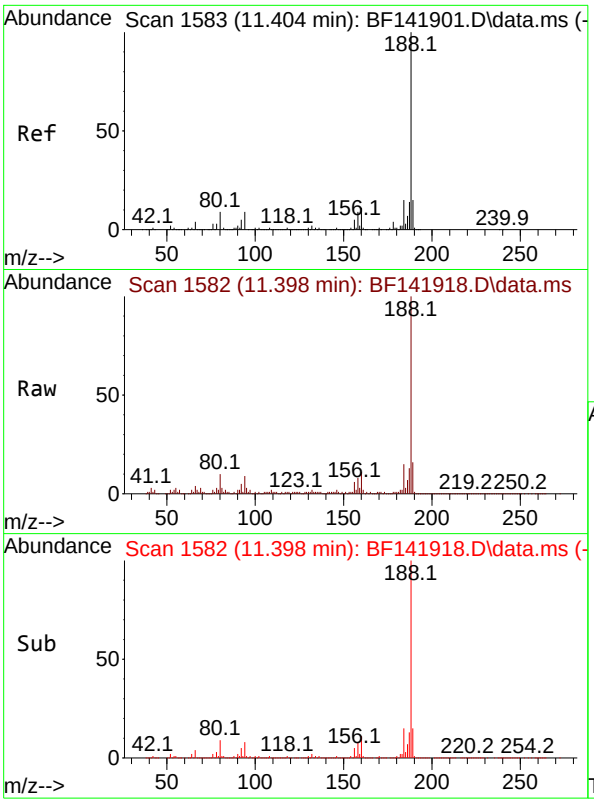


#45
2-Fluorobiphenyl
Concen: 58.617 ng
RT: 9.233 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

Tgt Ion:172 Resp: 1157452

Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.3	43.9
170	23.7	19.4	29.0

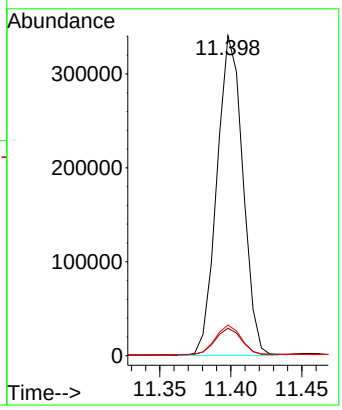




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

Tgt Ion:188 Resp: 43130

Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.8	10.2
80	9.5	7.6	11.4



Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

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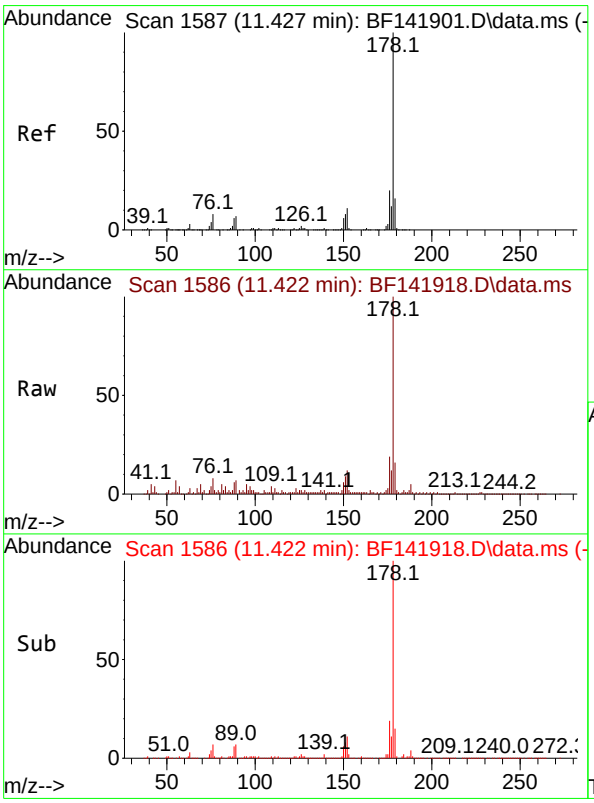
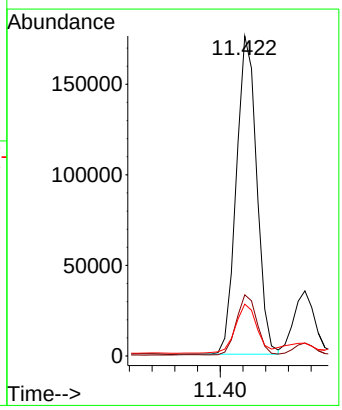
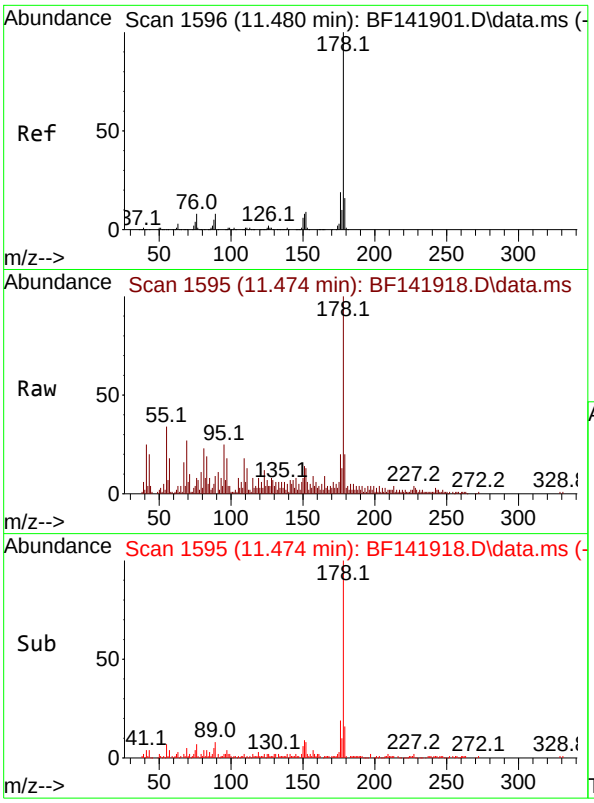


#71
Phenanthrene
Concen: 9.414 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

Tgt Ion:178 Resp: 219318

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	16.2	12.6	19.0

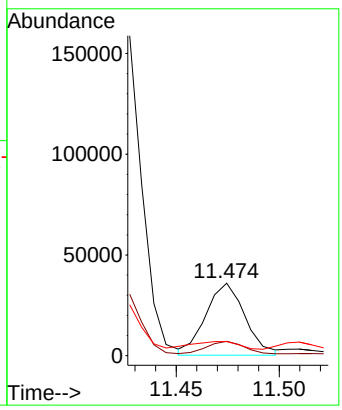




#72
Anthracene
Concen: 2.021 ng m
RT: 11.474 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

Tgt Ion:178 Resp: 4723

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.1	22.7
179	19.5	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

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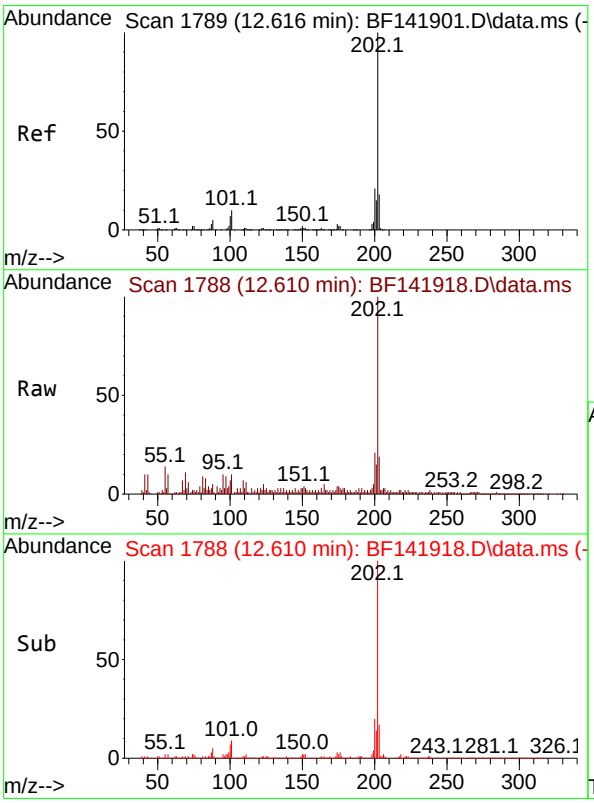
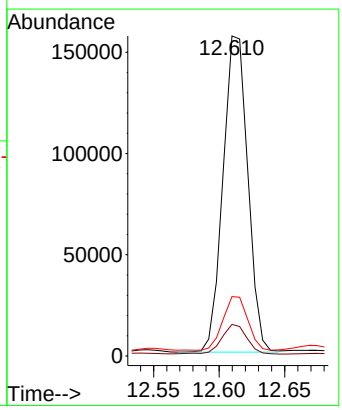
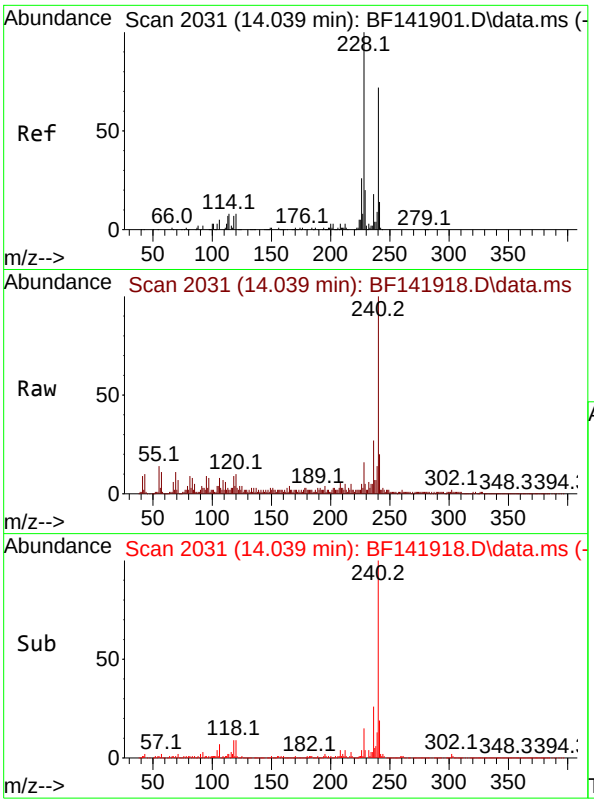


#75
Fluoranthene
Concen: 8.322 ng
RT: 12.610 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

Tgt Ion:202 Resp: 205658

Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	29.7
203	18.5	0.0	37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

Tgt Ion:240 Resp: 33834

Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.4	12.6
236	26.9	20.5	30.7

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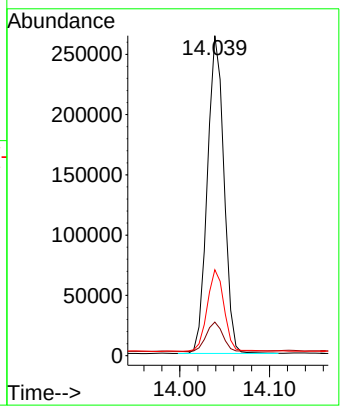
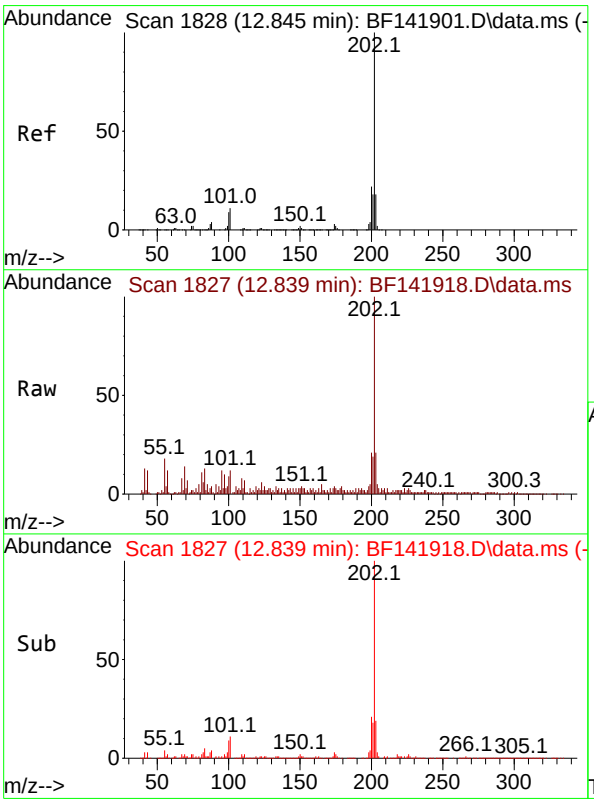
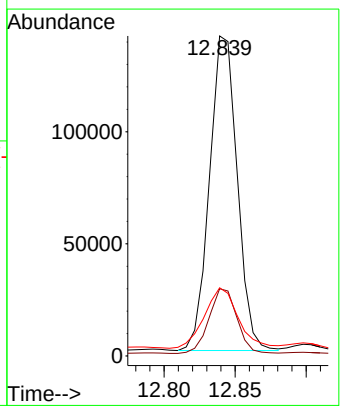


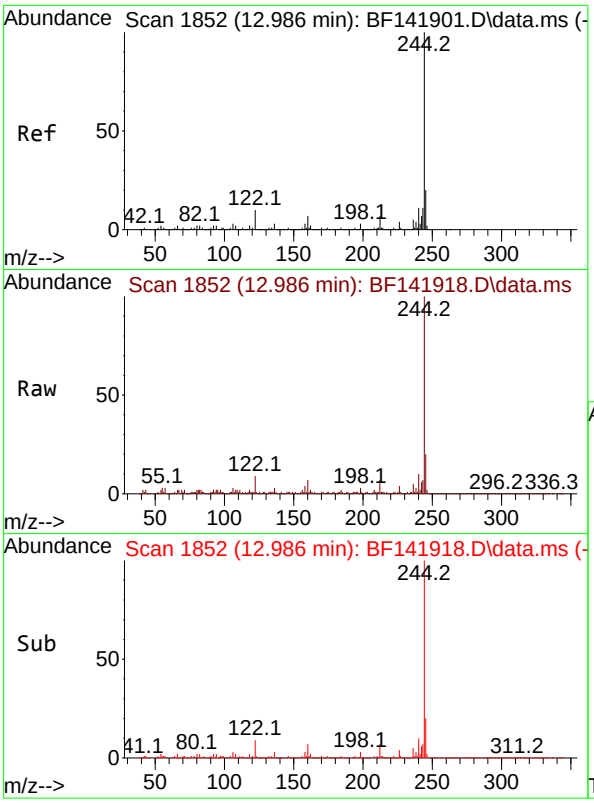


#78
Pyrene
Concen: 6.519 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

Tgt Ion:202 Resp: 190783

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.3	25.9
203	21.3	14.4	21.6





#79
Terphenyl-d14
Concen: 44.982 ng
RT: 12.986 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

Tgt Ion:244 Resp: 102942

Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	9.4	7.7	11.5

Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

Manual Integrations
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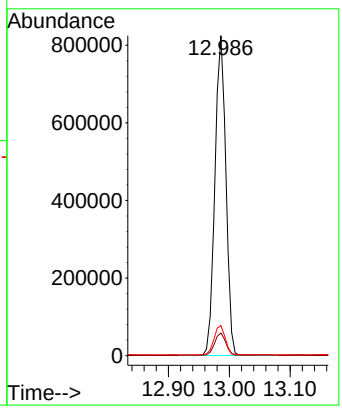
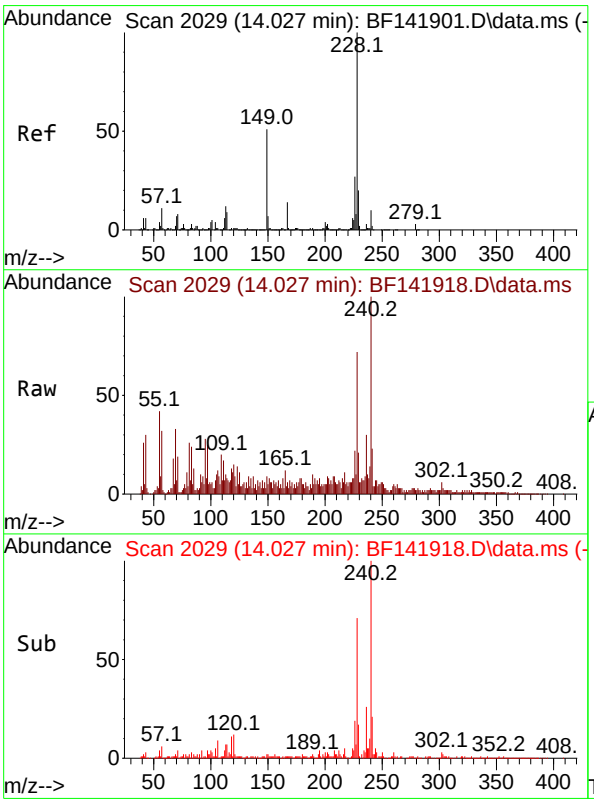
Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025

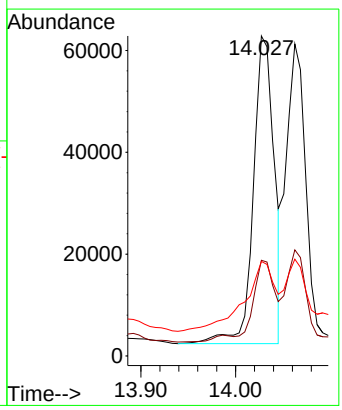


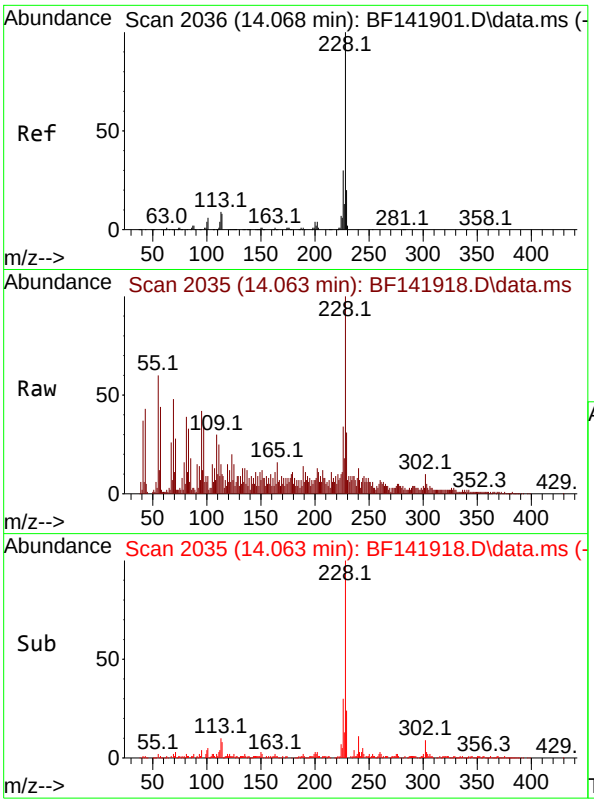


#81
Benzo(a)anthracene
Concen: 4.156 ng
RT: 14.027 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

Tgt Ion:228 Resp: 92270

Ion	Ratio	Lower	Upper
228	100		
226	29.9	21.8	32.8
229	29.5	16.0	24.0#

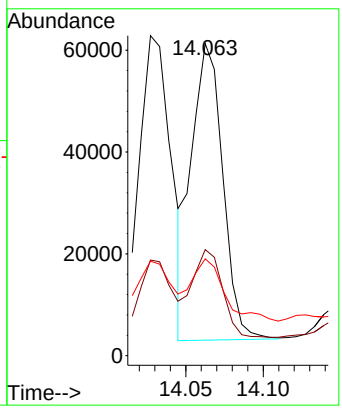




#83
Chrysene
Concen: 4.076 ng
RT: 14.063 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

Tgt Ion:228 Resp: 8202

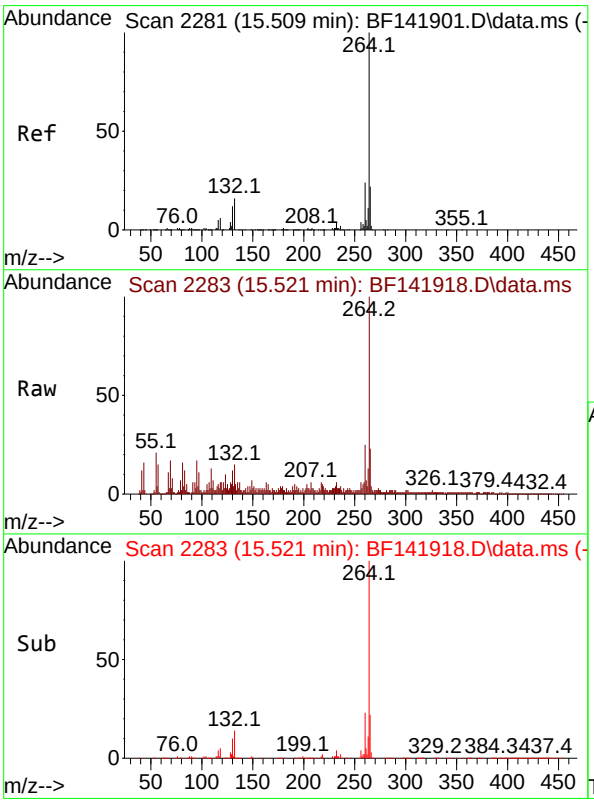
Ion	Ratio	Lower	Upper
228	100		
226	34.0	24.1	36.1
229	31.0	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

Manual Integrations
APPROVED

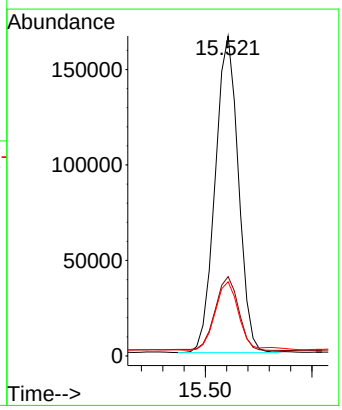
Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025

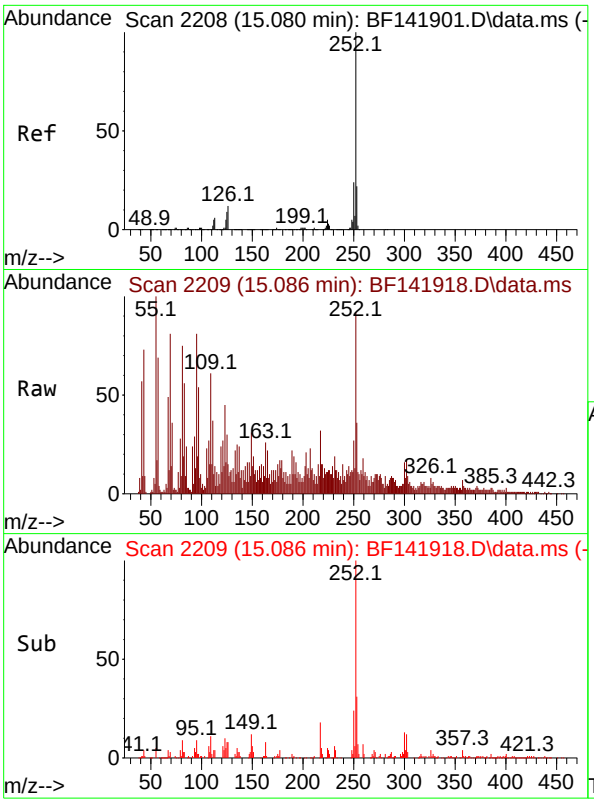


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2283
Delta R.T. 0.012 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

Tgt Ion:264 Resp: 250489

Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.1	28.7
265	23.2	17.5	26.3





#88
Benzo(b)fluoranthene
Concen: 3.967 ng m
RT: 15.086 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

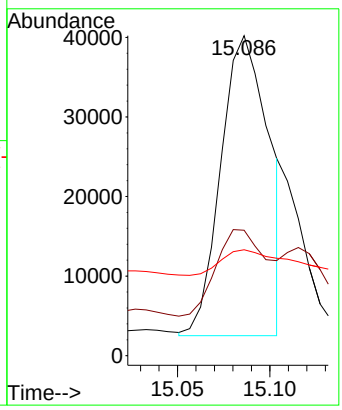
Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

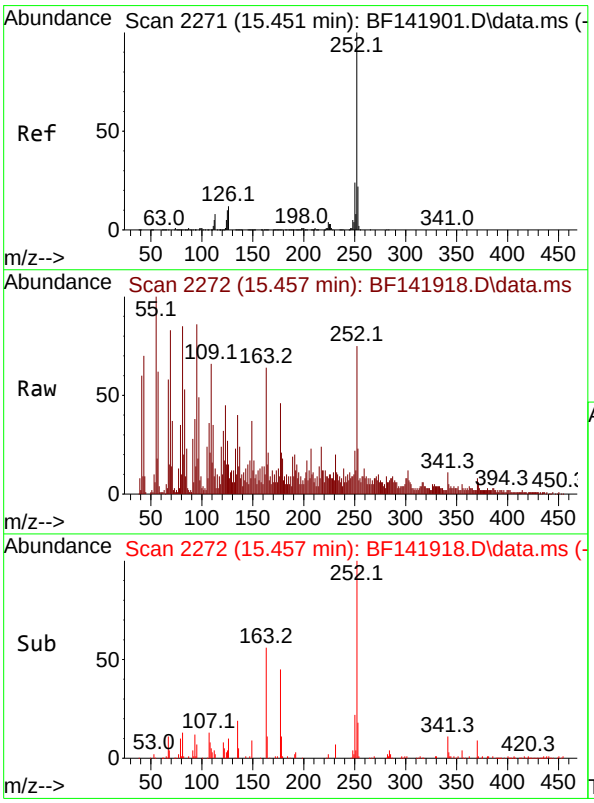
Tgt Ion:252 Resp: 6810

Ion	Ratio	Lower	Upper
252	100		
253	39.2	17.5	26.3#
125	33.1	7.0	10.4#

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025

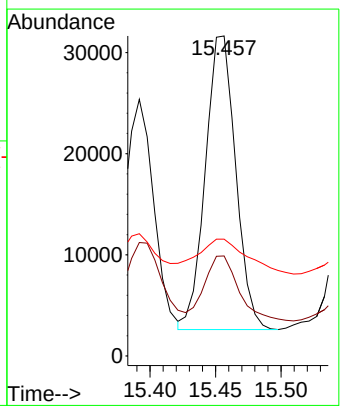




#90
Benzo(a)pyrene
Concen: 3.479 ng
RT: 15.457 min Scan# 2272
Delta R.T. 0.006 min
Lab File: BF141918.D
Acq: 11 Mar 2025 16:12

Tgt Ion:252 Resp: 46734

Ion	Ratio	Lower	Upper
252	100		
253	31.2	17.4	26.0#
125	36.5	7.8	11.8#



Sample Results: **BF141918.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141918.D
Acq On : 11 Mar 2025 16:12
Operator : RC/JU
Sample : Q1514-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141918.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.152	3	10	28	rVB	827564	1364182	40.26%	5.221%
2	5.493	572	578	583	rBV	1983274	2598200	76.68%	9.944%
3	6.498	742	749	761	rBV	1898797	2588246	76.39%	9.905%
4	6.881	809	814	819	rBV	723035	900092	26.56%	3.445%
5	7.434	898	908	914	rBV	1266434	1712590	50.54%	6.554%
6	7.692	947	952	958	rVB	45801	60588	1.79%	0.232%
7	8.157	1026	1031	1050	rVB	904330	1213997	35.83%	4.646%
8	9.233	1208	1214	1219	rBV	2729029	3388387	100.00%	12.968%
9	9.310	1224	1227	1236	rVV6	17535	37102	1.09%	0.142%
10	9.916	1324	1330	1334	rBV	980245	1314184	38.78%	5.030%
11	9.945	1334	1335	1343	rVB	61847	61580	1.82%	0.236%
12	10.457	1419	1422	1429	rBV2	52761	82794	2.44%	0.317%
13	10.627	1446	1451	1455	rBV	351019	460753	13.60%	1.763%
14	10.698	1458	1463	1468	rBV	1476226	1854025	54.72%	7.096%
15	10.822	1480	1484	1492	rBV2	103331	181443	5.35%	0.694%
16	11.263	1556	1559	1562	rBV	99480	131939	3.89%	0.505%
17	11.292	1562	1564	1570	rVB	97821	125911	3.72%	0.482%
18	11.398	1578	1582	1585	rBV	855017	1222949	36.09%	4.680%
19	11.692	1629	1632	1636	rVB	154492	173624	5.12%	0.664%
20	11.922	1668	1671	1677	rVB2	404997	545663	16.10%	2.088%
21	12.098	1698	1701	1705	rVB	193850	221818	6.55%	0.849%
22	12.486	1764	1767	1773	rVB2	325416	488302	14.41%	1.869%
23	12.610	1785	1788	1794	rVB	308555	400857	11.83%	1.534%
24	12.845	1824	1828	1835	rVB2	304324	659078	19.45%	2.522%
25	12.986	1847	1852	1859	rVB	2145720	2799509	82.62%	10.714%
26	13.216	1889	1891	1896	rVB2	262396	309009	9.12%	1.183%
27	14.039	2027	2031	2039	rBV2	792491	1232660	36.38%	4.718%

Sum of corrected areas: 26129482

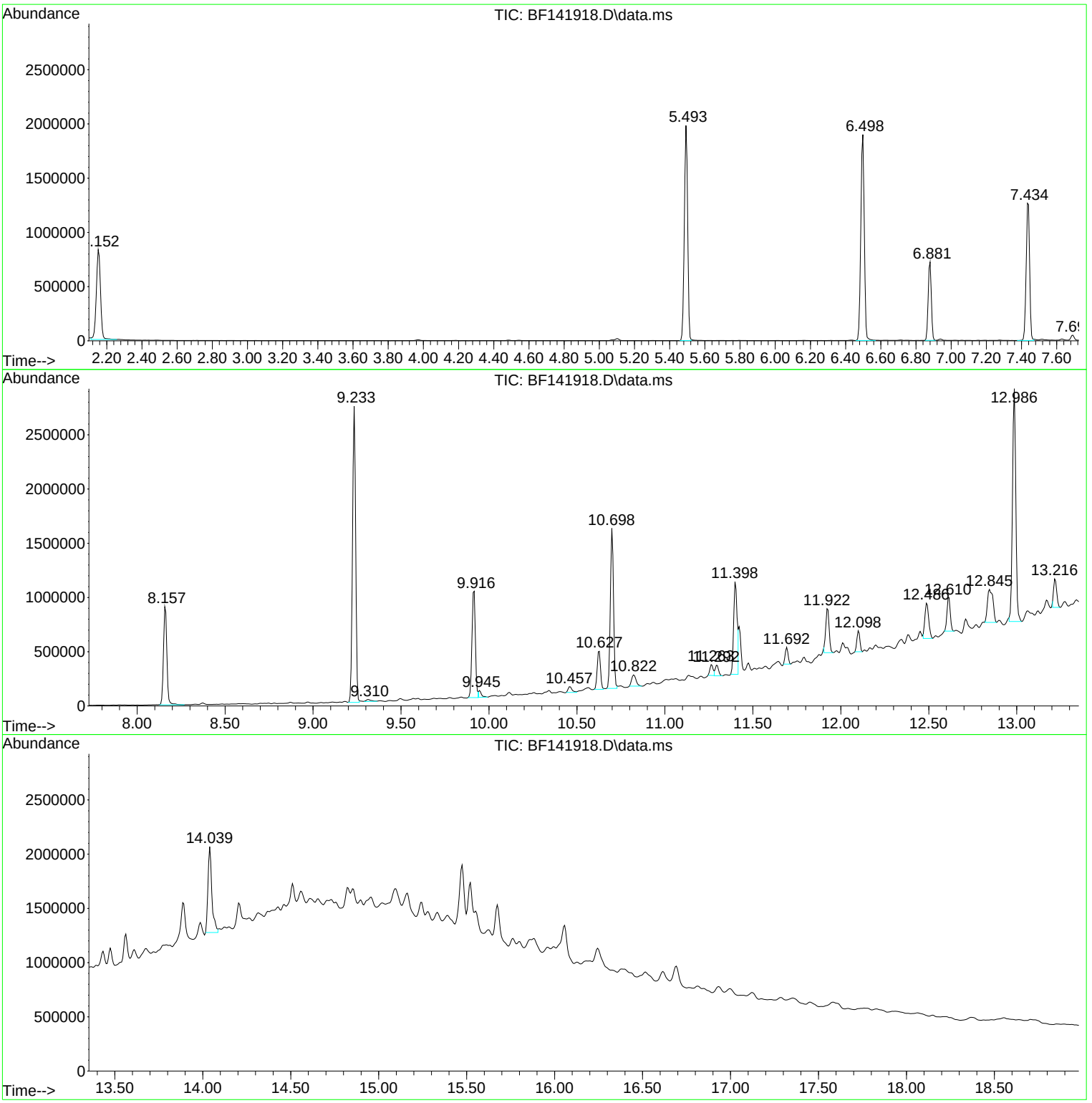
Sample Results: **BF141918.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141918.D
Acq On : 11 Mar 2025 16:12
Operator : RC/JU
Sample : Q1514-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Sample Results: **BF141918.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141918.D
Acq On : 11 Mar 2025 16:12
Operator : RC/JU
Sample : Q1514-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

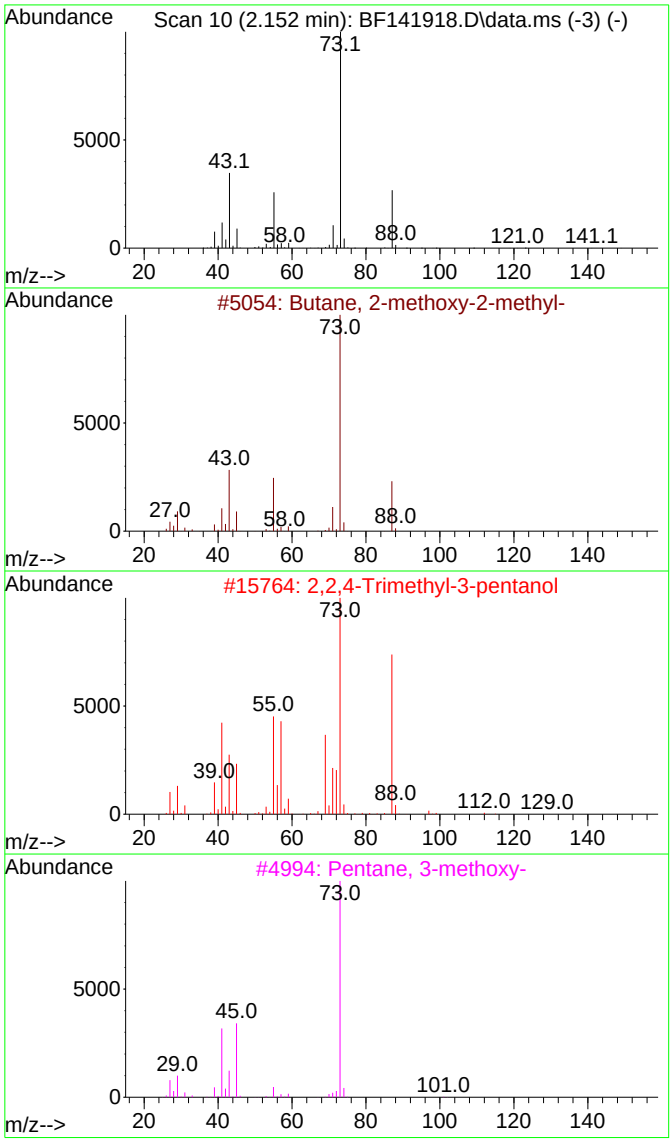
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

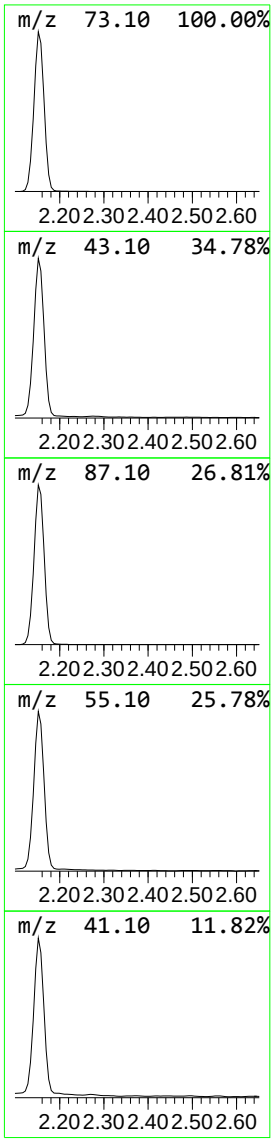
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.152	30.31 ng	1364180	1,4-Dichlorobenzene-d4	6.881

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141918.D
Acq On : 11 Mar 2025 16:12
Operator : RC/JU
Sample : Q1514-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

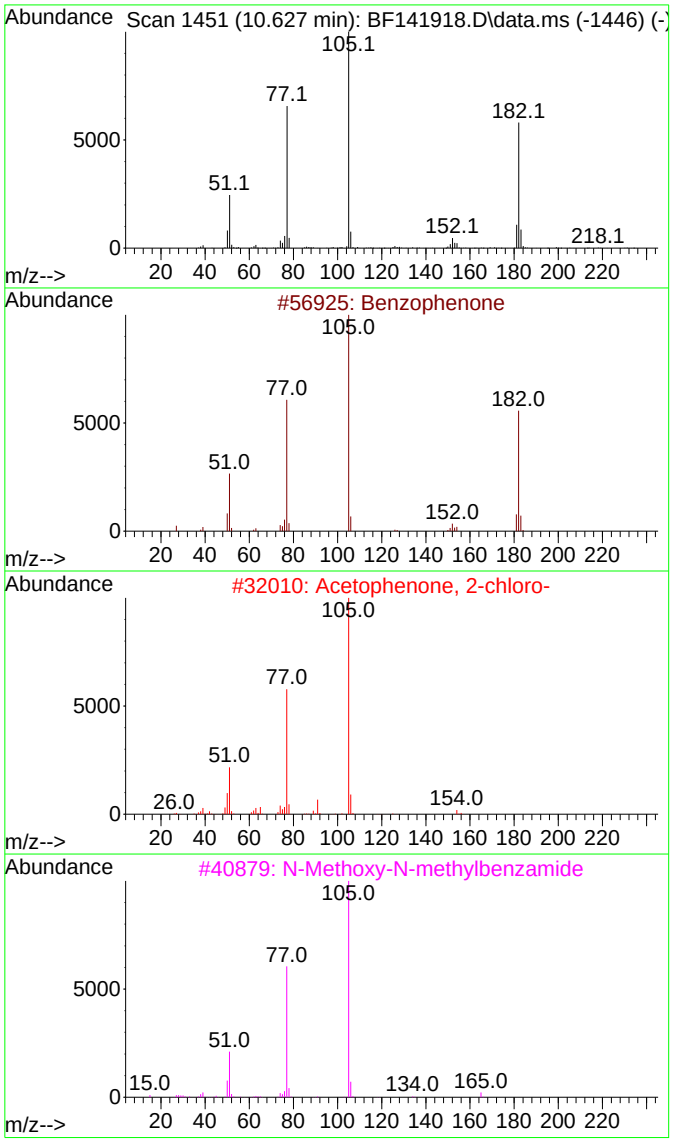
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

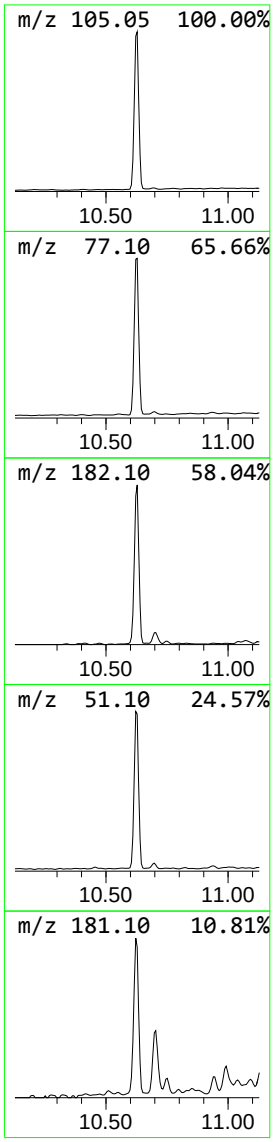
****

Peak Number 2 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.628	7.01 ng	460753	Acenaphthene-d10	9.916

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
3	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	49
4	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	49
5	1,2-Propanedione, 1-phenyl-	148	C9H8O2	000579-07-7	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141918.D
Acq On : 11 Mar 2025 16:12
Operator : RC/JU
Sample : Q1514-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

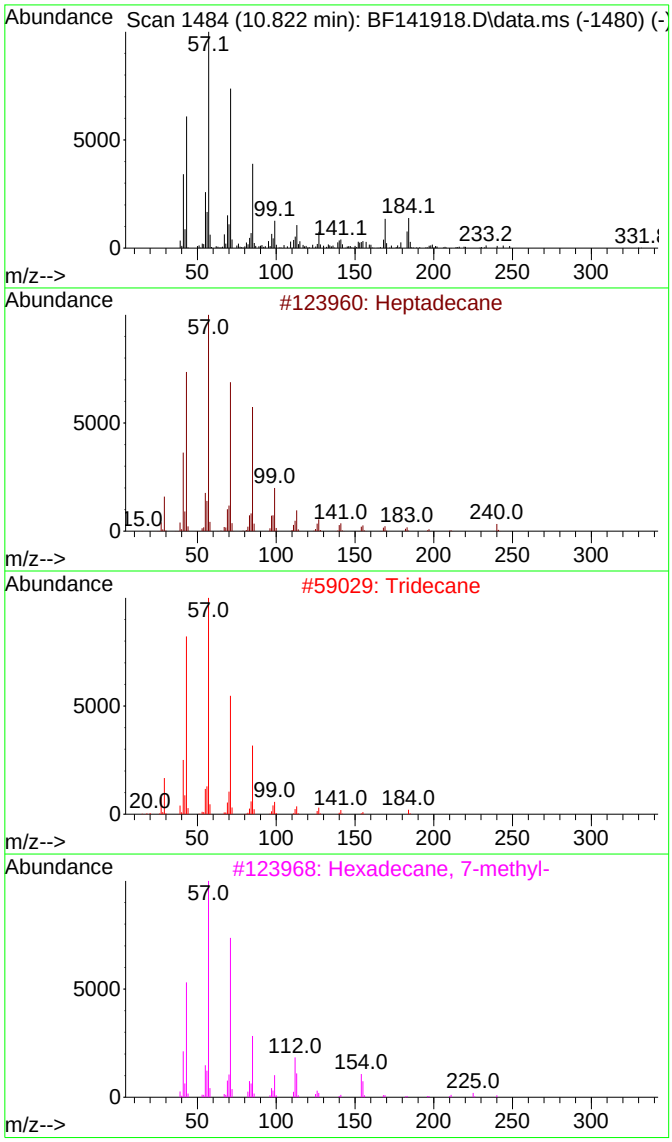
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

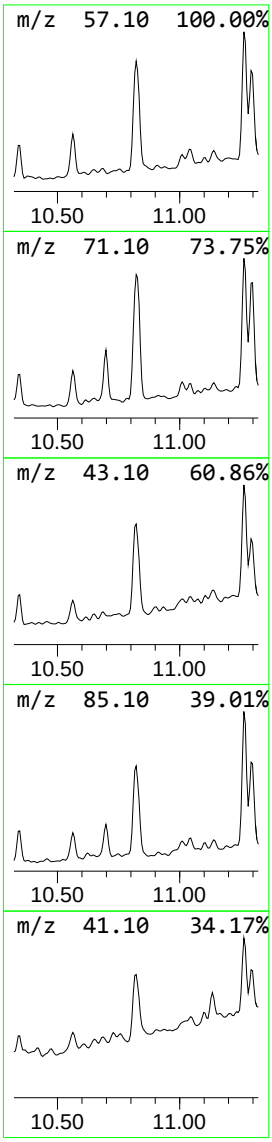
****

Peak Number 3 Heptadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.822	2.97 ng	181443	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	94
2	Tridecane	184	C13H28	000629-50-5	87
3	Hexadecane, 7-methyl-	240	C17H36	026730-20-1	87
4	Dodecane	170	C12H26	000112-40-3	87
5	2-Bromo dodecane	248	C12H25Br	013187-99-0	87





Sample Results: **BF141918.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141918.D
Acq On : 11 Mar 2025 16:12
Operator : RC/JU
Sample : Q1514-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

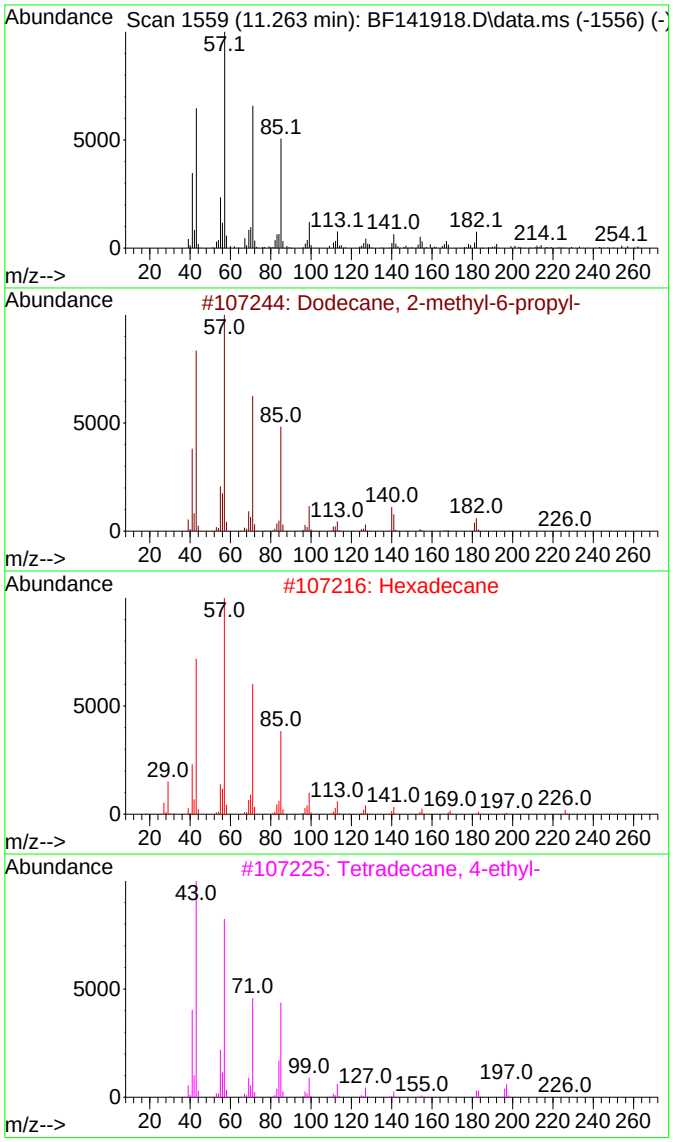
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

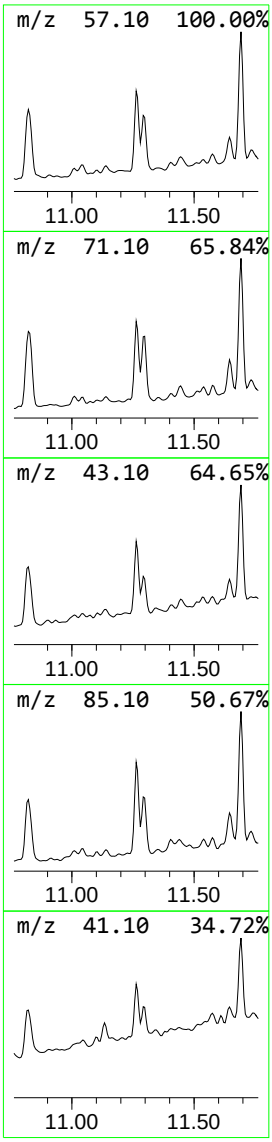
****

Peak Number 4 Dodecane, 2-methyl-6-propyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.263	2.16 ng	131939	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	91
2	Hexadecane	226	C16H34	000544-76-3	87
3	Tetradecane, 4-ethyl-	226	C16H34	055045-14-2	83
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	83
5	Tetradecane	198	C14H30	000629-59-4	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141918.D
Acq On : 11 Mar 2025 16:12
Operator : RC/JU
Sample : Q1514-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

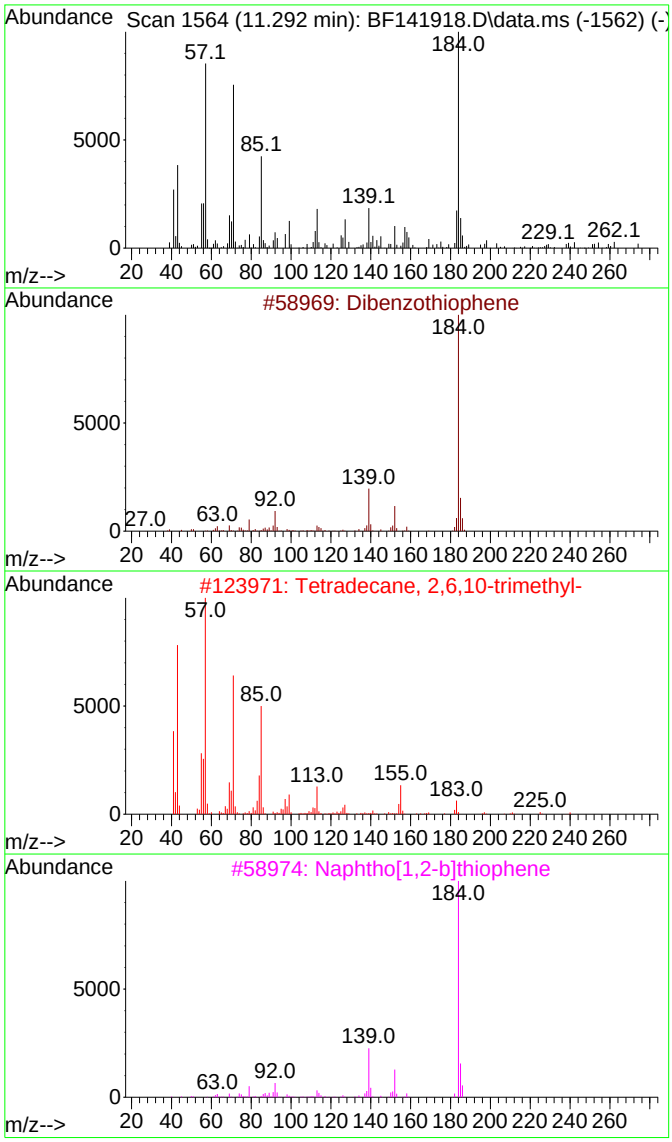
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

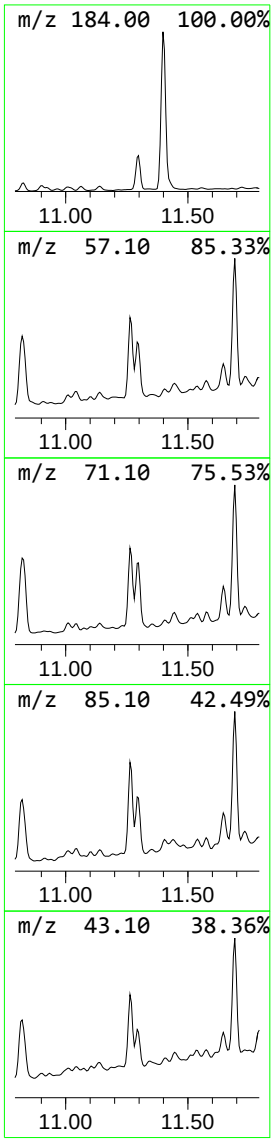
****

Peak Number 5 Dibenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.292	2.06 ng	125911	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	83
2	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	46
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	46
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	46
5	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141918.D
Acq On : 11 Mar 2025 16:12
Operator : RC/JU
Sample : Q1514-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

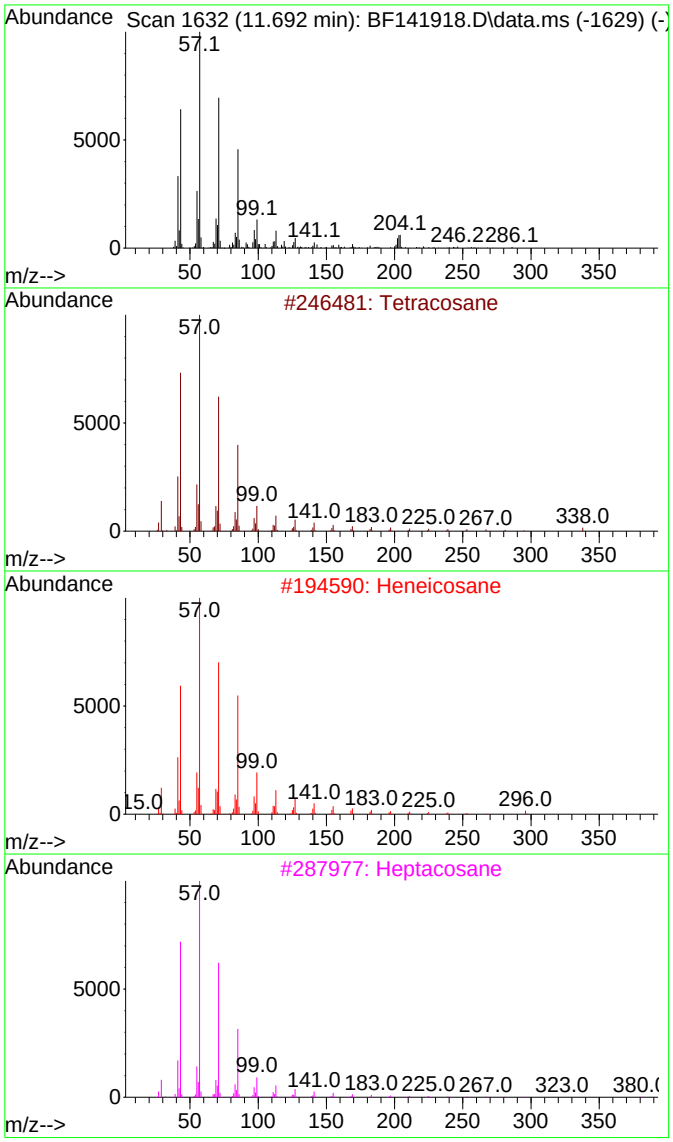
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

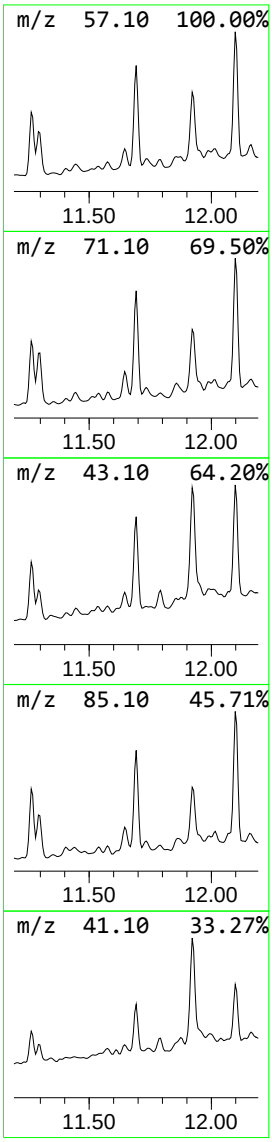
****

Peak Number 6 Tetracosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.692	2.84 ng	173624	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	87
2	Heneicosane	296	C21H44	000629-94-7	87
3	Heptacosane	380	C27H56	000593-49-7	87
4	Octadecane	254	C18H38	000593-45-3	86
5	Heptadecane	240	C17H36	000629-78-7	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141918.D
Acq On : 11 Mar 2025 16:12
Operator : RC/JU
Sample : Q1514-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

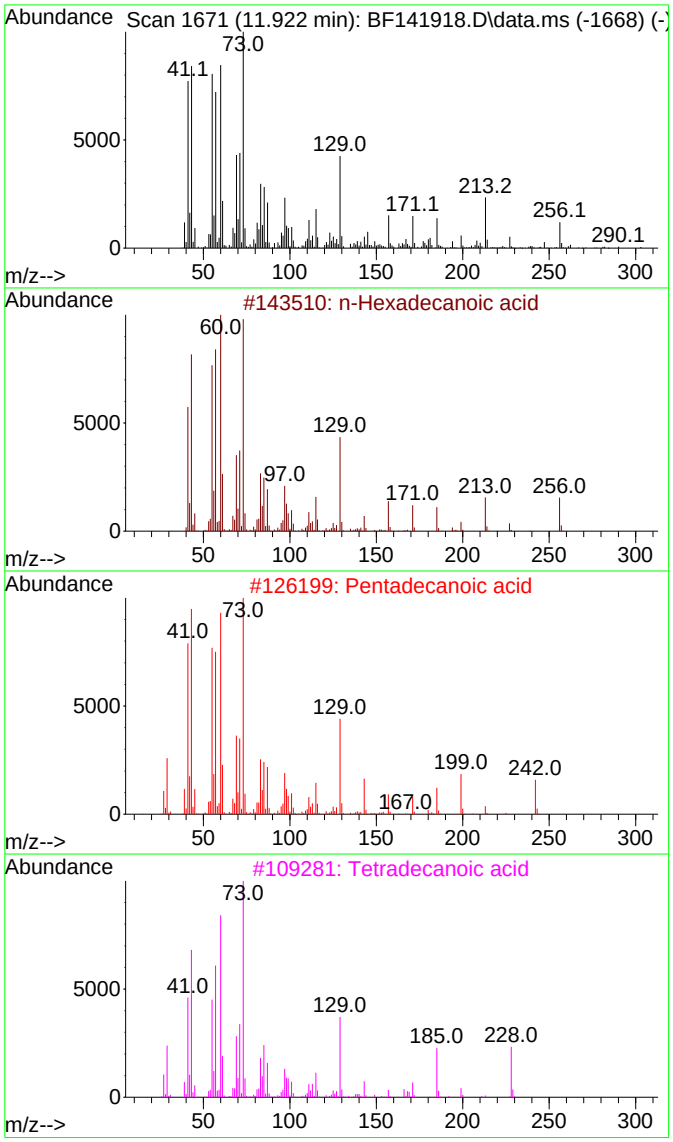
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

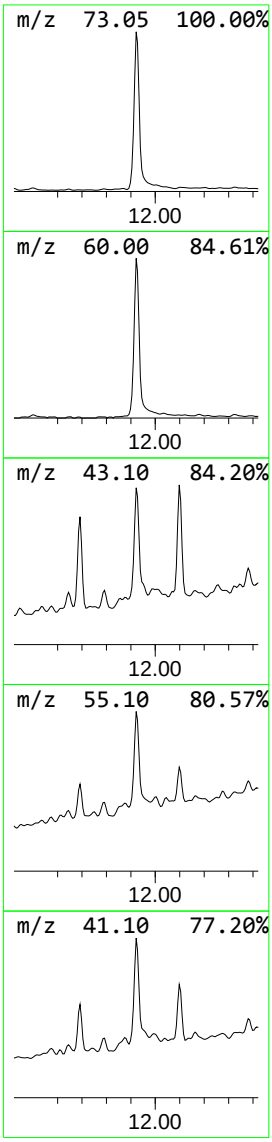
****

Peak Number 7 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.922	8.92 ng	545663	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	87
4	Octadecanoic acid	284	C18H36O2	000057-11-4	87
5	Tridecanoic acid	214	C13H26O2	000638-53-9	86





Sample Results: **BF141918.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141918.D
Acq On : 11 Mar 2025 16:12
Operator : RC/JU
Sample : Q1514-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

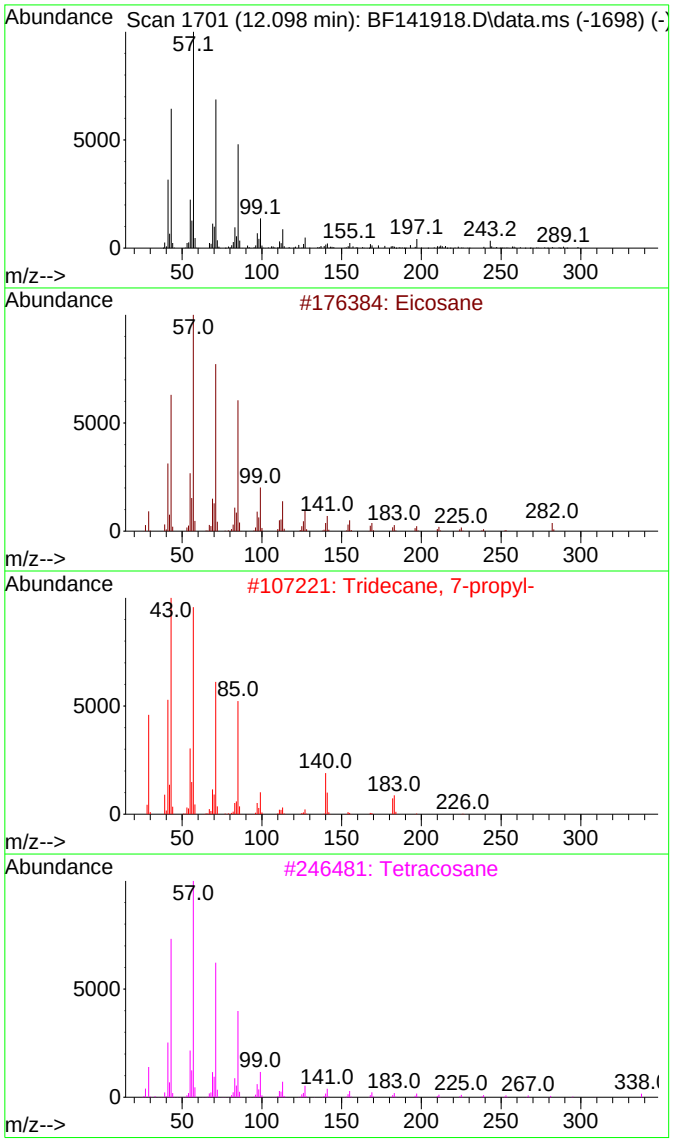
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

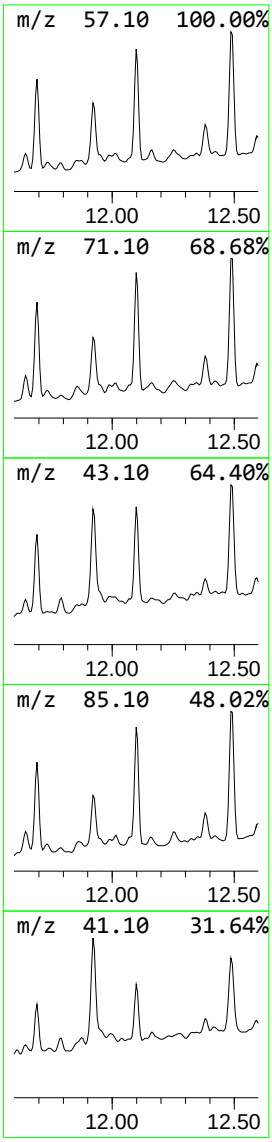
****

Peak Number 8 Eicosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.098	3.63 ng	221818	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	95
2	Tridecane, 7-propyl-	226	C16H34	055045-09-5	90
3	Tetracosane	338	C24H50	000646-31-1	87
4	Tridecane, 6-propyl-	226	C16H34	055045-10-8	87
5	2-Bromo dodecane	248	C12H25Br	013187-99-0	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141918.D
Acq On : 11 Mar 2025 16:12
Operator : RC/JU
Sample : Q1514-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

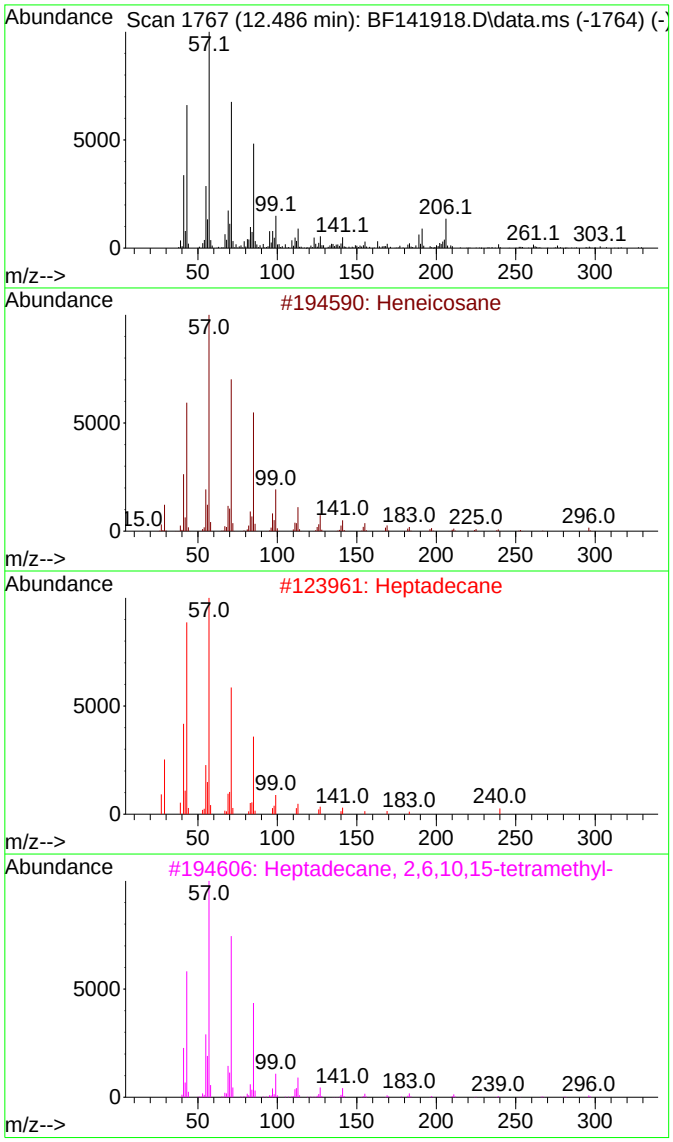
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

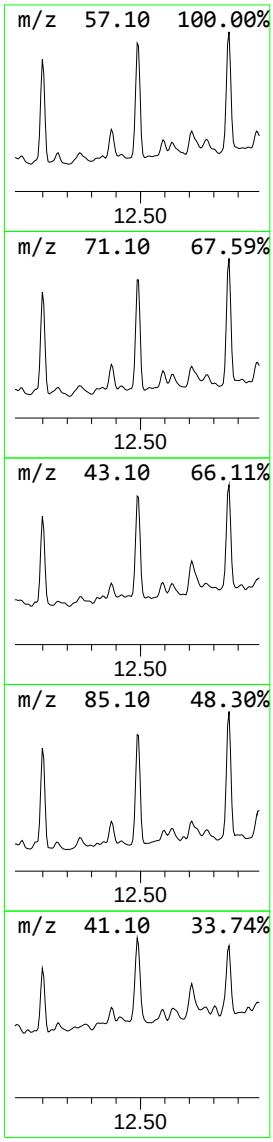
****

Peak Number 9 Heneicosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.486	7.99 ng	488302	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	96
2	Heptadecane	240	C17H36	000629-78-7	95
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	91
4	Eicosane	282	C20H42	000112-95-8	76
5	Hexacosane	366	C26H54	000630-01-3	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141918.D
Acq On : 11 Mar 2025 16:12
Operator : RC/JU
Sample : Q1514-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

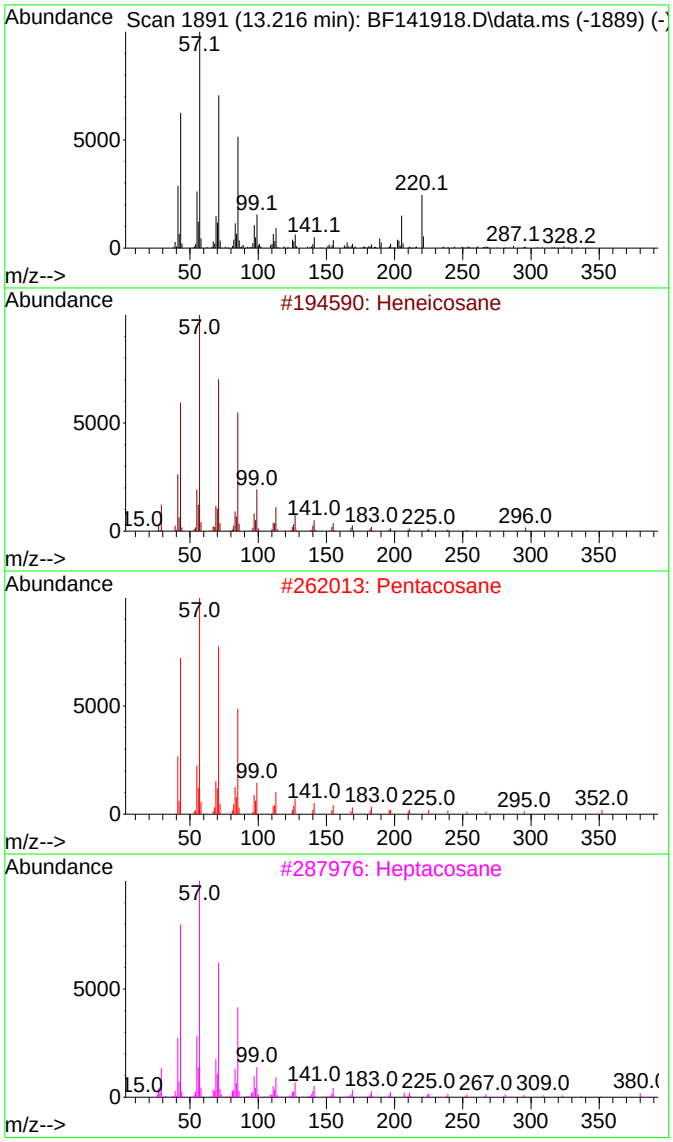
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

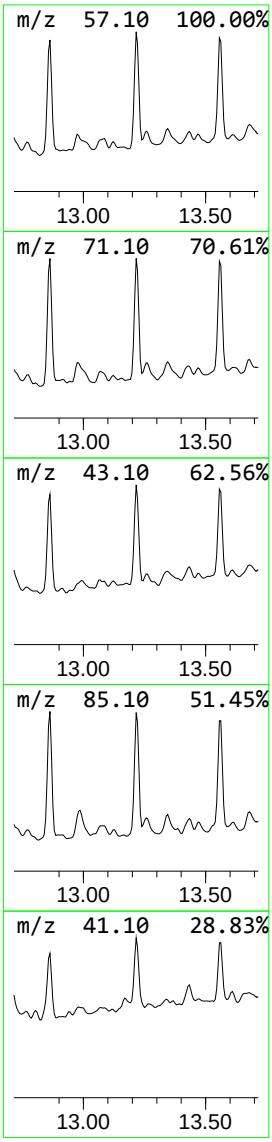
****

Peak Number 10 Pentacosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.216	5.01 ng	309009	Chrysene-d12	14.039

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	98
2	Pentacosane	352	C25H52	000629-99-2	76
3	Heptacosane	380	C27H56	000593-49-7	76
4	Heptadecane	240	C17H36	000629-78-7	76
5	Hexacosane	366	C26H54	000630-01-3	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141918.D
Acq On : 11 Mar 2025 16:12
Operator : RC/JU
Sample : Q1514-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-105-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	2.152	30.3	ng	1364180	1	6.881	900092	20.0
Benzophenone	10.628	7.0	ng	460753	3	9.916	1314180	20.0
Heptadecane	10.822	3.0	ng	181443	4	11.398	1222950	20.0
Dodecane, 2-met...	11.263	2.2	ng	131939	4	11.398	1222950	20.0
Dibenzothiophene	11.292	2.1	ng	125911	4	11.398	1222950	20.0
Tetracosane	11.692	2.8	ng	173624	4	11.398	1222950	20.0
n-Hexadecanoic ...	11.922	8.9	ng	545663	4	11.398	1222950	20.0
Eicosane	12.098	3.6	ng	221818	4	11.398	1222950	20.0
Heneicosane	12.486	8.0	ng	488302	4	11.398	1222950	20.0
Pentacosane	13.216	5.0	ng	309009	5	14.039	1232660	20.0

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB02	SDG No.:	Q1514
Lab Sample ID:	Q1514-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	81
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064065.D	1	03/07/25 08:55	03/07/25 19:01	PB167031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	220	U	220	410	ug/Kg
108-95-2	Phenol	100	U	100	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	100	U	100	210	ug/Kg
95-57-8	2-Chlorophenol	100	U	100	210	ug/Kg
95-48-7	2-Methylphenol	99.4	U	99.4	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	110	U	110	210	ug/Kg
98-86-2	Acetophenone	110	U	110	210	ug/Kg
65794-96-9	3+4-Methylphenols	98.4	U	98.4	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	49.7	U	49.7	98.7	ug/Kg
67-72-1	Hexachloroethane	100	U	100	210	ug/Kg
98-95-3	Nitrobenzene	110	U	110	210	ug/Kg
78-59-1	Isophorone	100	U	100	210	ug/Kg
88-75-5	2-Nitrophenol	120	U	120	210	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	210	ug/Kg
120-83-2	2,4-Dichlorophenol	93.1	U	93.1	210	ug/Kg
91-20-3	Naphthalene	100	U	100	210	ug/Kg
106-47-8	4-Chloroaniline	100	UQ	100	210	ug/Kg
87-68-3	Hexachlorobutadiene	100	U	100	210	ug/Kg
105-60-2	Caprolactam	110	U	110	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	95.6	U	95.6	210	ug/Kg
91-57-6	2-Methylnaphthalene	100	U	100	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	190	U	190	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	88.1	U	88.1	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	91.3	U	91.3	210	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	210	ug/Kg
91-58-7	2-Chloronaphthalene	100	U	100	210	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	210	ug/Kg
131-11-3	Dimethylphthalate	100	U	100	210	ug/Kg

Raw Data: **BG064065.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB02	SDG No.:	Q1514
Lab Sample ID:	Q1514-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	81
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064065.D	1	03/07/25 08:55	03/07/25 19:01	PB167031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	110	U	110	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	100	U	100	210	ug/Kg
99-09-2	3-Nitroaniline	110	UQ	110	210	ug/Kg
83-32-9	Acenaphthene	100	U	100	210	ug/Kg
51-28-5	2,4-Dinitrophenol	300	U	300	410	ug/Kg
100-02-7	4-Nitrophenol	140	U	140	410	ug/Kg
132-64-9	Dibenzofuran	100	U	100	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	210	ug/Kg
84-66-2	Diethylphthalate	98.8	U	98.8	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	210	ug/Kg
86-73-7	Fluorene	110	U	110	210	ug/Kg
100-01-6	4-Nitroaniline	130	U	130	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	140	U	140	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	97.3	U	97.3	210	ug/Kg
118-74-1	Hexachlorobenzene	100	U	100	210	ug/Kg
1912-24-9	Atrazine	110	U	110	210	ug/Kg
87-86-5	Pentachlorophenol	95.3	U	95.3	410	ug/Kg
85-01-8	Phenanthrene	100	U	100	210	ug/Kg
120-12-7	Anthracene	100	U	100	210	ug/Kg
86-74-8	Carbazole	99.0	U	99.0	210	ug/Kg
84-74-2	Di-n-butylphthalate	100	U	100	210	ug/Kg
206-44-0	Fluoranthene	100	U	100	210	ug/Kg
129-00-0	Pyrene	100	U	100	210	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	120	UQ	120	410	ug/Kg
56-55-3	Benzo(a)anthracene	99.5	U	99.5	210	ug/Kg
218-01-9	Chrysene	98.1	U	98.1	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	210	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	100	U	100	210	ug/Kg

Raw Data: **BG064065.D**

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Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB02	SDG No.:	Q1514
Lab Sample ID:	Q1514-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	81
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064065.D	1	03/07/25 08:55	03/07/25 19:01	PB167031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	100	U	100	210	ug/Kg
50-32-8	Benzo(a)pyrene	110	U	110	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	96.3	U	96.3	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	100	U	100	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	98.8	U	98.8	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	210	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	92.1	U	92.1	210	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	106		30 (18) - 130 (112)	71%	SPK: 150
13127-88-3	Phenol-d6	102		30 (15) - 130 (107)	68%	SPK: 150
4165-60-0	Nitrobenzene-d5	69.0		30 (18) - 130 (107)	69%	SPK: 100
321-60-8	2-Fluorobiphenyl	66.0		30 (20) - 130 (109)	66%	SPK: 100
118-79-6	2,4,6-Tribromophenol	118		30 (10) - 130 (116)	79%	SPK: 150
1718-51-0	Terphenyl-d14	64.2		30 (10) - 130 (105)	64%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	32500	7.861			
1146-65-2	Naphthalene-d8	142000	10.652			
15067-26-2	Acenaphthene-d10	99700	14.483			
1517-22-2	Phenanthrene-d10	241000	17.227			
1719-03-5	Chrysene-d12	247000	21.457			
1520-96-3	Perylene-d12	266000	24.477			
TENTATIVE IDENTIFIED COMPOUNDS						
000119-61-9	Benzophenone	380	J		15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	180	J		18.1	ug/Kg
1000351-89-0	Hexatriacontyl pentafluoropropiona	97.0	J		21.2	ug/Kg

Raw Data: **BG064065.D**

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Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB02	SDG No.:	Q1514
Lab Sample ID:	Q1514-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	81
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064065.D	1	03/07/25 08:55	03/07/25 19:01	PB167031

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

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

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

Sample Results: **BG064065.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064065.D
Acq On : 7 Mar 2025 19:01
Operator : RC/JU
Sample : Q1514-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02

Quant Time: Mar 07 22:56:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

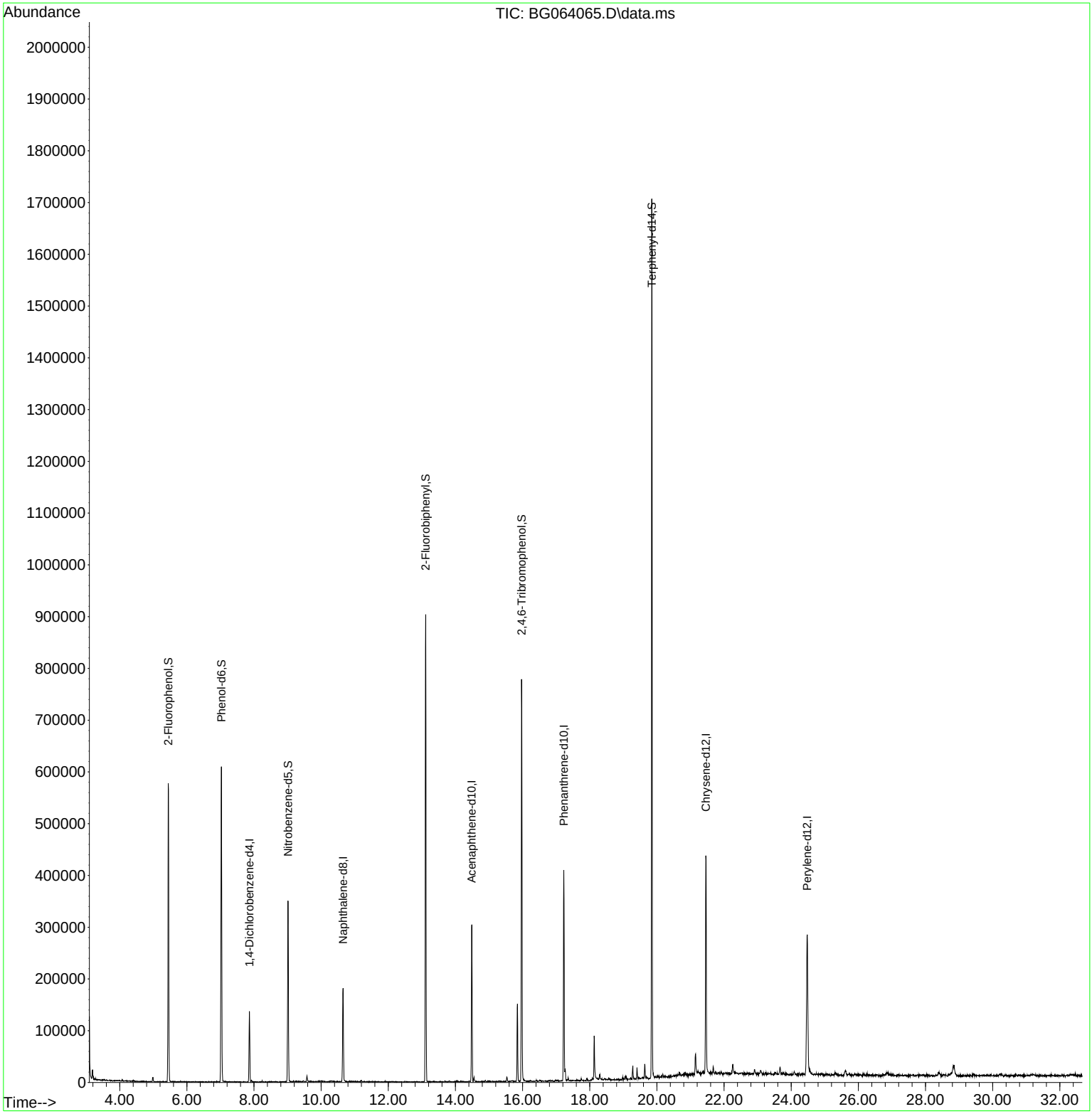
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.861	152	32518	20.000	ng	0.00
21) Naphthalene-d8	10.652	136	142122	20.000	ng	# 0.00
39) Acenaphthene-d10	14.483	164	99745	20.000	ng	0.00
64) Phenanthrene-d10	17.227	188	240718	20.000	ng	0.00
76) Chrysene-d12	21.457	240	246568	20.000	ng	0.00
86) Perylene-d12	24.477	264	266034	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.452	112	220587	105.921	ng	0.00
7) Phenol-d6	7.027	99	290337	102.481	ng	0.00
23) Nitrobenzene-d5	9.013	82	177550	69.038	ng	0.00
42) 2,4,6-Tribromophenol	15.969	330	130891	118.054	ng	0.00
45) 2-Fluorobiphenyl	13.114	172	433761	66.008	ng	0.00
79) Terphenyl-d14	19.847	244	782644	64.181	ng	0.00
Target Compounds						Qvalue

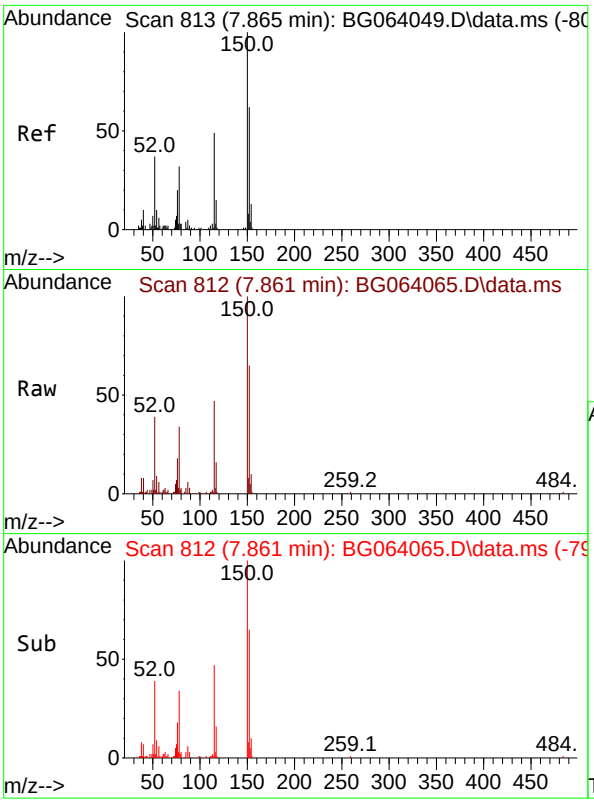
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064065.D
Acq On : 7 Mar 2025 19:01
Operator : RC/JU
Sample : Q1514-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02

Quant Time: Mar 07 22:56:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration



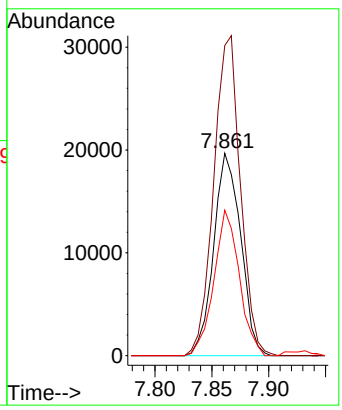


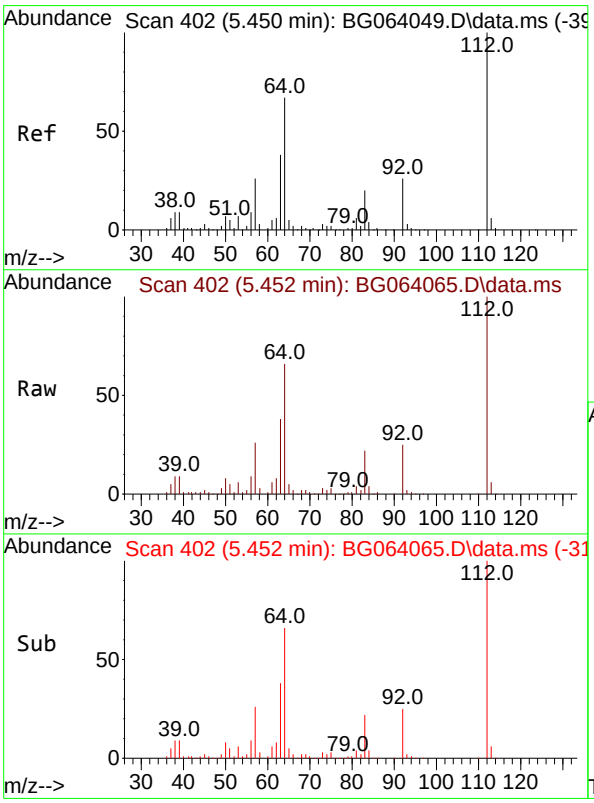
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.861 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG064065.D
Acq: 7 Mar 2025 19:01

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02

Tgt Ion:152 Resp: 32518

Ion	Ratio	Lower	Upper
152	100		
150	153.3	129.2	193.8
115	71.9	63.0	94.6

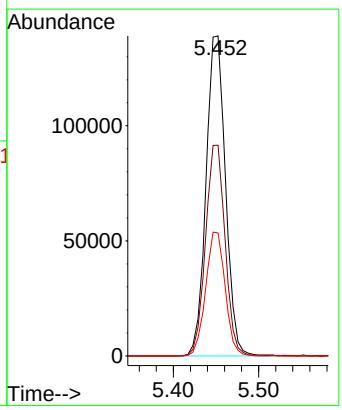


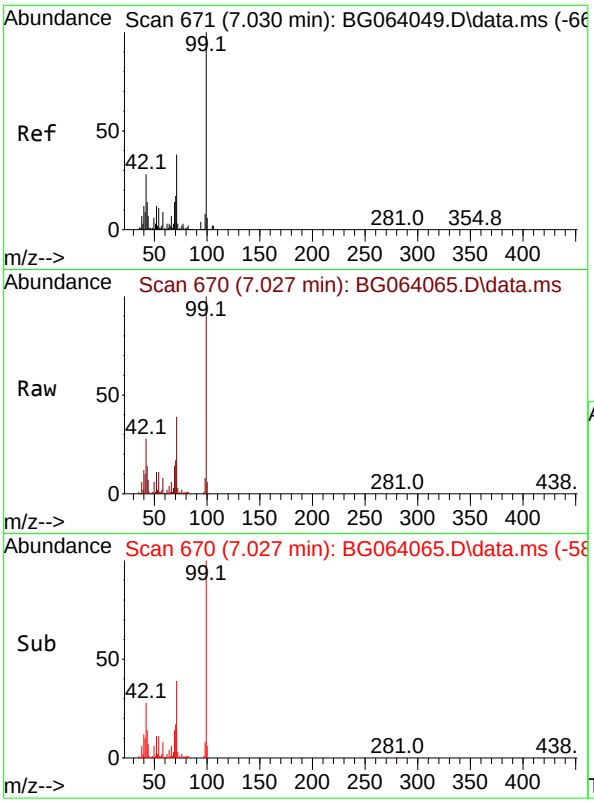


#5
2-Fluorophenol
Concen: 105.921 ng
RT: 5.452 min Scan# 402
Delta R.T. 0.002 min
Lab File: BG064065.D
Acq: 7 Mar 2025 19:01

Tgt Ion:112 Resp: 220587

Ion	Ratio	Lower	Upper
112	100		
64	65.9	53.7	80.5
63	38.4	30.2	45.4



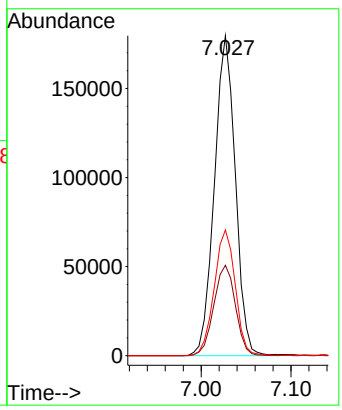


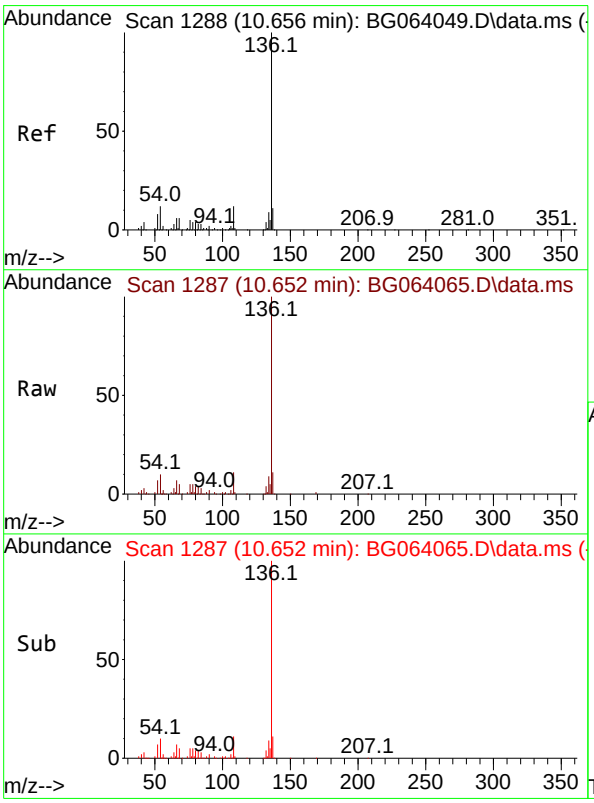
#7
Phenol-d6
Concen: 102.481 ng
RT: 7.027 min Scan# 6
Delta R.T. -0.003 min
Lab File: BG064065.D
Acq: 7 Mar 2025 19:01

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02

Tgt Ion: 99 Resp: 290337

Ion	Ratio	Lower	Upper
99	100		
42	28.3	22.7	34.1
71	39.3	30.6	46.0

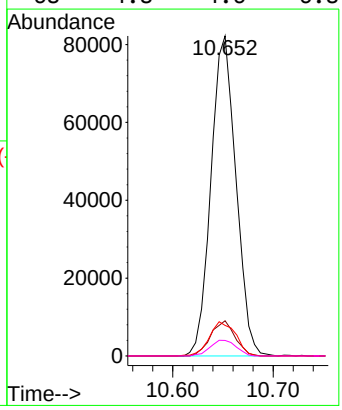


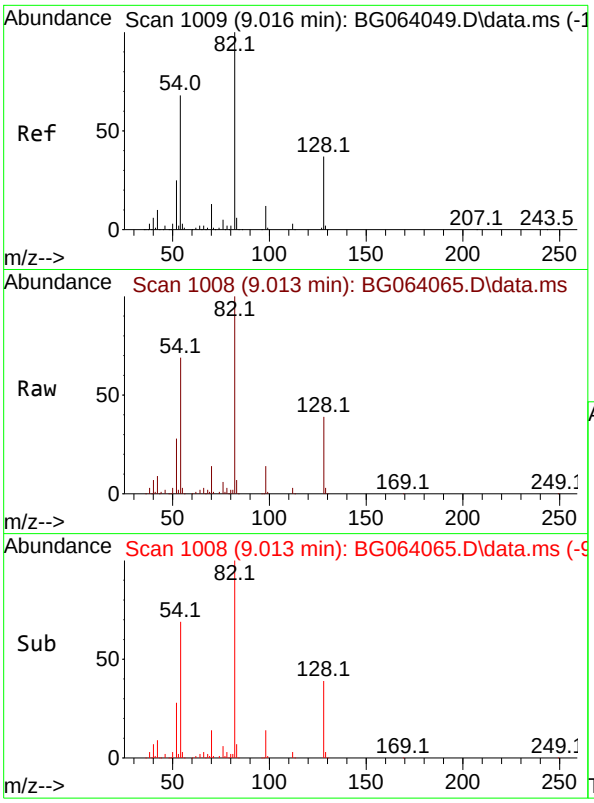


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.652 min Scan# 1287
Delta R.T. -0.004 min
Lab File: BG064065.D
Acq: 7 Mar 2025 19:01

Tgt Ion:136 Resp: 142122

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	9.6	9.9	14.9#
68	4.8	4.6	6.8



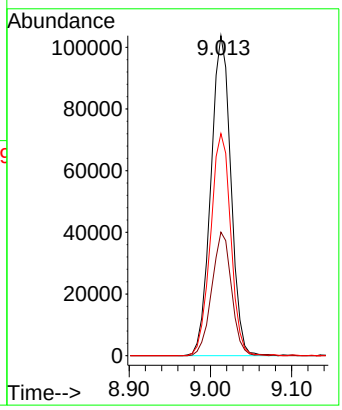


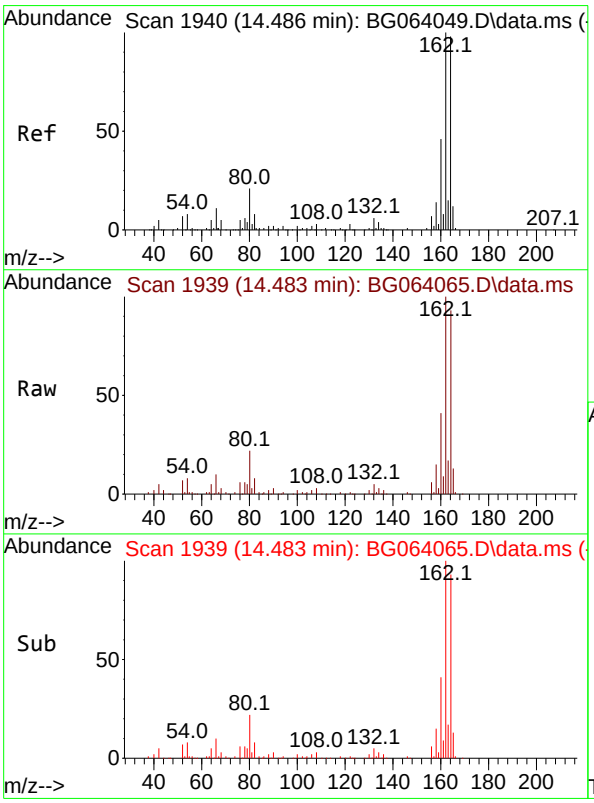
#23
Nitrobenzene-d5
Concen: 69.038 ng
RT: 9.013 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064065.D
Acq: 7 Mar 2025 19:01

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02

Tgt Ion: 82 Resp: 177550

Ion	Ratio	Lower	Upper
82	100		
128	38.6	30.0	45.0
54	69.4	54.7	82.1

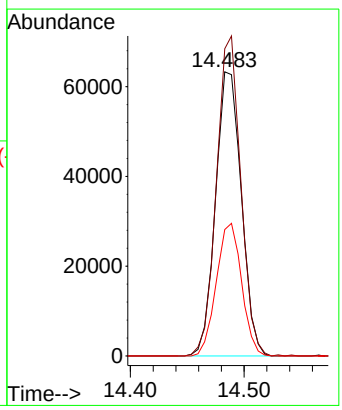


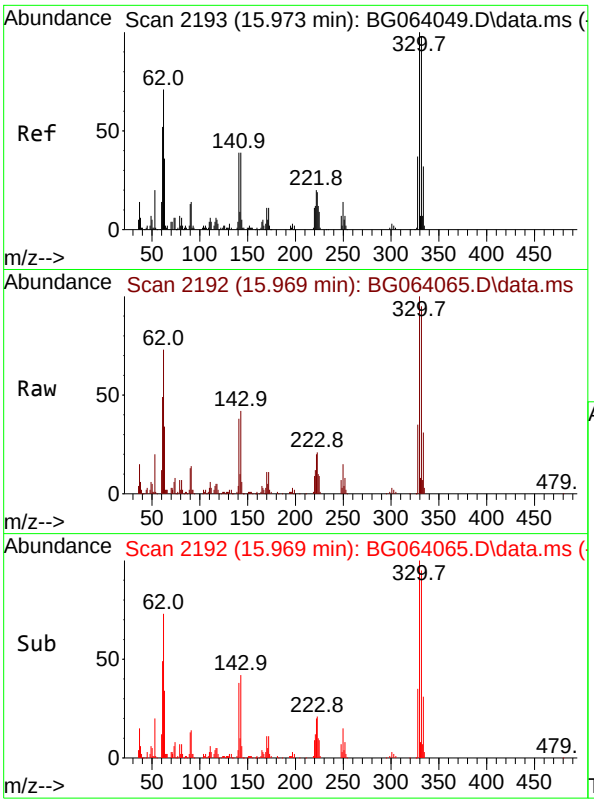


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.483 min Scan# 1939
Delta R.T. -0.003 min
Lab File: BG064065.D
Acq: 7 Mar 2025 19:01

Tgt Ion:164 Resp: 99745

Ion	Ratio	Lower	Upper
164	100		
162	108.1	81.4	122.0
160	44.5	37.0	55.6



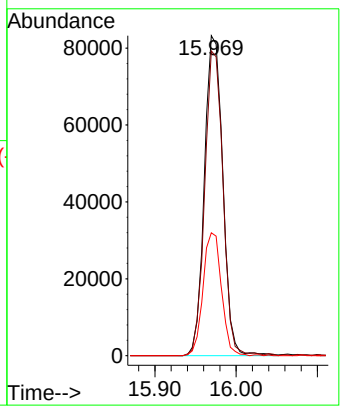


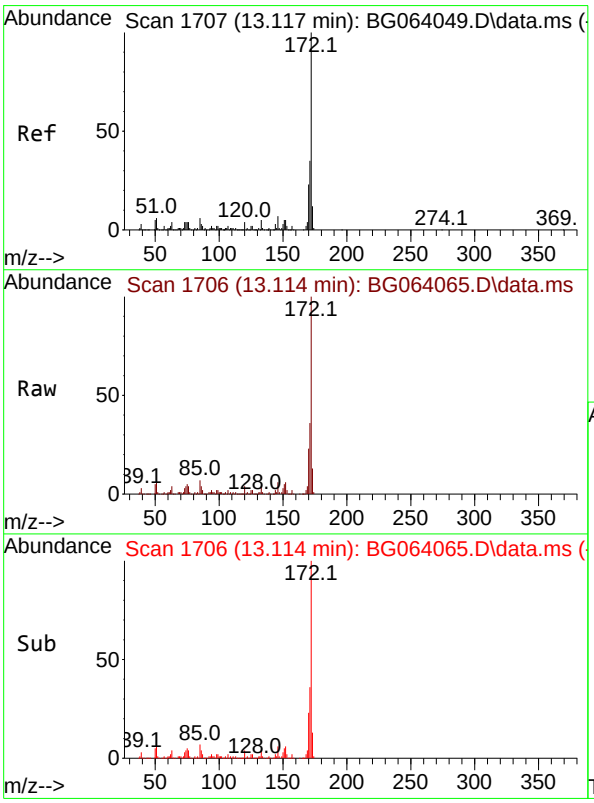
#42
2,4,6-Tribromophenol
Concen: 118.054 ng
RT: 15.969 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG064065.D
Acq: 7 Mar 2025 19:01

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02

Tgt Ion:330 Resp: 130891

Ion	Ratio	Lower	Upper
330	100		
332	94.5	76.7	115.1
141	38.3	29.7	44.5

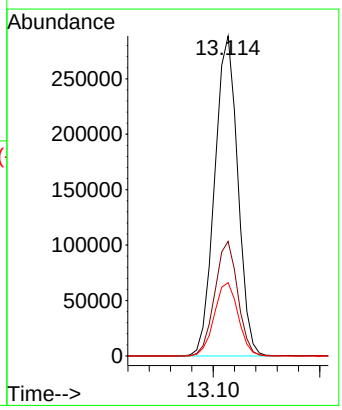


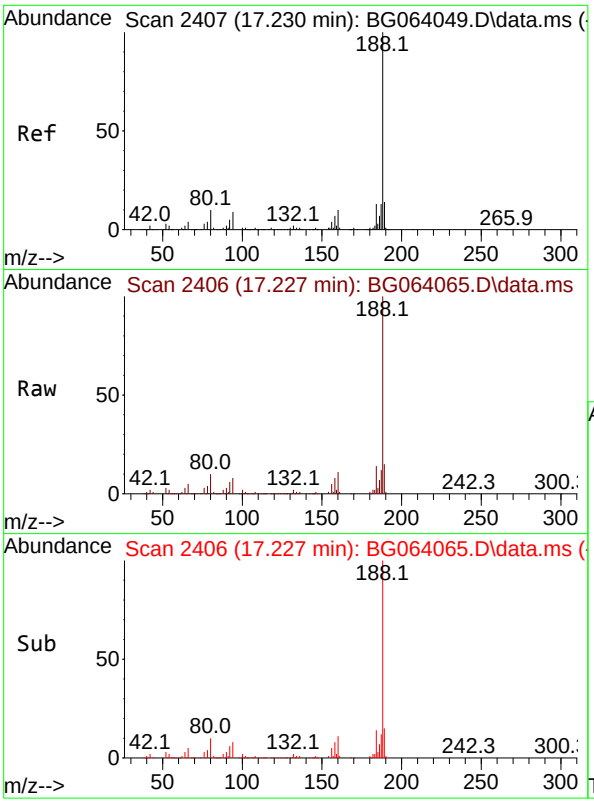


#45
2-Fluorobiphenyl
Concen: 66.008 ng
RT: 13.114 min Scan# 1706
Delta R.T. -0.003 min
Lab File: BG064065.D
Acq: 7 Mar 2025 19:01

Tgt Ion:172 Resp: 433761

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.0	42.0
170	22.9	18.7	28.1



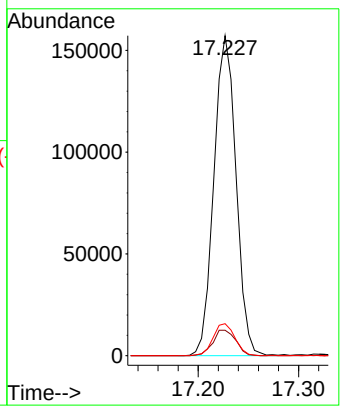


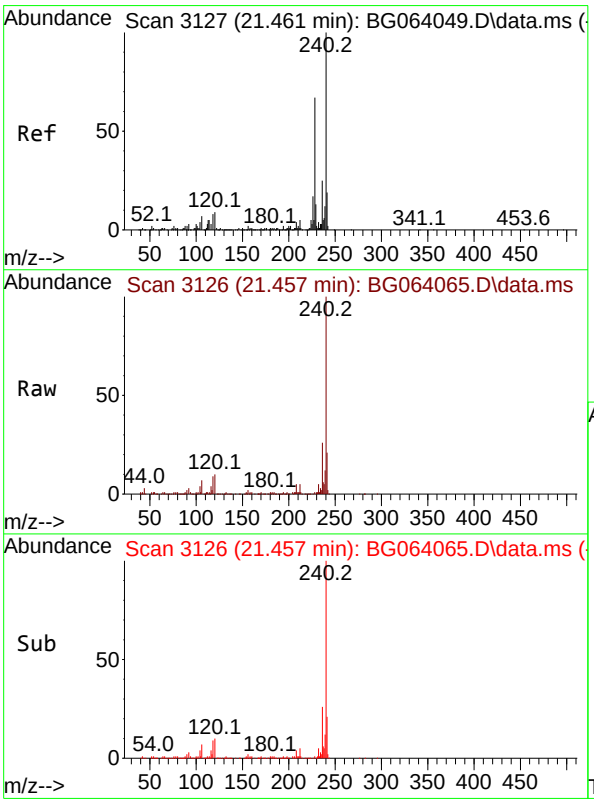
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.227 min Scan# 24
Delta R.T. -0.003 min
Lab File: BG064065.D
Acq: 7 Mar 2025 19:01

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02

Tgt Ion:188 Resp: 240718

Ion	Ratio	Lower	Upper
188	100		
94	8.0	6.9	10.3
80	10.0	8.1	12.1

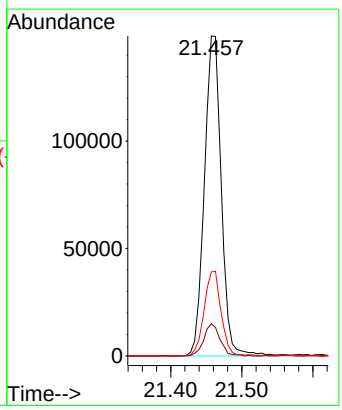


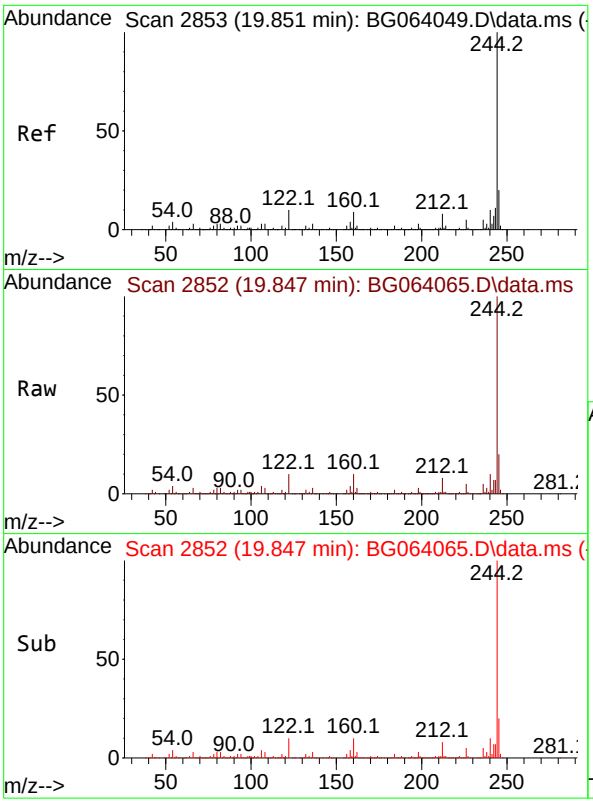


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.457 min Scan# 3126
Delta R.T. -0.003 min
Lab File: BG064065.D
Acq: 7 Mar 2025 19:01

Tgt Ion:240 Resp: 246568

Ion	Ratio	Lower	Upper
240	100		
120	10.1	7.2	10.8
236	26.3	20.2	30.2



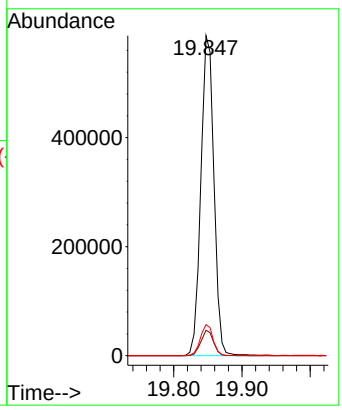


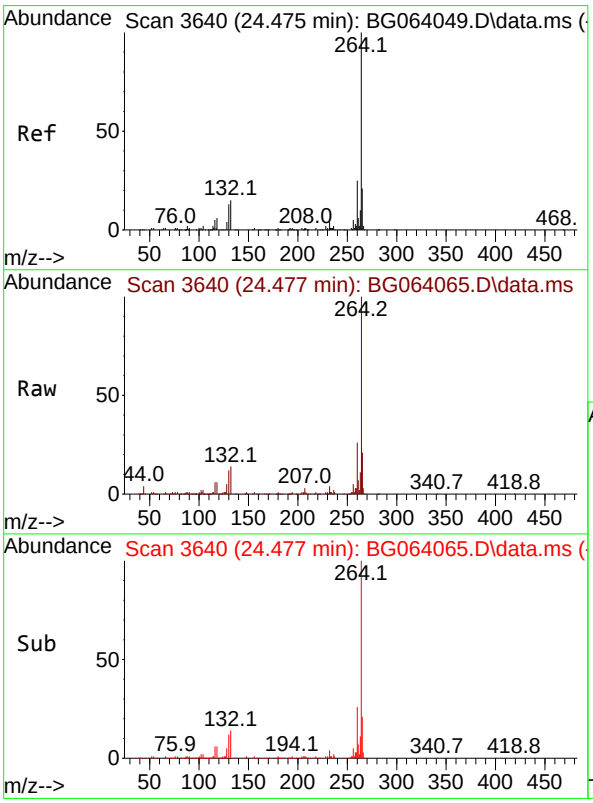
#79
Terphenyl-d14
Concen: 64.181 ng
RT: 19.847 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064065.D
Acq: 7 Mar 2025 19:01

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02

Tgt Ion:244 Resp: 782644

Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.2	9.4
122	9.7	8.0	12.0

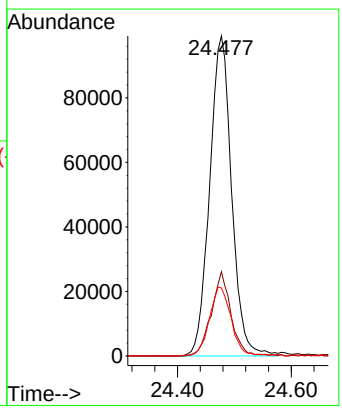




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.477 min Scan# 3640
Delta R.T. 0.002 min
Lab File: BG064065.D
Acq: 7 Mar 2025 19:01

Tgt Ion:264 Resp: 266034

Ion	Ratio	Lower	Upper
264	100		
260	26.3	19.6	29.4
265	21.2	16.6	25.0



Sample Results: **BG064065.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064065.D
Acq On : 7 Mar 2025 19:01
Operator : RC/JU
Sample : Q1514-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG064065.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.446	395	401	410	rBV	576722	899680	40.38%	8.191%
2	7.027	662	670	678	rBV	609541	1009720	45.32%	9.193%
3	7.861	805	812	820	rBV2	136822	223433	10.03%	2.034%
4	9.013	1000	1008	1015	rBV	349514	590932	26.53%	5.380%
5	10.652	1278	1287	1295	rBV	180339	318041	14.28%	2.896%
6	13.114	1699	1706	1714	rVB	902299	1359564	61.03%	12.379%
7	14.489	1933	1940	1946	rVB	303558	468449	21.03%	4.265%
8	15.846	2164	2171	2178	rBV	150606	216859	9.73%	1.974%
9	15.969	2185	2192	2201	rBV	776863	1179521	52.95%	10.739%
10	17.227	2399	2406	2411	rBV2	407603	625479	28.08%	5.695%
11	17.268	2411	2413	2417	rVB2	22838	26653	1.20%	0.243%
12	18.132	2553	2560	2572	rBV2	85094	138792	6.23%	1.264%
13	19.283	2751	2756	2759	rBV	26331	35788	1.61%	0.326%
14	19.407	2774	2777	2783	rVB4	21619	25997	1.17%	0.237%
15	19.636	2812	2816	2820	rBV	26681	35061	1.57%	0.319%
16	19.847	2846	2852	2866	rVB	1698190	2227815	100.00%	20.284%
17	21.152	3069	3074	3081	rBV3	40523	82505	3.70%	0.751%
18	21.457	3119	3126	3134	rBV	420898	699170	31.38%	6.366%
19	22.262	3258	3263	3269	rBV6	17203	31251	1.40%	0.285%
20	23.666	3496	3502	3507	rBV5	14638	30583	1.37%	0.278%
21	24.477	3629	3640	3650	rBV2	271477	729487	32.74%	6.642%
22	25.617	3827	3834	3841	rVB10	10197	28412	1.28%	0.259%

Sum of corrected areas: 10983192

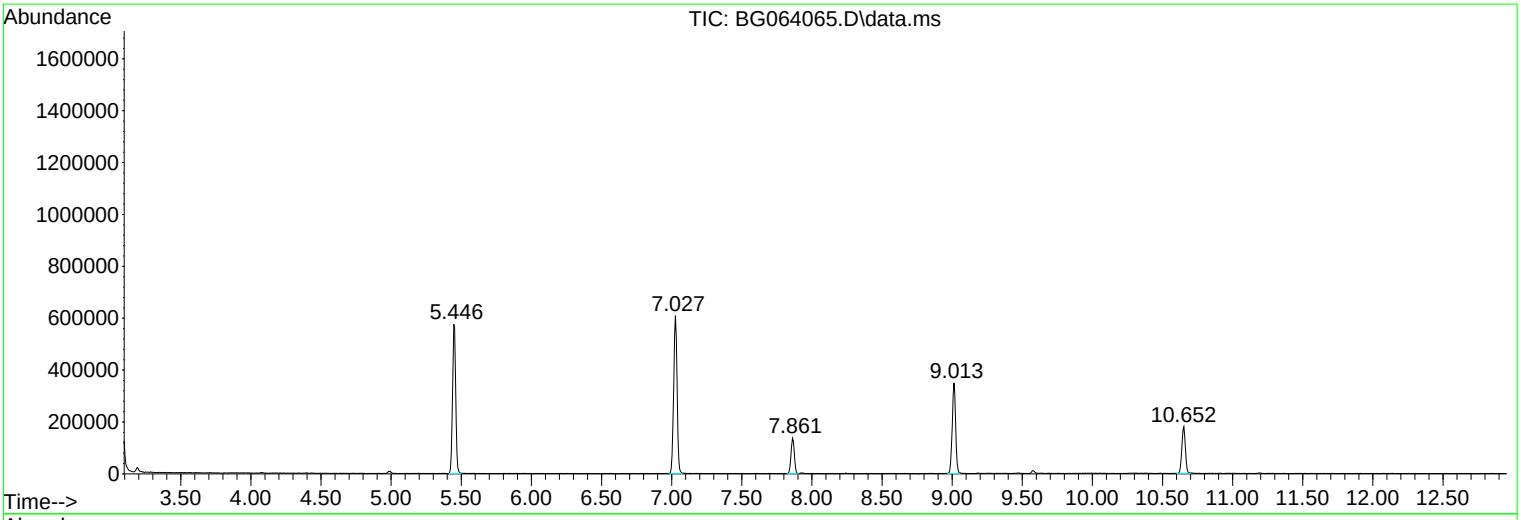
Sample Results: **BG064065.D**

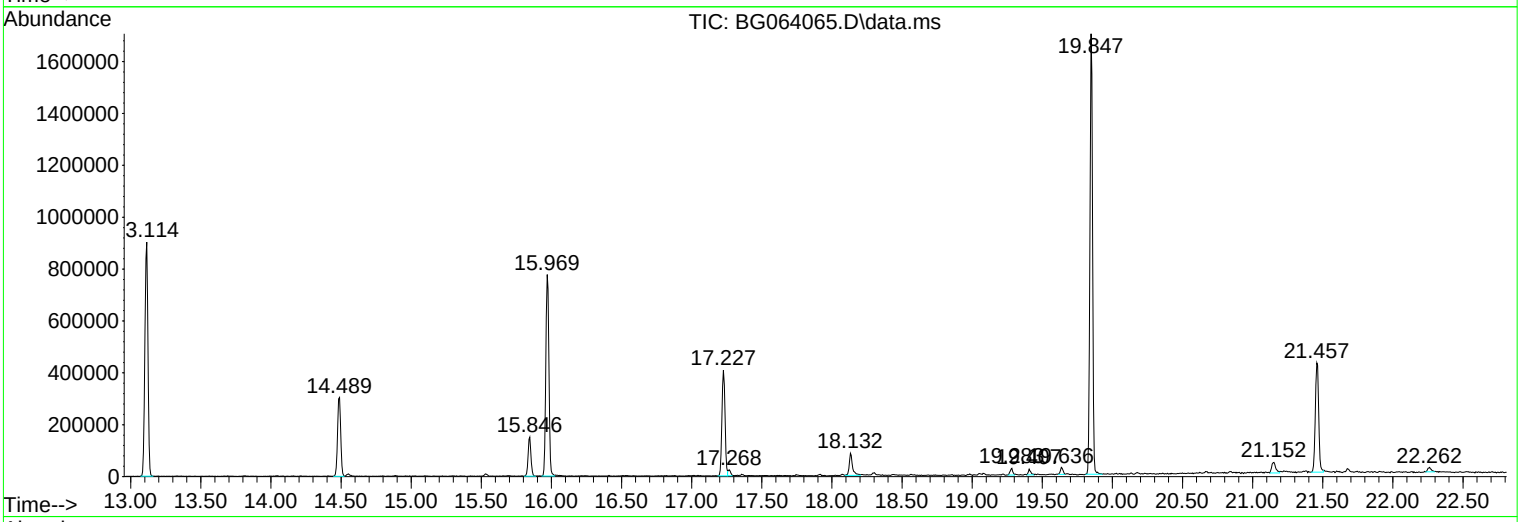
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064065.D
Acq On : 7 Mar 2025 19:01
Operator : RC/JU
Sample : Q1514-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

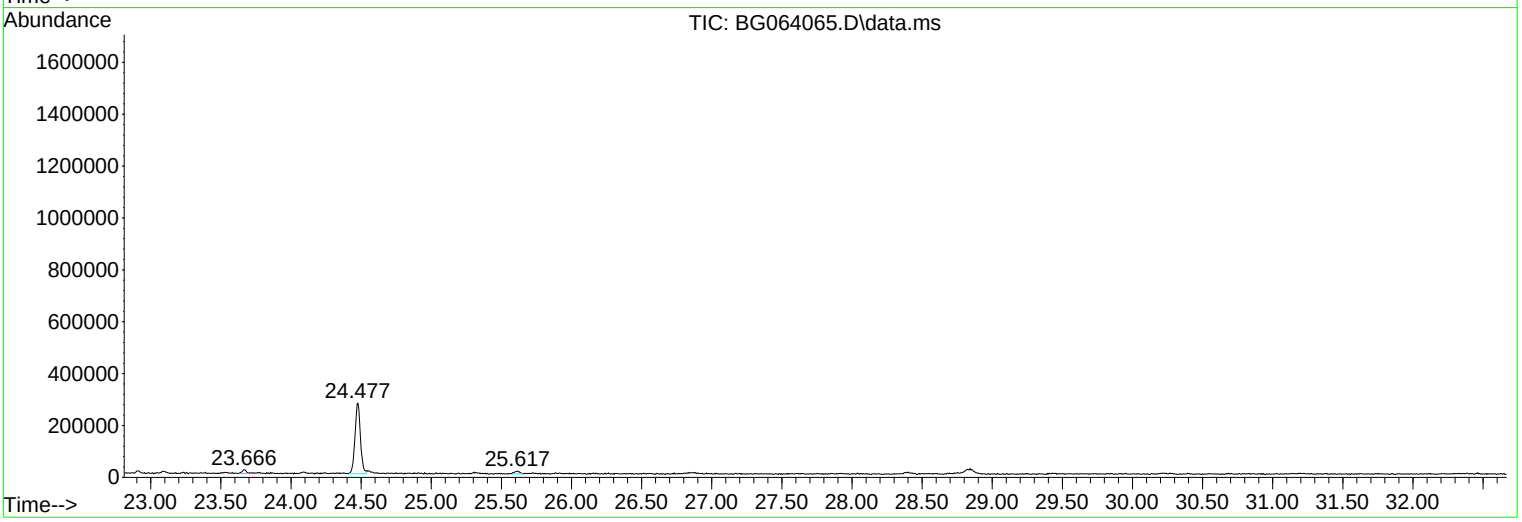
Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064065.D
Acq On : 7 Mar 2025 19:01
Operator : RC/JU
Sample : Q1514-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

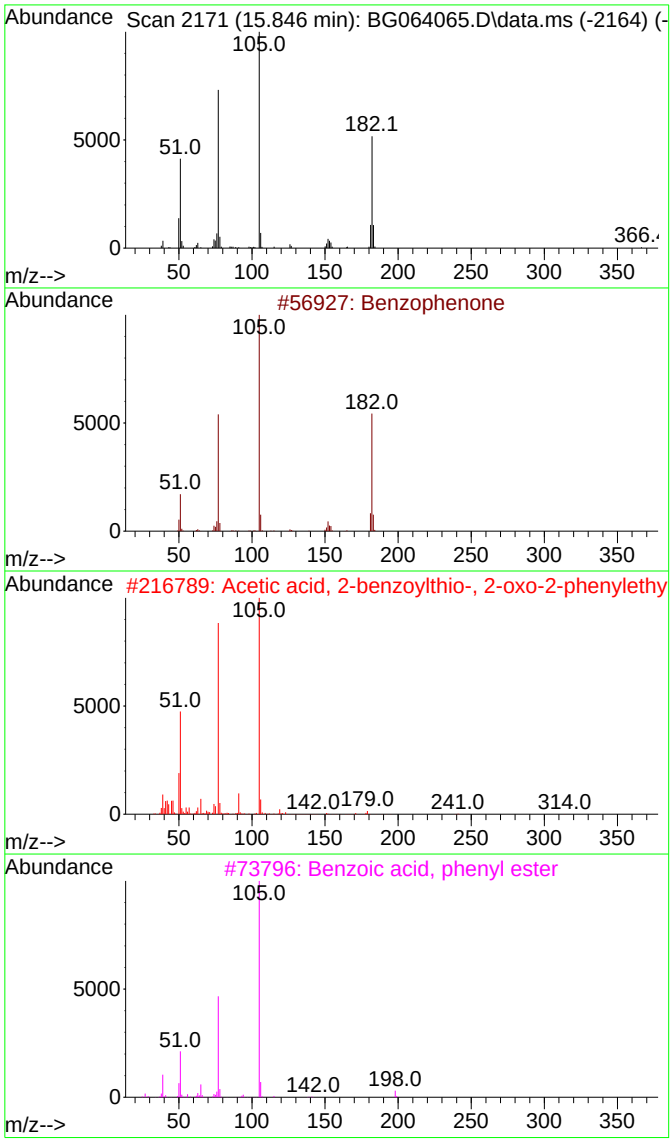
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

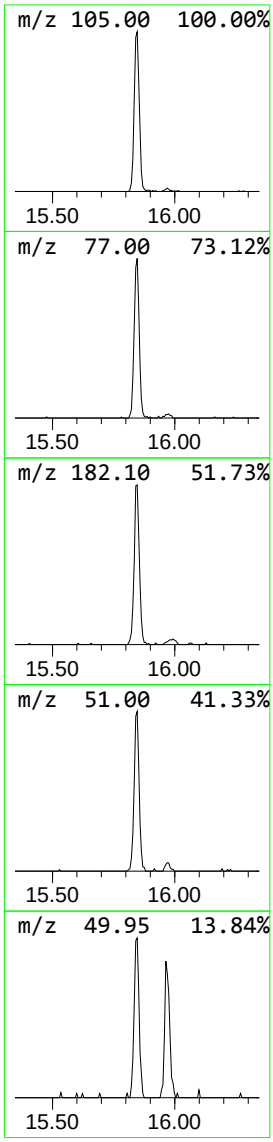
****

Peak Number 1 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.846	9.26 ng	216859	Acenaphthene-d10	14.483

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	97
2	Acetic acid, 2-benzoylthio-, 2-o...	314	C17H14O4S	1000260-20-1	50
3	Benzoic acid, phenyl ester	198	C13H10O2	000093-99-2	50
4	Ethanone, 2-(5-nitrotetrazol-2-y...	233	C9H7N5O3	1000310-77-2	50
5	Pentafluoroethyl phenyl ketone	224	C9H5F5O	000394-52-5	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064065.D
Acq On : 7 Mar 2025 19:01
Operator : RC/JU
Sample : Q1514-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

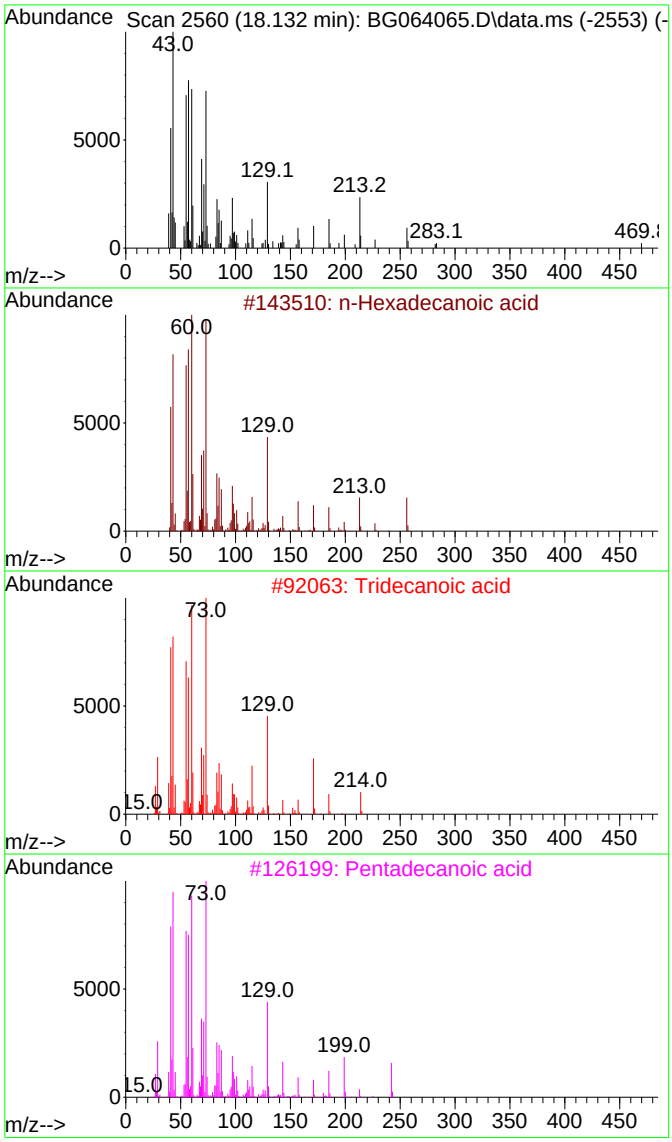
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

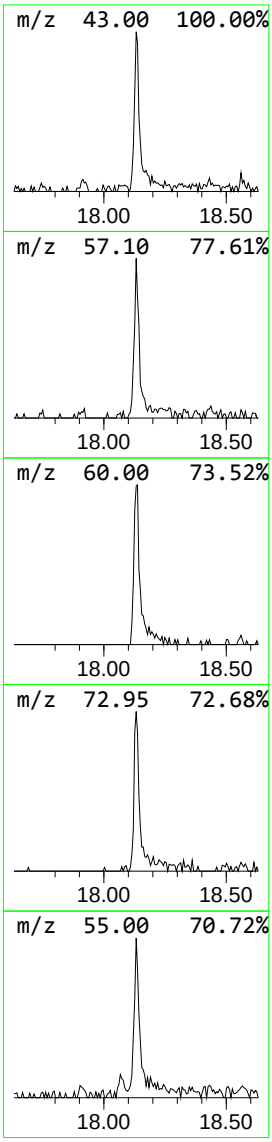
****

Peak Number 2 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.132	4.44 ng	138792	Phenanthrene-d10	17.227

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tridecanoic acid	214	C13H26O2	000638-53-9	91
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	58
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	58
5	Octadecanoic acid	284	C18H36O2	000057-11-4	45





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064065.D
Acq On : 7 Mar 2025 19:01
Operator : RC/JU
Sample : Q1514-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02

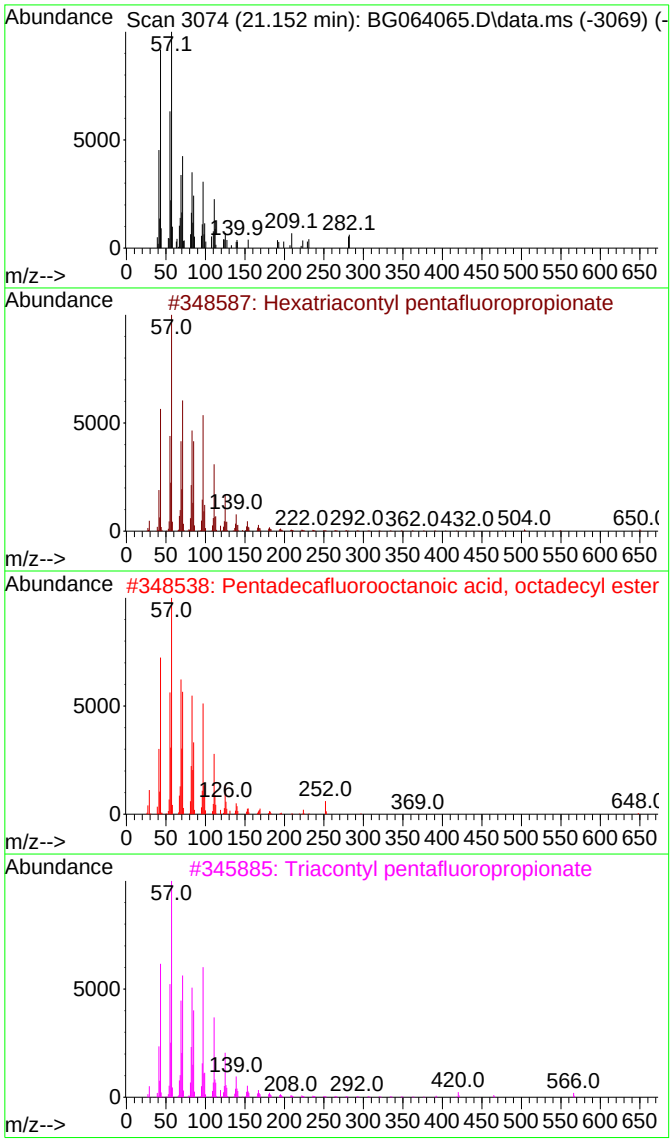
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

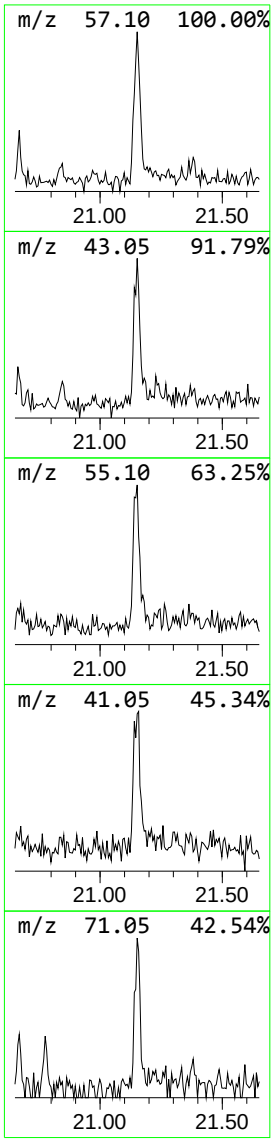
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Hexatriacontyl pentafluorop... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.152	2.36 ng	82505	Chrysene-d12	21.457

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexatriacontyl pentafluoropropio...	669	C39H73F5O2	1000351-89-0	87
2	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	86
3	Triacontyl pentafluoropropionate	584	C33H61F5O2	1000351-80-0	86
4	Triacontyl trifluoroacetate	534	C32H61F3O2	1000351-75-7	86
5	1-Dodecanol, 2-octyl-	298	C20H42O	005333-42-6	83





Sample Results: **BG064065.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064065.D
Acq On : 7 Mar 2025 19:01
Operator : RC/JU
Sample : Q1514-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzophenone	15.846	9.3	ng	216859	3	14.483	468449	20.0
n-Hexadecanoic ...	18.132	4.4	ng	138792	4	17.227	625479	20.0
Hexatriacontyl ...	21.152	2.4	ng	82505	5	21.457	699170	20.0

Raw Data: **BF141915.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-103-SB01	SDG No.:	Q1514
Lab Sample ID:	Q1514-05	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	89.1
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141915.D	1	03/07/25 08:55	03/11/25 14:26	PB167031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	200	U	200	370	ug/Kg
108-95-2	Phenol	92.9	U	92.9	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	93.8	U	93.8	190	ug/Kg
95-57-8	2-Chlorophenol	93.6	U	93.6	190	ug/Kg
95-48-7	2-Methylphenol	90.3	U	90.3	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	100	U	100	190	ug/Kg
98-86-2	Acetophenone	97.4	U	97.4	190	ug/Kg
65794-96-9	3+4-Methylphenols	89.4	U	89.4	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	45.2	U	45.2	89.7	ug/Kg
67-72-1	Hexachloroethane	93.0	U	93.0	190	ug/Kg
98-95-3	Nitrobenzene	100	U	100	190	ug/Kg
78-59-1	Isophorone	94.8	U	94.8	190	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	190	ug/Kg
105-67-9	2,4-Dimethylphenol	100	U	100	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	96.2	U	96.2	190	ug/Kg
120-83-2	2,4-Dichlorophenol	84.6	U	84.6	190	ug/Kg
91-20-3	Naphthalene	92.6	U	92.6	190	ug/Kg
106-47-8	4-Chloroaniline	92.6	UQ	92.6	190	ug/Kg
87-68-3	Hexachlorobutadiene	93.4	U	93.4	190	ug/Kg
105-60-2	Caprolactam	97.3	U	97.3	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	86.9	U	86.9	190	ug/Kg
91-57-6	2-Methylnaphthalene	92.5	U	92.5	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	U	170	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	80.0	U	80.0	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	82.9	U	82.9	190	ug/Kg
92-52-4	1,1-Biphenyl	98.0	U	98.0	190	ug/Kg
91-58-7	2-Chloronaphthalene	93.4	U	93.4	190	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	190	ug/Kg
131-11-3	Dimethylphthalate	91.6	U	91.6	190	ug/Kg

Raw Data: **BF141915.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-103-SB01	SDG No.:	Q1514
Lab Sample ID:	Q1514-05	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	89.1
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141915.D	1	03/07/25 08:55	03/11/25 14:26	PB167031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	97.0	U	97.0	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	93.3	U	93.3	190	ug/Kg
99-09-2	3-Nitroaniline	100	UQ	100	190	ug/Kg
83-32-9	Acenaphthene	90.9	U	90.9	190	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	370	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	370	ug/Kg
132-64-9	Dibenzofuran	94.6	U	94.6	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	96.6	U	96.6	190	ug/Kg
84-66-2	Diethylphthalate	89.8	U	89.8	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	95.9	U	95.9	190	ug/Kg
86-73-7	Fluorene	95.8	U	95.8	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	91.5	U	91.5	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	88.4	U	88.4	190	ug/Kg
118-74-1	Hexachlorobenzene	95.3	U	95.3	190	ug/Kg
1912-24-9	Atrazine	100	U	100	190	ug/Kg
87-86-5	Pentachlorophenol	86.6	U	86.6	370	ug/Kg
85-01-8	Phenanthrene	100	J	94.2	190	ug/Kg
120-12-7	Anthracene	94.6	U	94.6	190	ug/Kg
86-74-8	Carbazole	90.0	U	90.0	190	ug/Kg
84-74-2	Di-n-butylphthalate	94.5	U	94.5	190	ug/Kg
206-44-0	Fluoranthene	120	J	91.6	190	ug/Kg
129-00-0	Pyrene	110	J	93.0	190	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	UQ	110	370	ug/Kg
56-55-3	Benzo(a)anthracene	90.5	U	90.5	190	ug/Kg
218-01-9	Chrysene	89.1	U	89.1	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	U	100	190	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	90.9	U	90.9	190	ug/Kg

Raw Data: **BF141915.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-103-SB01	SDG No.:	Q1514
Lab Sample ID:	Q1514-05	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	89.1
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141915.D	1	03/07/25 08:55	03/11/25 14:26	PB167031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	92.6	U	92.6	190	ug/Kg
50-32-8	Benzo(a)pyrene	100	U	100	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	87.5	U	87.5	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	91.0	U	91.0	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	89.8	U	89.8	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	97.3	U	97.3	190	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	83.7	U	83.7	190	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	85.2		30 (18) - 130 (112)	57%	SPK: 150
13127-88-3	Phenol-d6	83.6		30 (15) - 130 (107)	56%	SPK: 150
4165-60-0	Nitrobenzene-d5	60.1		30 (18) - 130 (107)	60%	SPK: 100
321-60-8	2-Fluorobiphenyl	59.9		30 (20) - 130 (109)	60%	SPK: 100
118-79-6	2,4,6-Tribromophenol	86.2		30 (10) - 130 (116)	57%	SPK: 150
1718-51-0	Terphenyl-d14	55.7		30 (10) - 130 (105)	56%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	153000	6.881			
1146-65-2	Naphthalene-d8	610000	8.157			
15067-26-2	Acenaphthene-d10	347000	9.91			
1517-22-2	Phenanthrene-d10	612000	11.398			
1719-03-5	Chrysene-d12	453000	14.033			
1520-96-3	Perylene-d12	421000	15.504			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	1300	J		2.16	ug/Kg
000119-61-9	Benzophenone	260	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	1100	J		11.9	ug/Kg
006422-86-2	1,4-Benzenedicarboxylic acid, bis(	1900	J		12.3	ug/Kg
000057-11-4	Octadecanoic acid	1400	J		12.7	ug/Kg
000630-02-4	Octacosane	120	J		13.7	ug/Kg
015594-90-8	1-Heneicosanol	220	J		13.9	ug/Kg

Raw Data: **BF141915.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-103-SB01	SDG No.:	Q1514
Lab Sample ID:	Q1514-05	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	89.1
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141915.D	1	03/07/25 08:55	03/11/25 14:26	PB167031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000630-01-3	Hexacosane	160	J		14.8	ug/Kg
000192-97-2	Benzo[e]pyrene	92.3	J		15.1	ug/Kg
000629-94-7	Heneicosane	82.2	J		15.2	ug/Kg

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

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

Sample Results: **BF141915.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141915.D
Acq On : 11 Mar 2025 14:26
Operator : RC/JU
Sample : Q1514-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-103-SB01

Quant Time: Mar 11 14:55:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

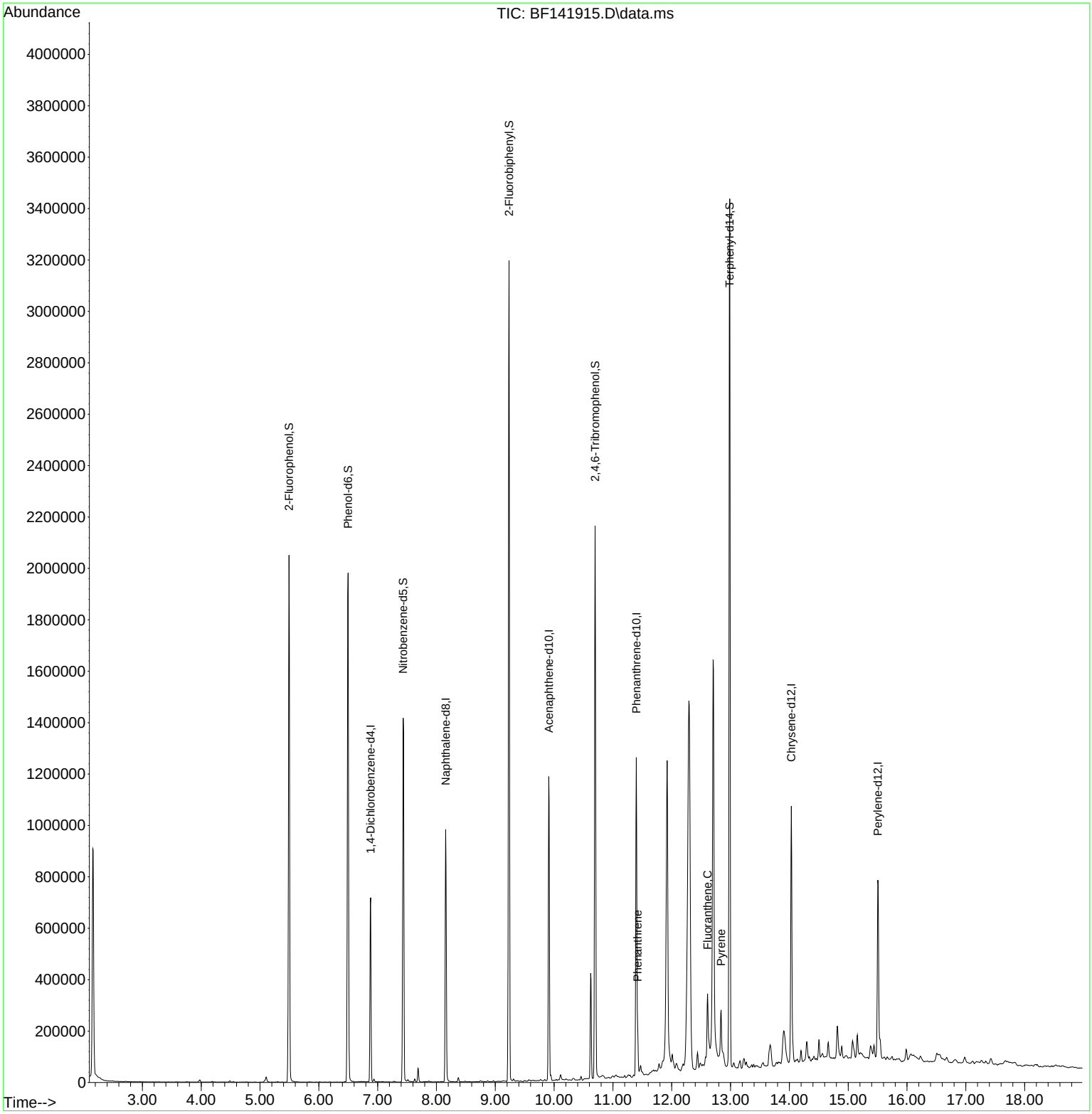
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	153238	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	609925	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	347323	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	611592	20.000	ng	0.00
76) Chrysene-d12	14.033	240	452771	20.000	ng	0.00
86) Perylene-d12	15.504	264	421172	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	781927	85.162	ng	0.00
7) Phenol-d6	6.498	99	977722	83.636	ng	0.00
23) Nitrobenzene-d5	7.434	82	650895	60.056	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	379614	86.154	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	1367158	59.863	ng	0.00
79) Terphenyl-d14	12.986	244	1706898	55.736	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.422	178	90943	2.753	ng	98
75) Fluoranthene	12.610	202	111477	3.181	ng	99
78) Pyrene	12.839	202	115154	2.940	ng	98

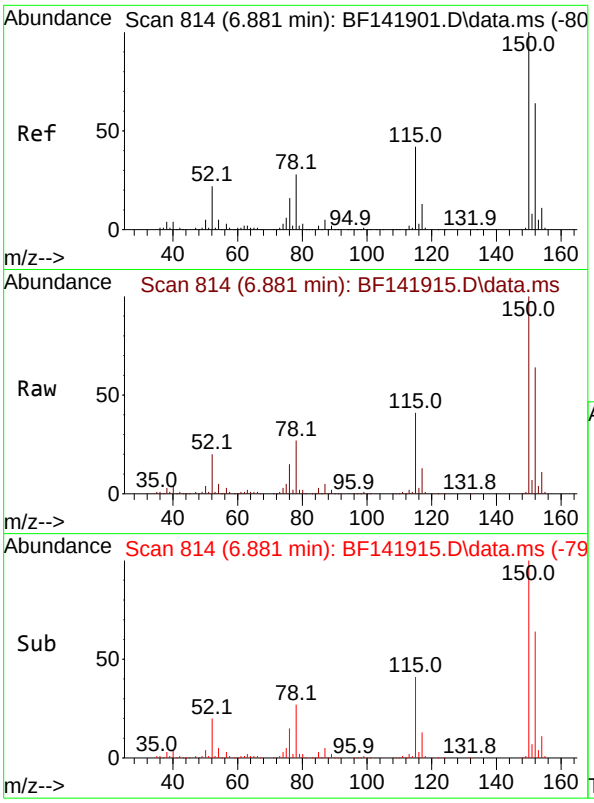
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141915.D
Acq On : 11 Mar 2025 14:26
Operator : RC/JU
Sample : Q1514-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-103-SB01

Quant Time: Mar 11 14:55:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration



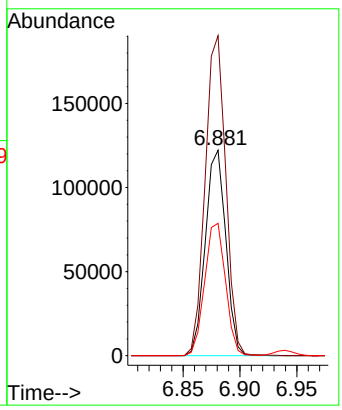


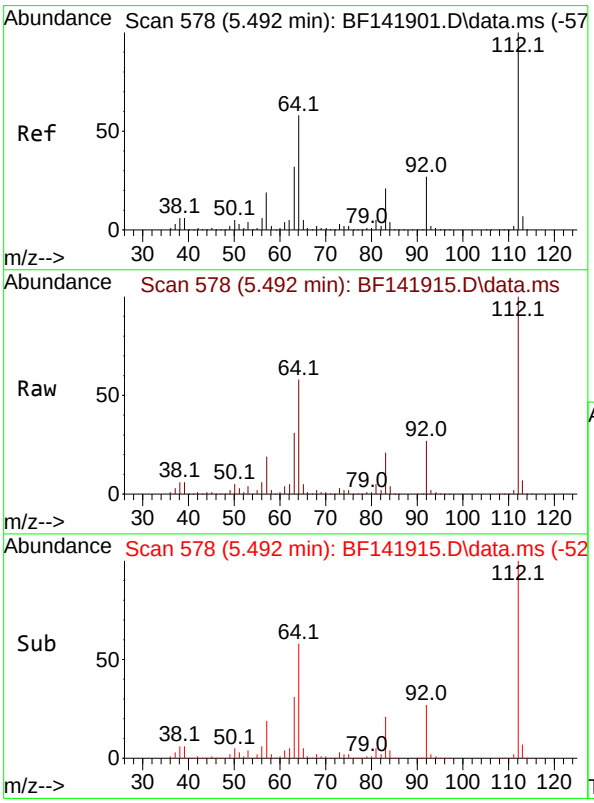
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141915.D
Acq: 11 Mar 2025 14:26

Instrument :
BNA_F
ClientSampleId :
ENV-103-SB01

Tgt Ion:152 Resp: 153238

Ion	Ratio	Lower	Upper
152	100		
150	155.7	127.4	191.2
115	64.4	51.9	77.9

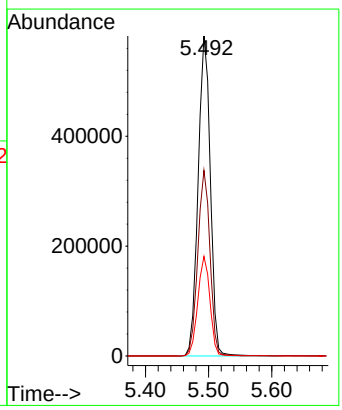


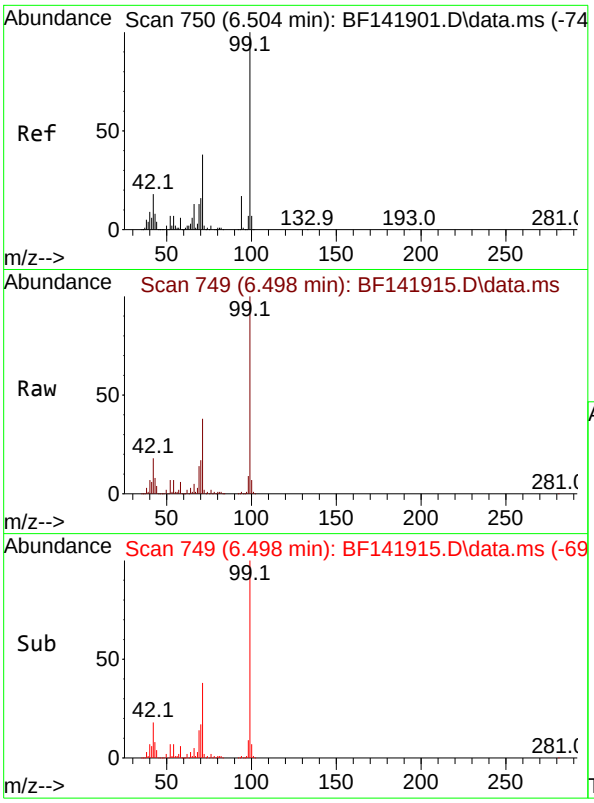


#5
2-Fluorophenol
Concen: 85.162 ng
RT: 5.492 min Scan# 578
Delta R.T. 0.000 min
Lab File: BF141915.D
Acq: 11 Mar 2025 14:26

Tgt Ion:112 Resp: 781927

Ion	Ratio	Lower	Upper
112	100		
64	58.0	46.5	69.7
63	31.1	25.4	38.2



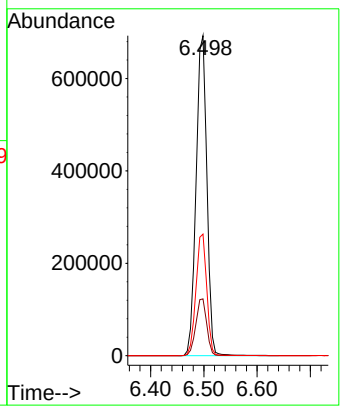


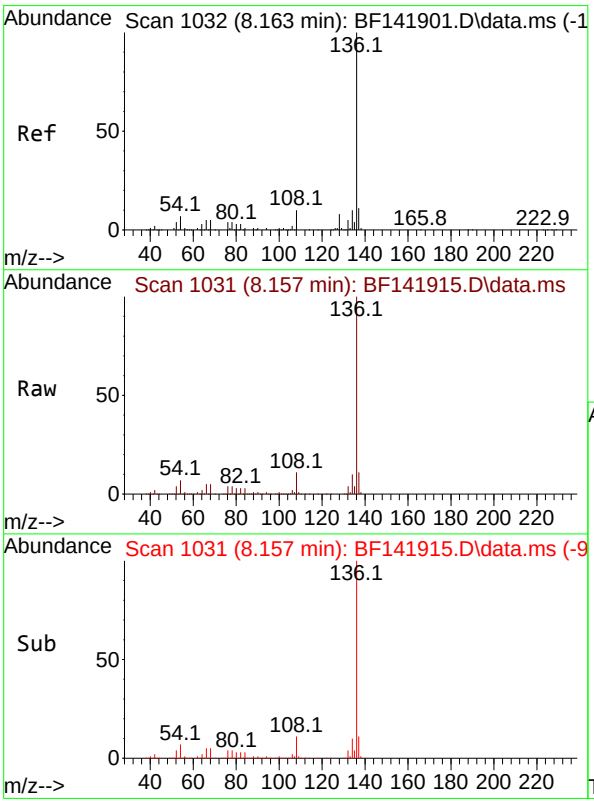
#7
Phenol-d6
Concen: 83.636 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141915.D
Acq: 11 Mar 2025 14:26

Instrument :
BNA_F
ClientSampleId :
ENV-103-SB01

Tgt Ion: 99 Resp: 977722

Ion	Ratio	Lower	Upper
99	100		
42	17.8	14.6	21.8
71	38.0	30.8	46.2

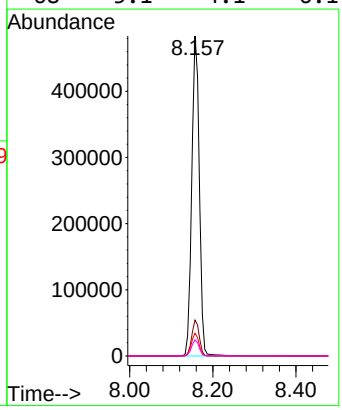


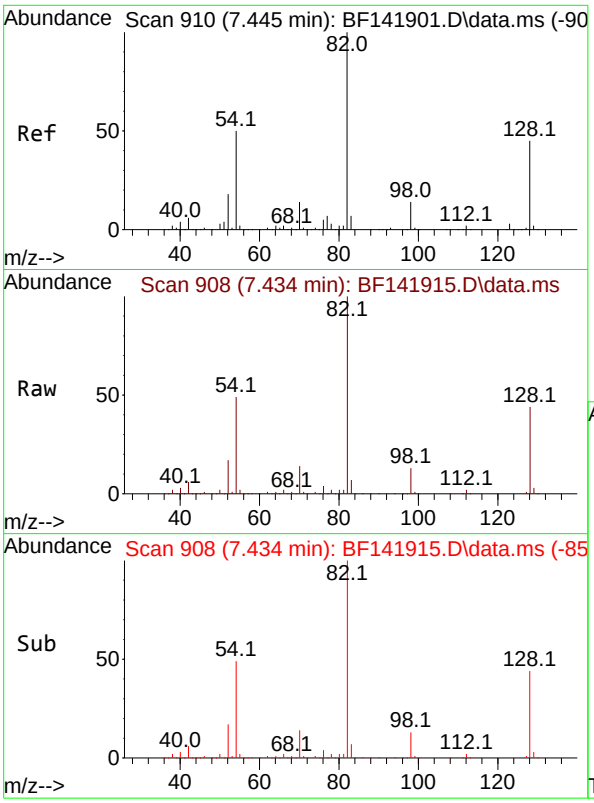


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF141915.D
Acq: 11 Mar 2025 14:26

Tgt Ion:136 Resp: 609925

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	7.1	5.8	8.8
68	5.1	4.1	6.1



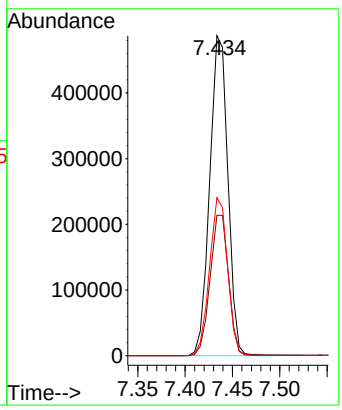


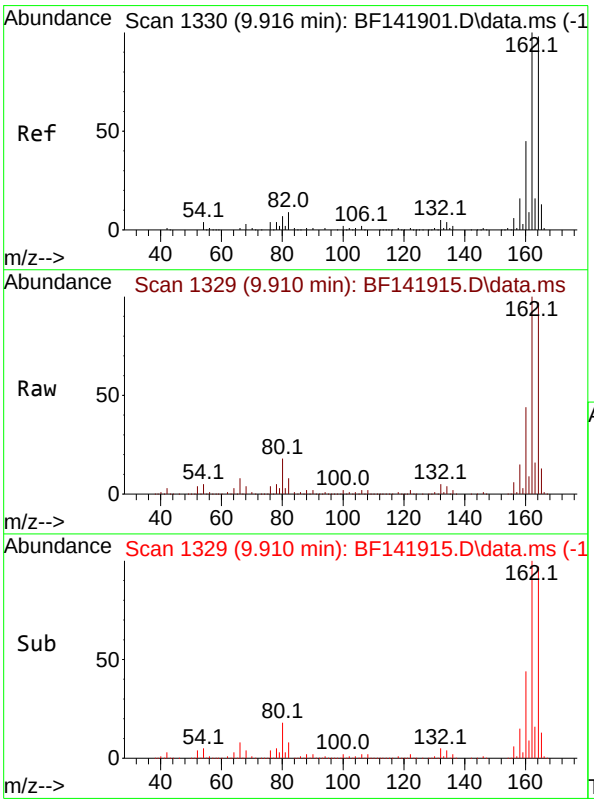
#23
Nitrobenzene-d5
Concen: 60.056 ng
RT: 7.434 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF141915.D
Acq: 11 Mar 2025 14:26

Instrument :
BNA_F
ClientSampleId :
ENV-103-SB01

Tgt Ion: 82 Resp: 650895

Ion	Ratio	Lower	Upper
82	100		
128	43.9	36.0	54.0
54	49.3	39.6	59.4

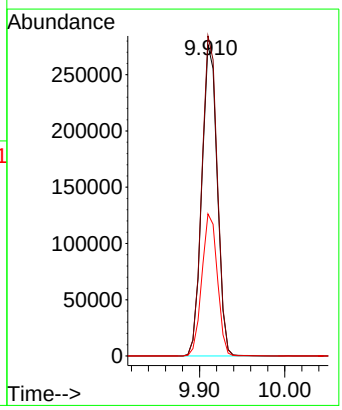


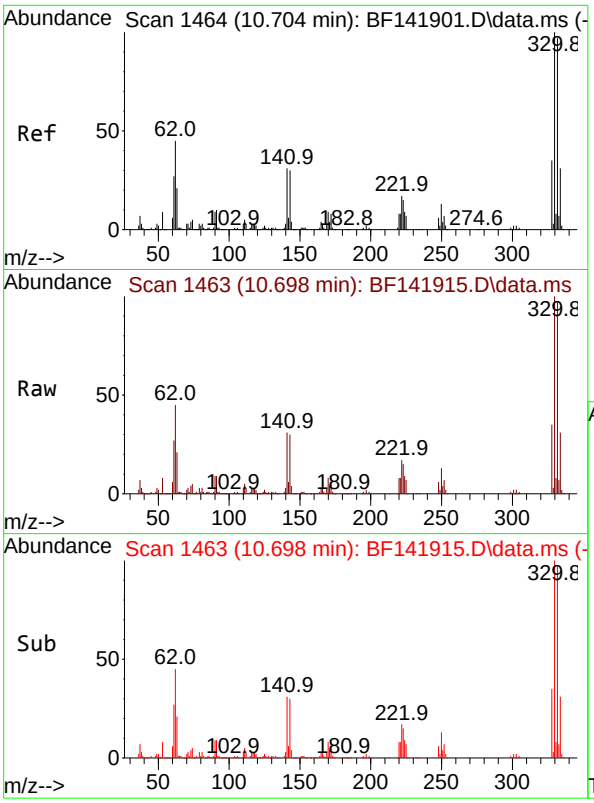


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF141915.D
Acq: 11 Mar 2025 14:26

Tgt Ion:164 Resp: 347323

Ion	Ratio	Lower	Upper
164	100		
162	102.8	81.8	122.6
160	45.6	36.7	55.1



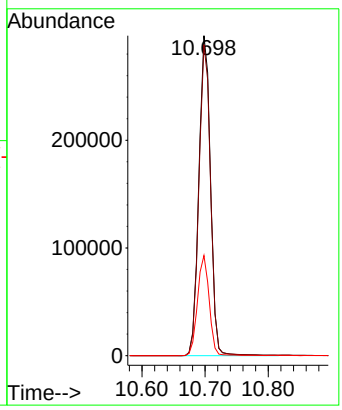


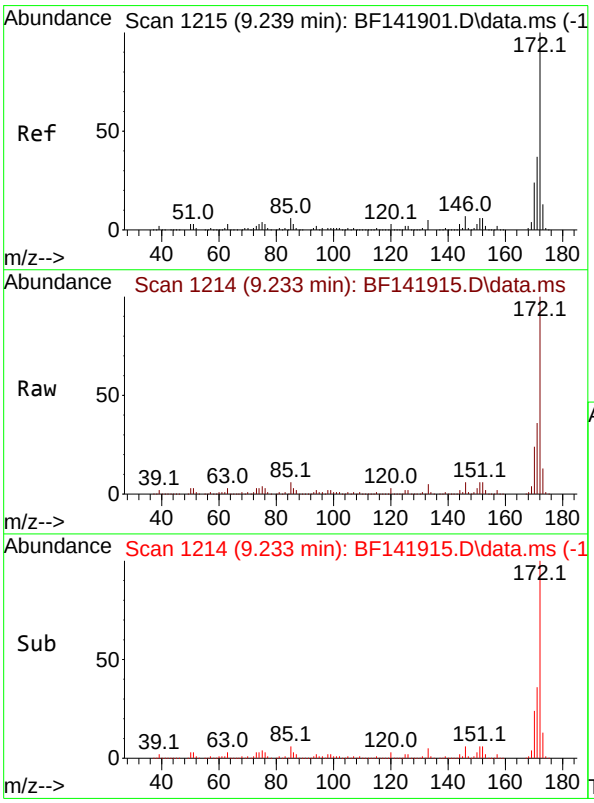
#42
2,4,6-Tribromophenol
Concen: 86.154 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141915.D
Acq: 11 Mar 2025 14:26

Instrument :
BNA_F
ClientSampleId :
ENV-103-SB01

Tgt Ion:330 Resp: 379614

Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.6	116.4
141	31.4	24.7	37.1

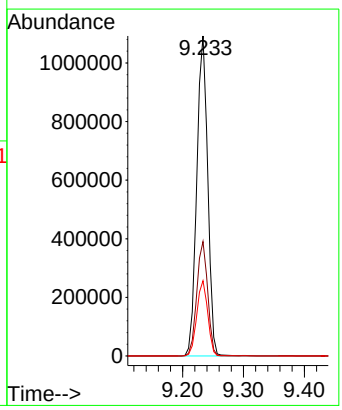


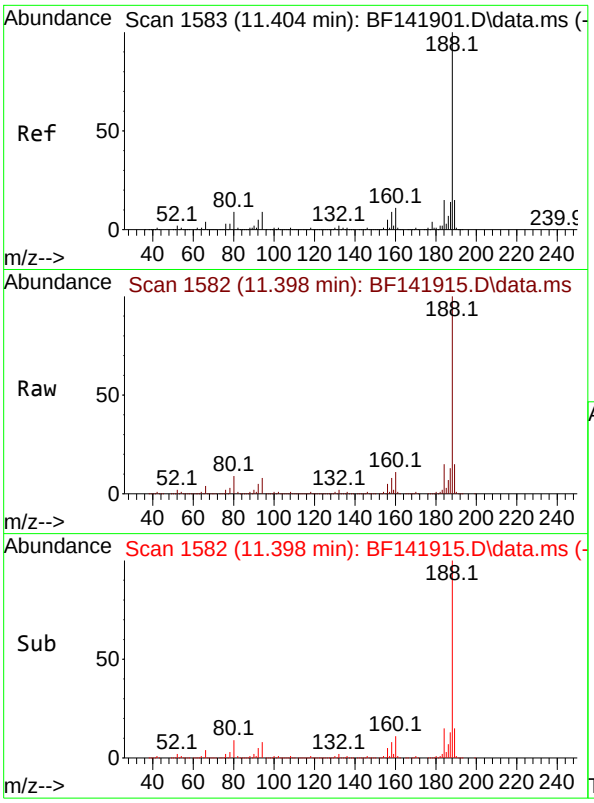


#45
2-Fluorobiphenyl
Concen: 59.863 ng
RT: 9.233 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF141915.D
Acq: 11 Mar 2025 14:26

Tgt Ion:172 Resp: 1367158

Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.3	43.9
170	23.5	19.4	29.0



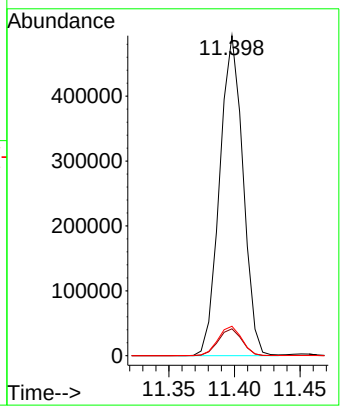


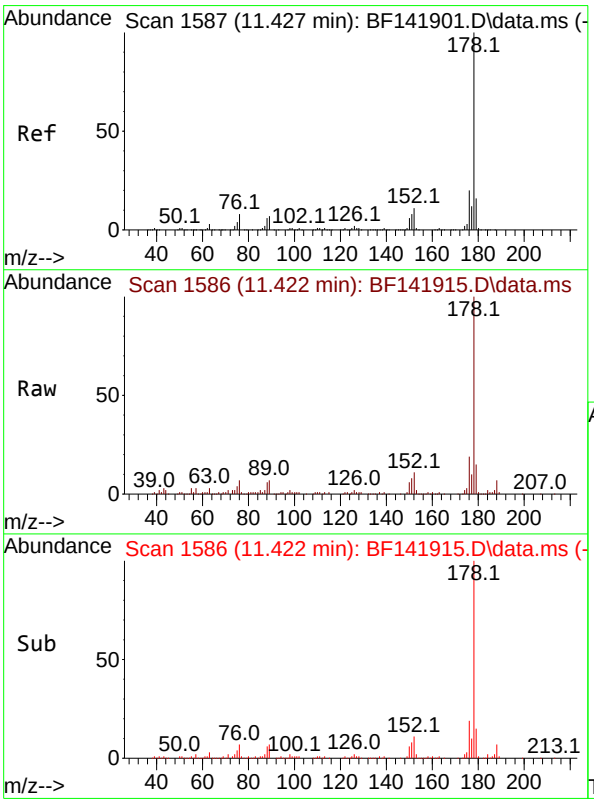
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141915.D
Acq: 11 Mar 2025 14:26

Instrument :
BNA_F
ClientSampleId :
ENV-103-SB01

Tgt Ion:188 Resp: 611592

Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.8	10.2
80	9.2	7.6	11.4

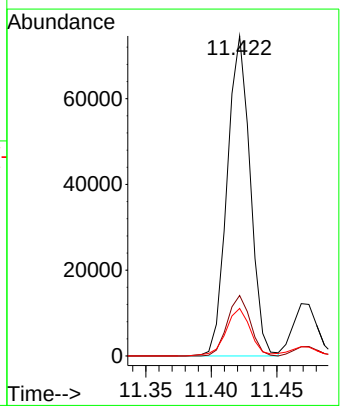


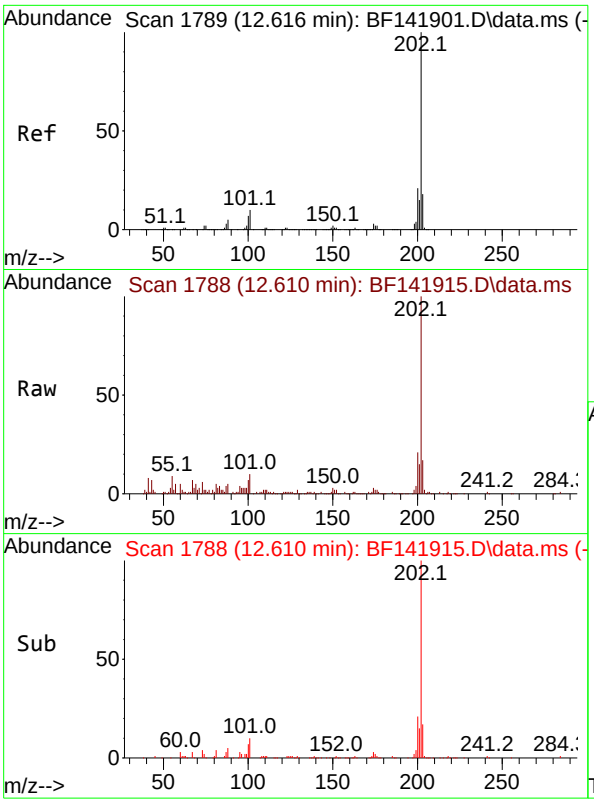


#71
Phenanthrene
Concen: 2.753 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF141915.D
Acq: 11 Mar 2025 14:26

Tgt Ion:178 Resp: 90943

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	14.9	12.6	19.0



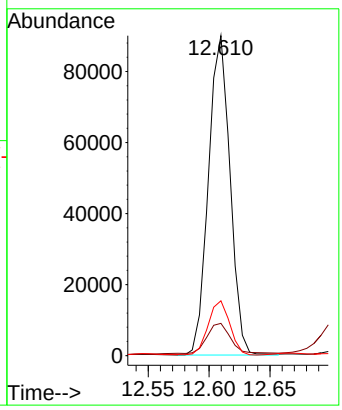


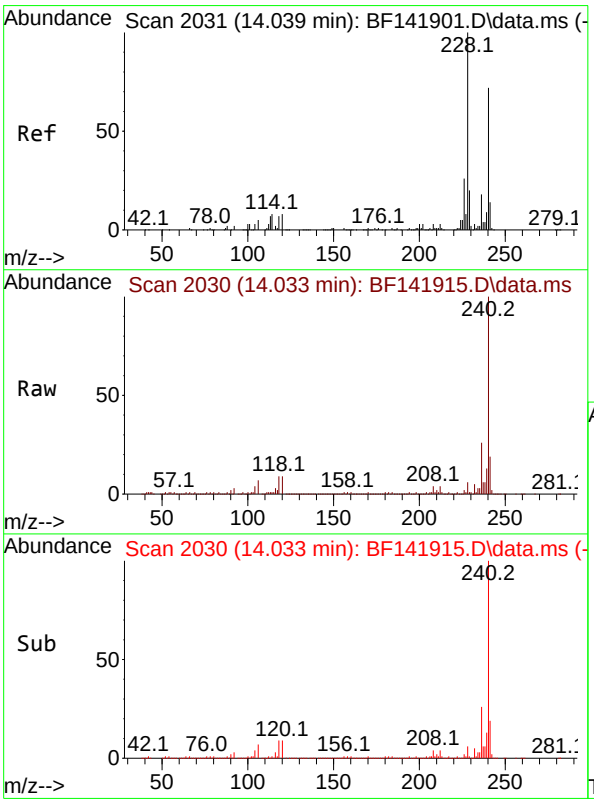
#75
Fluoranthene
Concen: 3.181 ng
RT: 12.610 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141915.D
Acq: 11 Mar 2025 14:26

Instrument :
BNA_F
ClientSampleId :
ENV-103-SB01

Tgt Ion:202 Resp: 111477

Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	29.7
203	17.2	0.0	37.8

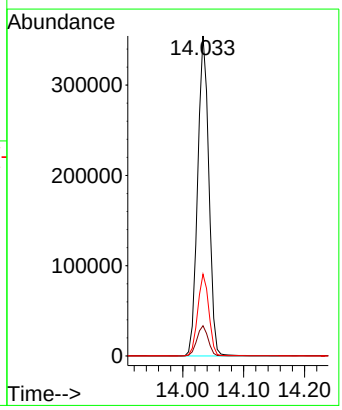


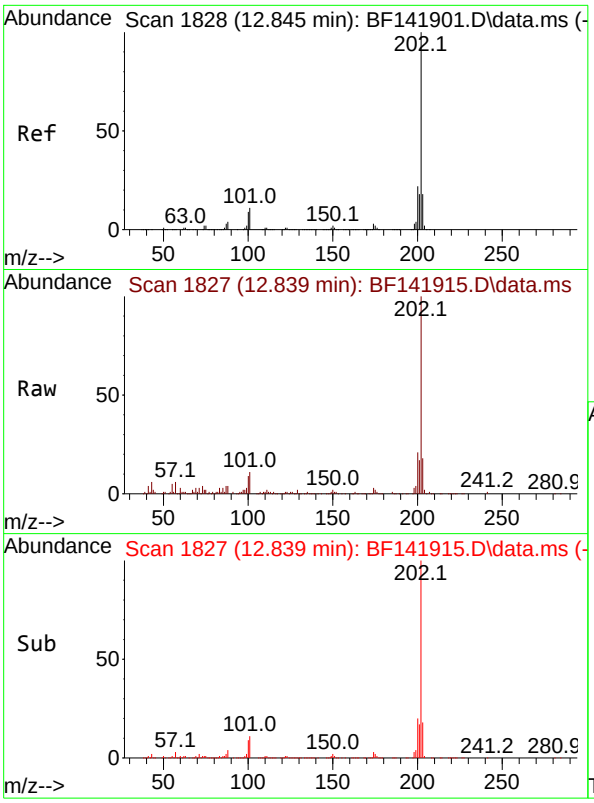


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF141915.D
Acq: 11 Mar 2025 14:26

Tgt Ion:240 Resp: 452771

Ion	Ratio	Lower	Upper
240	100		
120	9.4	8.4	12.6
236	25.6	20.5	30.7



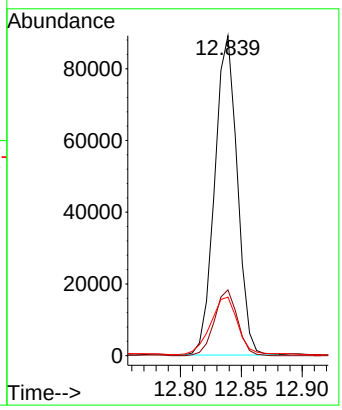


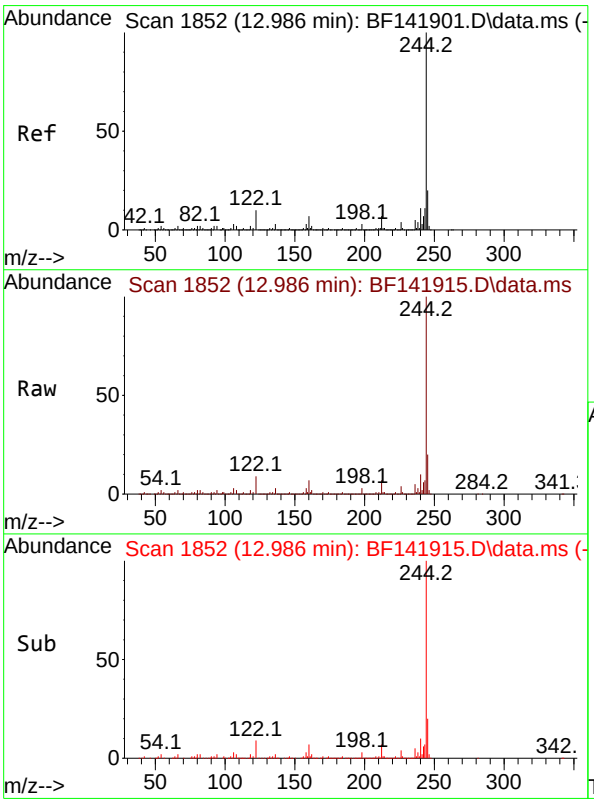
#78
Pyrene
Concen: 2.940 ng
RT: 12.839 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141915.D
Acq: 11 Mar 2025 14:26

Instrument :
BNA_F
ClientSampleId :
ENV-103-SB01

Tgt Ion:202 Resp: 115154

Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.3	25.9
203	18.3	14.4	21.6

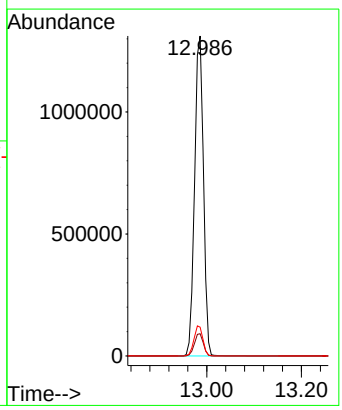


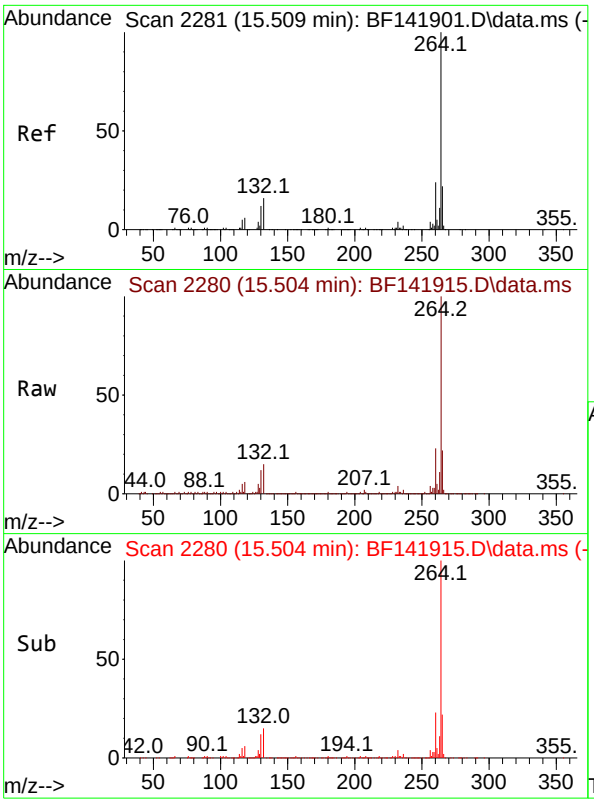


#79
Terphenyl-d14
Concen: 55.736 ng
RT: 12.986 min Scan# 1852
Delta R.T. 0.000 min
Lab File: BF141915.D
Acq: 11 Mar 2025 14:26

Tgt Ion:244 Resp: 1706898

Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	9.0	7.7	11.5



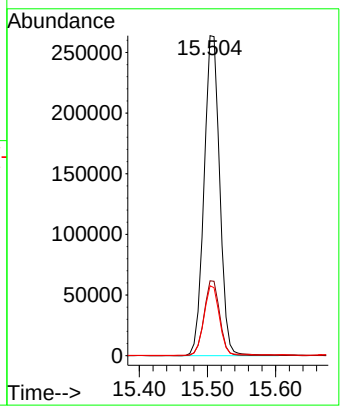


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141915.D
Acq: 11 Mar 2025 14:26

Instrument :
BNA_F
ClientSampleId :
ENV-103-SB01

Tgt Ion:264 Resp: 421172

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.1	28.7
265	21.9	17.5	26.3



Sample Results: **BF141915.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141915.D
Acq On : 11 Mar 2025 14:26
Operator : RC/JU
Sample : Q1514-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-103-SB01

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141915.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.157	4	11	47	rVB	902161	1644492	36.09%	3.883%
2	5.492	572	578	597	rBV	2050013	2742709	60.19%	6.476%
3	6.498	742	749	761	rBV	1979535	2806861	61.60%	6.628%
4	6.881	808	814	819	rBV	716657	910527	19.98%	2.150%
5	7.434	902	908	914	rBV	1415872	1893267	41.55%	4.470%
6	7.686	946	951	958	rBV	53256	67470	1.48%	0.159%
7	8.157	1026	1031	1040	rBV	981458	1238574	27.18%	2.925%
8	9.233	1208	1214	1219	rBV	3193412	3995772	87.69%	9.435%
9	9.910	1324	1329	1334	rBV	1181179	1488984	32.68%	3.516%
10	10.622	1445	1450	1455	rBV	409166	515356	11.31%	1.217%
11	10.698	1457	1463	1475	rBV	2150339	2746486	60.27%	6.485%
12	11.398	1577	1582	1590	rBV2	1238546	1772966	38.91%	4.186%
13	11.851	1654	1659	1660	rVV2	34167	58319	1.28%	0.138%
14	11.921	1661	1671	1683	rVV	1202517	2517203	55.24%	5.944%
15	12.010	1683	1686	1693	rVV	57285	113655	2.49%	0.268%
16	12.080	1694	1698	1705	rVB6	23454	48218	1.06%	0.114%
17	12.292	1721	1734	1750	rVB	1434236	4556693	100.00%	10.759%
18	12.439	1754	1759	1763	rBV3	61933	93641	2.06%	0.221%
19	12.610	1784	1788	1795	rVV	275720	523198	11.48%	1.235%
20	12.704	1796	1804	1818	rVV	1576896	3205032	70.34%	7.568%
21	12.839	1822	1827	1842	rVB	219574	475117	10.43%	1.122%
22	12.986	1846	1852	1857	rVB	3373523	4448617	97.63%	10.504%
23	13.163	1876	1882	1886	rVB2	29937	57324	1.26%	0.135%
24	13.227	1888	1893	1897	rBV3	34622	67906	1.49%	0.160%
25	13.674	1962	1969	1978	rVB3	82718	220941	4.85%	0.522%
26	13.904	2001	2008	2022	rBV5	123709	422434	9.27%	0.997%
27	14.033	2024	2030	2040	rVB	995436	1435243	31.50%	3.389%
28	14.198	2055	2058	2063	rVB	42037	54055	1.19%	0.128%
29	14.298	2070	2075	2080	rBV	68981	122483	2.69%	0.289%
30	14.504	2106	2110	2114	rBV	74700	103921	2.28%	0.245%
31	14.662	2133	2137	2145	rVB	62224	97681	2.14%	0.231%
32	14.815	2158	2163	2172	rBV	122025	241512	5.30%	0.570%
33	14.892	2173	2176	2182	rVB	45671	60407	1.33%	0.143%
34	15.074	2203	2207	2215	rVB	65123	137581	3.02%	0.325%
35	15.157	2217	2221	2227	rBV2	80322	122613	2.69%	0.290%
36	15.380	2255	2259	2265	rBV2	44779	102787	2.26%	0.243%

Sample Results: **BF141915.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141915.D
Acq On : 11 Mar 2025 14:26
Operator : RC/JU
Sample : Q1514-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-103-SB01

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	15.439	2266	2269	2273	rVB	45996	63380	1.39%	0.150%
38	15.504	2275	2280	2286	rBV	683932	1113863	24.44%	2.630%
39	15.986	2358	2362	2367	rVB	40275	63306	1.39%	0.149%

Sum of corrected areas: 42350594

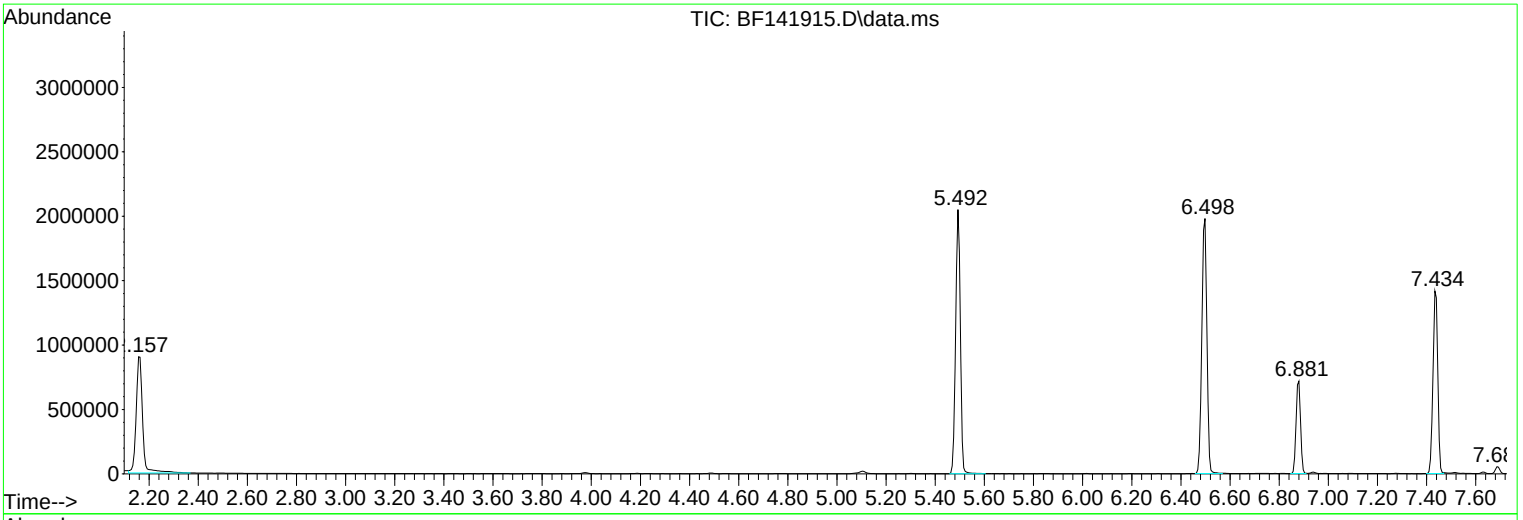
Sample Results: **BF141915.D**

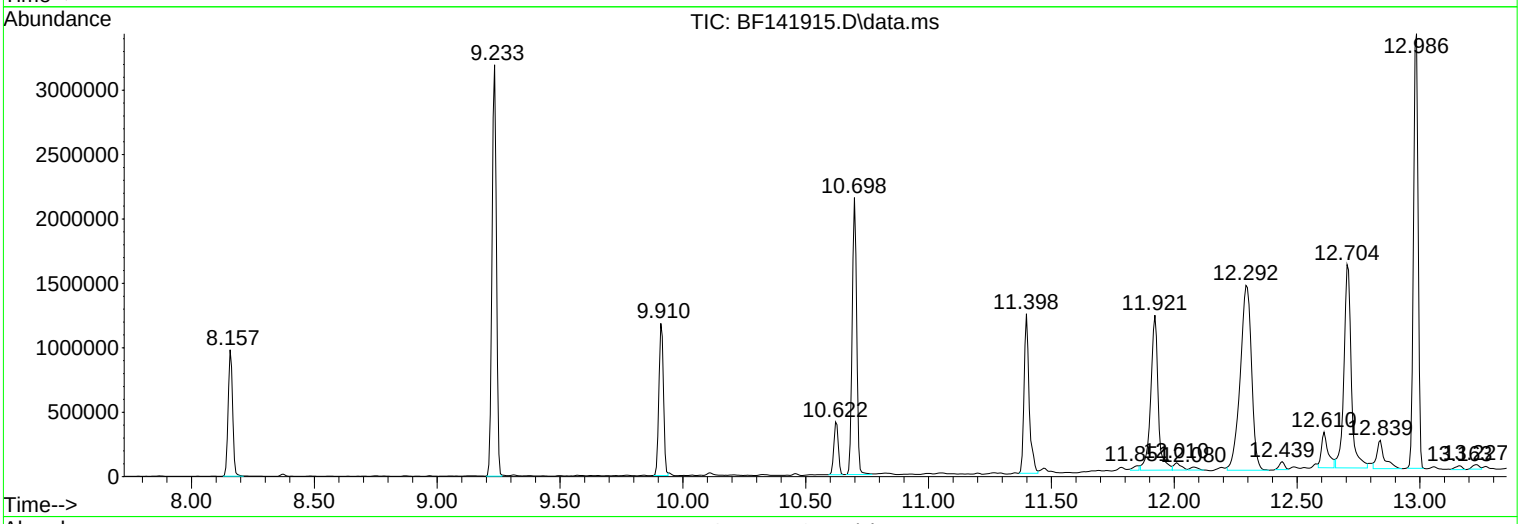
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141915.D
Acq On : 11 Mar 2025 14:26
Operator : RC/JU
Sample : Q1514-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

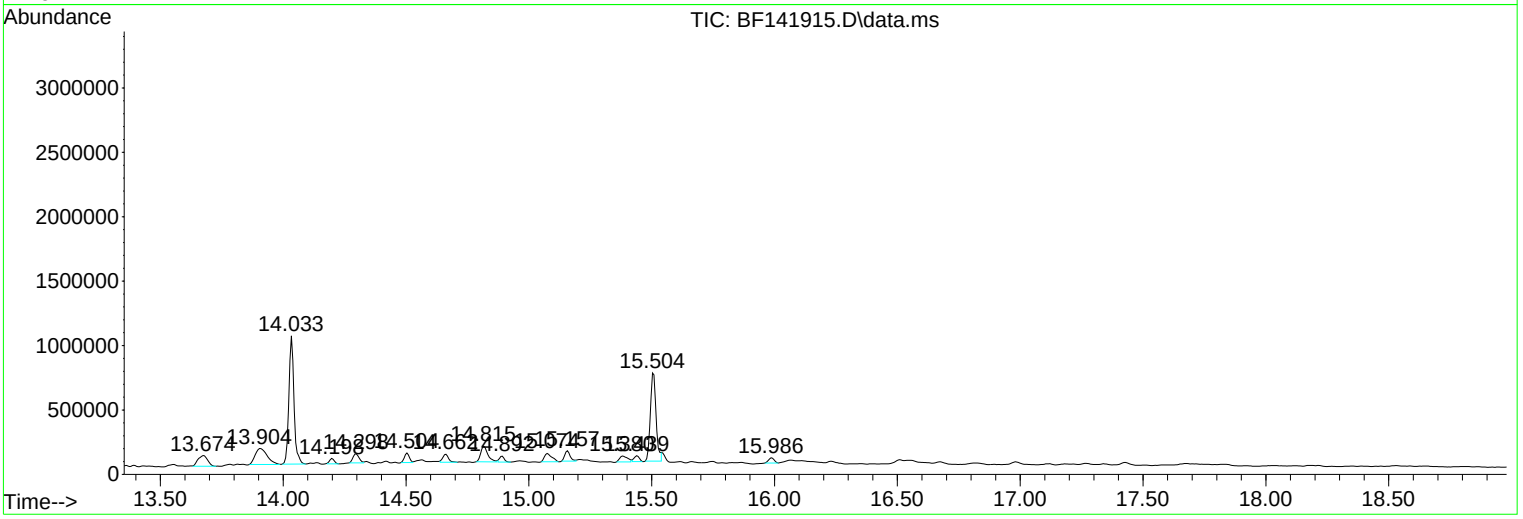
Instrument :
BNA_F
ClientSampleId :
ENV-103-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141915.D
Acq On : 11 Mar 2025 14:26
Operator : RC/JU
Sample : Q1514-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-103-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

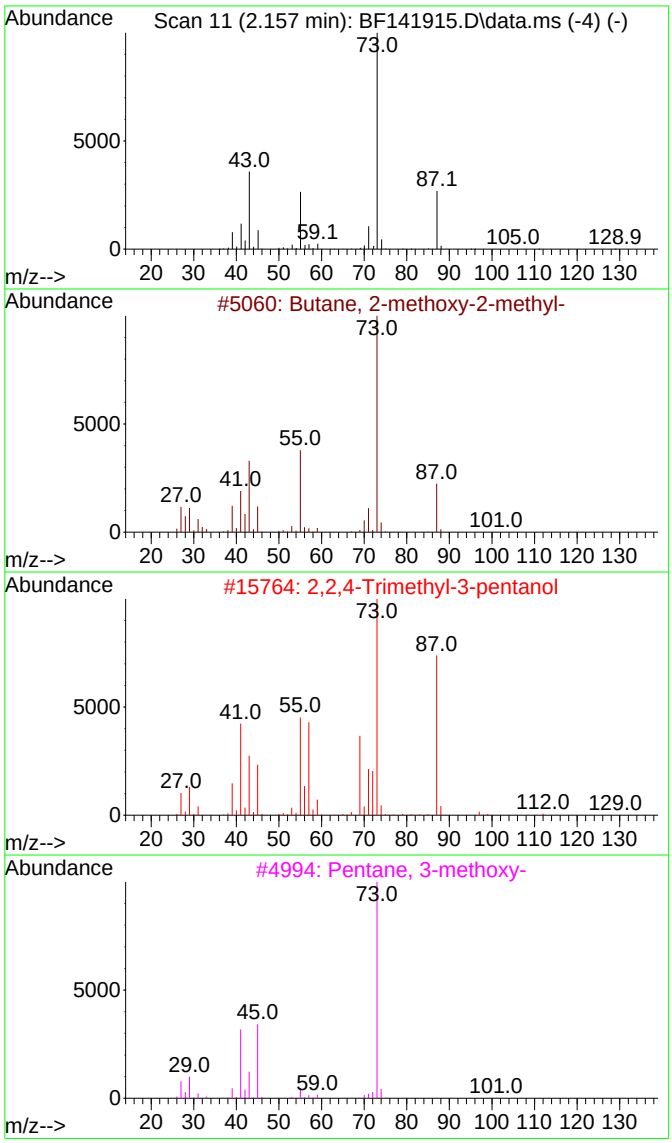
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

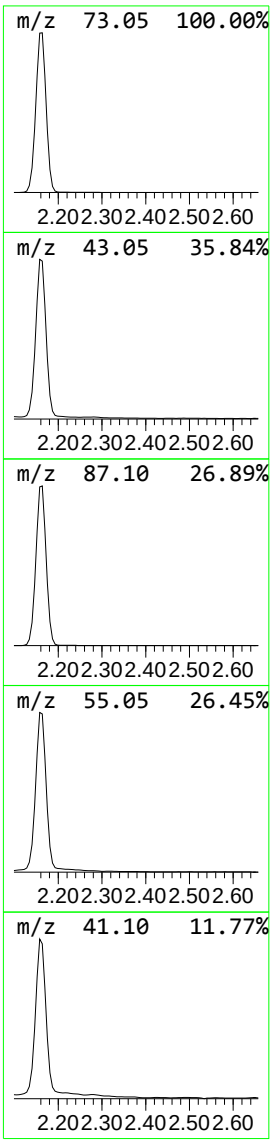
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.157	36.12 ng	1644490	1,4-Dichlorobenzene-d4	6.881

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141915.D
Acq On : 11 Mar 2025 14:26
Operator : RC/JU
Sample : Q1514-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-103-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

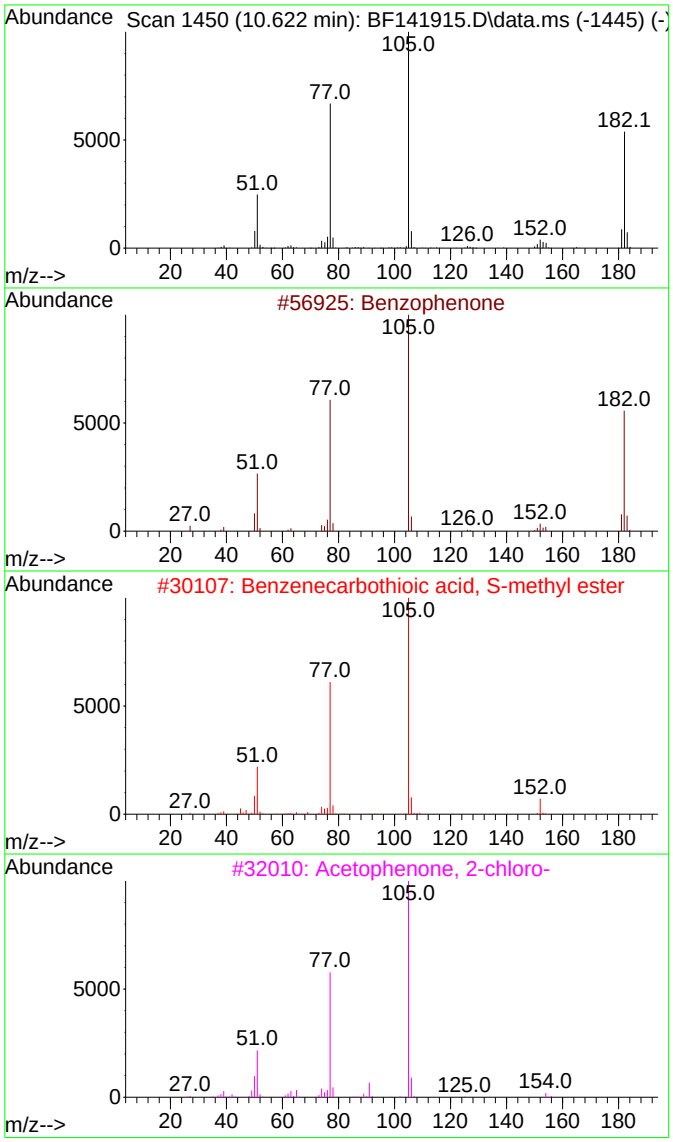
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

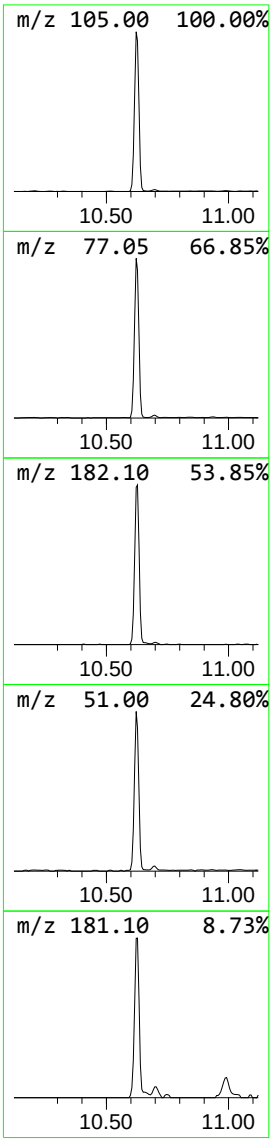
****

Peak Number 2 Benzophenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.622	6.92 ng	515356	Acenaphthene-d10	9.910

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	52
3	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
4	Benzeneacetic acid, .alpha.-oxo-...	164	C9H8O3	015206-55-0	49
5	Disulfide, dibenzoyl	274	C14H10O2S2	000644-32-6	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141915.D
Acq On : 11 Mar 2025 14:26
Operator : RC/JU
Sample : Q1514-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-103-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

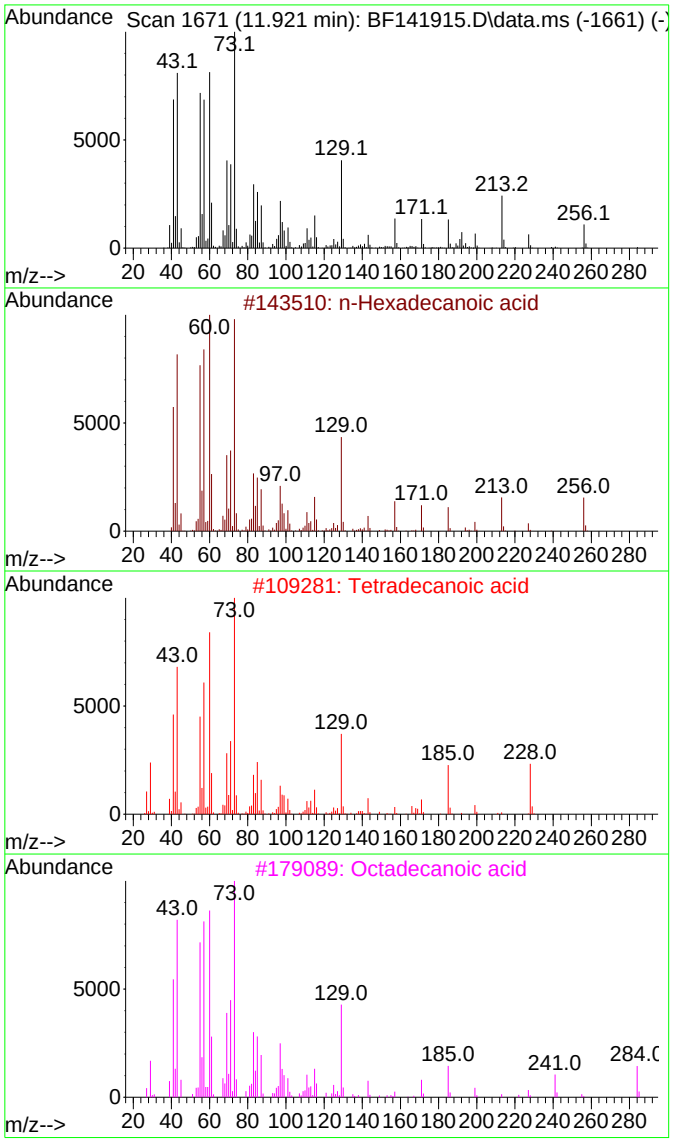
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

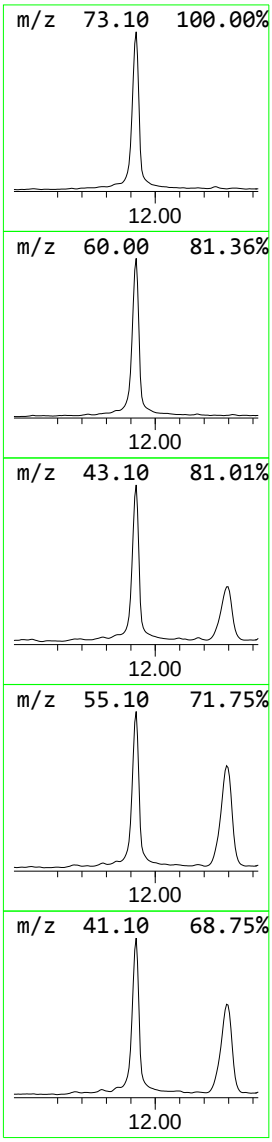
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.922	28.40 ng	2517200	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	95
3	Octadecanoic acid	284	C18H36O2	000057-11-4	93
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
5	Tridecanoic acid	214	C13H26O2	000638-53-9	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141915.D
Acq On : 11 Mar 2025 14:26
Operator : RC/JU
Sample : Q1514-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-103-SB01

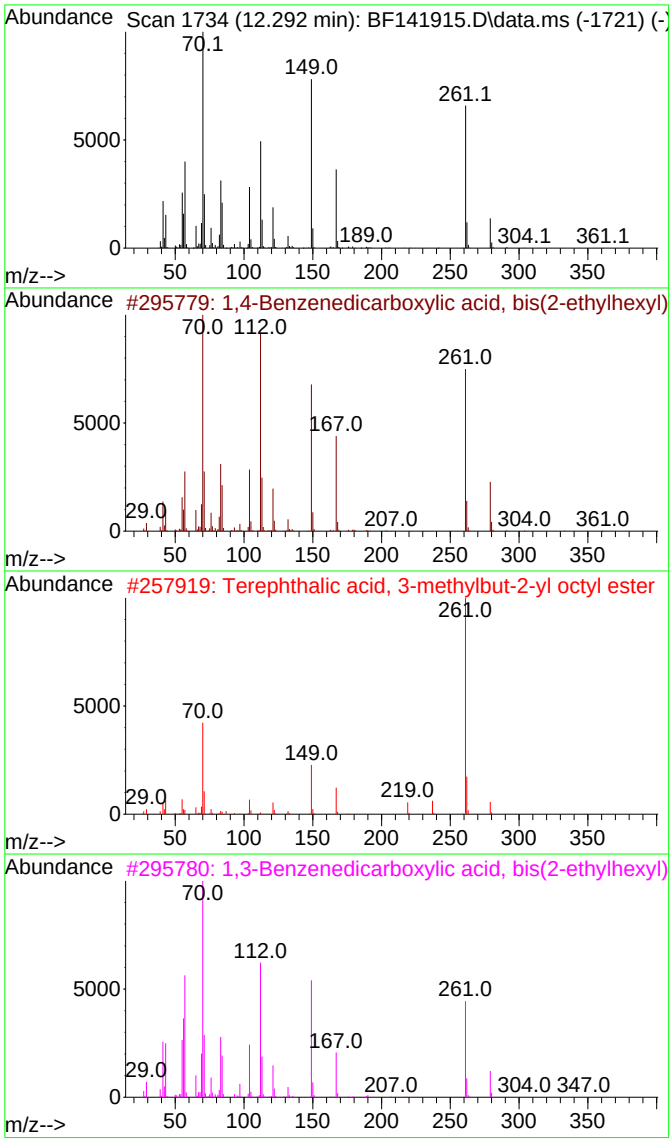
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

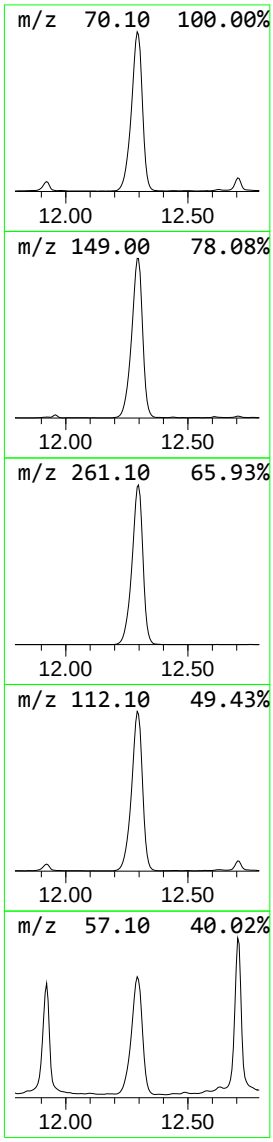
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 1,4-Benzenedicarboxylic aci... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.292	51.40 ng	4556690	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Benzenedicarboxylic acid, bi...	390	C24H38O4	006422-86-2	72
2	Terephthalic acid, 3-methylbut-2...	348	C21H32O4	1000356-27-6	64
3	1,3-Benzenedicarboxylic acid, bi...	390	C24H38O4	000137-89-3	49
4	Terephthalic acid, monochloride,...	296	C16H21ClO3	1000324-22-9	43
5	Terephthalic acid, 4-octyl octyl...	390	C24H38O4	1000323-73-7	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141915.D
Acq On : 11 Mar 2025 14:26
Operator : RC/JU
Sample : Q1514-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-103-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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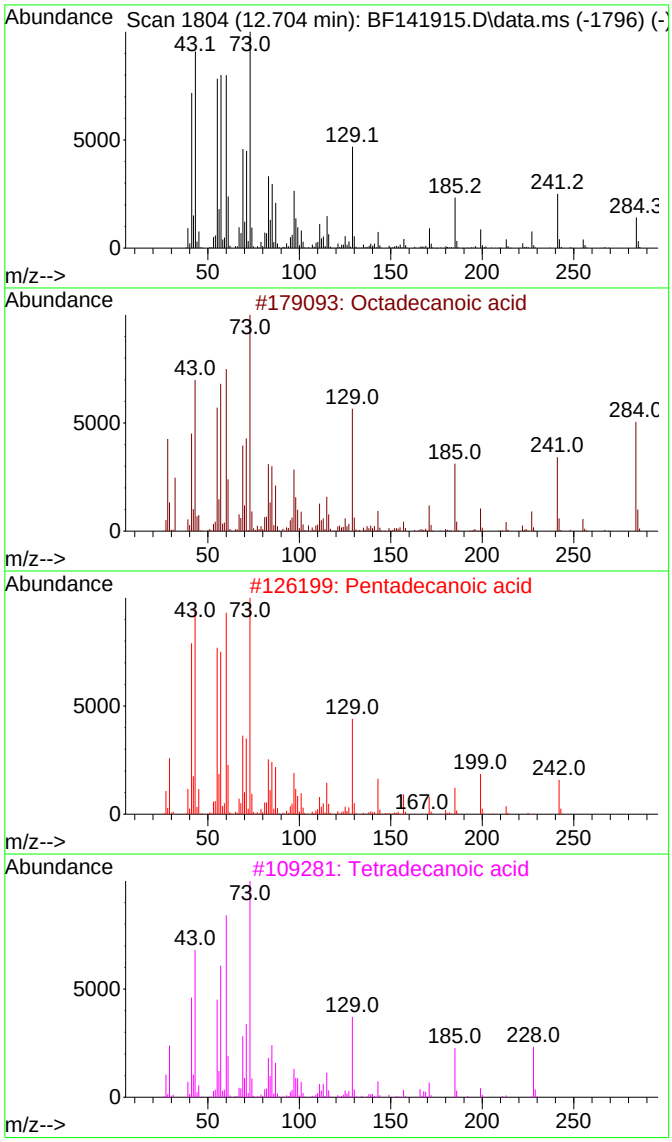
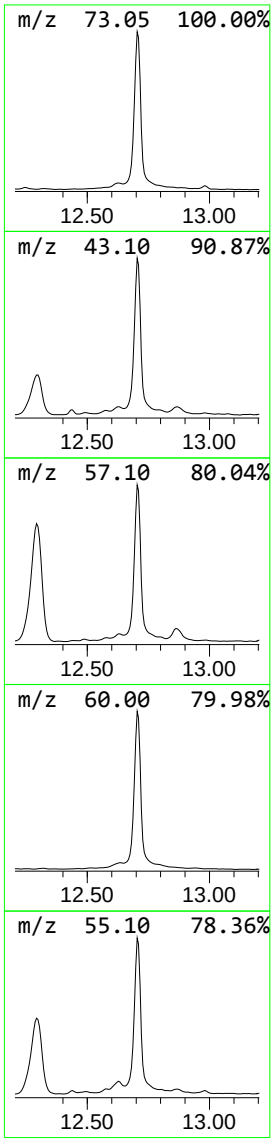
Peak Number 5 Octadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.704	36.15 ng	3205030	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	89
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	87
4	n-Decanoic acid	172	C10H20O2	000334-48-5	70
5	Tridecanoic acid	214	C13H26O2	000638-53-9	68





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141915.D
Acq On : 11 Mar 2025 14:26
Operator : RC/JU
Sample : Q1514-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-103-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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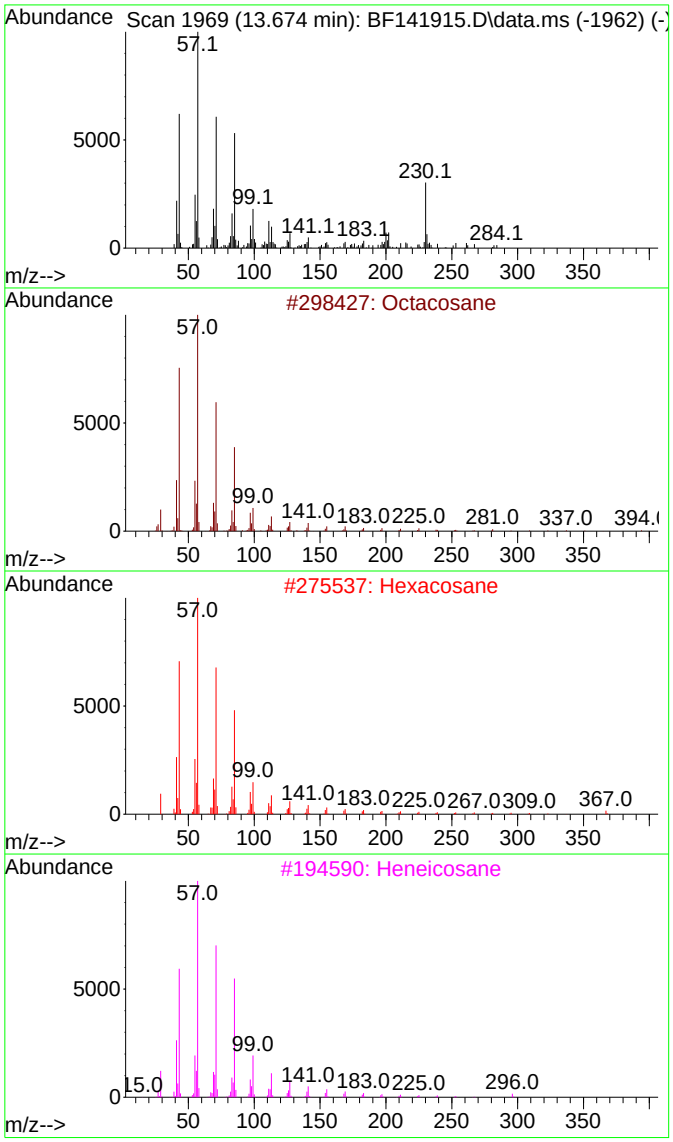
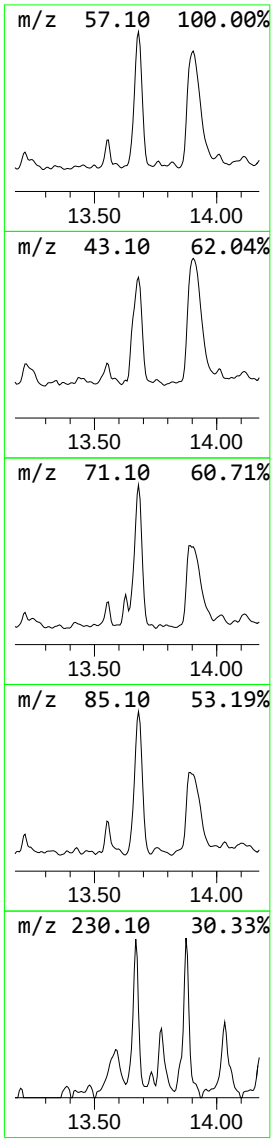
Peak Number 6 Octacosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.674	3.08 ng	220941	Chrysene-d12	14.033

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	76
2	Hexacosane	366	C26H54	000630-01-3	74
3	Heneicosane	296	C21H44	000629-94-7	74
4	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	72
5	Tetratetracontane	619	C44H90	007098-22-8	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141915.D
Acq On : 11 Mar 2025 14:26
Operator : RC/JU
Sample : Q1514-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-103-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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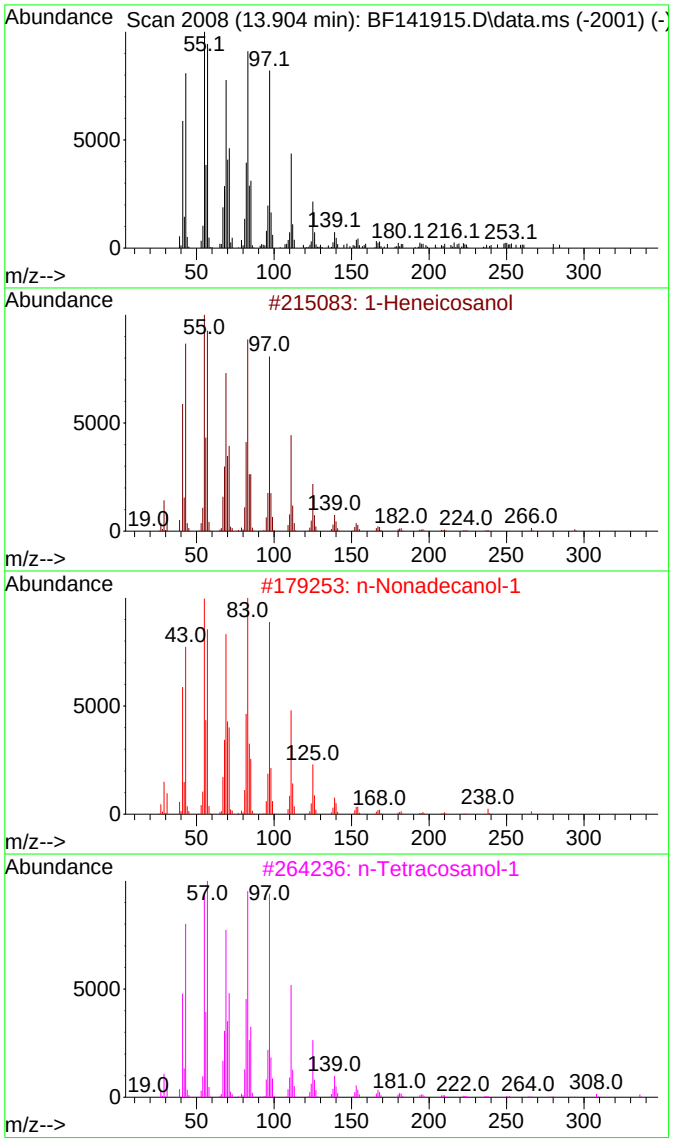
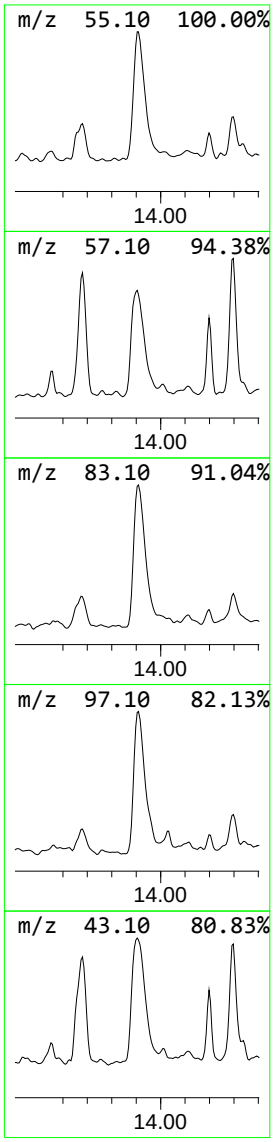
Peak Number 7 1-Heneicosanol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.904	5.89 ng	422434	Chrysene-d12	14.033

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosanol	312	C21H44O	015594-90-8	95
2	n-Nonadecanol-1	284	C19H40O	001454-84-8	95
3	n-Tetracosanol-1	354	C24H50O	000506-51-4	95
4	Behenic alcohol	326	C22H46O	000661-19-8	95
5	3-Eicosene, (E)-	280	C20H40	074685-33-9	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141915.D
Acq On : 11 Mar 2025 14:26
Operator : RC/JU
Sample : Q1514-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-103-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

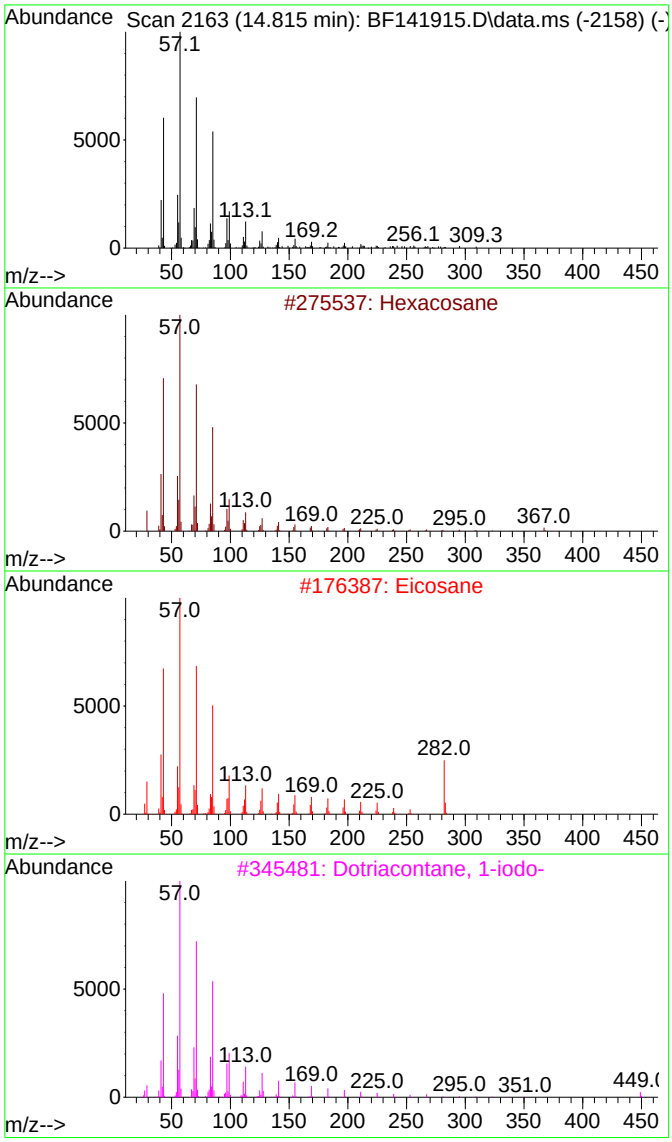
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

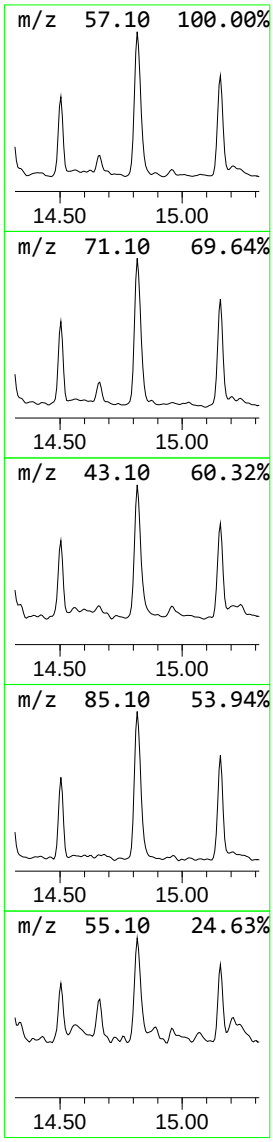
****

Peak Number 8 Hexacosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.815	4.34 ng	241512	Perylene-d12	15.504

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	94
2	Eicosane	282	C20H42	000112-95-8	93
3	Dotriacontane, 1-iodo-	576	C32H65I	1000406-32-4	90
4	Heneicosane	296	C21H44	000629-94-7	90
5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	90





Sample Results: **BF141915.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141915.D
Acq On : 11 Mar 2025 14:26
Operator : RC/JU
Sample : Q1514-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-103-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

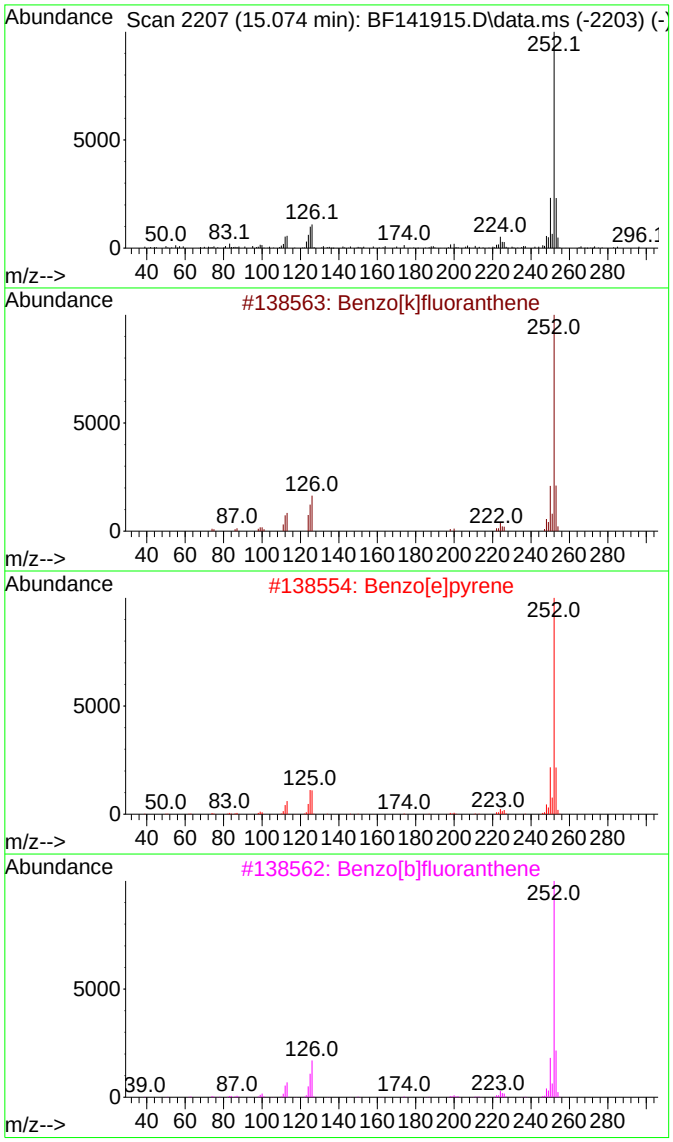
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

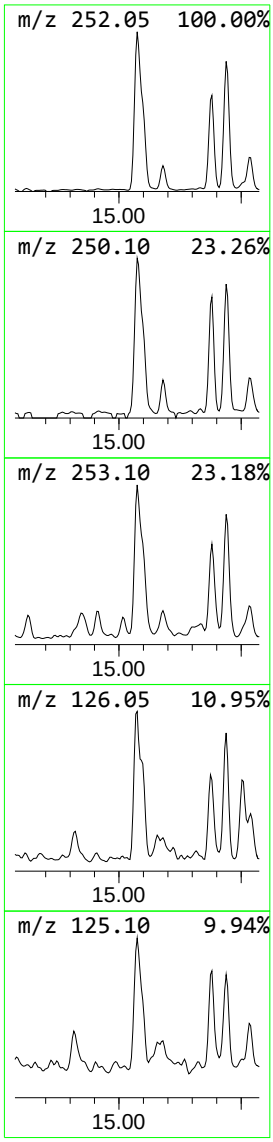
****

Peak Number 9 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.074	2.47 ng	137581	Perylene-d12	15.504

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
2	Benzo[e]pyrene	252	C20H12	000192-97-2	96
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	94
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141915.D
Acq On : 11 Mar 2025 14:26
Operator : RC/JU
Sample : Q1514-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-103-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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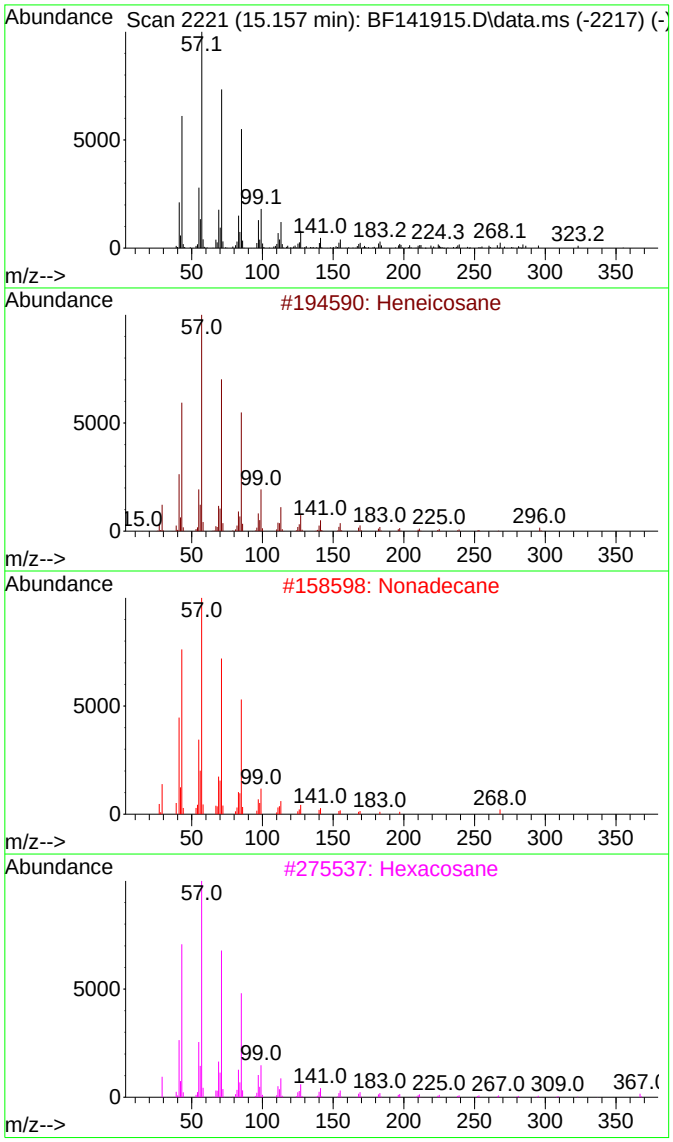
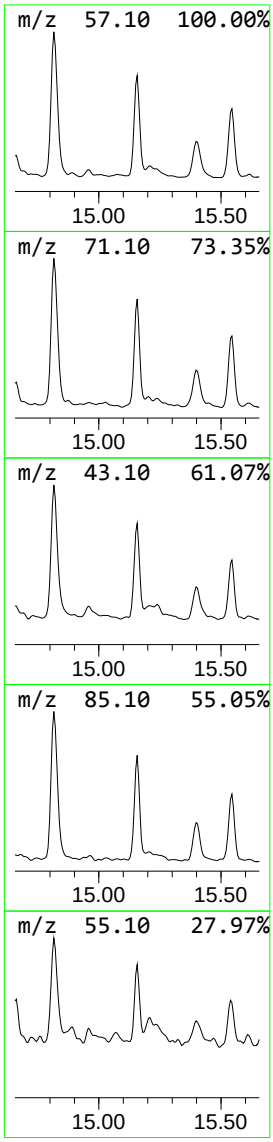
Peak Number 10 Heneicosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.157	2.20 ng	122613	Perylene-d12	15.504

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Nonadecane	268	C19H40	000629-92-5	91
3	Hexacosane	366	C26H54	000630-01-3	91
4	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	91
5	Octacosane	394	C28H58	000630-02-4	91





Sample Results: **BF141915.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141915.D
Acq On : 11 Mar 2025 14:26
Operator : RC/JU
Sample : Q1514-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-103-SB01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	2.157	36.1	ng	1644490	1	6.881	910527	20.0
Benzophenone	10.622	6.9	ng	515356	3	9.910	1488980	20.0
n-Hexadecanoic ...	11.922	28.4	ng	2517200	4	11.398	1772970	20.0
1,4-Benzenedica...	12.292	51.4	ng	4556690	4	11.398	1772970	20.0
Octadecanoic acid	12.704	36.1	ng	3205030	4	11.398	1772970	20.0
Octacosane	13.674	3.1	ng	220941	5	14.033	1435240	20.0
1-Heneicosanol	13.904	5.9	ng	422434	5	14.033	1435240	20.0
Hexacosane	14.815	4.3	ng	241512	6	15.504	1113860	20.0
Benzo[e]pyrene	15.074	2.5	ng	137581	6	15.504	1113860	20.0
Heneicosane	15.157	2.2	ng	122613	6	15.504	1113860	20.0

Raw Data: **BG064063.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-GW01	SDG No.:	Q1514
Lab Sample ID:	Q1514-07	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	800 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064063.D	1	03/07/25 08:24	03/07/25 17:40	PB167027

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	5.00	U	5.00	12.5	ug/L
108-95-2	Phenol	1.20	U	1.20	6.30	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.50	U	1.50	6.30	ug/L
95-57-8	2-Chlorophenol	0.89	U	0.89	6.30	ug/L
95-48-7	2-Methylphenol	1.40	U	1.40	6.30	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.70	U	1.70	6.30	ug/L
98-86-2	Acetophenone	1.40	U	1.40	6.30	ug/L
65794-96-9	3+4-Methylphenols	1.40	U	1.40	12.5	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.90	U	1.90	3.10	ug/L
67-72-1	Hexachloroethane	1.30	U	1.30	6.30	ug/L
98-95-3	Nitrobenzene	1.60	U	1.60	6.30	ug/L
78-59-1	Isophorone	1.40	U	1.40	6.30	ug/L
88-75-5	2-Nitrophenol	2.50	U	2.50	6.30	ug/L
105-67-9	2,4-Dimethylphenol	1.90	U	1.90	6.30	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1.30	U	1.30	6.30	ug/L
120-83-2	2,4-Dichlorophenol	1.10	U	1.10	6.30	ug/L
91-20-3	Naphthalene	1.30	U	1.30	6.30	ug/L
106-47-8	4-Chloroaniline	1.60	UQ	1.60	6.30	ug/L
87-68-3	Hexachlorobutadiene	1.60	U	1.60	6.30	ug/L
105-60-2	Caprolactam	33.2		2.10	12.5	ug/L
59-50-7	4-Chloro-3-methylphenol	1.10	U	1.10	6.30	ug/L
91-57-6	2-Methylnaphthalene	1.40	U	1.40	6.30	ug/L
77-47-4	Hexachlorocyclopentadiene	6.30	U	6.30	12.5	ug/L
88-06-2	2,4,6-Trichlorophenol	1.10	U	1.10	6.30	ug/L
95-95-4	2,4,5-Trichlorophenol	1.30	U	1.30	6.30	ug/L
92-52-4	1,1-Biphenyl	1.10	U	1.10	6.30	ug/L
91-58-7	2-Chloronaphthalene	1.20	U	1.20	6.30	ug/L
88-74-4	2-Nitroaniline	1.80	U	1.80	6.30	ug/L
131-11-3	Dimethylphthalate	1.20	U	1.20	6.30	ug/L

Raw Data: **BG064063.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-GW01	SDG No.:	Q1514
Lab Sample ID:	Q1514-07	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	800 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064063.D	1	03/07/25 08:24	03/07/25 17:40	PB167027

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	1.30	U	1.30	6.30	ug/L
606-20-2	2,6-Dinitrotoluene	1.60	U	1.60	6.30	ug/L
99-09-2	3-Nitroaniline	1.70	UQ	1.70	6.30	ug/L
83-32-9	Acenaphthene	1.00	U	1.00	6.30	ug/L
51-28-5	2,4-Dinitrophenol	8.00	U	8.00	12.5	ug/L
100-02-7	4-Nitrophenol	2.50	U	2.50	12.5	ug/L
132-64-9	Dibenzofuran	1.20	U	1.20	6.30	ug/L
121-14-2	2,4-Dinitrotoluene	1.90	U	1.90	6.30	ug/L
84-66-2	Diethylphthalate	1.30	U	1.30	6.30	ug/L
7005-72-3	4-Chlorophenyl-phenylether	1.20	U	1.20	6.30	ug/L
86-73-7	Fluorene	1.20	U	1.20	6.30	ug/L
100-01-6	4-Nitroaniline	2.60	U	2.60	6.30	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.80	U	3.80	12.5	ug/L
86-30-6	n-Nitrosodiphenylamine	1.10	U	1.10	6.30	ug/L
101-55-3	4-Bromophenyl-phenylether	1.20	U	1.20	6.30	ug/L
118-74-1	Hexachlorobenzene	1.40	U	1.40	6.30	ug/L
1912-24-9	Atrazine	1.60	UQ	1.60	6.30	ug/L
87-86-5	Pentachlorophenol	2.30	U	2.30	12.5	ug/L
85-01-8	Phenanthrene	1.10	U	1.10	6.30	ug/L
120-12-7	Anthracene	1.30	U	1.30	6.30	ug/L
86-74-8	Carbazole	1.40	U	1.40	6.30	ug/L
84-74-2	Di-n-butylphthalate	1.80	U	1.80	6.30	ug/L
206-44-0	Fluoranthene	1.60	U	1.60	6.30	ug/L
129-00-0	Pyrene	1.30	U	1.30	6.30	ug/L
85-68-7	Butylbenzylphthalate	2.60	U	2.60	6.30	ug/L
91-94-1	3,3-Dichlorobenzidine	1.60	UQ	1.60	12.5	ug/L
56-55-3	Benzo(a)anthracene	1.20	U	1.20	6.30	ug/L
218-01-9	Chrysene	1.10	U	1.10	6.30	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	2.40	U	2.40	6.30	ug/L
117-84-0	Di-n-octyl phthalate	3.10	U	3.10	12.5	ug/L
205-99-2	Benzo(b)fluoranthene	1.40	U	1.40	6.30	ug/L

Raw Data: **BG064063.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-GW01	SDG No.:	Q1514
Lab Sample ID:	Q1514-07	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	800 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064063.D	1	03/07/25 08:24	03/07/25 17:40	PB167027

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	1.50	U	1.50	6.30	ug/L
50-32-8	Benzo(a)pyrene	2.10	U	2.10	6.30	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.30	U	1.30	6.30	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.40	U	1.40	6.30	ug/L
191-24-2	Benzo(g,h,i)perylene	1.50	U	1.50	6.30	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.40	U	1.40	6.30	ug/L
123-91-1	1,4-Dioxane	1.60	U	1.60	6.30	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.99	U	0.99	6.30	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	74.4		15 (10) - 110 (139)	50%	SPK: 150
13127-88-3	Phenol-d6	49.1		15 (10) - 110 (134)	33%	SPK: 150
4165-60-0	Nitrobenzene-d5	91.9		30 (49) - 130 (133)	92%	SPK: 100
321-60-8	2-Fluorobiphenyl	83.9		30 (52) - 130 (132)	84%	SPK: 100
118-79-6	2,4,6-Tribromophenol	142		15 (44) - 110 (137)	95%	SPK: 150
1718-51-0	Terphenyl-d14	84.8		30 (48) - 130 (125)	85%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	37700	7.862			
1146-65-2	Naphthalene-d8	164000	10.653			
15067-26-2	Acenaphthene-d10	112000	14.484			
1517-22-2	Phenanthrene-d10	253000	17.227			
1719-03-5	Chrysene-d12	258000	21.458			
1520-96-3	Perylene-d12	269000	24.478			
TENTATIVE IDENTIFIED COMPOUNDS						
1000139-90-3	1-Isobutoxy-2-ethylhexane	11.7	J		7.93	ug/L
000149-57-5	Hexanoic acid, 2-ethyl-	3.50	J		9.15	ug/L
000119-61-9	Benzophenone	2.60	J		15.8	ug/L
000057-10-3	n-Hexadecanoic acid	3.60	J		18.1	ug/L
1000349-73-7	Adipic acid, butyl 4-heptyl ester	28.2	J		19.5	ug/L

Raw Data: **BG064063.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-GW01	SDG No.:	Q1514
Lab Sample ID:	Q1514-07	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	800 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064063.D	1	03/07/25 08:24	03/07/25 17:40	PB167027

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Sample Results: **BG064063.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064063.D
Acq On : 7 Mar 2025 17:40
Operator : RC/JU
Sample : Q1514-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-105-GW01

Quant Time: Mar 07 22:56:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.862	152	37672	20.000	ng	# 0.00
21) Naphthalene-d8	10.653	136	163817	20.000	ng	0.00
39) Acenaphthene-d10	14.484	164	111944	20.000	ng	0.00
64) Phenanthrene-d10	17.227	188	252643	20.000	ng	0.00
76) Chrysene-d12	21.458	240	258476	20.000	ng	0.00
86) Perylene-d12	24.478	264	269422	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.453	112	179568	74.428	ng	0.00
7) Phenol-d6	7.028	99	160997	49.053	ng	0.00
23) Nitrobenzene-d5	9.014	82	272348	91.874	ng	0.00
42) 2,4,6-Tribromophenol	15.976	330	176739	142.035	ng	0.00
45) 2-Fluorobiphenyl	13.115	172	618595	83.877	ng	0.00
79) Terphenyl-d14	19.854	244	1084057	84.803	ng	0.00
Target Compounds						Qvalue
35) Caprolactam	11.552	113	22875	26.577	ng	88

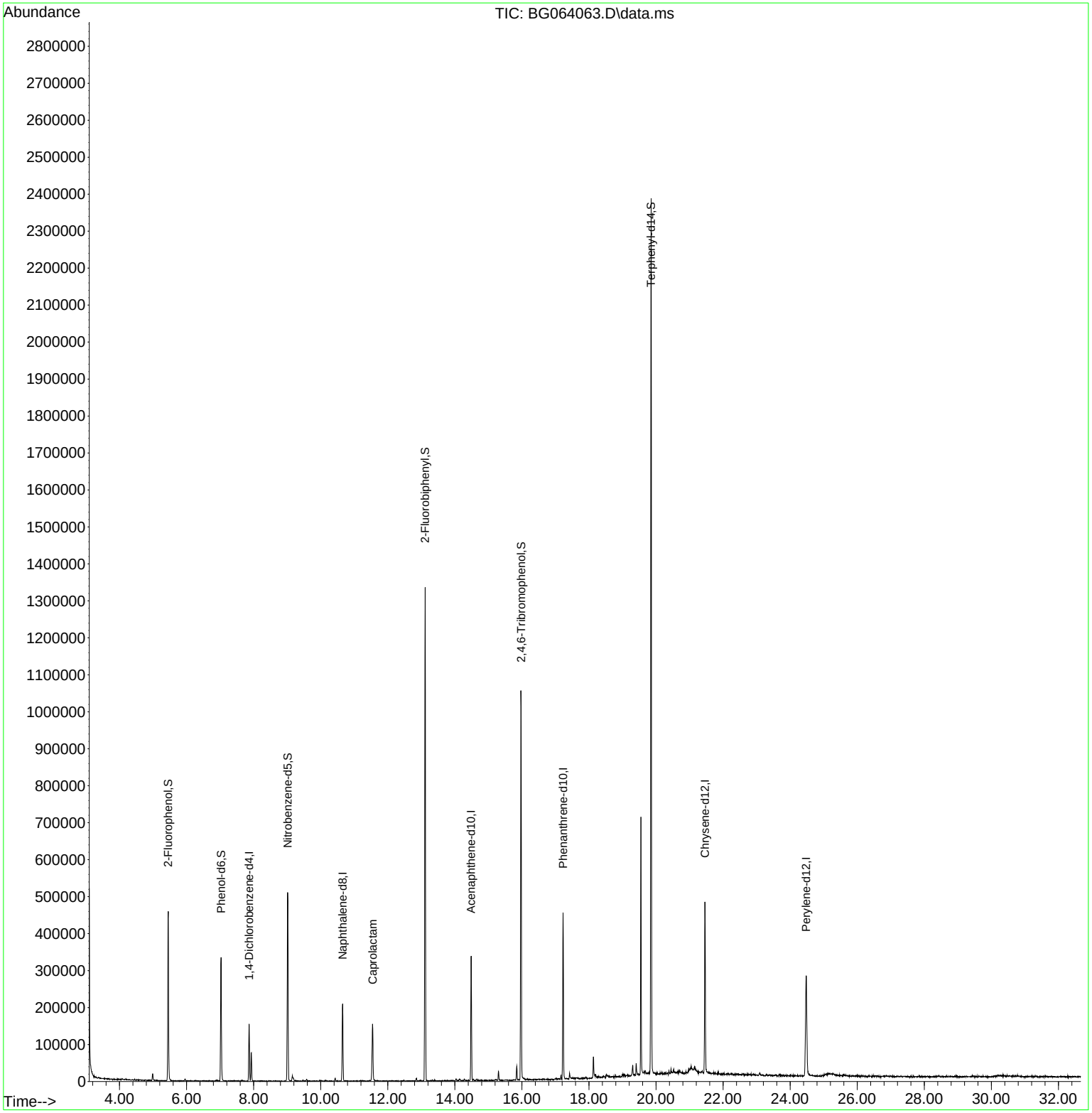
(#) = qualifier out of range (m) = manual integration (+) = signals summed

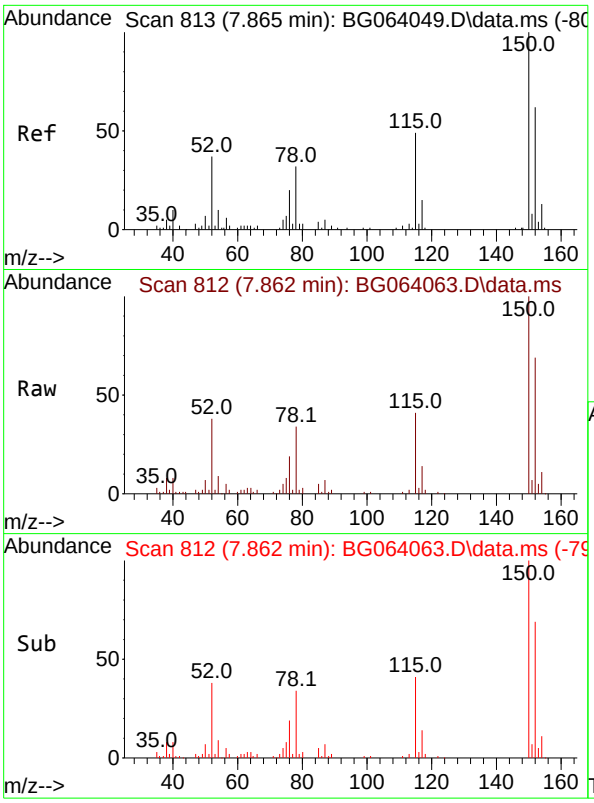
Sample Results: **BG064063.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064063.D
Acq On : 7 Mar 2025 17:40
Operator : RC/JU
Sample : Q1514-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-105-GW01

Quant Time: Mar 07 22:56:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration



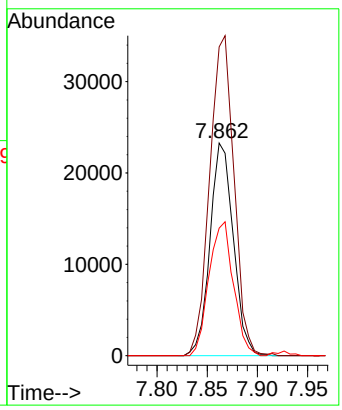


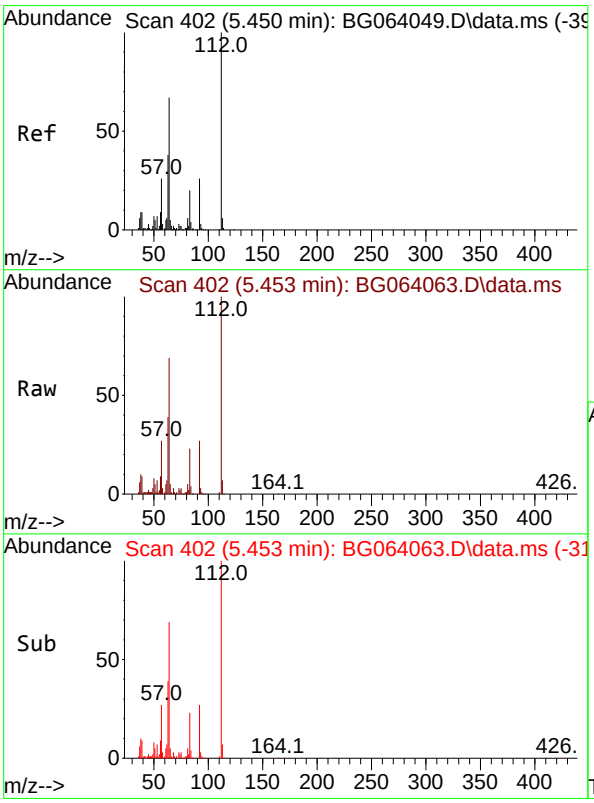
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.862 min Scan# 81
Delta R.T. -0.003 min
Lab File: BG064063.D
Acq: 7 Mar 2025 17:40

Instrument :
BNA_G
ClientSampleId :
ENV-105-GW01

Tgt Ion:152 Resp: 37672

Ion	Ratio	Lower	Upper
152	100		
150	145.2	129.2	193.8
115	60.0	63.0	94.6#

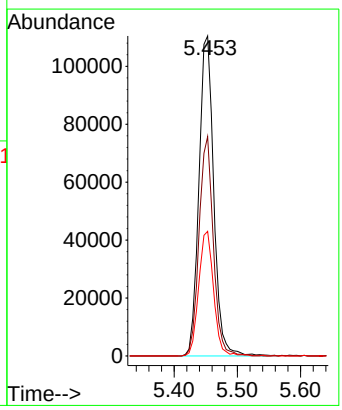


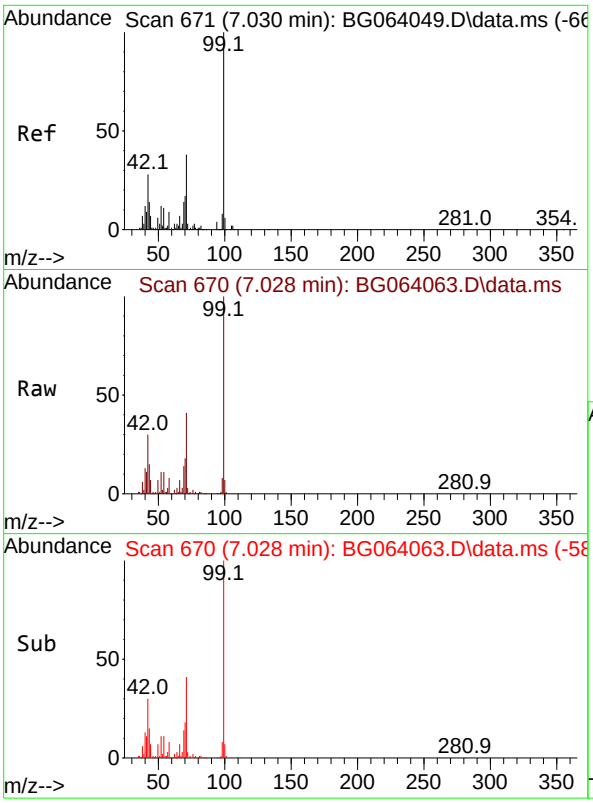


#5
2-Fluorophenol
Concen: 74.428 ng
RT: 5.453 min Scan# 402
Delta R.T. 0.003 min
Lab File: BG064063.D
Acq: 7 Mar 2025 17:40

Tgt Ion:112 Resp: 179568

Ion	Ratio	Lower	Upper
112	100		
64	68.5	53.7	80.5
63	39.0	30.2	45.4



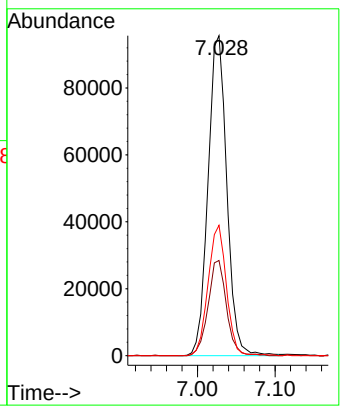


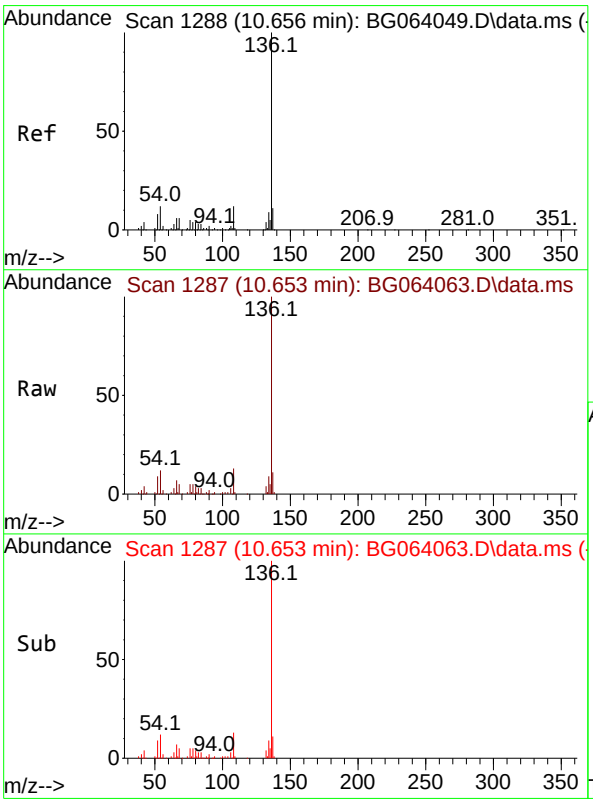
#7
Phenol-d6
Concen: 49.053 ng
RT: 7.028 min Scan# 6
Delta R.T. -0.003 min
Lab File: BG064063.D
Acq: 7 Mar 2025 17:40

Instrument :
BNA_G
ClientSampleId :
ENV-105-GW01

Tgt Ion: 99 Resp: 160997

Ion	Ratio	Lower	Upper
99	100		
42	29.8	22.7	34.1
71	40.7	30.6	46.0

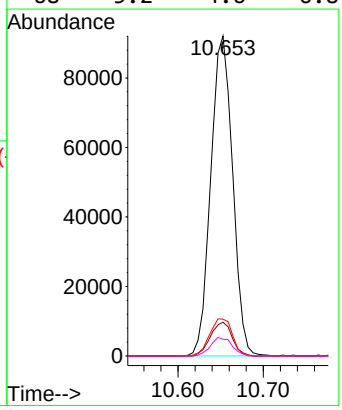


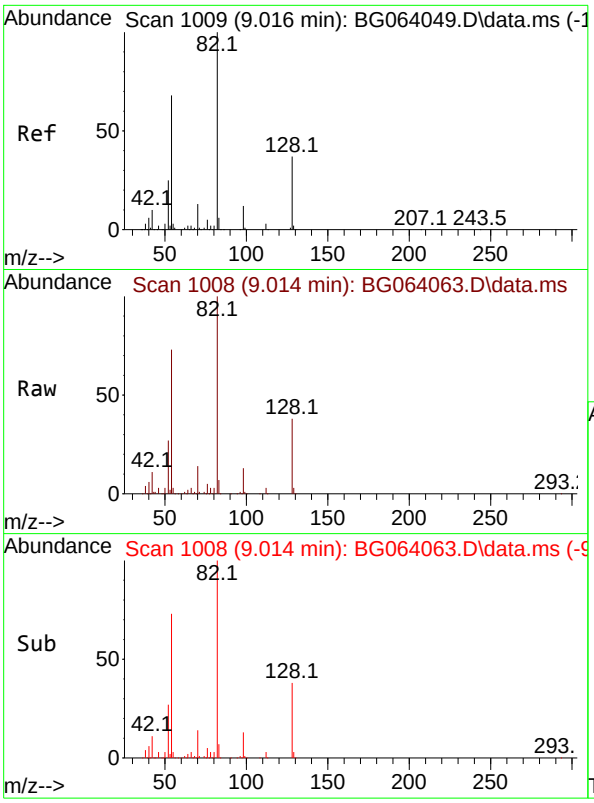


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.653 min Scan# 1287
Delta R.T. -0.003 min
Lab File: BG064063.D
Acq: 7 Mar 2025 17:40

Tgt Ion:136 Resp: 163817

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.5	12.7
54	11.5	9.9	14.9
68	5.2	4.6	6.8



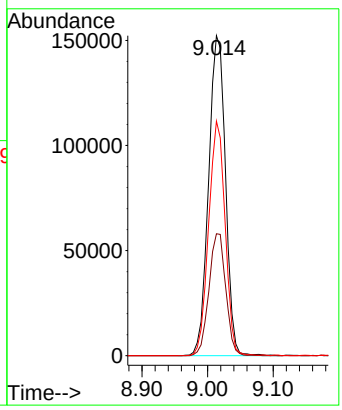


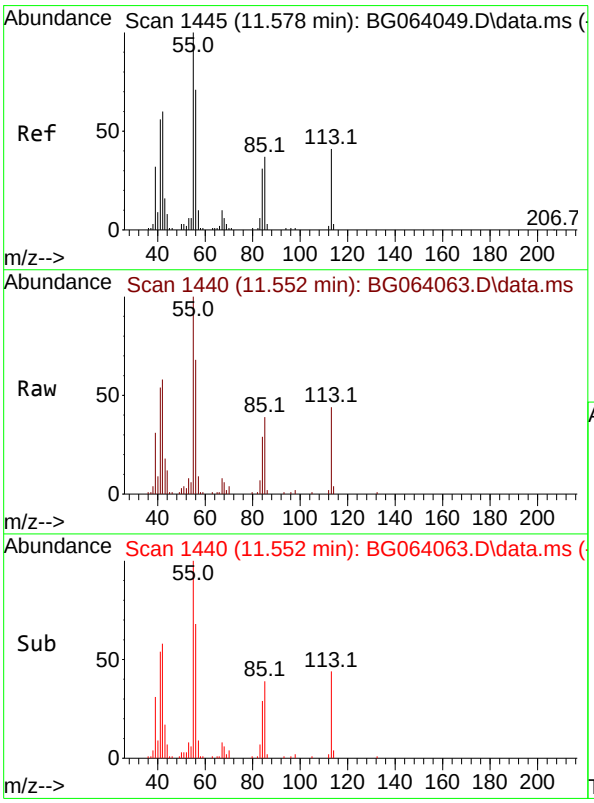
#23
Nitrobenzene-d5
Concen: 91.874 ng
RT: 9.014 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064063.D
Acq: 7 Mar 2025 17:40

Instrument :
BNA_G
ClientSampleId :
ENV-105-GW01

Tgt Ion: 82 Resp: 272348

Ion	Ratio	Lower	Upper
82	100		
128	38.1	30.0	45.0
54	73.3	54.7	82.1

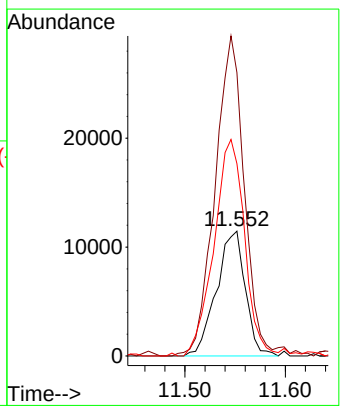


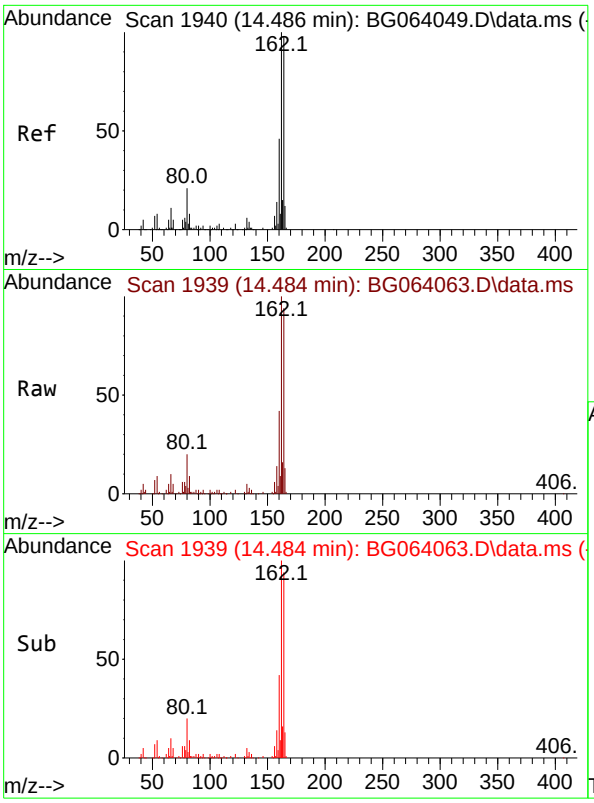


#35
Caprolactam
Concen: 26.577 ng
RT: 11.552 min Scan# 1440
Delta R.T. -0.026 min
Lab File: BG064063.D
Acq: 7 Mar 2025 17:40

Tgt Ion:113 Resp: 22875

Ion	Ratio	Lower	Upper
113	100		
55	227.1	225.2	265.2
56	154.1	153.4	193.4



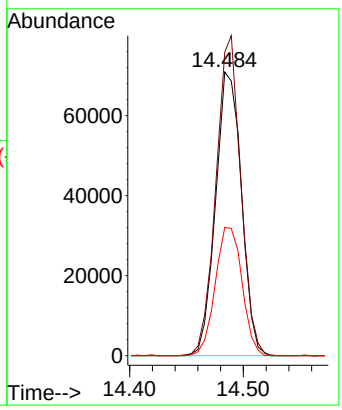


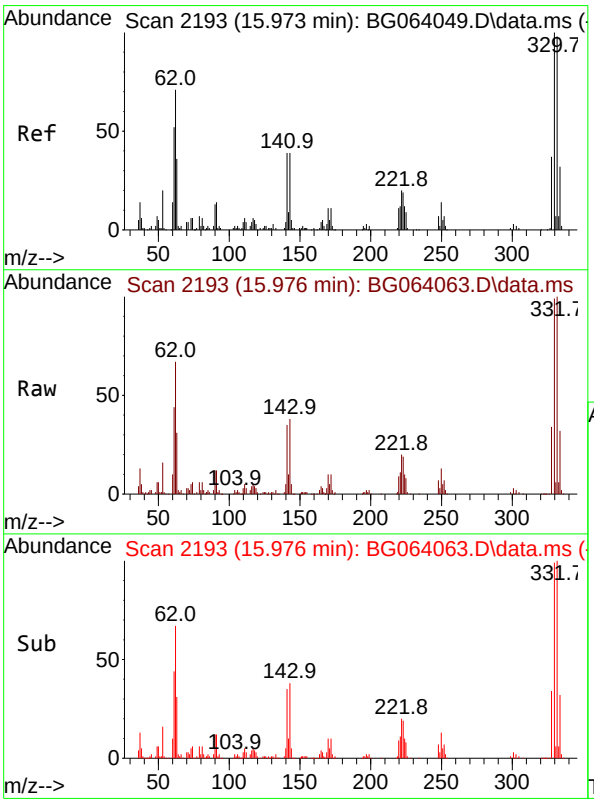
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.484 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064063.D
Acq: 7 Mar 2025 17:40

Instrument :
BNA_G
ClientSampleId :
ENV-105-GW01

Tgt Ion:164 Resp: 111944

Ion	Ratio	Lower	Upper
164	100		
162	106.9	81.4	122.0
160	45.3	37.0	55.6

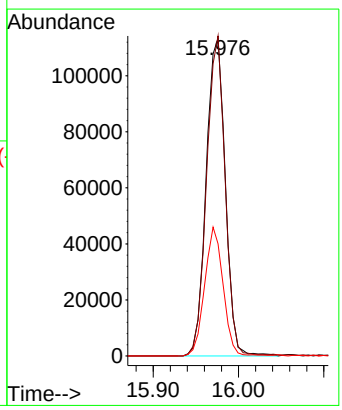


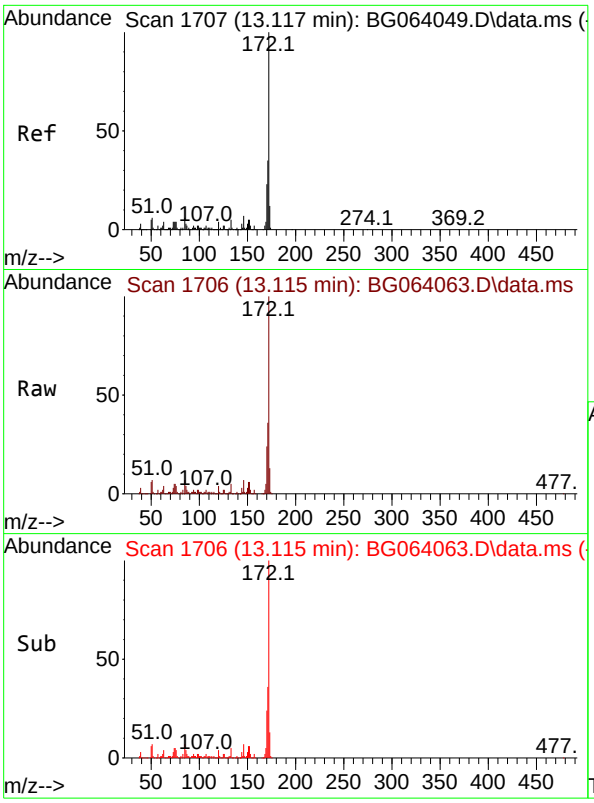


#42
2,4,6-Tribromophenol
Concen: 142.035 ng
RT: 15.976 min Scan# 2193
Delta R.T. 0.003 min
Lab File: BG064063.D
Acq: 7 Mar 2025 17:40

Tgt Ion:330 Resp: 176739

Ion	Ratio	Lower	Upper
330	100		
332	97.8	76.7	115.1
141	39.2	29.7	44.5



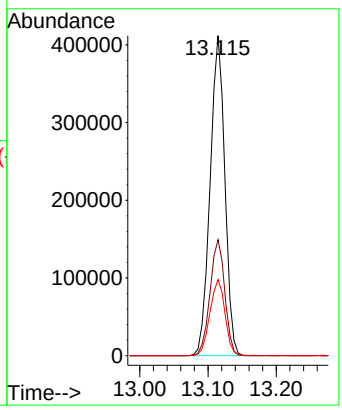


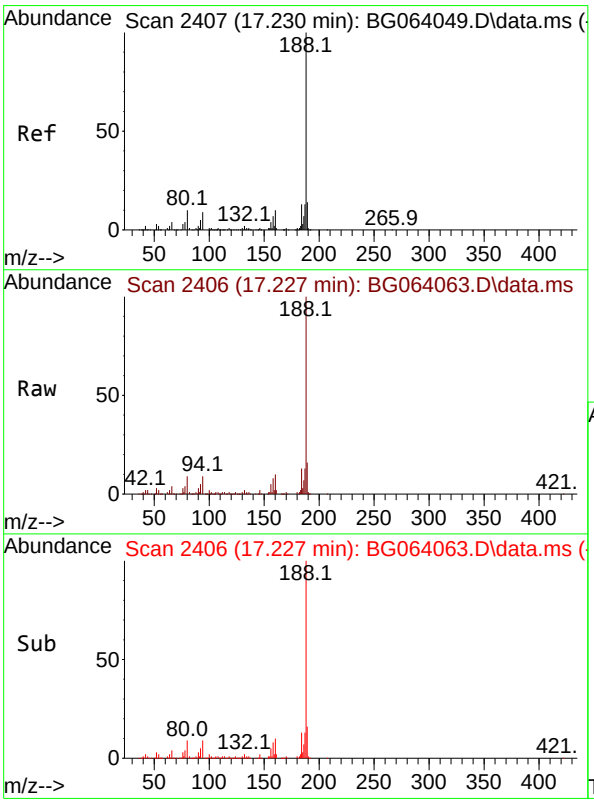
#45
2-Fluorobiphenyl
Concen: 83.877 ng
RT: 13.115 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064063.D
Acq: 7 Mar 2025 17:40

Instrument :
BNA_G
ClientSampleId :
ENV-105-GW01

Tgt Ion:172 Resp: 618595

Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.0	42.0
170	23.8	18.7	28.1

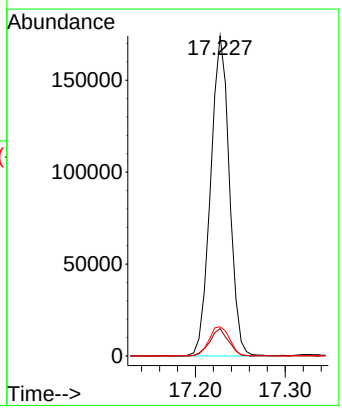


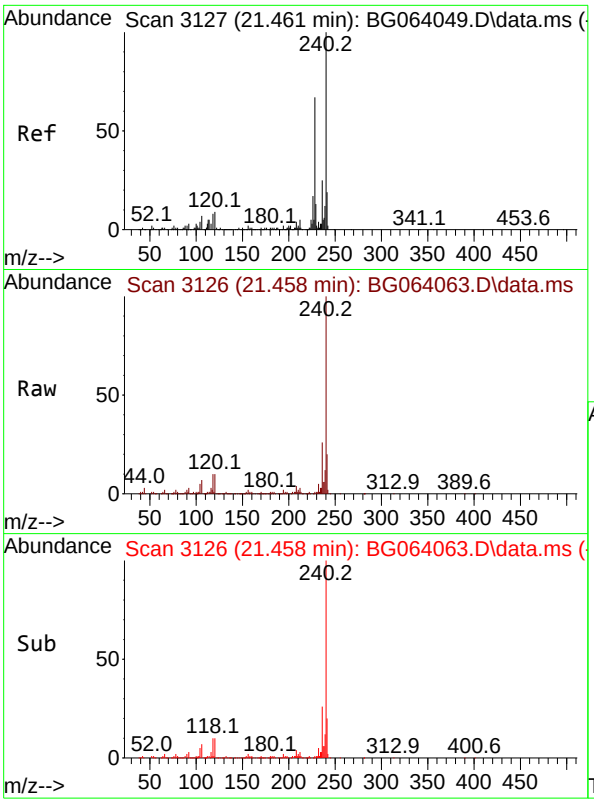


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.227 min Scan# 2406
Delta R.T. -0.003 min
Lab File: BG064063.D
Acq: 7 Mar 2025 17:40

Tgt Ion:188 Resp: 252643

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.9	10.3
80	9.1	8.1	12.1



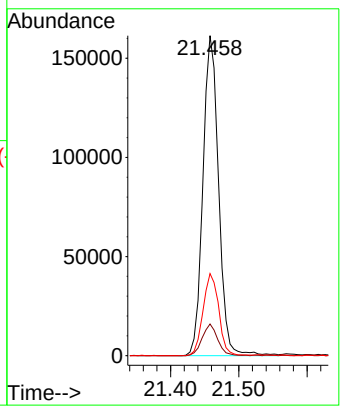


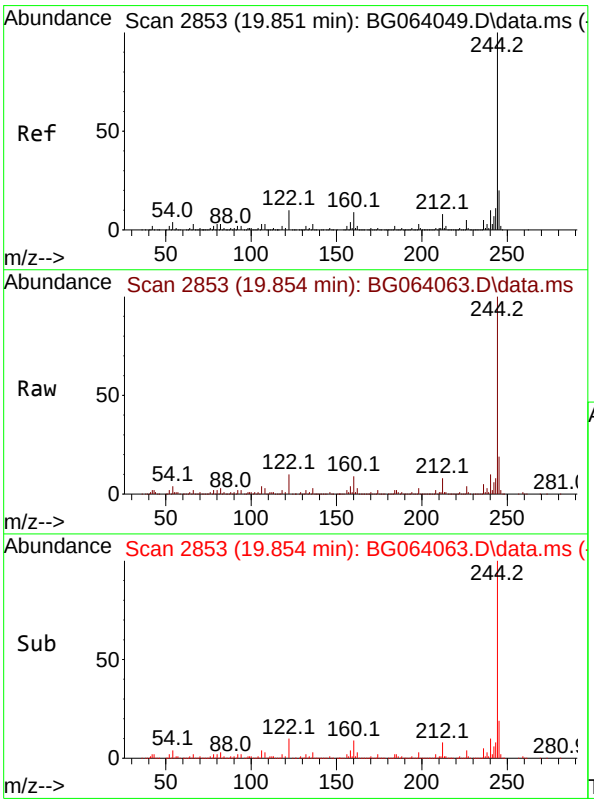
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.458 min Scan# 3
Delta R.T. -0.003 min
Lab File: BG064063.D
Acq: 7 Mar 2025 17:40

Instrument :
BNA_G
ClientSampleId :
ENV-105-GW01

Tgt Ion:240 Resp: 258476

Ion	Ratio	Lower	Upper
240	100		
120	9.9	7.2	10.8
236	25.6	20.2	30.2

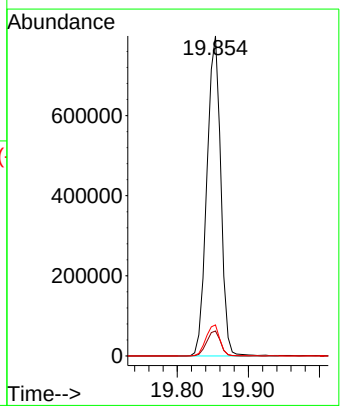


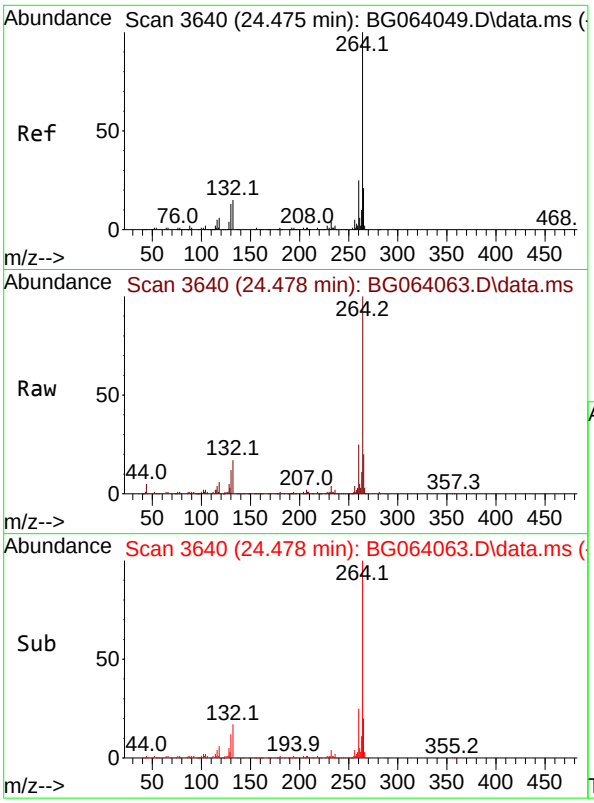


#79
Terphenyl-d14
Concen: 84.803 ng
RT: 19.854 min Scan# 2853
Delta R.T. 0.003 min
Lab File: BG064063.D
Acq: 7 Mar 2025 17:40

Tgt Ion:244 Resp: 1084057

Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.2	9.4
122	9.7	8.0	12.0



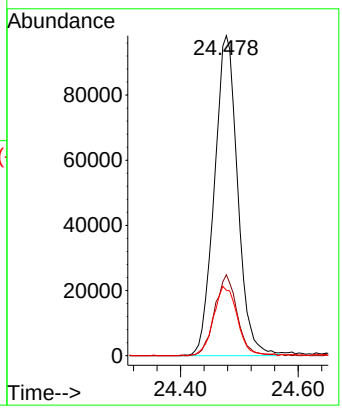


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.478 min Scan# 3
Delta R.T. 0.003 min
Lab File: BG064063.D
Acq: 7 Mar 2025 17:40

Instrument :
BNA_G
ClientSampleId :
ENV-105-GW01

Tgt Ion:264 Resp: 269422

Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.6	29.4
265	20.4	16.6	25.0



Sample Results: **BG064063.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064063.D
Acq On : 7 Mar 2025 17:40
Operator : RC/JU
Sample : Q1514-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-105-GW01

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG064063.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.453	393	402	415	rBV	457818	730979	21.53%	5.180%
2	7.028	663	670	682	rBV	334594	571358	16.83%	4.049%
3	7.862	806	812	818	rBV	154941	257909	7.60%	1.828%
4	7.932	818	824	830	rVB	76034	120776	3.56%	0.856%
5	9.014	998	1008	1017	rBV	510352	903170	26.61%	6.401%
6	9.155	1027	1032	1043	rBV7	14393	36125	1.06%	0.256%
7	10.653	1279	1287	1295	rBV	208775	368138	10.84%	2.609%
8	11.546	1428	1439	1451	rBV2	153839	313984	9.25%	2.225%
9	13.115	1698	1706	1712	rBV	1334693	1996785	58.82%	14.151%
10	14.489	1933	1940	1947	rVB	336863	530790	15.64%	3.762%
11	15.300	2072	2078	2084	rBV4	24302	36780	1.08%	0.261%
12	15.847	2166	2171	2177	rVB	37679	54630	1.61%	0.387%
13	15.970	2185	2192	2202	rBV	1053502	1629722	48.01%	11.550%
14	17.227	2400	2406	2417	rBV	450989	671593	19.78%	4.760%
15	18.132	2554	2560	2567	rBV3	57970	95824	2.82%	0.679%
16	19.301	2754	2759	2764	rVB3	26081	39344	1.16%	0.279%
17	19.407	2773	2777	2783	rBV6	32733	47860	1.41%	0.339%
18	19.548	2796	2801	2812	rBV	697446	836344	24.64%	5.927%
19	19.854	2846	2853	2864	rBV	2365272	3394646	100.00%	24.058%
20	21.458	3120	3126	3137	rBV	462902	741526	21.84%	5.255%
21	24.478	3630	3640	3649	rBV2	270171	732084	21.57%	5.188%

Sum of corrected areas: 14110367

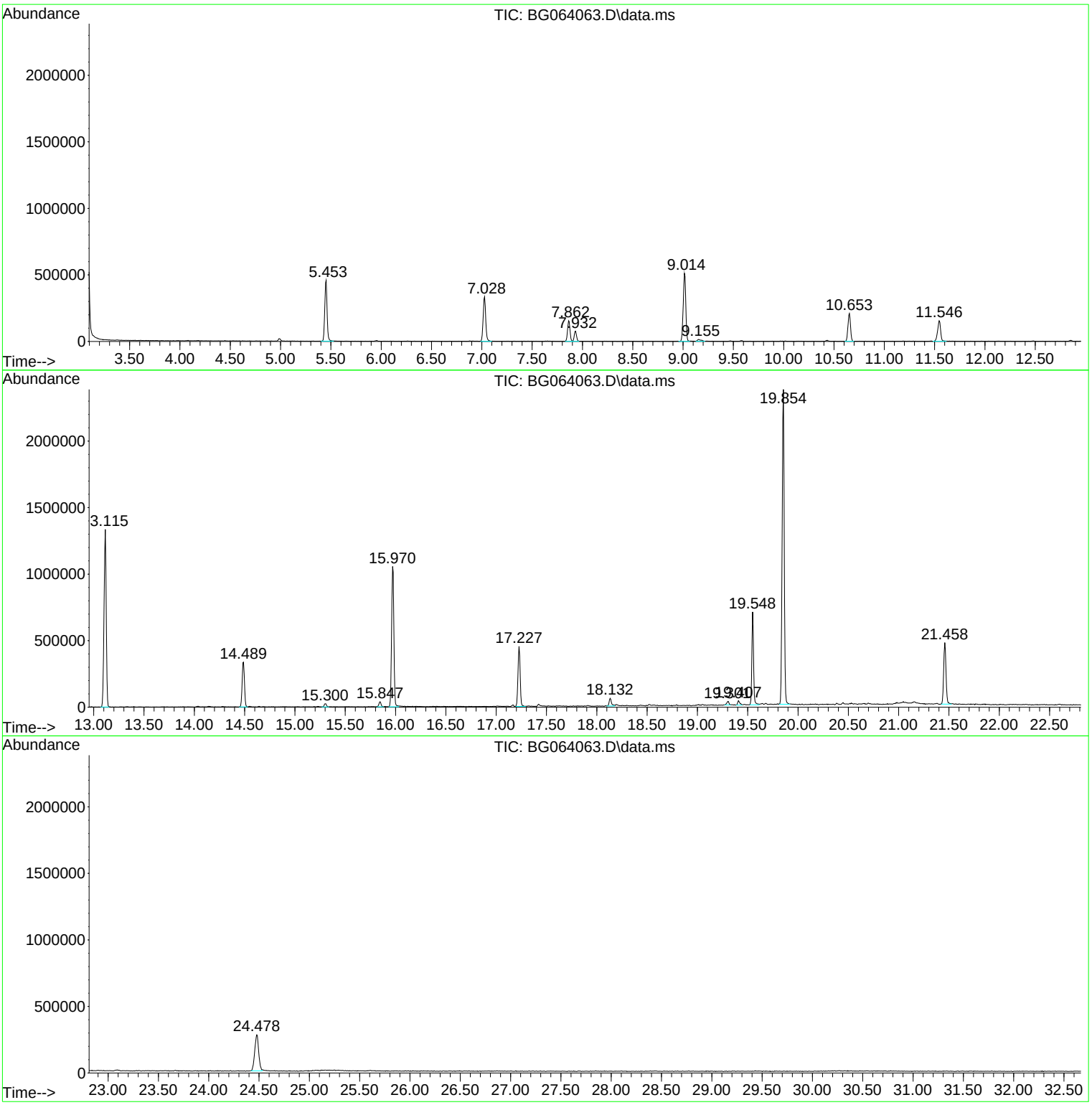
Sample Results: **BG064063.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064063.D
Acq On : 7 Mar 2025 17:40
Operator : RC/JU
Sample : Q1514-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-105-GW01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064063.D
Acq On : 7 Mar 2025 17:40
Operator : RC/JU
Sample : Q1514-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-105-GW01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

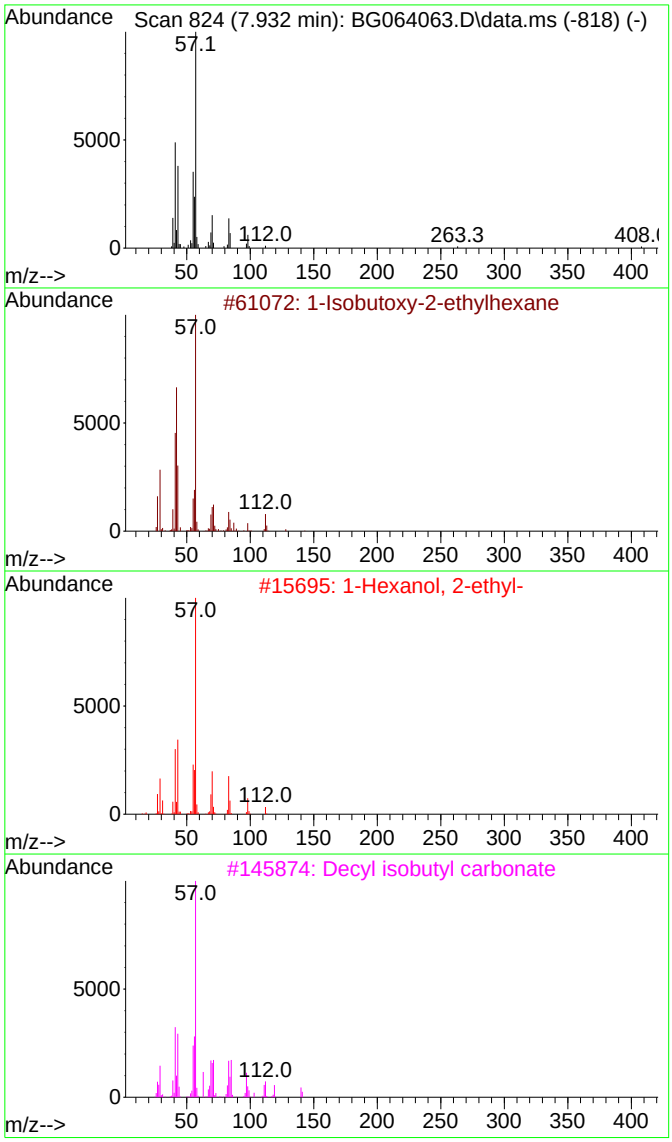
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

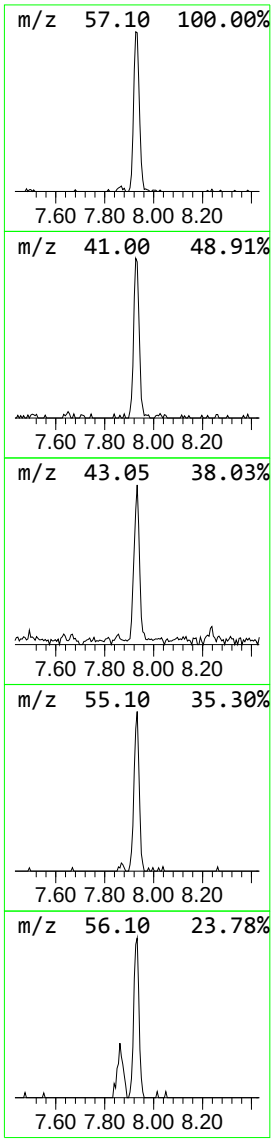
****

Peak Number 1 1-Isobutoxy-2-ethylhexane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.932	9.37 ng	120776	1,4-Dichlorobenzene-d4	7.862

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isobutoxy-2-ethylhexane	186	C12H26O	1000139-90-3	72
2	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	59
3	Decyl isobutyl carbonate	258	C15H30O3	959226-07-4	56
4	Heptyl isobutyl carbonate	216	C12H24O3	959068-08-7	53
5	1-Hexene, 5,5-dimethyl-	112	C8H16	007116-86-1	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064063.D
Acq On : 7 Mar 2025 17:40
Operator : RC/JU
Sample : Q1514-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-105-GW01

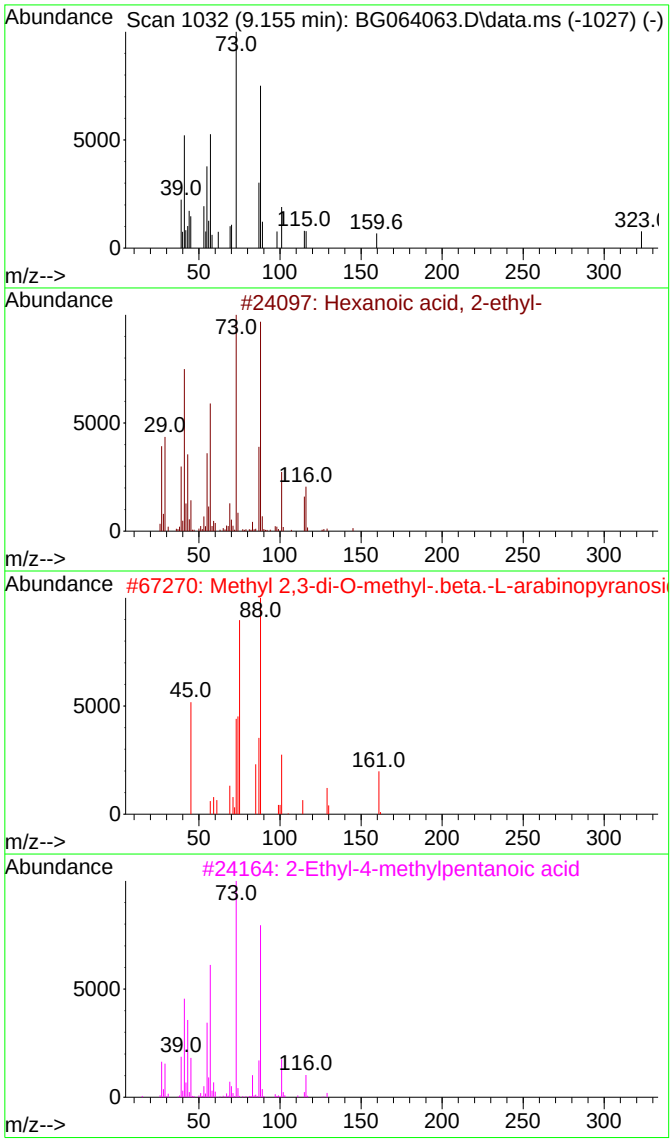
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

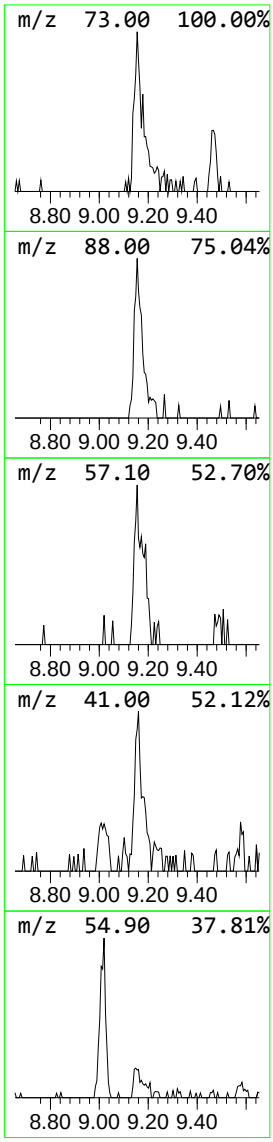
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Hexanoic acid, 2-ethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.155	2.80 ng	36125	1,4-Dichlorobenzene-d4	7.862

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	59
2	Methyl 2,3-di-O-methyl-.beta.-L-...	192	C8H16O5	053989-92-7	42
3	2-Ethyl-4-methylpentanoic acid	144	C8H16O2	000108-81-6	42
4	Heptanoic acid, ethyl ester	158	C9H18O2	000106-30-9	38
5	Pentanoic acid, ethyl ester	130	C7H14O2	000539-82-2	37





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064063.D
Acq On : 7 Mar 2025 17:40
Operator : RC/JU
Sample : Q1514-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-105-GW01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

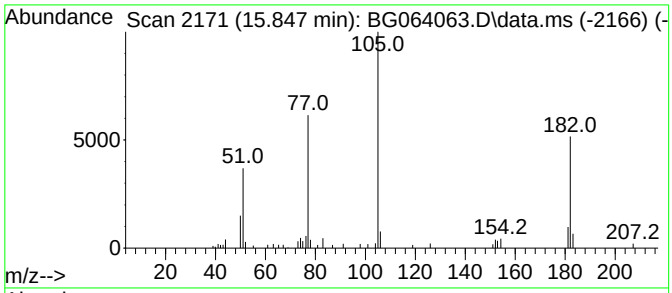
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

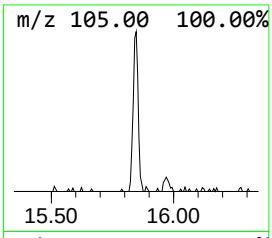
****

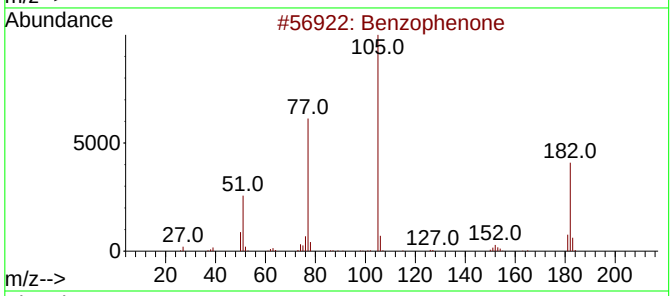
Peak Number 3 Benzophenone Concentration Rank 5

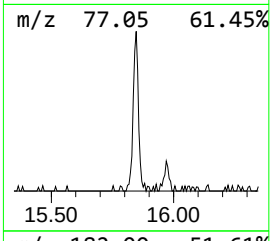
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.847	2.06 ng	54630	Acenaphthene-d10	14.484

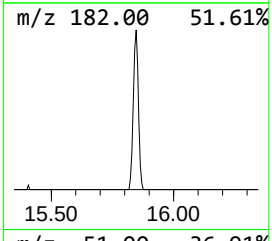
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	94
2	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	46
3	Benzenecarbothioic acid	138	C7H6OS	000098-91-9	43
4	Pentafluoroethyl phenyl ketone	224	C9H5F5O	000394-52-5	43
5	S-Benzoyl(thiohydroxylamine)	153	C7H7NOS	025740-80-1	43

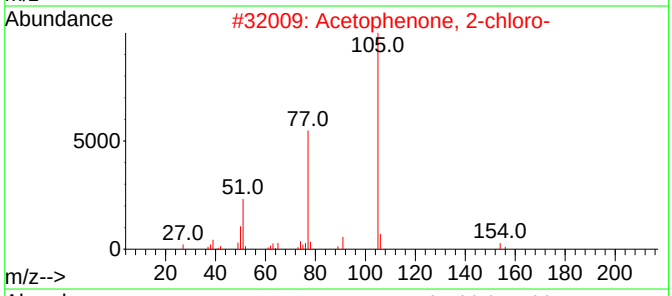


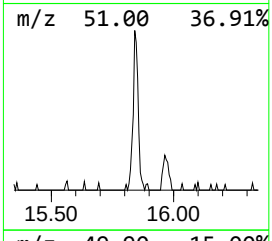


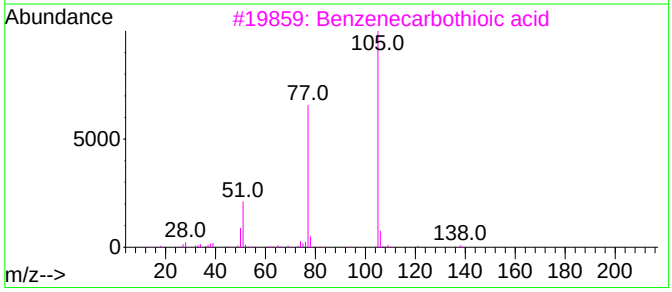


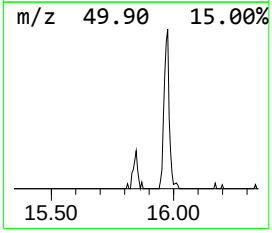












Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064063.D
Acq On : 7 Mar 2025 17:40
Operator : RC/JU
Sample : Q1514-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-105-GW01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

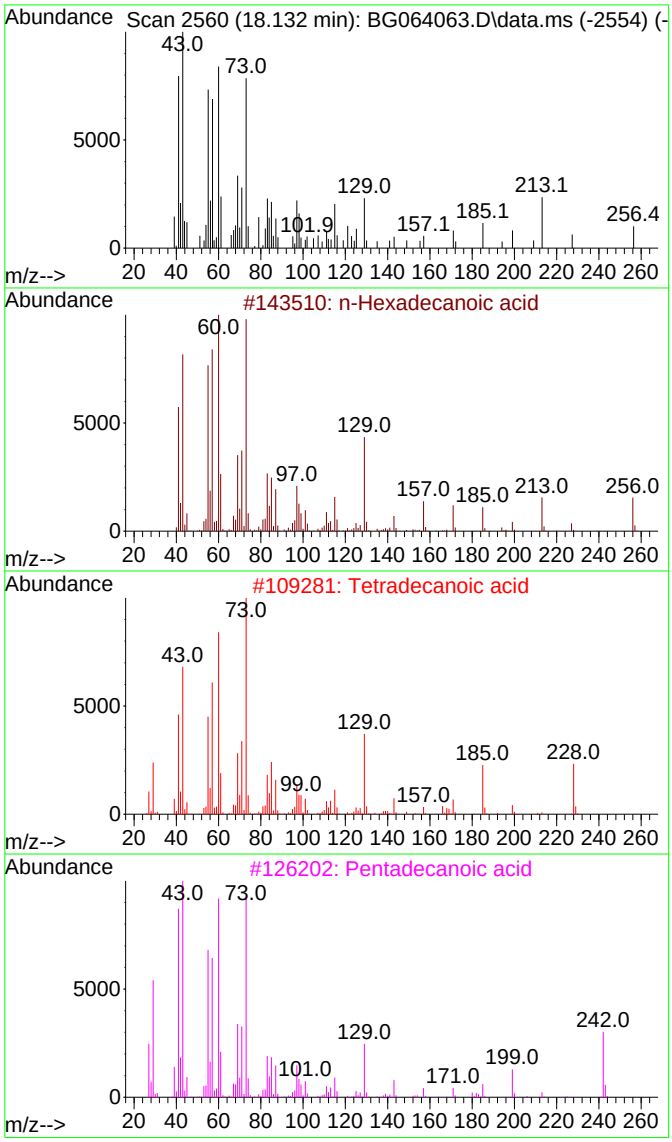
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

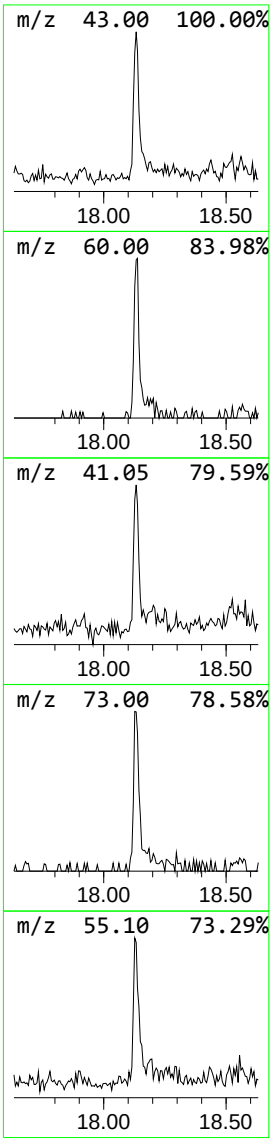
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.132	2.85 ng	95824	Phenanthrene-d10	17.227

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	89
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	64
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	50
4	Undecanoic acid	186	C11H22O2	000112-37-8	50
5	n-Decanoic acid	172	C10H20O2	000334-48-5	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064063.D
Acq On : 7 Mar 2025 17:40
Operator : RC/JU
Sample : Q1514-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-105-GW01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

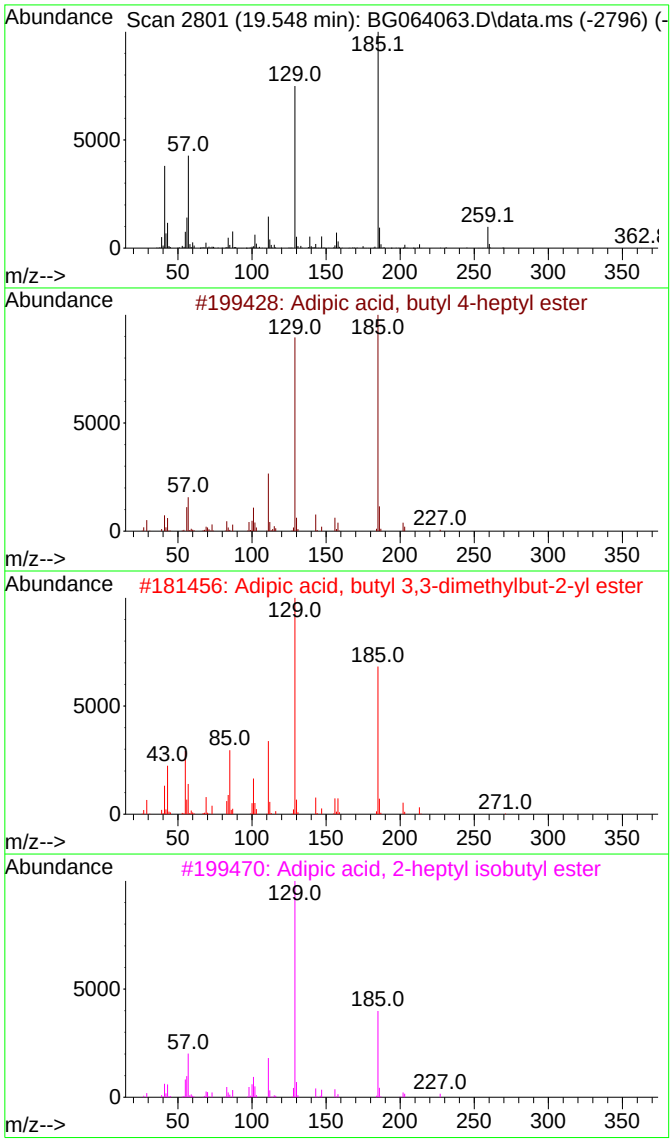
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

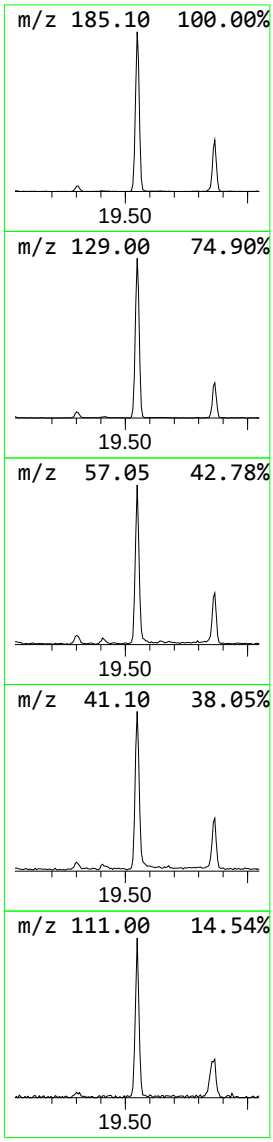
****

Peak Number 5 Adipic acid, butyl 4-heptyl... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.548	22.56 ng	836344	Chrysene-d12	21.458

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Adipic acid, butyl 4-heptyl ester	300	C17H32O4	1000349-73-7	72
2	Adipic acid, butyl 3,3-dimethylb...	286	C16H30O4	1000353-66-8	72
3	Adipic acid, 2-heptyl isobutyl e...	300	C17H32O4	1000353-64-3	72
4	Butyl citrate	360	C18H32O7	000077-94-1	72
5	Adipic acid, 2-hexyl isobutyl ester	286	C16H30O4	1000353-70-9	72





Sample Results: **BG064063.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064063.D
Acq On : 7 Mar 2025 17:40
Operator : RC/JU
Sample : Q1514-07
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-105-GW01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
1-Isobutoxy-2-e...	7.932	9.4	ng	120776	1	7.862	257909	20.0
Hexanoic acid, ...	9.155	2.8	ng	36125	1	7.862	257909	20.0
Benzophenone	15.847	2.1	ng	54630	3	14.484	530790	20.0
n-Hexadecanoic ...	18.132	2.9	ng	95824	4	17.227	671593	20.0
Adipic acid, bu...	19.548	22.6	ng	836344	5	21.458	741526	20.0

Raw Data: **BG064068.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-103-GW01	SDG No.:	Q1514
Lab Sample ID:	Q1514-08	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	850 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064068.D	1	03/07/25 08:24	03/07/25 21:03	PB167027

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.70	U	4.70	11.8	ug/L
108-95-2	Phenol	1.10	U	1.10	5.90	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.40	U	1.40	5.90	ug/L
95-57-8	2-Chlorophenol	0.84	U	0.84	5.90	ug/L
95-48-7	2-Methylphenol	1.30	U	1.30	5.90	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.60	U	1.60	5.90	ug/L
98-86-2	Acetophenone	1.30	U	1.30	5.90	ug/L
65794-96-9	3+4-Methylphenols	1.40	U	1.40	11.8	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.70	U	1.70	2.90	ug/L
67-72-1	Hexachloroethane	1.20	U	1.20	5.90	ug/L
98-95-3	Nitrobenzene	1.50	U	1.50	5.90	ug/L
78-59-1	Isophorone	1.30	U	1.30	5.90	ug/L
88-75-5	2-Nitrophenol	2.30	U	2.30	5.90	ug/L
105-67-9	2,4-Dimethylphenol	1.80	U	1.80	5.90	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1.20	U	1.20	5.90	ug/L
120-83-2	2,4-Dichlorophenol	1.00	U	1.00	5.90	ug/L
91-20-3	Naphthalene	1.20	U	1.20	5.90	ug/L
106-47-8	4-Chloroaniline	1.50	UQ	1.50	5.90	ug/L
87-68-3	Hexachlorobutadiene	1.50	U	1.50	5.90	ug/L
105-60-2	Caprolactam	1.90	U	1.90	11.8	ug/L
59-50-7	4-Chloro-3-methylphenol	0.99	U	0.99	5.90	ug/L
91-57-6	2-Methylnaphthalene	1.30	U	1.30	5.90	ug/L
77-47-4	Hexachlorocyclopentadiene	5.90	U	5.90	11.8	ug/L
88-06-2	2,4,6-Trichlorophenol	1.00	U	1.00	5.90	ug/L
95-95-4	2,4,5-Trichlorophenol	1.20	U	1.20	5.90	ug/L
92-52-4	1,1-Biphenyl	1.10	U	1.10	5.90	ug/L
91-58-7	2-Chloronaphthalene	1.10	U	1.10	5.90	ug/L
88-74-4	2-Nitroaniline	1.70	U	1.70	5.90	ug/L
131-11-3	Dimethylphthalate	1.10	U	1.10	5.90	ug/L

Raw Data: **BG064068.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-103-GW01	SDG No.:	Q1514
Lab Sample ID:	Q1514-08	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	850 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064068.D	1	03/07/25 08:24	03/07/25 21:03	PB167027

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	1.20	U	1.20	5.90	ug/L
606-20-2	2,6-Dinitrotoluene	1.50	U	1.50	5.90	ug/L
99-09-2	3-Nitroaniline	1.60	UQ	1.60	5.90	ug/L
83-32-9	Acenaphthene	0.95	U	0.95	5.90	ug/L
51-28-5	2,4-Dinitrophenol	7.60	U	7.60	11.8	ug/L
100-02-7	4-Nitrophenol	2.40	U	2.40	11.8	ug/L
132-64-9	Dibenzofuran	1.10	U	1.10	5.90	ug/L
121-14-2	2,4-Dinitrotoluene	1.80	U	1.80	5.90	ug/L
84-66-2	Diethylphthalate	1.20	U	1.20	5.90	ug/L
7005-72-3	4-Chlorophenyl-phenylether	1.20	U	1.20	5.90	ug/L
86-73-7	Fluorene	1.10	U	1.10	5.90	ug/L
100-01-6	4-Nitroaniline	2.40	U	2.40	5.90	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.60	U	3.60	11.8	ug/L
86-30-6	n-Nitrosodiphenylamine	1.00	U	1.00	5.90	ug/L
101-55-3	4-Bromophenyl-phenylether	1.10	U	1.10	5.90	ug/L
118-74-1	Hexachlorobenzene	1.30	U	1.30	5.90	ug/L
1912-24-9	Atrazine	1.50	UQ	1.50	5.90	ug/L
87-86-5	Pentachlorophenol	2.20	U	2.20	11.8	ug/L
85-01-8	Phenanthrene	1.00	U	1.00	5.90	ug/L
120-12-7	Anthracene	1.30	U	1.30	5.90	ug/L
86-74-8	Carbazole	1.40	U	1.40	5.90	ug/L
84-74-2	Di-n-butylphthalate	1.70	U	1.70	5.90	ug/L
206-44-0	Fluoranthene	1.50	U	1.50	5.90	ug/L
129-00-0	Pyrene	1.20	U	1.20	5.90	ug/L
85-68-7	Butylbenzylphthalate	2.50	U	2.50	5.90	ug/L
91-94-1	3,3-Dichlorobenzidine	1.50	UQ	1.50	11.8	ug/L
56-55-3	Benzo(a)anthracene	1.10	U	1.10	5.90	ug/L
218-01-9	Chrysene	1.00	U	1.00	5.90	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	2.20	U	2.20	5.90	ug/L
117-84-0	Di-n-octyl phthalate	2.90	U	2.90	11.8	ug/L
205-99-2	Benzo(b)fluoranthene	1.30	U	1.30	5.90	ug/L

Raw Data: **BG064068.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-103-GW01	SDG No.:	Q1514
Lab Sample ID:	Q1514-08	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	850 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064068.D	1	03/07/25 08:24	03/07/25 21:03	PB167027

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	1.40	U	1.40	5.90	ug/L
50-32-8	Benzo(a)pyrene	2.00	U	2.00	5.90	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.20	U	1.20	5.90	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.40	U	1.40	5.90	ug/L
191-24-2	Benzo(g,h,i)perylene	1.40	U	1.40	5.90	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.30	U	1.30	5.90	ug/L
123-91-1	1,4-Dioxane	1.50	U	1.50	5.90	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.93	U	0.93	5.90	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	34.1		15 (10) - 110 (139)	23%	SPK: 150
13127-88-3	Phenol-d6	23.9		15 (10) - 110 (134)	16%	SPK: 150
4165-60-0	Nitrobenzene-d5	90.0		30 (49) - 130 (133)	90%	SPK: 100
321-60-8	2-Fluorobiphenyl	80.3		30 (52) - 130 (132)	80%	SPK: 100
118-79-6	2,4,6-Tribromophenol	84.2		15 (44) - 110 (137)	56%	SPK: 150
1718-51-0	Terphenyl-d14	81.2		30 (48) - 130 (125)	81%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	34700	7.864			
1146-65-2	Naphthalene-d8	161000	10.649			
15067-26-2	Acenaphthene-d10	115000	14.486			
1517-22-2	Phenanthrene-d10	255000	17.23			
1719-03-5	Chrysene-d12	250000	21.46			
1520-96-3	Perylene-d12	270000	24.474			
TENTATIVE IDENTIFIED COMPOUNDS						
000624-92-0	Disulfide, dimethyl	4.20	J		3.81	ug/L
003658-80-8	Dimethyl trisulfide	3.00	J		7.20	ug/L
000119-61-9	Benzophenone	4.20	J		15.8	ug/L
000057-10-3	n-Hexadecanoic acid	3.60	J		18.1	ug/L
000506-51-4	n-Tetracosanol-1	3.60	J		21.1	ug/L

Raw Data: **BG064068.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-103-GW01	SDG No.:	Q1514
Lab Sample ID:	Q1514-08	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	850 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064068.D	1	03/07/25 08:24	03/07/25 21:03	PB167027

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Sample Results: **BG064068.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064068.D
Acq On : 7 Mar 2025 21:03
Operator : RC/JU
Sample : Q1514-08
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-103-GW01

Quant Time: Mar 07 22:58:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

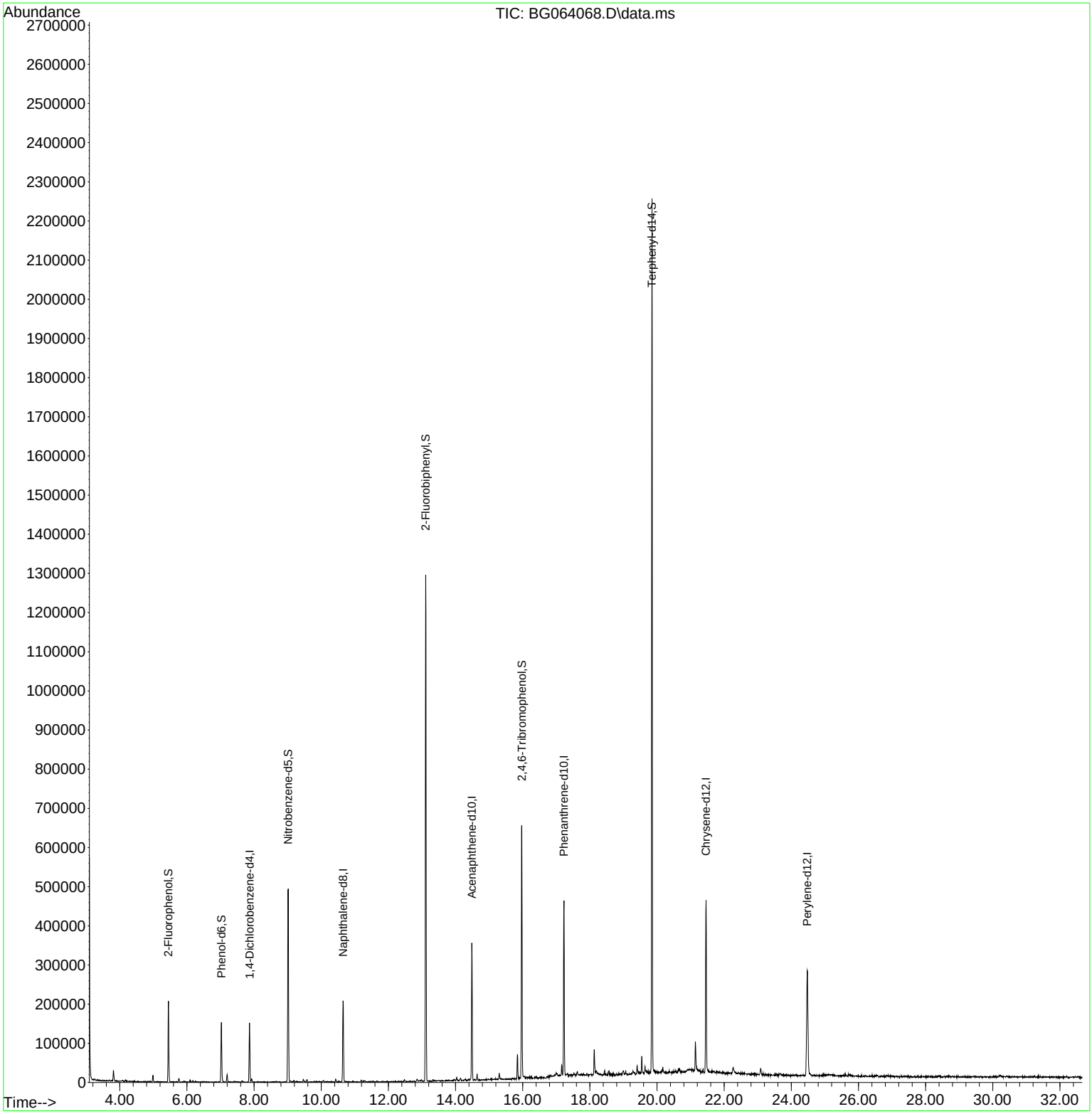
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.864	152	34746	20.000	ng	0.00
21) Naphthalene-d8	10.649	136	161327	20.000	ng	0.00
39) Acenaphthene-d10	14.486	164	115460	20.000	ng	0.00
64) Phenanthrene-d10	17.230	188	254589	20.000	ng	0.00
76) Chrysene-d12	21.460	240	250403	20.000	ng	0.00
86) Perylene-d12	24.474	264	270468	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.450	112	75993	34.150	ng	0.00
7) Phenol-d6	7.024	99	72325	23.892	ng	0.00
23) Nitrobenzene-d5	9.016	82	262742	90.001	ng	0.00
42) 2,4,6-Tribromophenol	15.973	330	108106	84.233	ng	0.00
45) 2-Fluorobiphenyl	13.111	172	610439	80.251	ng	0.00
79) Terphenyl-d14	19.850	244	1005608	81.203	ng	0.00
Target Compounds						Qvalue

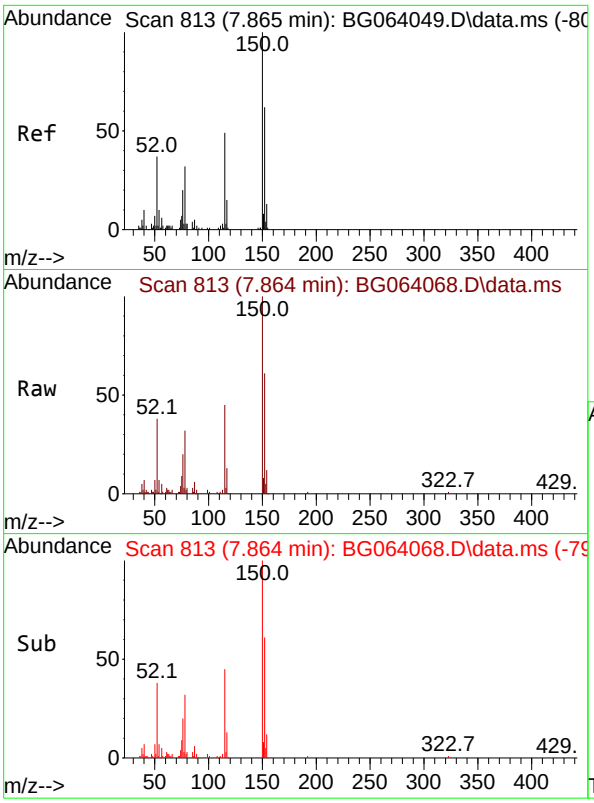
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064068.D
Acq On : 7 Mar 2025 21:03
Operator : RC/JU
Sample : Q1514-08
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-103-GW01

Quant Time: Mar 07 22:58:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration



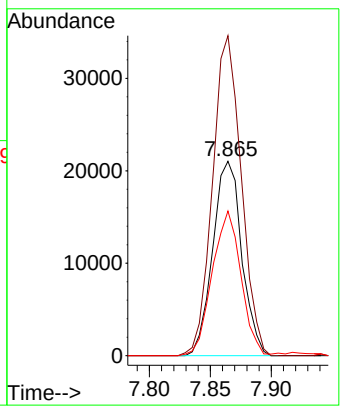


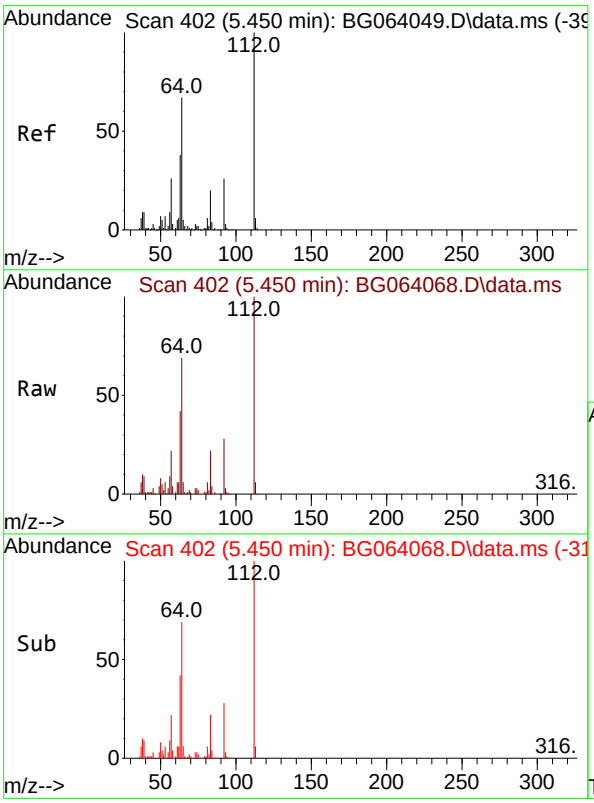
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.864 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG064068.D
Acq: 7 Mar 2025 21:03

Instrument :
BNA_G
ClientSampleId :
ENV-103-GW01

Tgt Ion:152 Resp: 34746

Ion	Ratio	Lower	Upper
152	100		
150	164.6	129.2	193.8
115	74.4	63.0	94.6

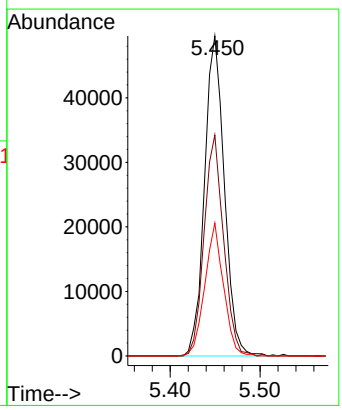


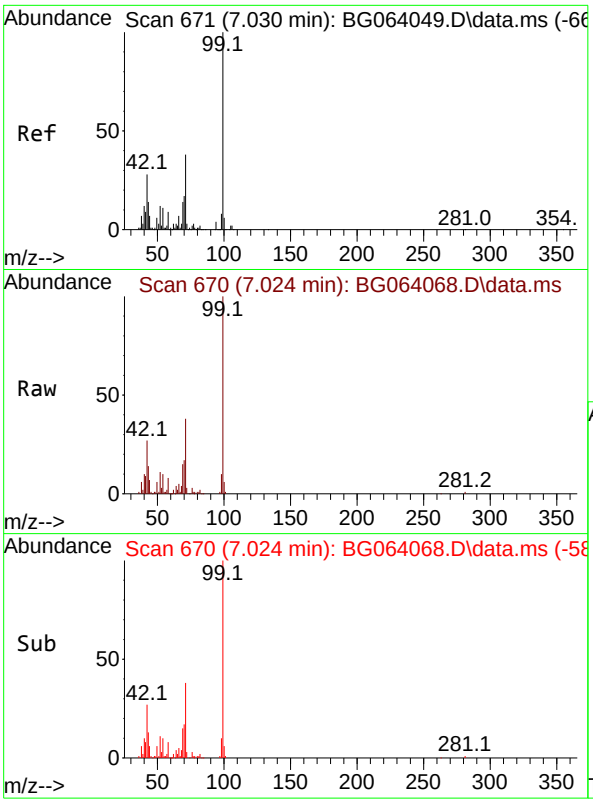


#5
2-Fluorophenol
Concen: 34.150 ng
RT: 5.450 min Scan# 402
Delta R.T. -0.000 min
Lab File: BG064068.D
Acq: 7 Mar 2025 21:03

Tgt Ion:112 Resp: 75993

Ion	Ratio	Lower	Upper
112	100		
64	69.1	53.7	80.5
63	41.6	30.2	45.4



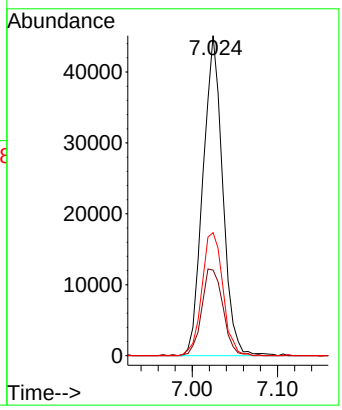


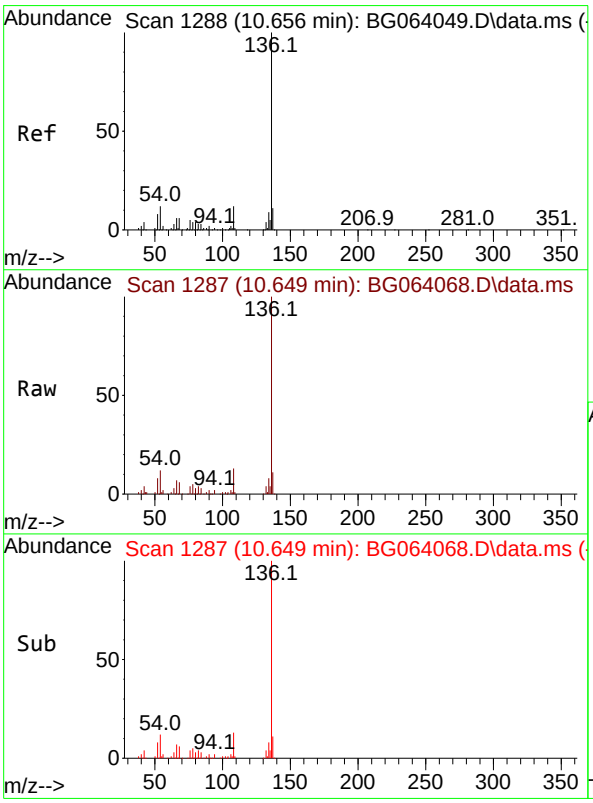
#7
Phenol-d6
Concen: 23.892 ng
RT: 7.024 min Scan# 6
Delta R.T. -0.006 min
Lab File: BG064068.D
Acq: 7 Mar 2025 21:03

Instrument :
BNA_G
ClientSampleId :
ENV-103-GW01

Tgt Ion: 99 Resp: 72325

Ion	Ratio	Lower	Upper
99	100		
42	26.8	22.7	34.1
71	38.4	30.6	46.0

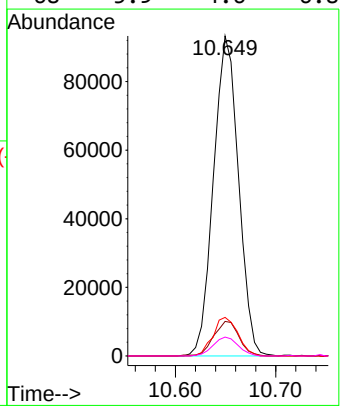


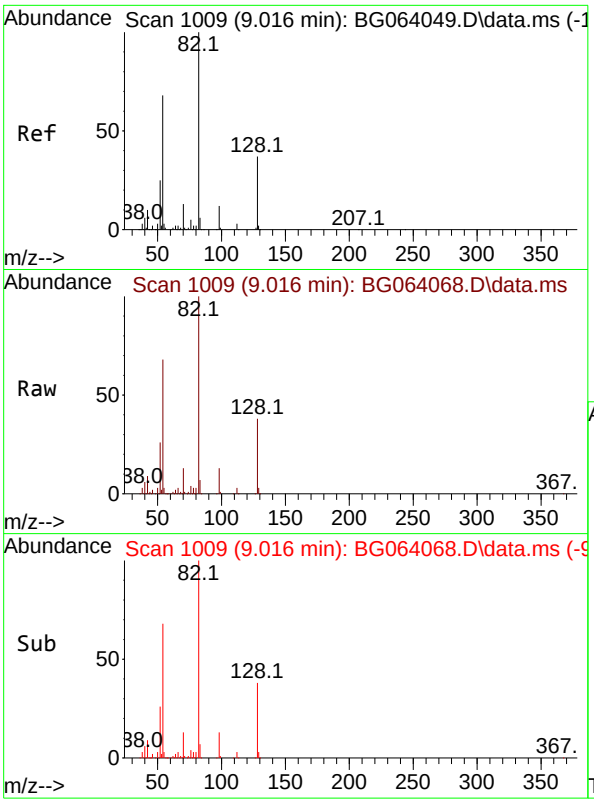


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.649 min Scan# 1287
Delta R.T. -0.007 min
Lab File: BG064068.D
Acq: 7 Mar 2025 21:03

Tgt Ion:136 Resp: 161327

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	12.1	9.9	14.9
68	5.9	4.6	6.8



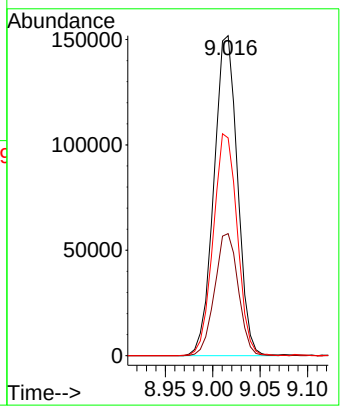


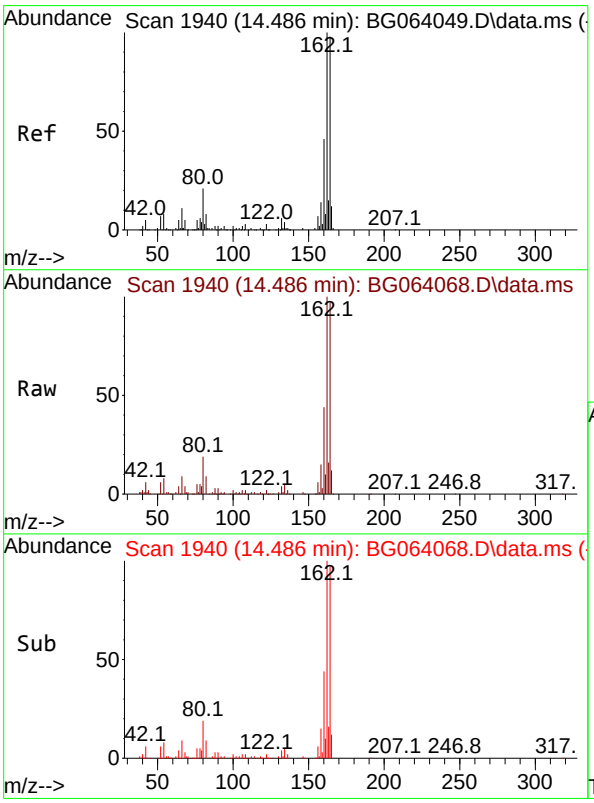
#23
Nitrobenzene-d5
Concen: 90.001 ng
RT: 9.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064068.D
Acq: 7 Mar 2025 21:03

Instrument :
BNA_G
ClientSampleId :
ENV-103-GW01

Tgt Ion: 82 Resp: 262742

Ion	Ratio	Lower	Upper
82	100		
128	38.1	30.0	45.0
54	68.0	54.7	82.1

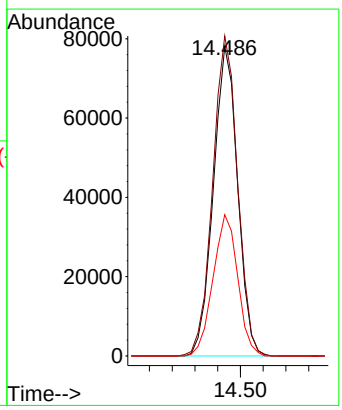


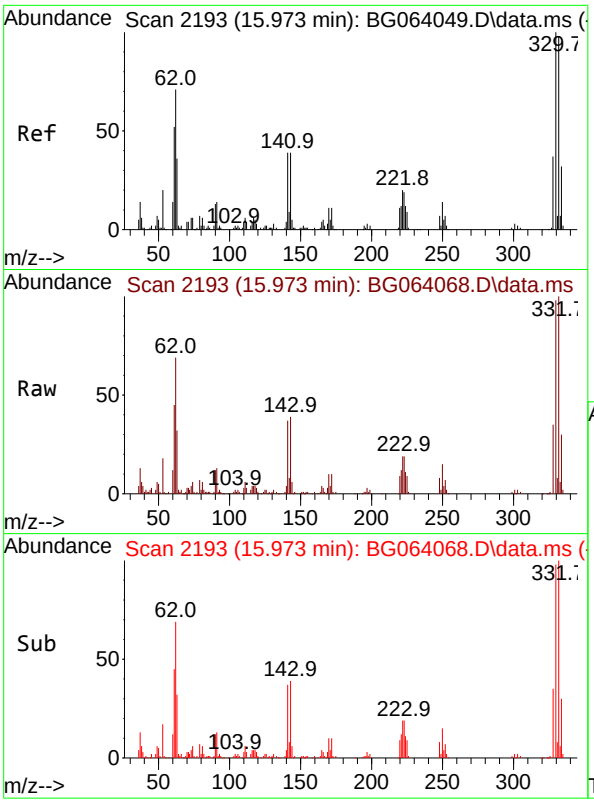


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.486 min Scan# 1940
Delta R.T. 0.000 min
Lab File: BG064068.D
Acq: 7 Mar 2025 21:03

Tgt Ion:164 Resp: 115460

Ion	Ratio	Lower	Upper
164	100		
162	103.4	81.4	122.0
160	45.6	37.0	55.6



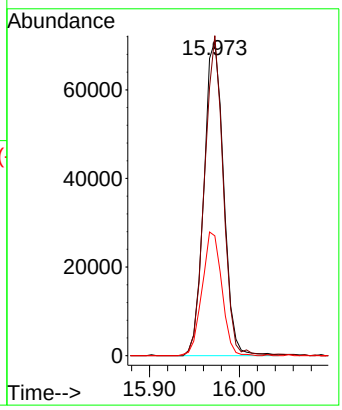


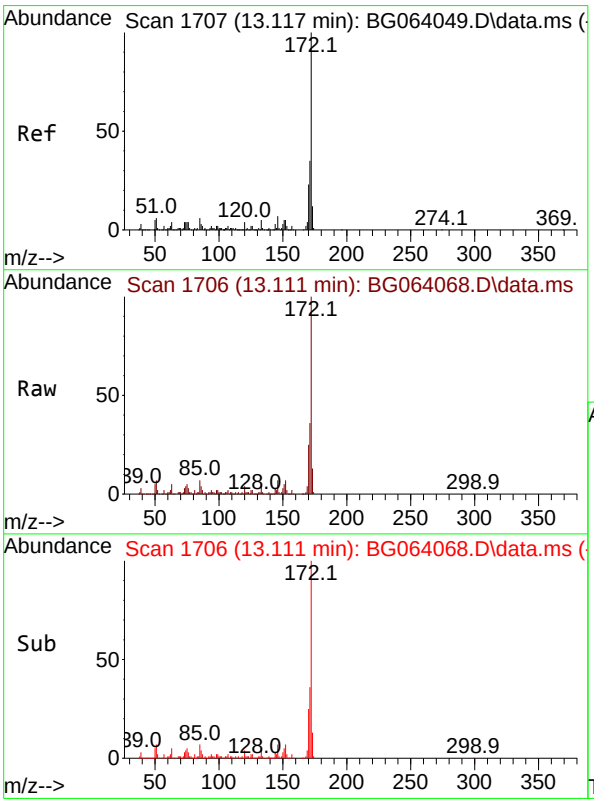
#42
2,4,6-Tribromophenol
Concen: 84.233 ng
RT: 15.973 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG064068.D
Acq: 7 Mar 2025 21:03

Instrument :
BNA_G
ClientSampleId :
ENV-103-GW01

Tgt Ion:330 Resp: 108106

Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.7	115.1
141	39.3	29.7	44.5

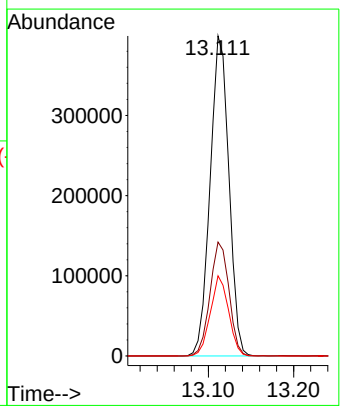


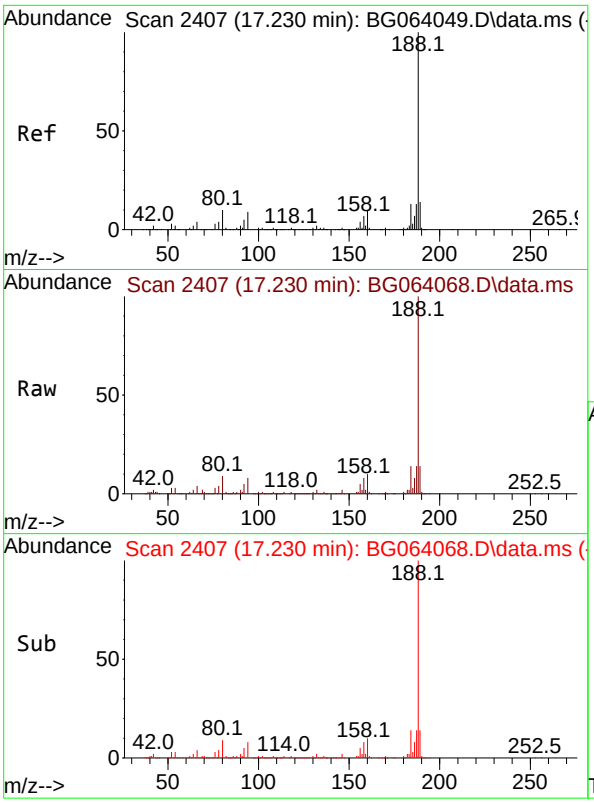


#45
2-Fluorobiphenyl
Concen: 80.251 ng
RT: 13.111 min Scan# 1706
Delta R.T. -0.006 min
Lab File: BG064068.D
Acq: 7 Mar 2025 21:03

Tgt Ion:172 Resp: 610439

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.0	42.0
170	25.1	18.7	28.1



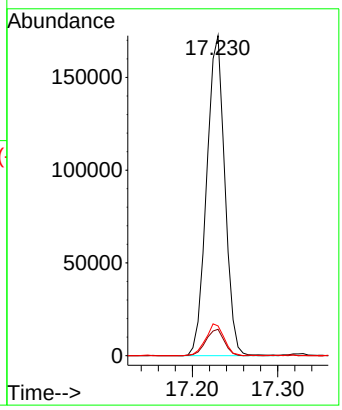


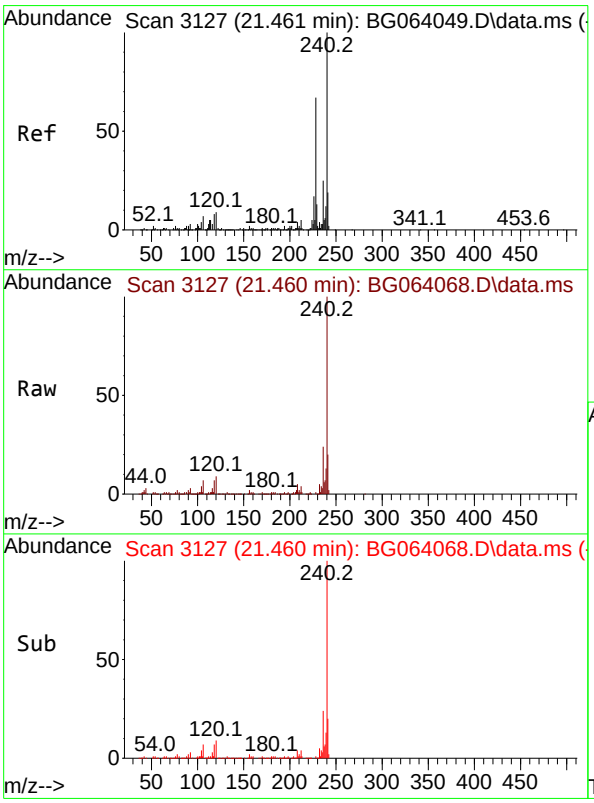
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.230 min Scan# 24
Delta R.T. 0.000 min
Lab File: BG064068.D
Acq: 7 Mar 2025 21:03

Instrument :
BNA_G
ClientSampleId :
ENV-103-GW01

Tgt Ion:188 Resp: 254589

Ion	Ratio	Lower	Upper
188	100		
94	8.2	6.9	10.3
80	9.3	8.1	12.1

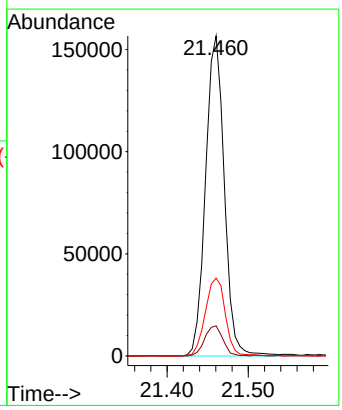


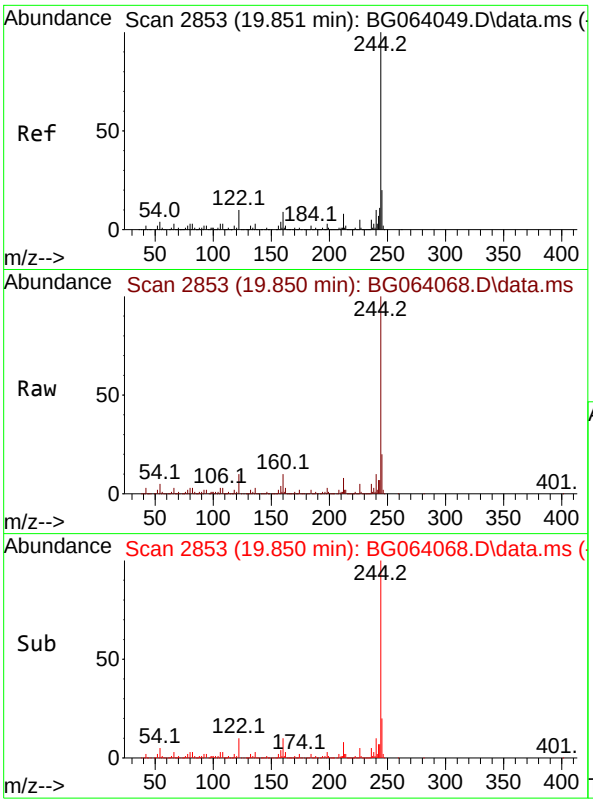


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.460 min Scan# 3127
Delta R.T. -0.000 min
Lab File: BG064068.D
Acq: 7 Mar 2025 21:03

Tgt Ion:240 Resp: 250403

Ion	Ratio	Lower	Upper
240	100		
120	9.4	7.2	10.8
236	24.4	20.2	30.2



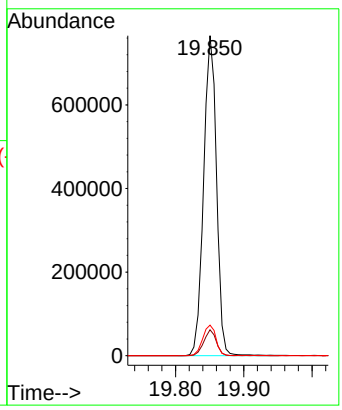


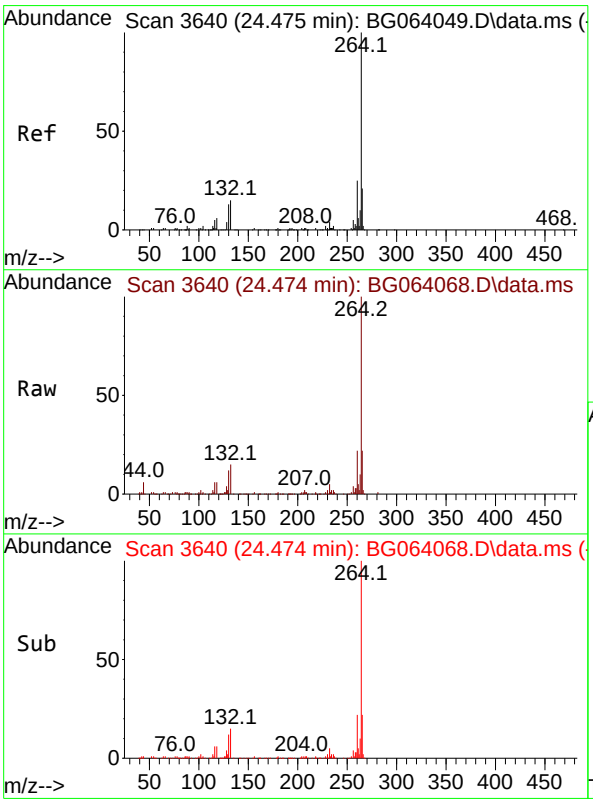
#79
Terphenyl-d14
Concen: 81.203 ng
RT: 19.850 min Scan# 2
Delta R.T. -0.000 min
Lab File: BG064068.D
Acq: 7 Mar 2025 21:03

Instrument :
BNA_G
ClientSampleId :
ENV-103-GW01

Tgt Ion:244 Resp: 1005608

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.2	9.4
122	9.5	8.0	12.0

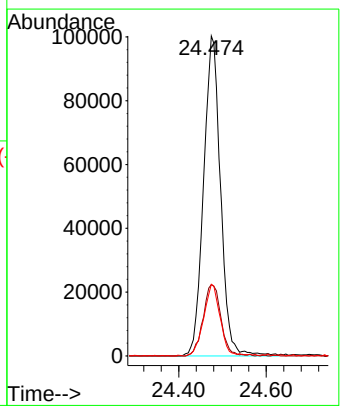




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.474 min Scan# 3640
Delta R.T. -0.000 min
Lab File: BG064068.D
Acq: 7 Mar 2025 21:03

Tgt Ion:264 Resp: 270468

Ion	Ratio	Lower	Upper
264	100		
260	22.3	19.6	29.4
265	22.4	16.6	25.0



Sample Results: **BG064068.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064068.D
Acq On : 7 Mar 2025 21:03
Operator : RC/JU
Sample : Q1514-08
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-103-GW01

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG064068.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.810	119	123	132	rVB	27951	44354	1.53%	0.398%
2	5.450	395	402	412	rBV	206628	314243	10.83%	2.819%
3	7.024	663	670	678	rBV	152635	259398	8.94%	2.327%
4	7.195	694	699	705	rBV3	18769	31892	1.10%	0.286%
5	7.865	806	813	820	rBV	150943	248759	8.57%	2.232%
6	9.016	1001	1009	1017	rVB	492995	867285	29.89%	7.781%
7	10.649	1280	1287	1295	rBV	207101	365108	12.58%	3.276%
8	13.111	1699	1706	1713	rBV	1292646	1962379	67.64%	17.605%
9	14.486	1932	1940	1947	rVB	351159	543947	18.75%	4.880%
10	15.843	2165	2171	2178	rBV	64314	96520	3.33%	0.866%
11	15.973	2187	2193	2201	rBV	646203	992183	34.20%	8.901%
12	17.160	2391	2395	2400	rVB	25890	32714	1.13%	0.293%
13	17.230	2400	2407	2413	rBV	445718	666852	22.99%	5.983%
14	18.129	2556	2560	2568	rBV2	63074	101541	3.50%	0.911%
15	19.410	2775	2778	2782	rBV3	20868	29450	1.02%	0.264%
16	19.545	2797	2801	2808	rBV2	43340	56900	1.96%	0.510%
17	19.645	2813	2818	2824	rBV7	19167	36524	1.26%	0.328%
18	19.850	2847	2853	2862	rBV	2230071	2901168	100.00%	26.028%
19	21.143	3069	3073	3079	rBV2	72938	109517	3.77%	0.983%
20	21.460	3120	3127	3138	rBV2	440309	724993	24.99%	6.504%
21	23.088	3400	3404	3410	rVB5	16651	30857	1.06%	0.277%
22	24.474	3630	3640	3651	rBV2	268037	729948	25.16%	6.549%

Sum of corrected areas: 11146532

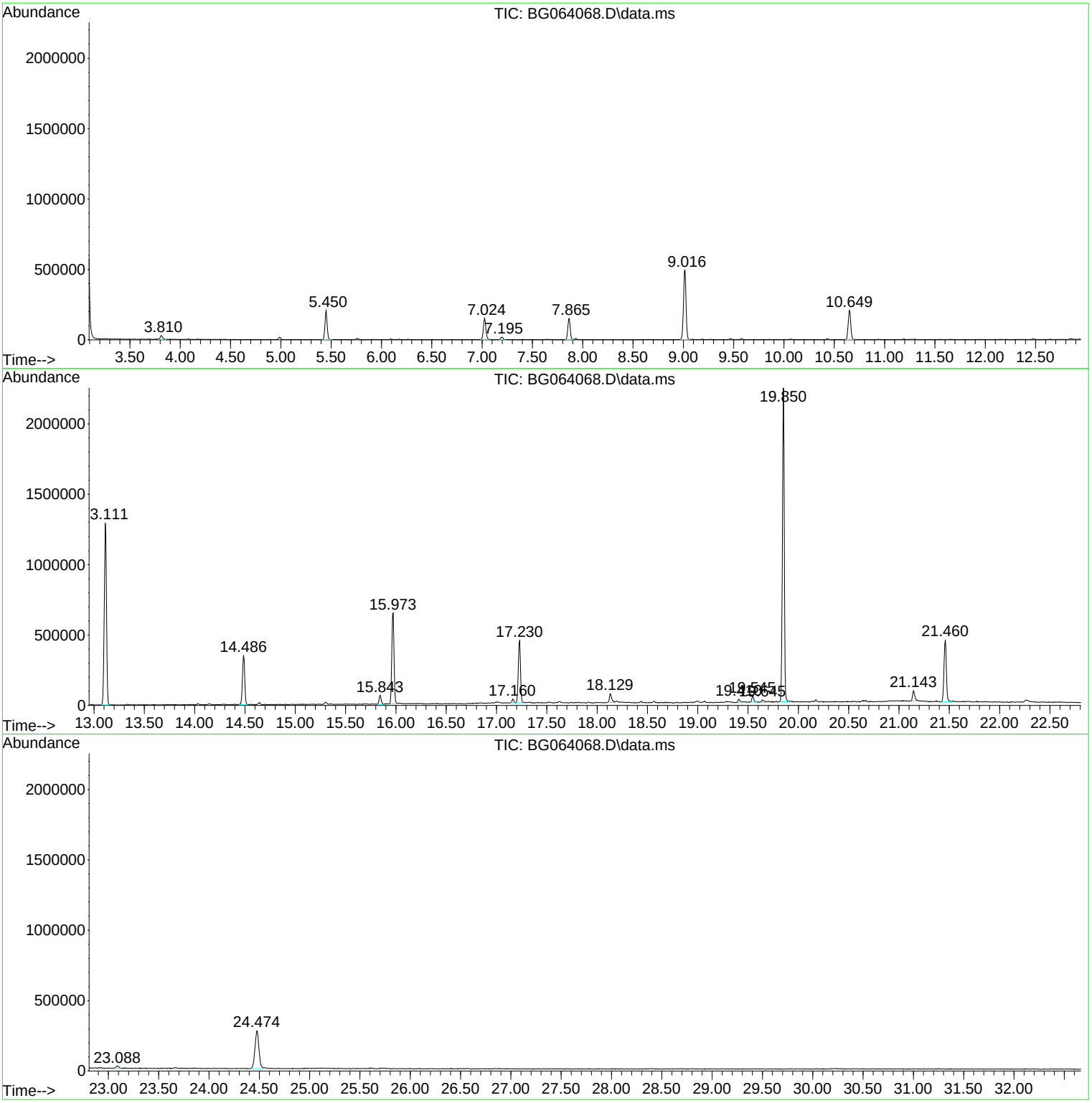
Sample Results: **BG064068.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064068.D
Acq On : 7 Mar 2025 21:03
Operator : RC/JU
Sample : Q1514-08
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-103-GW01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064068.D
Acq On : 7 Mar 2025 21:03
Operator : RC/JU
Sample : Q1514-08
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-103-GW01

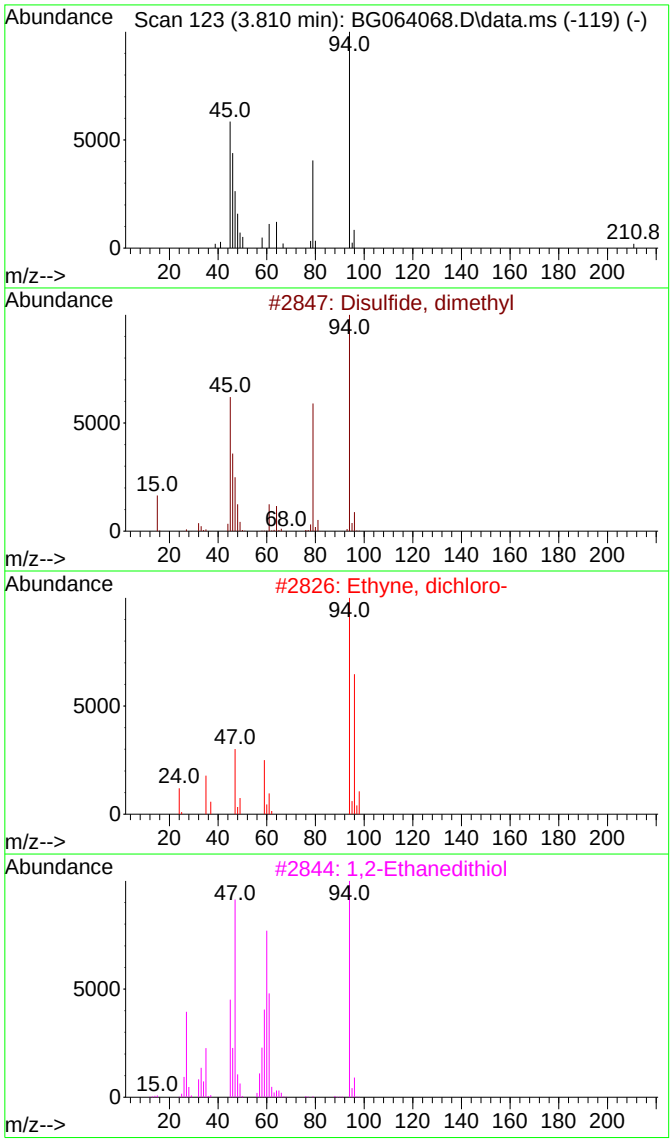
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

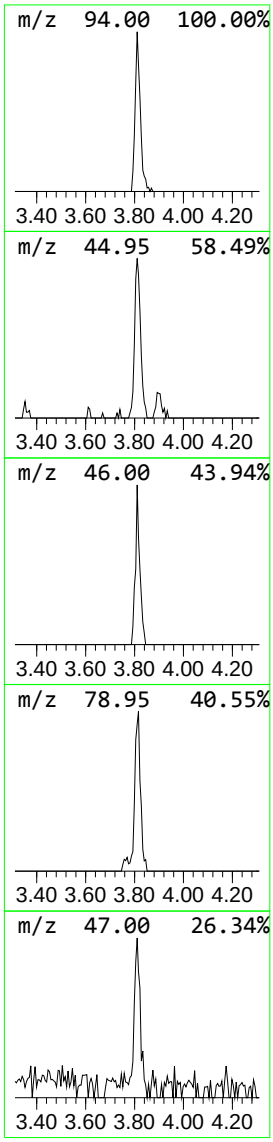
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Disulfide, dimethyl Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.810	3.57 ng	44354	1,4-Dichlorobenzene-d4	7.864

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Disulfide, dimethyl	94	C2H6S2	000624-92-0	87
2	Ethyne, dichloro-	94	C2Cl2	007572-29-4	35
3	1,2-Ethanedithiol	94	C2H6S2	000540-63-6	28
4	1,3,5,7-Tetrathiocane	184	C4H8S4	002373-00-4	12
5	Methyl 2-hydroxyethyl sulfoxide	108	C3H8O2S	021281-74-3	10





Sample Results: **BG064068.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064068.D
Acq On : 7 Mar 2025 21:03
Operator : RC/JU
Sample : Q1514-08
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-103-GW01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

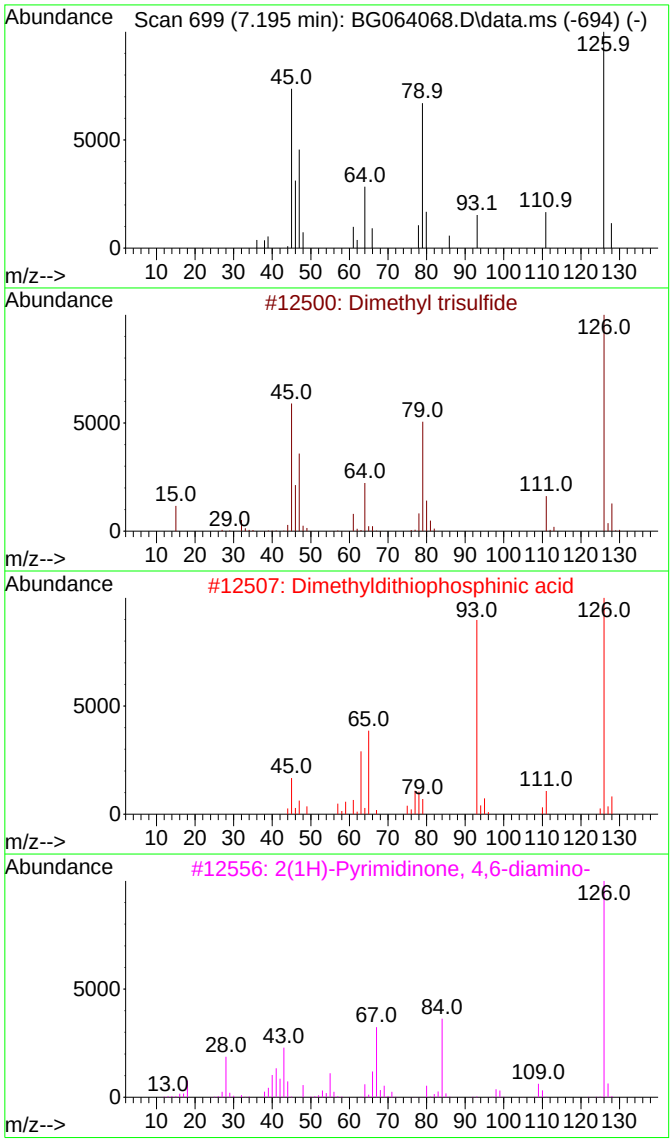
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

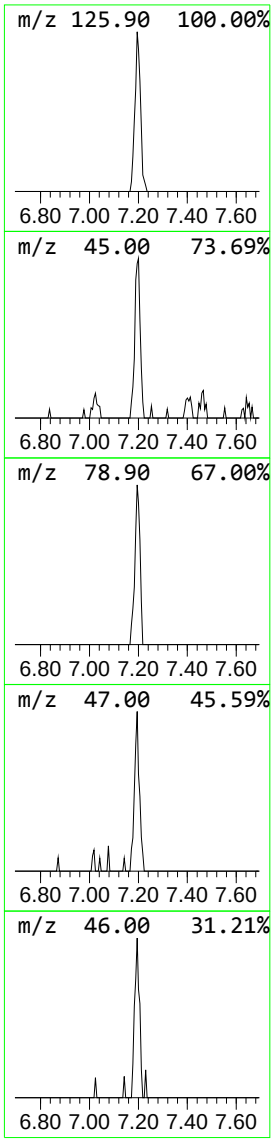
****

Peak Number 2 Dimethyl trisulfide Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.195	2.56 ng	31892	1,4-Dichlorobenzene-d4	7.864

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl trisulfide	126	C2H6S3	003658-80-8	94
2	Dimethyldithiophosphinic acid	126	C2H7PS2	016367-68-3	9
3	2(1H)-Pyrimidinone, 4,6-diamino-	126	C4H6N4O	031458-45-4	9
4	Butane, 4-chloro-1,1,1-trifluoro-	146	C4H6ClF3	000406-85-9	9
5	3-Nonyne, 9-methoxy-	154	C10H18O	054699-39-7	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064068.D
Acq On : 7 Mar 2025 21:03
Operator : RC/JU
Sample : Q1514-08
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-103-GW01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

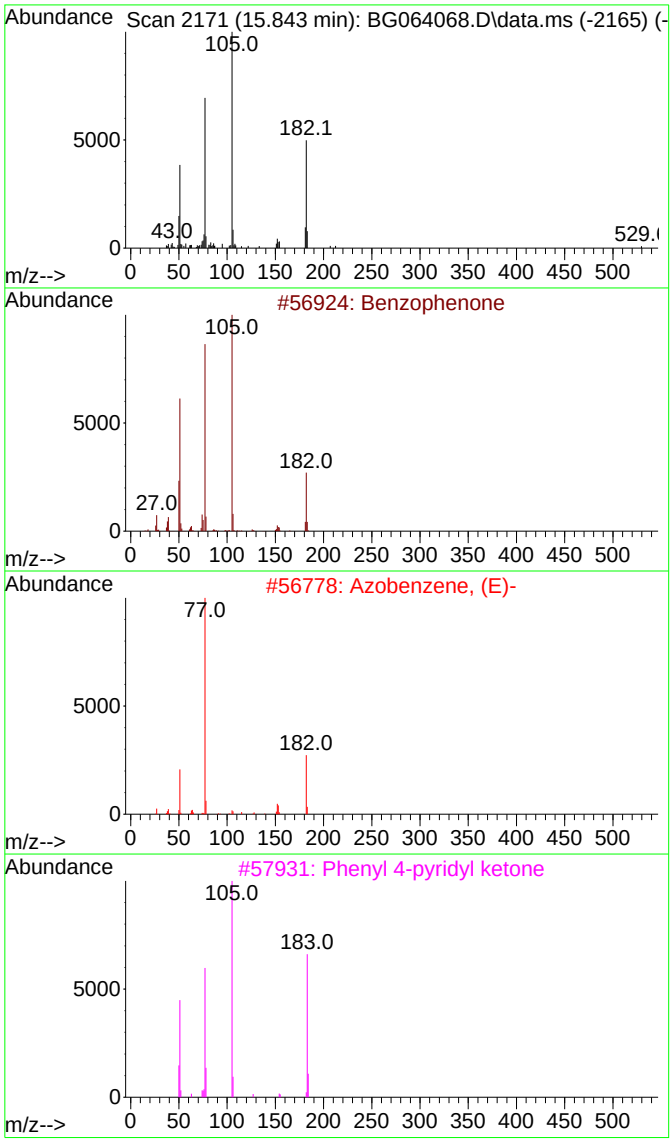
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

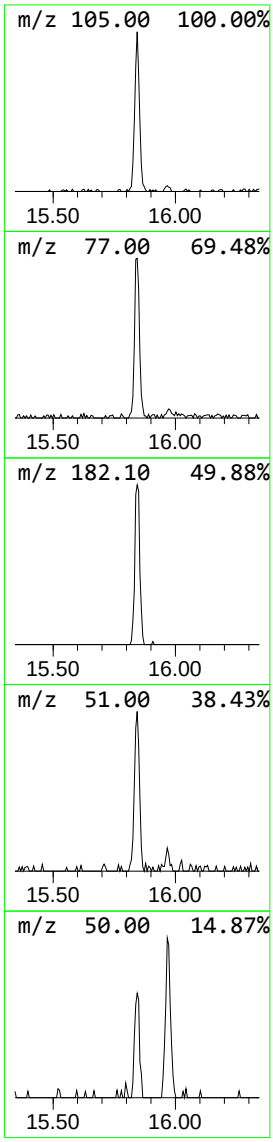
****

Peak Number 3 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.843	3.55 ng	96520	Acenaphthene-d10	14.486

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	95
2	Azobenzene, (E)-	182	C12H10N2	017082-12-1	50
3	Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	50
4	Benzamide, N-(2-chloroacetyl)-	197	C9H8ClNO2	1000303-20-8	47
5	Benzoic acid, 2-propenyl ester	162	C10H10O2	000583-04-0	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064068.D
Acq On : 7 Mar 2025 21:03
Operator : RC/JU
Sample : Q1514-08
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-103-GW01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

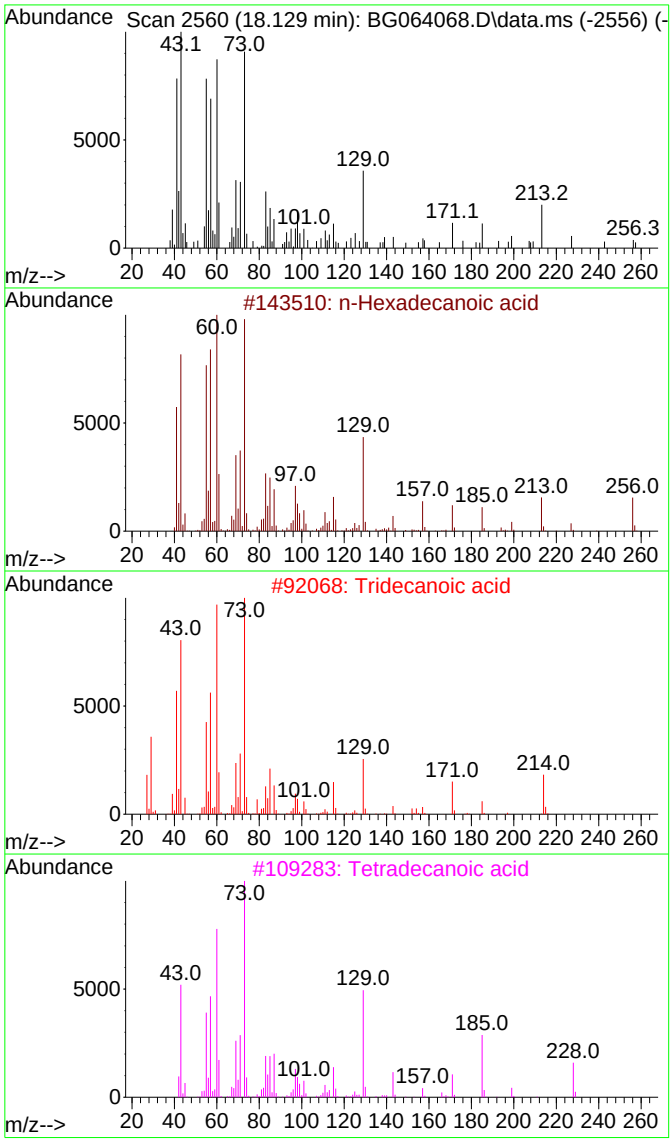
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

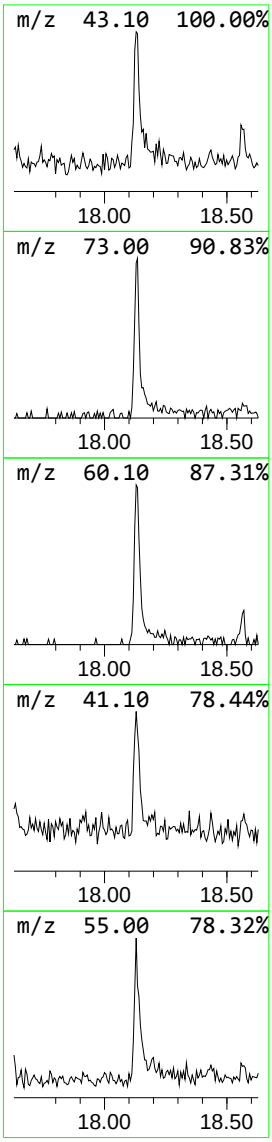
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.129	3.05 ng	101541	Phenanthrene-d10	17.230

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	87
2	Tridecanoic acid	214	C13H26O2	000638-53-9	72
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	59
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	59
5	n-Decanoic acid	172	C10H20O2	000334-48-5	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064068.D
Acq On : 7 Mar 2025 21:03
Operator : RC/JU
Sample : Q1514-08
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-103-GW01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

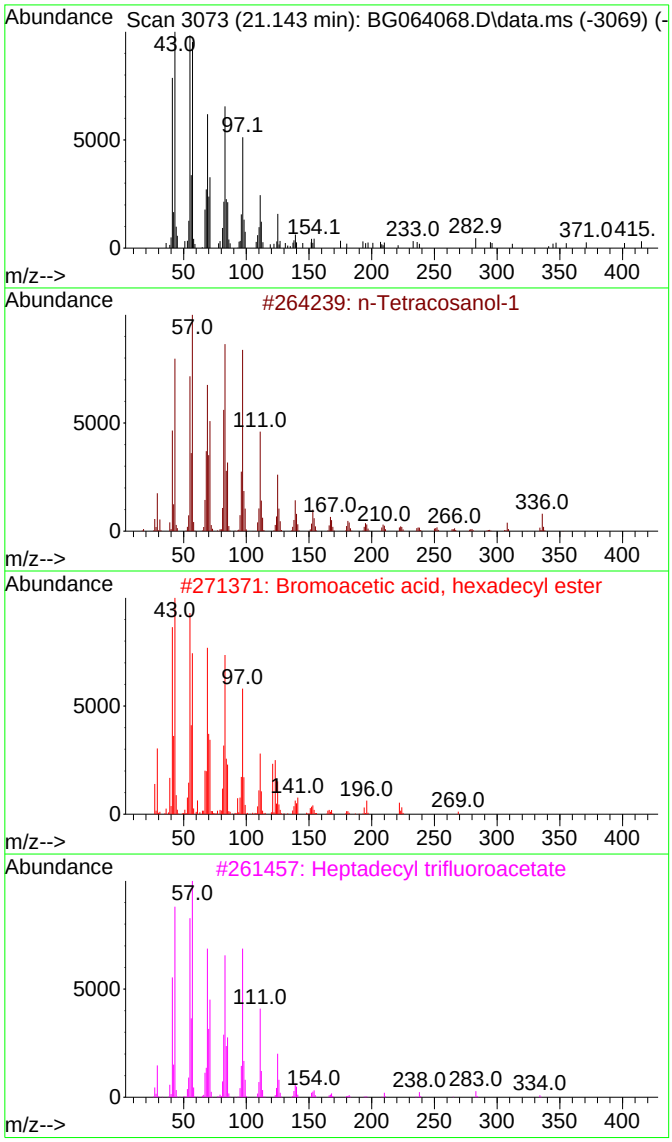
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

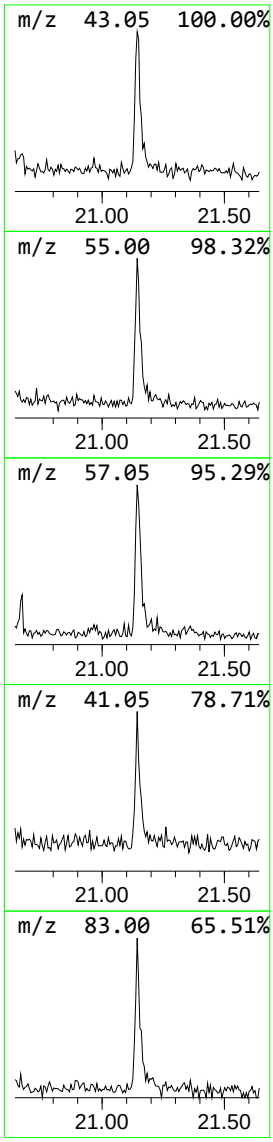
****

Peak Number 5 n-Tetracosanol-1 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.143	3.02 ng	109517	Chrysene-d12	21.460

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Tetracosanol-1	354	C24H50O	000506-51-4	91
2	Bromoacetic acid, hexadecyl ester	362	C18H35BrO2	005454-48-8	91
3	Heptadecyl trifluoroacetate	352	C19H35F3O2	1010351-87-0	91
4	1-Tricosene	322	C23H46	018835-32-0	90
5	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	959218-78-1	90





Sample Results: **BG064068.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064068.D
Acq On : 7 Mar 2025 21:03
Operator : RC/JU
Sample : Q1514-08
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-103-GW01

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Disulfide, dime...	3.810	3.6	ng	44354	1	7.864	248759	20.0
Dimethyl trisul...	7.195	2.6	ng	31892	1	7.864	248759	20.0
Benzophenone	15.843	3.5	ng	96520	3	14.486	543947	20.0
n-Hexadecanoic ...	18.129	3.0	ng	101541	4	17.230	666852	20.0
n-Tetracosanol-1	21.143	3.0	ng	109517	5	21.460	724993	20.0

Raw Data: **BG064064.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/06/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	FB03062025	SDG No.:	Q1514
Lab Sample ID:	Q1514-09	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	380 Units: mL	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064064.D	1	03/07/25 08:24	03/07/25 18:21	PB167027

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	5.30	U	5.30	13.2	ug/L
108-95-2	Phenol	1.20	U	1.20	6.60	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.60	U	1.60	6.60	ug/L
95-57-8	2-Chlorophenol	0.93	U	0.93	6.60	ug/L
95-48-7	2-Methylphenol	1.50	U	1.50	6.60	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.80	U	1.80	6.60	ug/L
98-86-2	Acetophenone	1.40	U	1.40	6.60	ug/L
65794-96-9	3+4-Methylphenols	1.50	U	1.50	13.2	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.90	U	1.90	3.30	ug/L
67-72-1	Hexachloroethane	1.30	U	1.30	6.60	ug/L
98-95-3	Nitrobenzene	1.70	U	1.70	6.60	ug/L
78-59-1	Isophorone	1.50	U	1.50	6.60	ug/L
88-75-5	2-Nitrophenol	2.60	U	2.60	6.60	ug/L
105-67-9	2,4-Dimethylphenol	2.00	U	2.00	6.60	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1.30	U	1.30	6.60	ug/L
120-83-2	2,4-Dichlorophenol	1.20	U	1.20	6.60	ug/L
91-20-3	Naphthalene	1.30	U	1.30	6.60	ug/L
106-47-8	4-Chloroaniline	1.70	UQ	1.70	6.60	ug/L
87-68-3	Hexachlorobutadiene	1.70	U	1.70	6.60	ug/L
105-60-2	Caprolactam	2.20	U	2.20	13.2	ug/L
59-50-7	4-Chloro-3-methylphenol	1.10	U	1.10	6.60	ug/L
91-57-6	2-Methylnaphthalene	1.50	U	1.50	6.60	ug/L
77-47-4	Hexachlorocyclopentadiene	6.60	U	6.60	13.2	ug/L
88-06-2	2,4,6-Trichlorophenol	1.20	U	1.20	6.60	ug/L
95-95-4	2,4,5-Trichlorophenol	1.30	U	1.30	6.60	ug/L
92-52-4	1,1-Biphenyl	1.20	U	1.20	6.60	ug/L
91-58-7	2-Chloronaphthalene	1.30	U	1.30	6.60	ug/L
88-74-4	2-Nitroaniline	1.90	U	1.90	6.60	ug/L
131-11-3	Dimethylphthalate	1.20	U	1.20	6.60	ug/L

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Fax : 908 789 8922

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/06/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	FB03062025	SDG No.:	Q1514
Lab Sample ID:	Q1514-09	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	380 Units: mL	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064064.D	1	03/07/25 08:24	03/07/25 18:21	PB167027

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	1.40	U	1.40	6.60	ug/L
606-20-2	2,6-Dinitrotoluene	1.60	U	1.60	6.60	ug/L
99-09-2	3-Nitroaniline	1.80	UQ	1.80	6.60	ug/L
83-32-9	Acenaphthene	1.10	U	1.10	6.60	ug/L
51-28-5	2,4-Dinitrophenol	8.40	U	8.40	13.2	ug/L
100-02-7	4-Nitrophenol	2.60	U	2.60	13.2	ug/L
132-64-9	Dibenzofuran	1.20	U	1.20	6.60	ug/L
121-14-2	2,4-Dinitrotoluene	2.00	U	2.00	6.60	ug/L
84-66-2	Diethylphthalate	1.40	U	1.40	6.60	ug/L
7005-72-3	4-Chlorophenyl-phenylether	1.30	U	1.30	6.60	ug/L
86-73-7	Fluorene	1.30	U	1.30	6.60	ug/L
100-01-6	4-Nitroaniline	2.70	U	2.70	6.60	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	4.00	U	4.00	13.2	ug/L
86-30-6	n-Nitrosodiphenylamine	1.20	U	1.20	6.60	ug/L
101-55-3	4-Bromophenyl-phenylether	1.30	U	1.30	6.60	ug/L
118-74-1	Hexachlorobenzene	1.50	U	1.50	6.60	ug/L
1912-24-9	Atrazine	1.70	UQ	1.70	6.60	ug/L
87-86-5	Pentachlorophenol	2.40	U	2.40	13.2	ug/L
85-01-8	Phenanthrene	1.20	U	1.20	6.60	ug/L
120-12-7	Anthracene	1.40	U	1.40	6.60	ug/L
86-74-8	Carbazole	1.50	U	1.50	6.60	ug/L
84-74-2	Di-n-butylphthalate	1.90	U	1.90	6.60	ug/L
206-44-0	Fluoranthene	1.70	U	1.70	6.60	ug/L
129-00-0	Pyrene	1.40	U	1.40	6.60	ug/L
85-68-7	Butylbenzylphthalate	2.80	U	2.80	6.60	ug/L
91-94-1	3,3-Dichlorobenzidine	1.70	UQ	1.70	13.2	ug/L
56-55-3	Benzo(a)anthracene	1.20	U	1.20	6.60	ug/L
218-01-9	Chrysene	1.10	U	1.10	6.60	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	2.50	U	2.50	6.60	ug/L
117-84-0	Di-n-octyl phthalate	3.30	U	3.30	13.2	ug/L
205-99-2	Benzo(b)fluoranthene	1.50	U	1.50	6.60	ug/L

Raw Data: **BG064064.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/06/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	FB03062025	SDG No.:	Q1514
Lab Sample ID:	Q1514-09	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	380 Units: mL	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064064.D	1	03/07/25 08:24	03/07/25 18:21	PB167027

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	1.60	U	1.60	6.60	ug/L
50-32-8	Benzo(a)pyrene	2.20	U	2.20	6.60	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.30	U	1.30	6.60	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.50	U	1.50	6.60	ug/L
191-24-2	Benzo(g,h,i)perylene	1.60	U	1.60	6.60	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.40	U	1.40	6.60	ug/L
123-91-1	1,4-Dioxane	1.60	U	1.60	6.60	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1.00	U	1.00	6.60	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	38.5		15 (10) - 110 (139)	51%	SPK: 75
13127-88-3	Phenol-d6	27.0		15 (10) - 110 (134)	36%	SPK: 75
4165-60-0	Nitrobenzene-d5	39.6		30 (49) - 130 (133)	79%	SPK: 50
321-60-8	2-Fluorobiphenyl	36.1		30 (52) - 130 (132)	72%	SPK: 50
118-79-6	2,4,6-Tribromophenol	63.0		15 (44) - 110 (137)	84%	SPK: 75
1718-51-0	Terphenyl-d14	39.8		30 (48) - 130 (125)	80%	SPK: 50
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	32900	7.864			
1146-65-2	Naphthalene-d8	142000	10.649			
15067-26-2	Acenaphthene-d10	101000	14.486			
1517-22-2	Phenanthrene-d10	241000	17.224			
1719-03-5	Chrysene-d12	268000	21.46			
1520-96-3	Perylene-d12	282000	24.474			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	8.20	A		4.99	ug/L

Raw Data: **BG064064.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/06/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	FB03062025	SDG No.:	Q1514
Lab Sample ID:	Q1514-09	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	380 Units: mL	Final Vol:	500 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064064.D	1	03/07/25 08:24	03/07/25 18:21	PB167027

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Sample Results: **BG064064.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064064.D
Acq On : 7 Mar 2025 18:21
Operator : RC/JU
Sample : Q1514-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FB03062025

Quant Time: Mar 07 22:56:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.864	152	32854	20.000	ng	0.00
21) Naphthalene-d8	10.649	136	141929	20.000	ng	# 0.00
39) Acenaphthene-d10	14.486	164	100513	20.000	ng	0.00
64) Phenanthrene-d10	17.224	188	241431	20.000	ng	0.00
76) Chrysene-d12	21.460	240	267874	20.000	ng	0.00
86) Perylene-d12	24.474	264	281608	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.450	112	161925	76.958	ng	0.00
7) Phenol-d6	7.024	99	154295	53.905	ng	0.00
23) Nitrobenzene-d5	9.016	82	203577	79.265	ng	0.00
42) 2,4,6-Tribromophenol	15.973	330	140808	126.028	ng	0.00
45) 2-Fluorobiphenyl	13.111	172	477492	72.108	ng	0.00
79) Terphenyl-d14	19.850	244	1053306	79.507	ng	0.00
Target Compounds						Qvalue

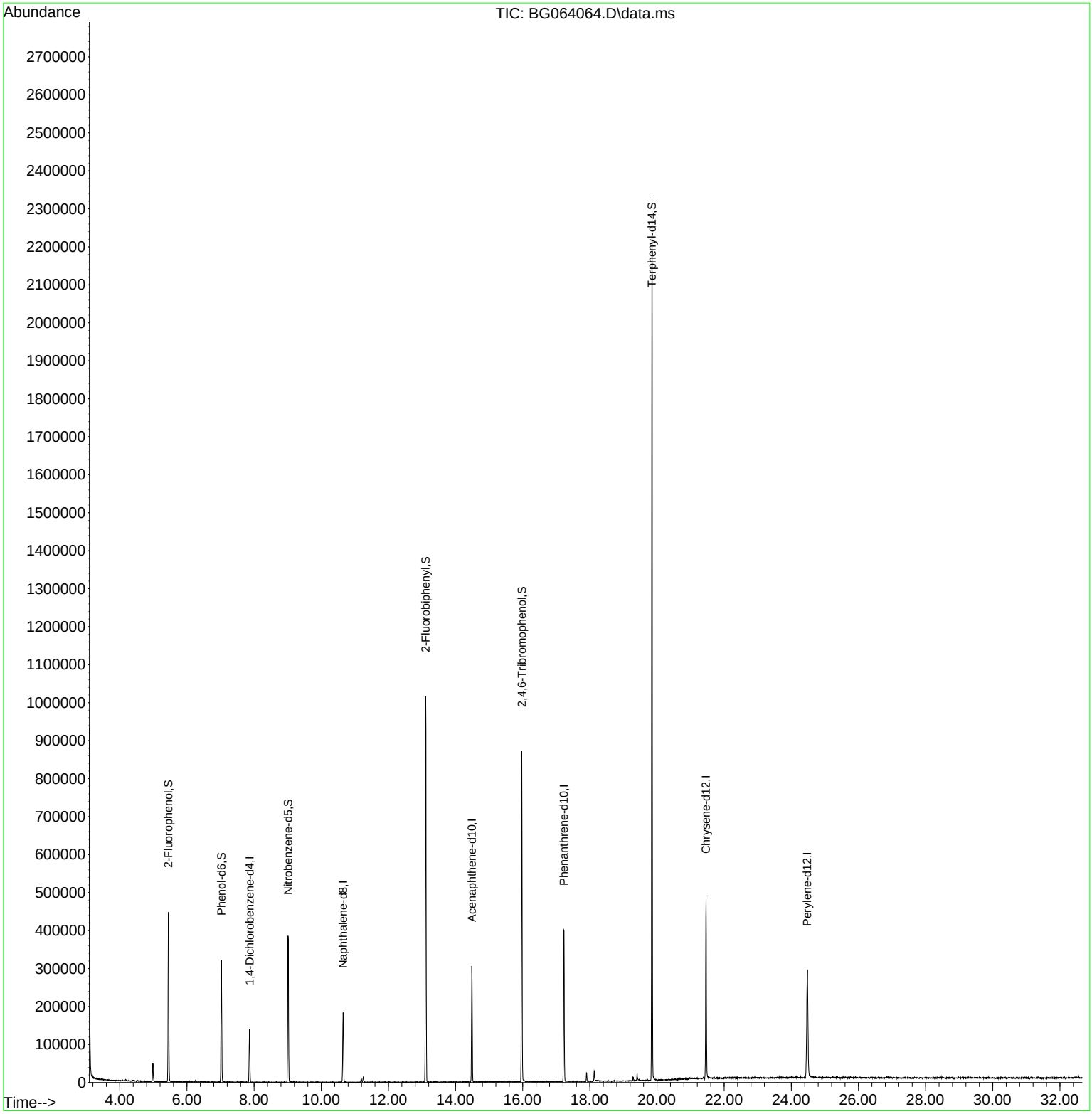
(#) = qualifier out of range (m) = manual integration (+) = signals summed

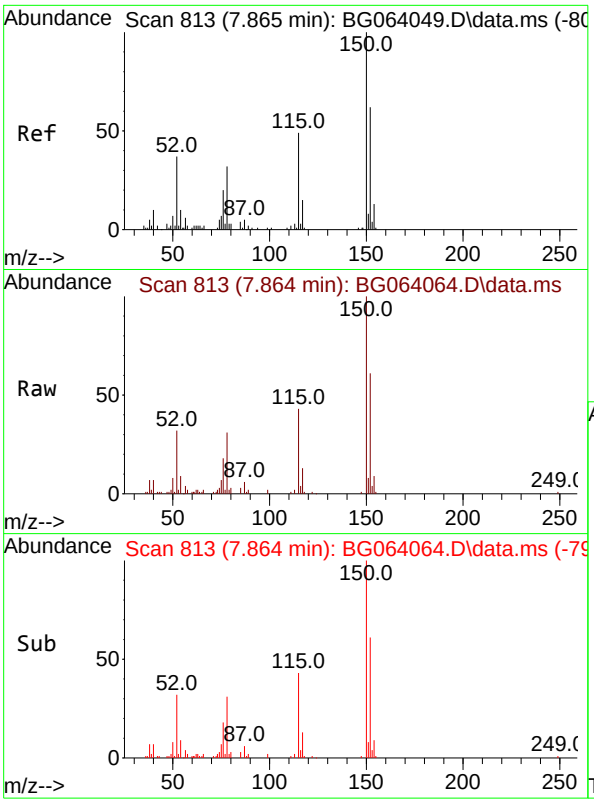
Sample Results: **BG064064.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064064.D
Acq On : 7 Mar 2025 18:21
Operator : RC/JU
Sample : Q1514-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FB03062025

Quant Time: Mar 07 22:56:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration



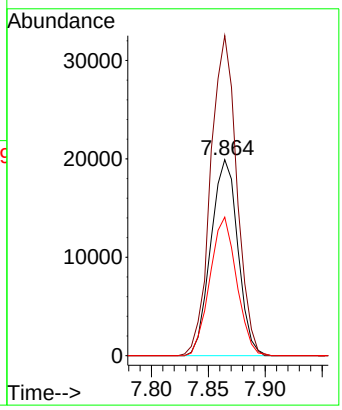


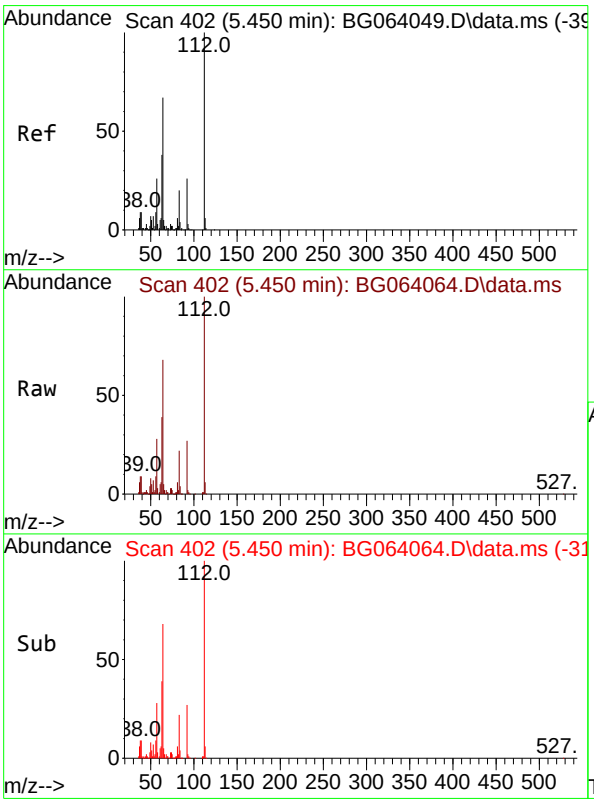
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.864 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG064064.D
Acq: 7 Mar 2025 18:21

Instrument :
BNA_G
ClientSampleId :
FB03062025

Tgt Ion:152 Resp: 32854

Ion	Ratio	Lower	Upper
152	100		
150	163.3	129.2	193.8
115	70.7	63.0	94.6

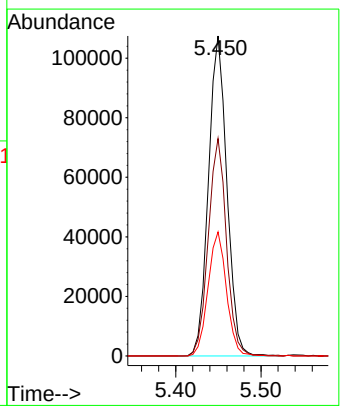


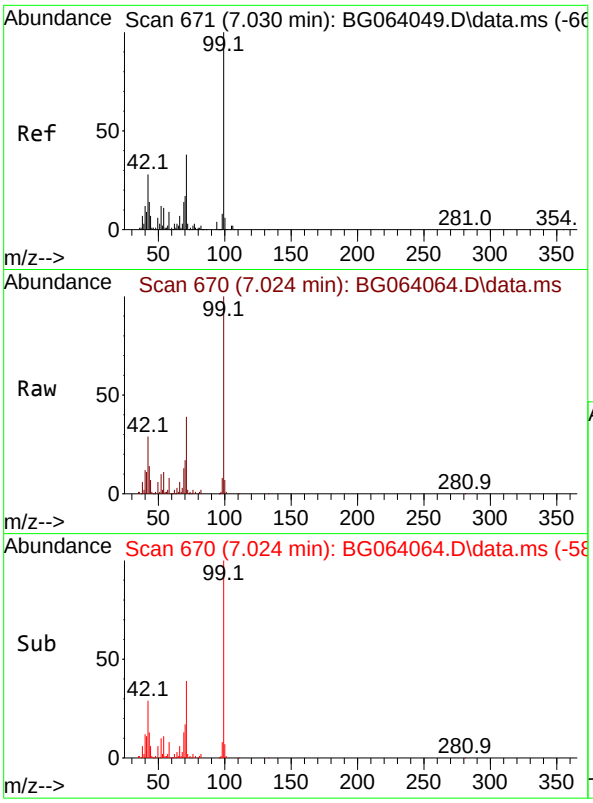


#5
2-Fluorophenol
Concen: 76.958 ng
RT: 5.450 min Scan# 402
Delta R.T. -0.000 min
Lab File: BG064064.D
Acq: 7 Mar 2025 18:21

Tgt Ion:112 Resp: 161925

Ion	Ratio	Lower	Upper
112	100		
64	67.9	53.7	80.5
63	38.8	30.2	45.4



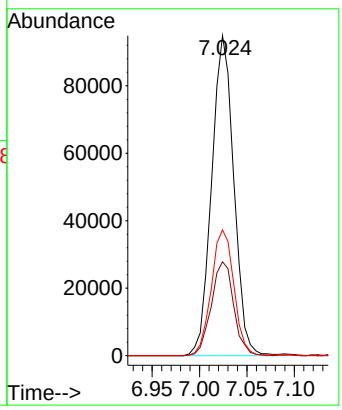


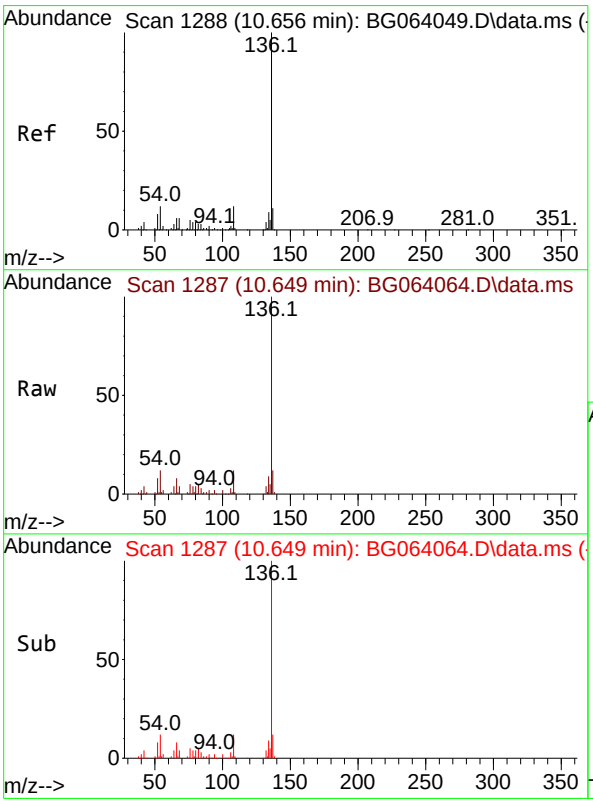
#7
Phenol-d6
Concen: 53.905 ng
RT: 7.024 min Scan# 6
Delta R.T. -0.006 min
Lab File: BG064064.D
Acq: 7 Mar 2025 18:21

Instrument :
BNA_G
ClientSampleId :
FB03062025

Tgt Ion: 99 Resp: 154295

Ion	Ratio	Lower	Upper
99	100		
42	29.4	22.7	34.1
71	39.3	30.6	46.0

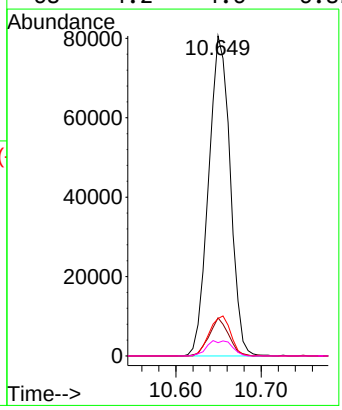


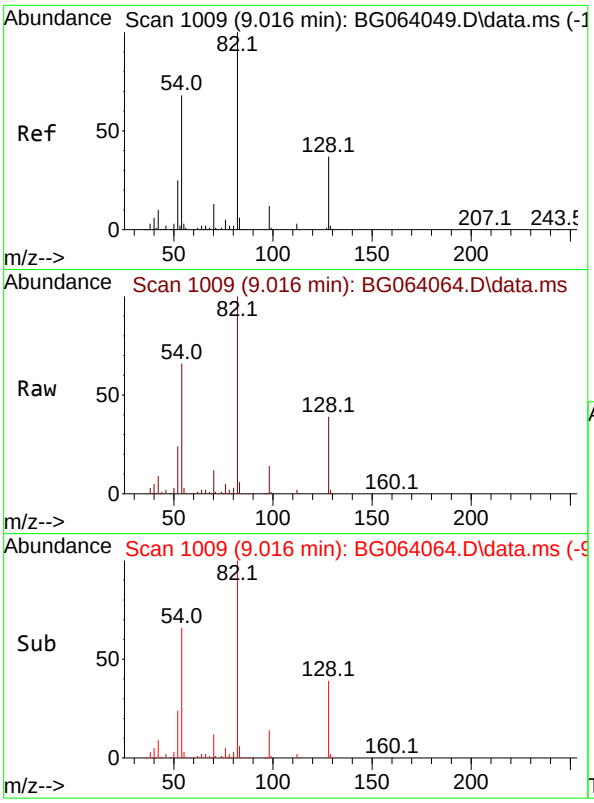


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.649 min Scan# 1287
Delta R.T. -0.007 min
Lab File: BG064064.D
Acq: 7 Mar 2025 18:21

Tgt Ion:136 Resp: 141929

Ion	Ratio	Lower	Upper
136	100		
137	11.9	8.5	12.7
54	11.7	9.9	14.9
68	4.2	4.6	6.8#



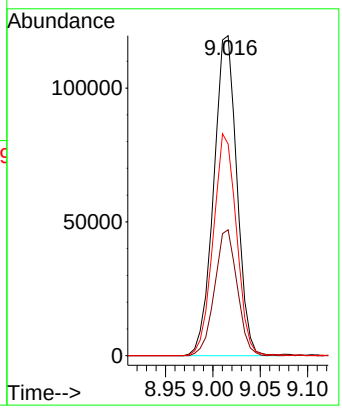


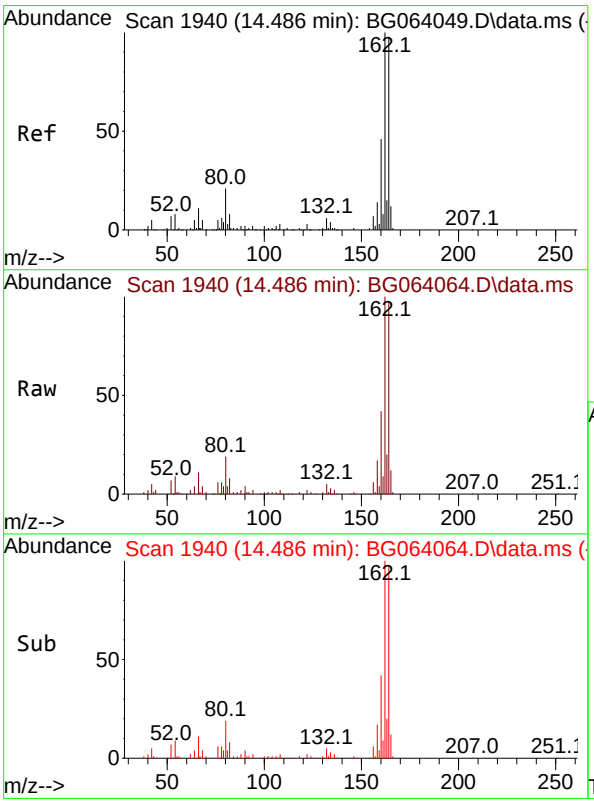
#23
Nitrobenzene-d5
Concen: 79.265 ng
RT: 9.016 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BG064064.D
Acq: 7 Mar 2025 18:21

Instrument :
BNA_G
ClientSampleId :
FB03062025

Tgt Ion: 82 Resp: 203577

Ion	Ratio	Lower	Upper
82	100		
128	39.3	30.0	45.0
54	66.2	54.7	82.1

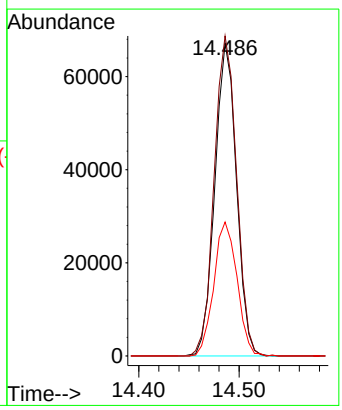


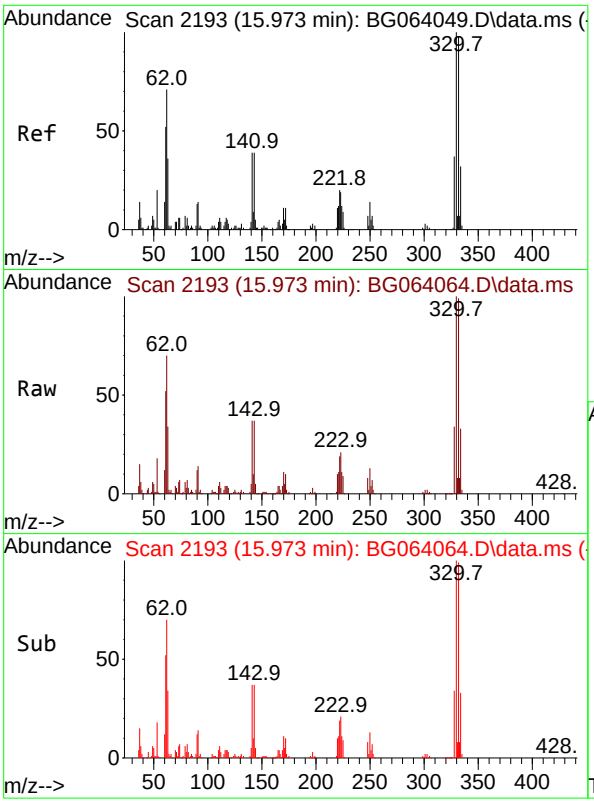


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.486 min Scan# 1940
Delta R.T. 0.000 min
Lab File: BG064064.D
Acq: 7 Mar 2025 18:21

Tgt Ion:164 Resp: 100513

Ion	Ratio	Lower	Upper
164	100		
162	102.3	81.4	122.0
160	42.8	37.0	55.6



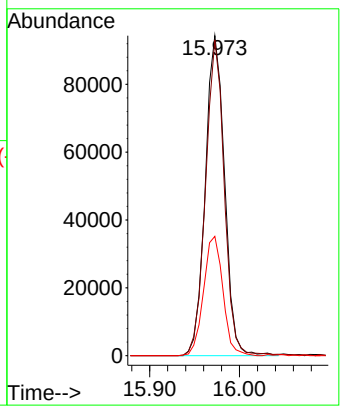


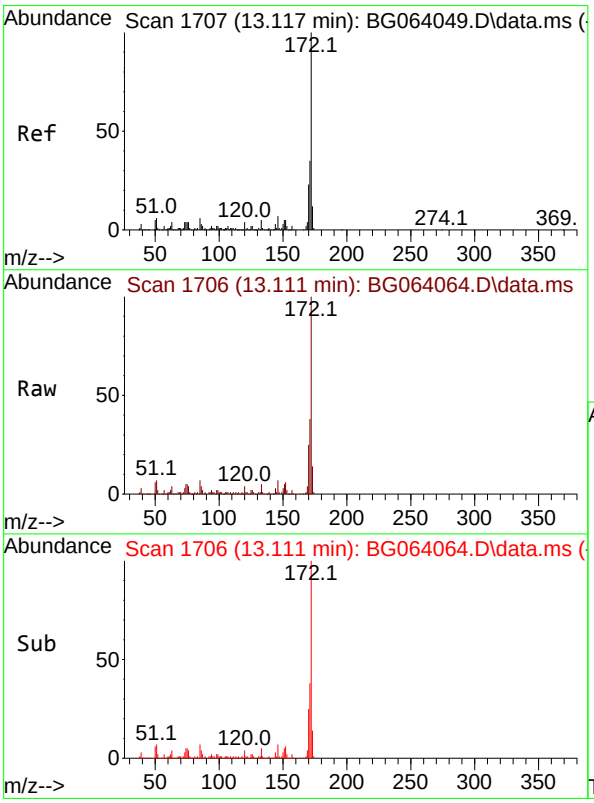
#42
2,4,6-Tribromophenol
Concen: 126.028 ng
RT: 15.973 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG064064.D
Acq: 7 Mar 2025 18:21

Instrument :
BNA_G
ClientSampleId :
FB03062025

Tgt Ion:330 Resp: 140808

Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.7	115.1
141	37.4	29.7	44.5

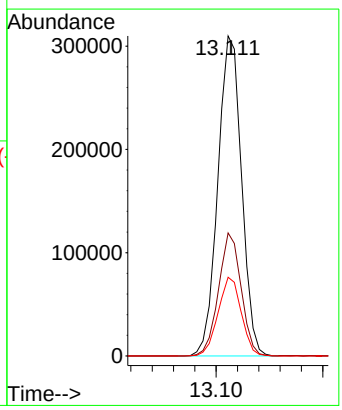


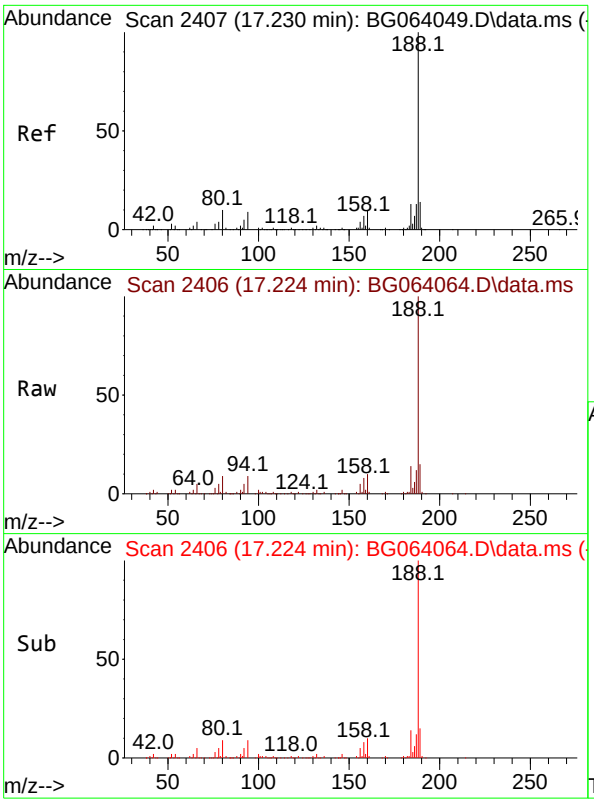


#45
2-Fluorobiphenyl
Concen: 72.108 ng
RT: 13.111 min Scan# 1706
Delta R.T. -0.006 min
Lab File: BG064064.D
Acq: 7 Mar 2025 18:21

Tgt Ion:172 Resp: 477492

Ion	Ratio	Lower	Upper
172	100		
171	38.5	28.0	42.0
170	24.6	18.7	28.1



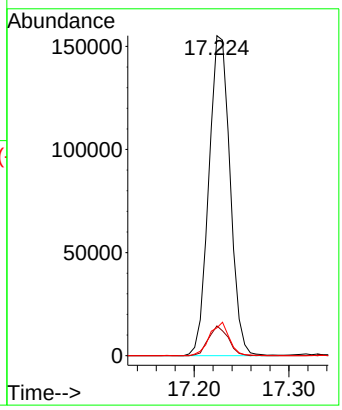


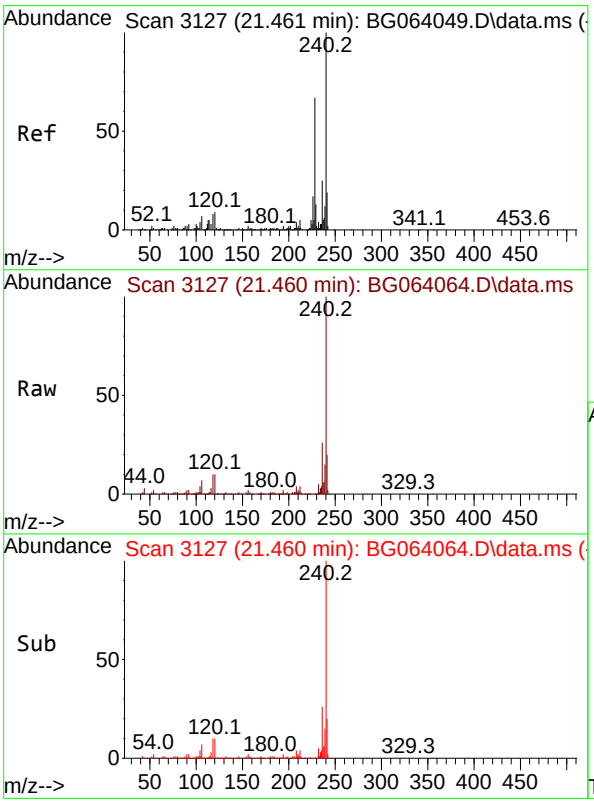
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.224 min Scan# 24
Delta R.T. -0.006 min
Lab File: BG064064.D
Acq: 7 Mar 2025 18:21

Instrument :
BNA_G
ClientSampleId :
FB03062025

Tgt Ion:188 Resp: 241431

Ion	Ratio	Lower	Upper
188	100		
94	9.3	6.9	10.3
80	8.7	8.1	12.1

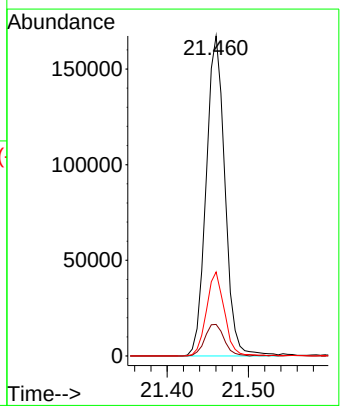


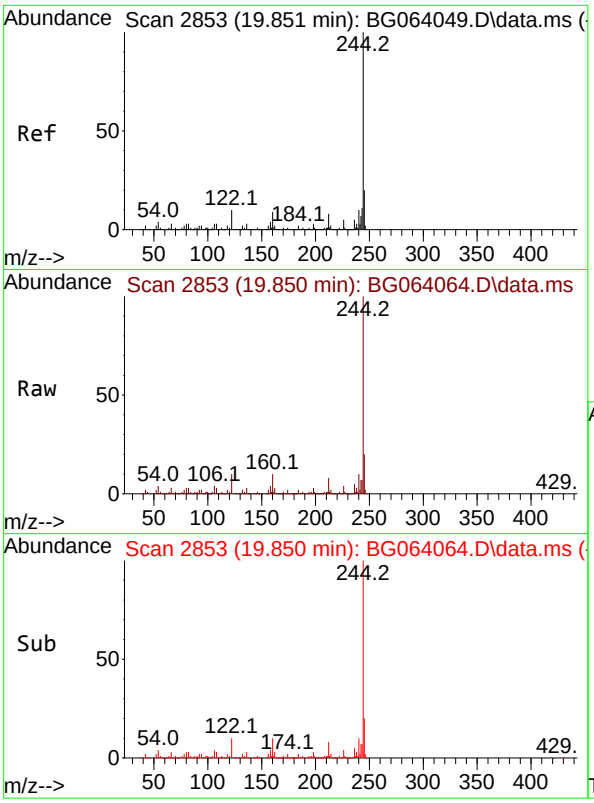


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.460 min Scan# 3127
Delta R.T. -0.000 min
Lab File: BG064064.D
Acq: 7 Mar 2025 18:21

Tgt Ion:240 Resp: 267874

Ion	Ratio	Lower	Upper
240	100		
120	9.8	7.2	10.8
236	26.3	20.2	30.2



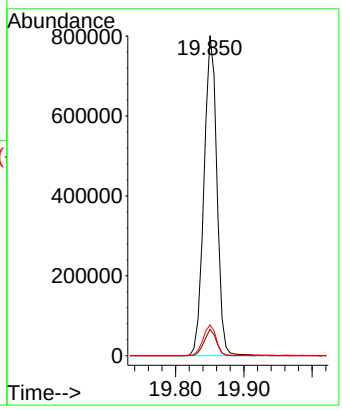


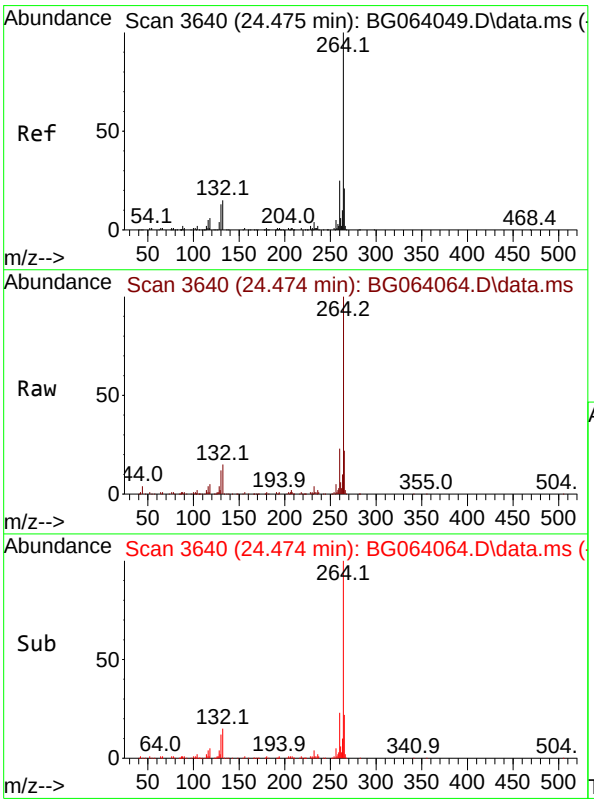
#79
Terphenyl-d14
Concen: 79.507 ng
RT: 19.850 min Scan# 2
Delta R.T. -0.000 min
Lab File: BG064064.D
Acq: 7 Mar 2025 18:21

Instrument :
BNA_G
ClientSampleId :
FB03062025

Tgt Ion:244 Resp: 1053306

Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.2	9.4
122	9.6	8.0	12.0

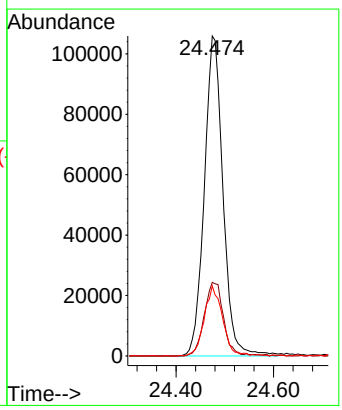




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.474 min Scan# 3640
Delta R.T. -0.000 min
Lab File: BG064064.D
Acq: 7 Mar 2025 18:21

Tgt Ion:264 Resp: 281608

Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.6	29.4
265	21.9	16.6	25.0



Sample Results: **BG064064.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064064.D
Acq On : 7 Mar 2025 18:21
Operator : RC/JU
Sample : Q1514-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FB03062025

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG064064.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.985	316	323	331	rBV	47382	71468	2.38%	0.651%
2	5.450	395	402	415	rVB	446350	668562	22.25%	6.093%
3	7.024	663	670	682	rBV	321654	528703	17.59%	4.818%
4	7.864	805	813	821	rBV	138899	230194	7.66%	2.098%
5	9.010	1000	1008	1016	rBV	385349	666549	22.18%	6.074%
6	10.649	1280	1287	1296	rVB	183654	324890	10.81%	2.961%
7	13.111	1697	1706	1714	rBV	1014662	1522306	50.65%	13.873%
8	14.486	1934	1940	1948	rVB	305561	471071	15.67%	4.293%
9	15.973	2185	2193	2205	rBV	869847	1272266	42.33%	11.595%
10	17.224	2399	2406	2414	rBV2	398573	619487	20.61%	5.646%
11	17.900	2516	2521	2528	rBV4	23420	32435	1.08%	0.296%
12	18.129	2556	2560	2565	rBV4	26539	36497	1.21%	0.333%
13	19.850	2847	2853	2871	rBV	2320672	3005310	100.00%	27.388%
14	21.460	3120	3127	3139	rBV	476447	763120	25.39%	6.955%
15	24.480	3630	3641	3651	rBV	283322	760132	25.29%	6.927%

Sum of corrected areas: 10972990

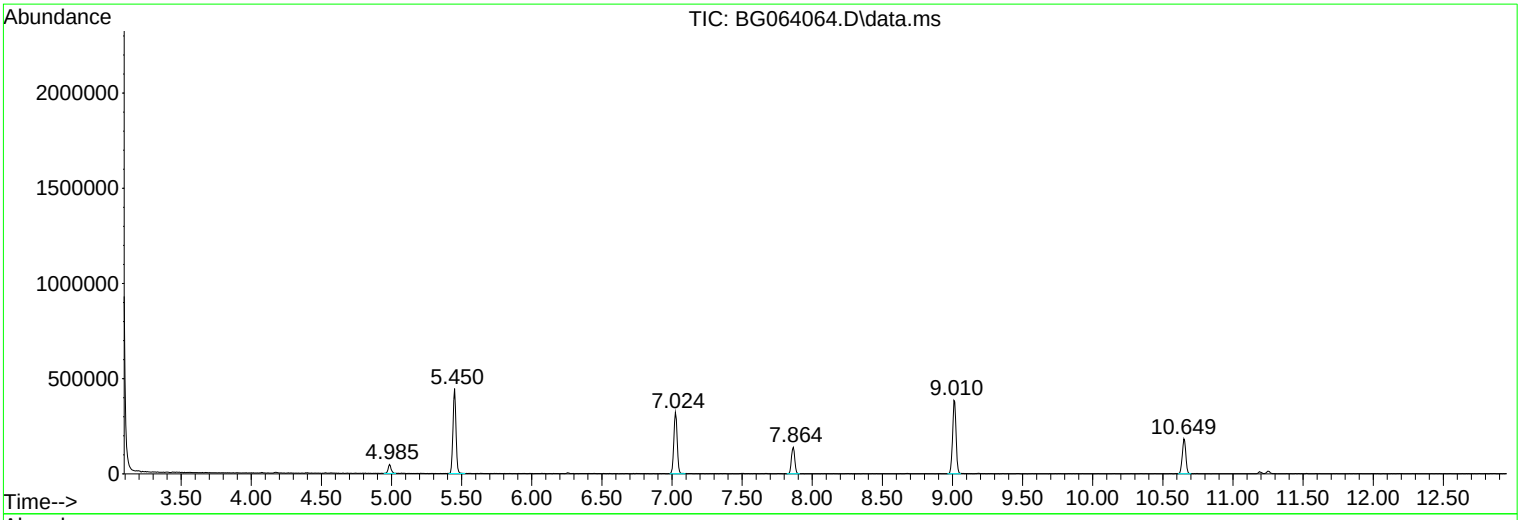
Sample Results: **BG064064.D**

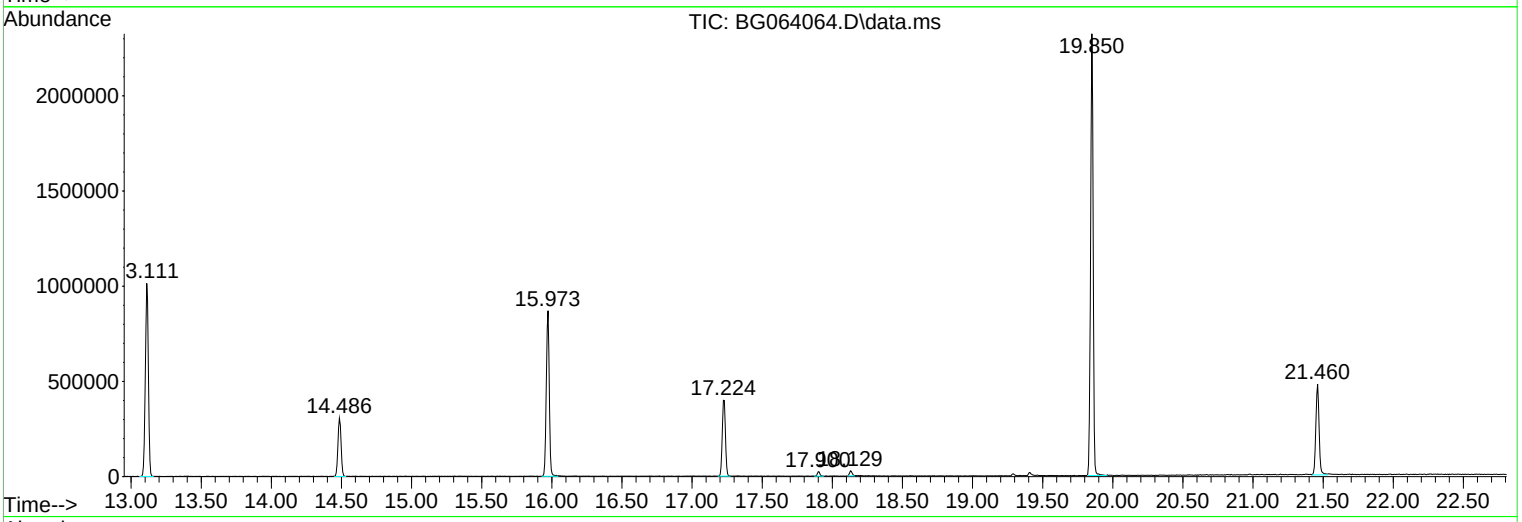
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064064.D
Acq On : 7 Mar 2025 18:21
Operator : RC/JU
Sample : Q1514-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

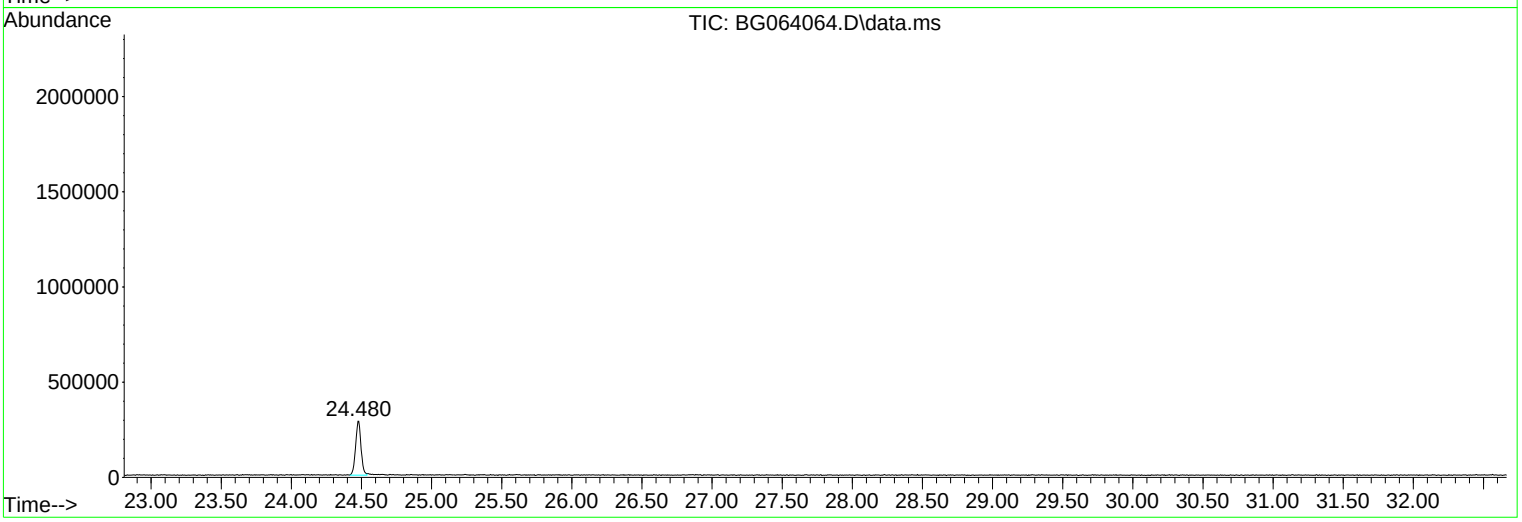
Instrument :
BNA_G
ClientSampleId :
FB03062025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064064.D
Acq On : 7 Mar 2025 18:21
Operator : RC/JU
Sample : Q1514-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FB03062025

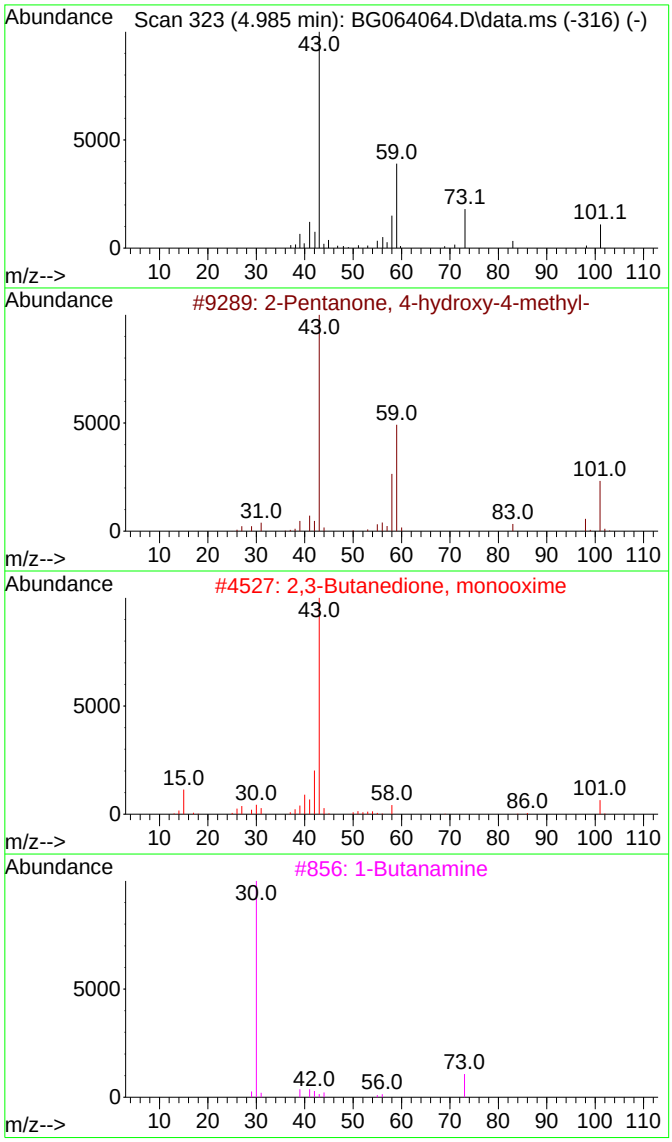
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

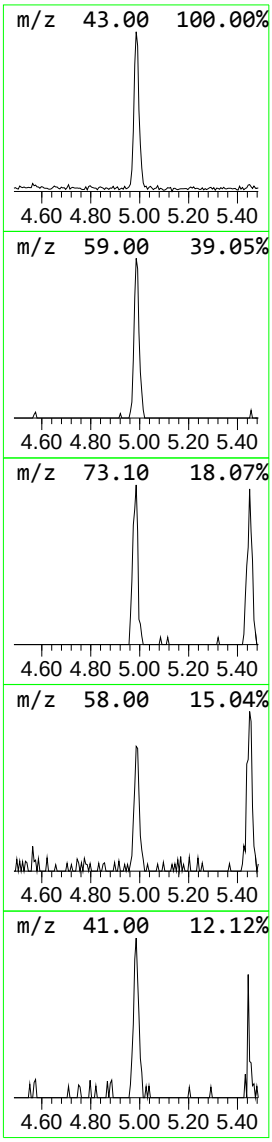
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.985	6.21 ng	71468	1,4-Dichlorobenzene-d4	7.864

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
3	1-Butanamine	73	C4H11N	000109-73-9	9
4	Diacetamide	101	C4H7NO2	000625-77-4	9
5	Isobutyl acetate	116	C6H12O2	000110-19-0	9





Sample Results: **BG064064.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064064.D
Acq On : 7 Mar 2025 18:21
Operator : RC/JU
Sample : Q1514-09
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FB03062025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	4.985	6.2	ng	71468	1	7.864	230194	20.0

CALIBRATION SUMMARY

Raw Data

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG No.: Q1514

Instrument ID: BNA_F Calibration Date(s): 03/10/2025 03/10/2025

Calibration Time(s): 11:01 15:20

LAB FILE ID: RRF2.5 = BF141897.D RRF005 = BF141898.D RRF010 = BF141899.D
RRF020 = BF141900.D RRF040 = BF141901.D RRF060 = BF141903.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF060	RRF	% RSD
2-Fluorophenol		1.267	1.243	1.298	1.148	1.146	1.198	5.8
Benzaldehyde			1.021	0.975	0.778	0.716	0.853	15.8
Phenol-d6		1.623	1.593	1.644	1.442	1.471	1.526	6.0
Phenol		1.708	1.675	1.747	1.536	1.532	1.605	6.3
bis(2-Chloroethyl)ether		1.287	1.246	1.281	1.144	1.176	1.205	5.4
2-Chlorophenol		1.421	1.354	1.434	1.259	1.284	1.329	5.6
2-Methylphenol		1.080	1.050	1.122	1.008	1.079	1.057	3.7
2,2-oxybis(1-Chloropropane)		1.591	1.525	1.534	1.363	1.472	1.455	7.1
Acetophenone		0.514	0.493	0.513	0.460	0.469	0.479	5.8
3+4-Methylphenols		1.449	1.394	1.470	1.294	1.334	1.354	6.5
n-Nitroso-di-n-propylamine	1.020	1.024	1.000	1.043	0.913	0.991	0.980	5.3
Nitrobenzene-d5		0.345	0.356	0.379	0.348	0.363	0.355	3.5
Hexachloroethane		0.545	0.551	0.576	0.517	0.560	0.544	3.8
Nitrobenzene		0.347	0.351	0.375	0.346	0.359	0.353	3.1
Isophorone		0.647	0.620	0.655	0.600	0.648	0.628	3.5
2-Nitrophenol		0.150	0.159	0.182	0.175	0.188	0.173	7.9
2,4-Dimethylphenol		0.247	0.234	0.251	0.231	0.244	0.239	3.5
bis(2-Chloroethoxy)methane		0.411	0.406	0.416	0.372	0.397	0.394	4.6
2,4-Dichlorophenol		0.292	0.295	0.309	0.286	0.303	0.296	2.5
Naphthalene		1.104	1.075	1.101	0.984	0.973	1.027	6.2
4-Chloroaniline		0.383	0.378	0.393	0.351	0.352	0.363	6.1
Hexachlorobutadiene		0.211	0.211	0.221	0.203	0.214	0.213	2.5
Caprolactam		0.092	0.089	0.094	0.084	0.090	0.090	4.0
4-Chloro-3-methylphenol		0.334	0.331	0.349	0.318	0.334	0.331	3.1
2-Methylnaphthalene		0.746	0.709	0.733	0.653	0.667	0.687	6.1
Hexachlorocyclopentadiene		0.204	0.221	0.249	0.250	0.252	0.238	8.0
2,4,6-Trichlorophenol		0.388	0.389	0.402	0.398	0.401	0.398	1.9
2-Fluorobiphenyl		1.430	1.379	1.379	1.254	1.246	1.315	5.9
2,4,5-Trichlorophenol		0.396	0.391	0.422	0.389	0.415	0.403	3.0
1,1-Biphenyl		1.636	1.573	1.591	1.454	1.431	1.520	5.3
2-Chloronaphthalene		1.197	1.141	1.181	1.091	1.090	1.133	3.8
2-Nitroaniline		0.296	0.314	0.346	0.322	0.332	0.328	6.1
Dimethylphthalate		1.481	1.414	1.469	1.329	1.345	1.401	4.5
Acenaphthylene		1.765	1.740	1.778	1.635	1.595	1.681	4.7

All other compounds must meet a minimum RRF of 0.010.

Raw Data

Alliance TECHNICAL GROUP

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG No.: Q1514

Instrument ID: BNA_F Calibration Date(s): 03/10/2025 03/10/2025

Calibration Time(s): 11:01 15:20

LAB FILE ID: RRF2.5 = BF141897.D RRF005 = BF141898.D RRF010 = BF141899.D
RRF020 = BF141900.D RRF040 = BF141901.D RRF060 = BF141903.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF060	RRF	% RSD
2,6-Dinitrotoluene		0.277	0.279	0.305	0.285	0.296	0.292	4.1
3-Nitroaniline		0.291	0.295	0.316	0.293	0.301	0.296	3.6
Acenaphthene		1.236	1.195	1.231	1.146	1.165	1.181	3.4
2,4-Dinitrophenol			0.085	0.124	0.142	0.161	0.139	22.0
4-Nitrophenol		0.192	0.216	0.234	0.230	0.230	0.223	6.6
Dibenzofuran		1.849	1.787	1.791	1.614	1.596	1.688	6.9
2,4-Dinitrotoluene		0.365	0.382	0.402	0.375	0.383	0.381	2.9
Diethylphthalate		1.475	1.471	1.497	1.336	1.338	1.397	5.8
4-Chlorophenyl-phenylether		0.730	0.688	0.702	0.643	0.656	0.679	4.4
Fluorene		1.443	1.361	1.381	1.229	1.234	1.302	7.0
4-Nitroaniline		0.284	0.288	0.304	0.288	0.286	0.288	2.7
4,6-Dinitro-2-methylphenol			0.083	0.111	0.121	0.133	0.119	16.6
n-Nitrosodiphenylamine		0.675	0.651	0.671	0.620	0.638	0.647	3.0
2,4,6-Tribromophenol		0.234	0.236	0.259	0.250	0.265	0.254	5.7
4-Bromophenyl-phenylether		0.240	0.249	0.255	0.244	0.245	0.251	3.6
Hexachlorobenzene		0.262	0.267	0.284	0.269	0.271	0.275	3.9
Atrazine		0.216	0.213	0.193	0.164		0.198	10.7
Pentachlorophenol		0.130	0.151	0.172	0.177	0.186	0.170	12.7
Phenanthrene		1.155	1.151	1.138	1.038	1.032	1.080	5.9
Anthracene		1.173	1.139	1.139	1.046	1.036	1.084	5.9
Carbazole		0.996	0.994	0.985	0.908	0.892	0.935	5.9
Di-n-butylphthalate		1.320	1.321	1.319	1.177	1.175	1.240	6.5
Fluoranthene		1.234	1.226	1.228	1.108	1.059	1.146	7.7
Pyrene		1.695	1.651	1.727	1.611	1.823	1.730	5.4
Terphenyl-d14		1.343	1.309	1.360	1.276	1.417	1.353	3.6
Butylbenzylphthalate		0.629	0.656	0.702	0.655	0.717	0.677	4.7
3,3-Dichlorobenzidine		0.370	0.389	0.380	0.372	0.394	0.379	2.8
Benzo(a)anthracene		1.370	1.304	1.334	1.273	1.317	1.312	2.4
Chrysene		1.143	1.194	1.260	1.136	1.213	1.190	3.5
Bis(2-ethylhexyl)phthalate		0.897	0.912	0.966	0.904	0.952	0.934	3.4
Di-n-octyl phthalate		1.145	1.219	1.338	1.265	1.390	1.299	7.1
Benzo(b)fluoranthene		1.420	1.310	1.485	1.210	1.390	1.371	6.6
Benzo(k)fluoranthene		1.162	1.268	1.197	1.205	1.210	1.173	6.2
Benzo(a)pyrene		1.040	1.042	1.123	1.036	1.083	1.073	3.2
Indeno(1,2,3-cd)pyrene		1.097	1.142	1.308	1.287	1.472	1.294	10.6

All other compounds must meet a minimum RRF of 0.010.

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG No.: Q1514

Instrument ID: BNA_F Calibration Date(s): 03/10/2025 03/10/2025

Calibration Time(s): 11:01 15:20

LAB FILE ID: RRF2.5 = BF141897.D RRF005 = BF141898.D RRF010 = BF141899.D
RRF020 = BF141900.D RRF040 = BF141901.D RRF060 = BF141903.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF060	RRF	% RSD
Dibenzo(a,h)anthracene		0.910	0.953	1.073	1.068	1.195	1.067	9.9
Benzo(g,h,i)perylene		0.912	0.949	1.061	1.065	1.167	1.055	9.2
1,2,4,5-Tetrachlorobenzene		0.615	0.604	0.626	0.592	0.606	0.609	2.1
1,4-Dioxane		0.490	0.482	0.536	0.504	0.501	0.502	3.4
2,3,4,6-Tetrachlorophenol		0.355	0.365	0.390	0.359	0.366	0.367	3.0

All other compounds must meet a minimum RRF of 0.010.

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF031025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Mar 10 15:46:22 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF141897.D 5 =BF141898.D 10 =BF141899.D 20 =BF141900.D 40 =BF141901.D 50 =BF141905.D 60 =BF141903.D 80 =BF1419
04.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.490	0.482	0.536	0.504	0.495	0.501	0.508	0.502	3.43
3)		Pyridine		1.217	1.204	1.334	1.221	1.203	1.209	1.233	1.232	3.77
4)		n-Nitrosodimet...		0.554	0.556	0.621	0.583	0.595	0.594	0.607	0.587	4.26
5)	S	2-Fluorophenol		1.267	1.243	1.298	1.148	1.162	1.146	1.124	1.198	5.79
6)		Aniline		1.599	1.602	1.640	1.465	1.443	1.435	1.351	1.505	7.20
7)	S	Phenol-d6		1.623	1.593	1.644	1.442	1.483	1.471	1.424	1.526	5.99
8)		2-Chlorophenol		1.421	1.354	1.434	1.259	1.295	1.284	1.256	1.329	5.63
9)		Benzaldehyde			1.021	0.975	0.778	0.778	0.716		0.853	15.85
10)	C	Phenol		1.708	1.675	1.747	1.536	1.542	1.532	1.496	1.605	6.30
11)		bis(2-Chloroet...		1.287	1.246	1.281	1.144	1.175	1.176	1.127	1.205	5.43
12)		1,3-Dichlorobe...		1.475	1.489	1.538	1.373	1.401	1.401	1.367	1.435	4.59
13)	C	1,4-Dichlorobe...		1.514	1.503	1.548	1.393	1.408	1.420	1.376	1.452	4.71
14)		1,2-Dichlorobe...		1.461	1.417	1.460	1.303	1.315	1.343	1.273	1.367	5.69
15)		Benzyl Alcohol		1.236	1.252	1.322	1.185	1.214	1.246	1.180	1.233	3.91
16)		2,2'-oxybis(1-...		1.591	1.525	1.534	1.363	1.387	1.472	1.313	1.455	7.07
17)		2-Methylphenol		1.080	1.050	1.122	1.008	1.038	1.079	1.021	1.057	3.73
18)		Hexachloroethane		0.545	0.551	0.576	0.517	0.540	0.560	0.522	0.544	3.76
19)	P	n-Nitroso-di-n...	1.020	1.024	1.000	1.043	0.913	0.940	0.991	0.912	0.980	5.29
20)		3+4-Methylphenols		1.449	1.394	1.470	1.294	1.311	1.334	1.223	1.354	6.55
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.514	0.493	0.513	0.460	0.450	0.469	0.453	0.479	5.76
23)	S	Nitrobenzene-d5		0.345	0.356	0.379	0.348	0.344	0.363	0.353	0.355	3.47
24)		Nitrobenzene		0.347	0.351	0.375	0.346	0.343	0.359	0.352	0.353	3.07
25)		Isophorone		0.647	0.620	0.655	0.600	0.605	0.648	0.622	0.628	3.49
26)	C	2-Nitrophenol		0.150	0.159	0.182	0.175	0.179	0.188	0.181	0.173	7.88
27)		2,4-Dimethylph...		0.247	0.234	0.251	0.231	0.233	0.244	0.232	0.239	3.45
28)		bis(2-Chloroet...		0.411	0.406	0.416	0.372	0.377	0.397	0.378	0.394	4.63
29)	C	2,4-Dichloroph...		0.292	0.295	0.309	0.286	0.295	0.303	0.294	0.296	2.54
30)		1,2,4-Trichlor...		0.337	0.325	0.342	0.310	0.318	0.333	0.322	0.327	3.50
31)		Naphthalene		1.104	1.075	1.101	0.984	1.001	0.973	0.954	1.027	6.22
32)		Benzoic acid			0.149	0.191	0.208	0.228	0.242	0.241	0.210	17.07
33)		4-Chloroaniline		0.383	0.378	0.393	0.351	0.354	0.352	0.329	0.363	6.14
34)	C	Hexachlorobuta...		0.211	0.211	0.221	0.203	0.214	0.214	0.216	0.213	2.52
35)		Caprolactam		0.092	0.089	0.094	0.084	0.088	0.090	0.094	0.090	4.00
36)	C	4-Chloro-3-met...		0.334	0.331	0.349	0.318	0.329	0.334	0.320	0.331	3.13
37)		2-Methylnaphth...		0.746	0.709	0.733	0.653	0.655	0.667	0.645	0.687	6.09
38)		1-Methylnaphth...		0.717	0.691	0.721	0.623	0.619	0.647	0.620	0.663	6.95

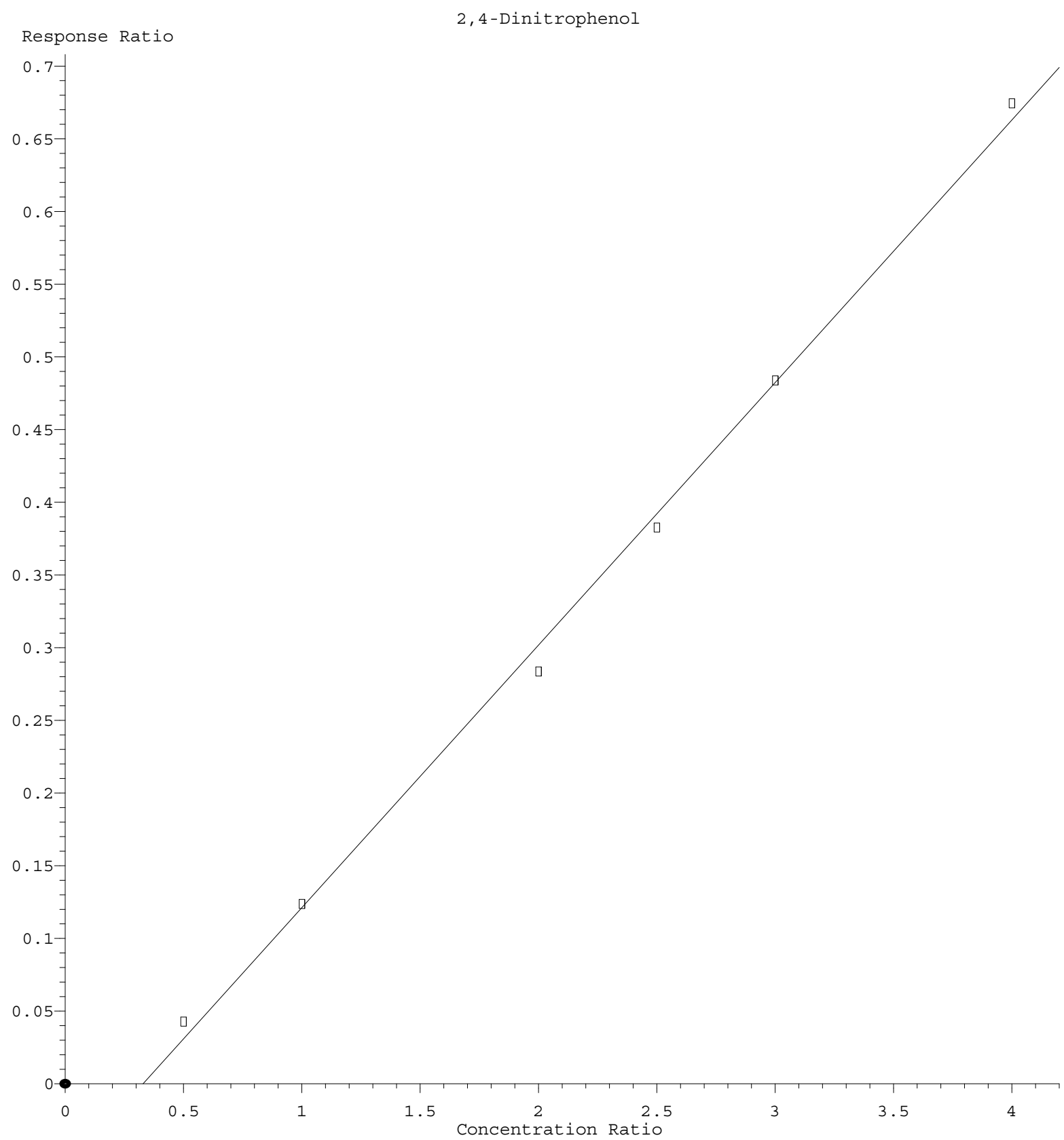
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF031025.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.615	0.604	0.626	0.592	0.597	0.606	0.623	0.609	2.11
41)	P	Hexachlorocycl...	0.204	0.221	0.249	0.250	0.237	0.252	0.256	0.238	8.03
42)	S	2,4,6-Tribromo...	0.234	0.236	0.259	0.250	0.259	0.265	0.272	0.254	5.67
43)	C	2,4,6-Trichlor...	0.388	0.389	0.402	0.398	0.400	0.401	0.409	0.398	1.91
44)		2,4,5-Trichlor...	0.396	0.391	0.422	0.389	0.400	0.415	0.407	0.403	3.05
45)	S	2-Fluorobiphenyl	1.430	1.379	1.379	1.254	1.272	1.246	1.246	1.315	5.95
46)		1,1'-Biphenyl	1.636	1.573	1.591	1.454	1.502	1.431	1.450	1.520	5.29
47)		2-Chloronaphth...	1.197	1.141	1.181	1.091	1.129	1.090	1.100	1.133	3.82
48)		2-Nitroaniline	0.296	0.314	0.346	0.322	0.356	0.332	0.330	0.328	6.08
49)		Acenaphthylene	1.765	1.740	1.778	1.635	1.664	1.595	1.589	1.681	4.74
50)		Dimethylphthalate	1.481	1.414	1.469	1.329	1.425	1.345	1.341	1.401	4.47
51)		2,6-Dinitrotol...	0.277	0.279	0.305	0.285	0.307	0.296	0.292	0.292	4.11
52)	C	Acenaphthene	1.236	1.195	1.231	1.146	1.144	1.165	1.152	1.181	3.37
53)		3-Nitroaniline	0.291	0.295	0.316	0.293	0.283	0.301	0.291	0.296	3.61
54)	P	2,4-Dinitrophenol		0.085	0.124	0.142	0.153	0.161	0.169	0.139	22.02
55)		Dibenzofuran	1.849	1.787	1.791	1.614	1.607	1.596	1.570	1.688	6.87
56)	P	4-Nitrophenol	0.192	0.216	0.234	0.230	0.229	0.230	0.230	0.223	6.60
57)		2,4-Dinitrotol...	0.365	0.382	0.402	0.375	0.383	0.383	0.376	0.381	2.95
58)		Fluorene	1.443	1.361	1.381	1.229	1.243	1.234	1.220	1.302	7.01
59)		2,3,4,6-Tetrac...	0.355	0.365	0.390	0.359	0.364	0.366	0.369	0.367	3.05
60)		Diethylphthalate	1.475	1.471	1.497	1.336	1.357	1.338	1.302	1.397	5.80
61)		4-Chlorophenyl...	0.730	0.688	0.702	0.643	0.664	0.656	0.667	0.679	4.41
62)		4-Nitroaniline	0.284	0.288	0.304	0.288	0.287	0.286	0.278	0.288	2.73
63)		Azobenzene	1.392	1.363	1.404	1.245	1.261	1.226	1.197	1.298	6.57
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.083	0.111	0.121	0.130	0.133	0.137	0.119	16.61
66)	c	n-Nitrosodiphe...	0.675	0.651	0.671	0.620	0.638	0.638	0.637	0.647	3.03
67)		4-Bromophenyl-...	0.240	0.249	0.255	0.244	0.263	0.245	0.262	0.251	3.55
68)		Hexachlorobenzene	0.262	0.267	0.284	0.269	0.283	0.271	0.292	0.275	3.92
69)		Atrazine	0.216	0.213	0.193	0.164	0.206			0.198	10.72
70)	C	Pentachlorophenol	0.130	0.151	0.172	0.177	0.180	0.186	0.191	0.170	12.66
71)		Phenanthrene	1.155	1.151	1.138	1.038	1.026	1.032	1.023	1.080	5.90
72)		Anthracene	1.173	1.139	1.139	1.046	1.026	1.036	1.026	1.084	5.89
73)		Carbazole	0.996	0.994	0.985	0.908	0.903	0.892	0.864	0.935	5.91
74)		Di-n-butylphth...	1.320	1.321	1.319	1.177	1.238	1.175	1.132	1.240	6.50
75)	C	Fluoranthene	1.234	1.226	1.228	1.108	1.148	1.059	1.017	1.146	7.66
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.347	0.309	0.190	0.360	0.220	0.275	0.252	0.279	22.73
78)		Pyrene	1.695	1.651	1.727	1.611	1.877	1.823	1.726	1.730	5.38
79)	S	Terphenyl-d14	1.343	1.309	1.360	1.276	1.380	1.417	1.384	1.353	3.56
80)		Butylbenzylpht...	0.629	0.656	0.702	0.655	0.703	0.717	0.677	0.677	4.72
81)		Benzo(a)anthra...	1.370	1.304	1.334	1.273	1.294	1.317	1.294	1.312	2.41
82)		3,3'-Dichlorob...	0.370	0.389	0.380	0.372	0.365	0.394	0.384	0.379	2.78
83)		Chrysene	1.143	1.194	1.260	1.136	1.192	1.213	1.189	1.190	3.53
84)		Bis(2-ethylhex...	0.897	0.912	0.966	0.904	0.978	0.952	0.927	0.934	3.43
85)	c	Di-n-octyl pht...	1.145	1.219	1.338	1.265	1.376	1.390	1.361	1.299	7.10

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF031025.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.097	1.142	1.308	1.287	1.322	1.472	1.429	1.294	10.60
88)		Benzo(b)fluora...	1.420	1.310	1.485	1.210	1.346	1.390	1.434	1.371	6.65
89)		Benzo(k)fluora...	1.162	1.268	1.197	1.205	1.129	1.210	1.041	1.173	6.16
90)	C	Benzo(a)pyrene	1.040	1.042	1.123	1.036	1.083	1.083	1.101	1.073	3.16
91)		Dibenzo(a,h)an...	0.910	0.953	1.073	1.068	1.095	1.195	1.178	1.067	9.91
92)		Benzo(g,h,i)pe...	0.912	0.949	1.061	1.065	1.064	1.167	1.167	1.055	9.24

(#) = Out of Range



Response = 1.805e-001 * Amt - 5.933e-002
Coef of Det (r^2) = 0.997436 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF031025.M
Calibration Table Last Updated: Mon Mar 10 15:46:22 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141897.D
Acq On : 10 Mar 2025 11:01
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Mar 10 15:31:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	218163	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	918034	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	548310	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	1010378	20.000	ng	0.00
76) Chrysene-d12	14.033	240	740344	20.000	ng	0.00
86) Perylene-d12	15.509	264	520745	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.275	70	27816	2.599	ng	94

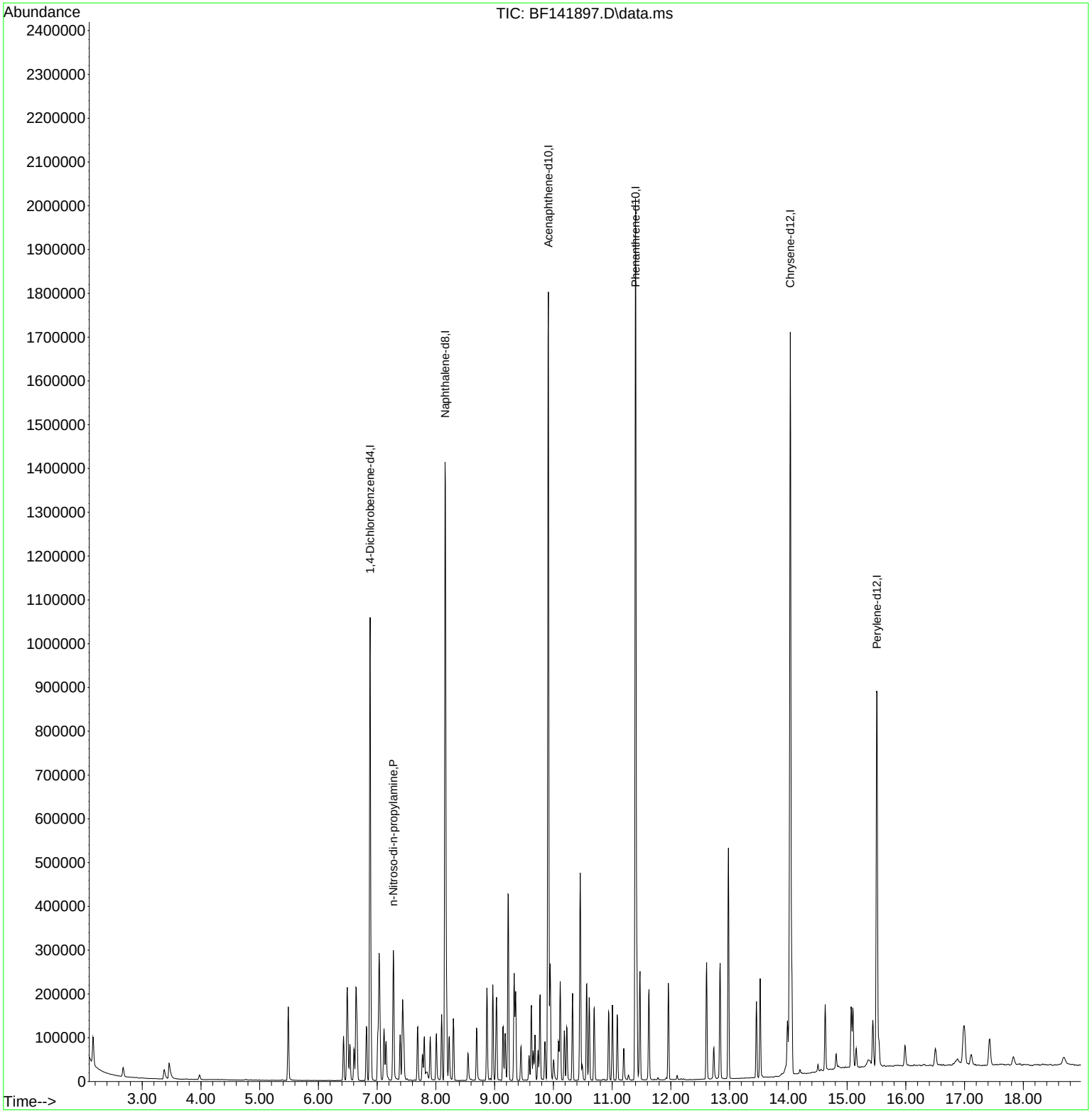
(#) = qualifier out of range (m) = manual integration (+) = signals summed

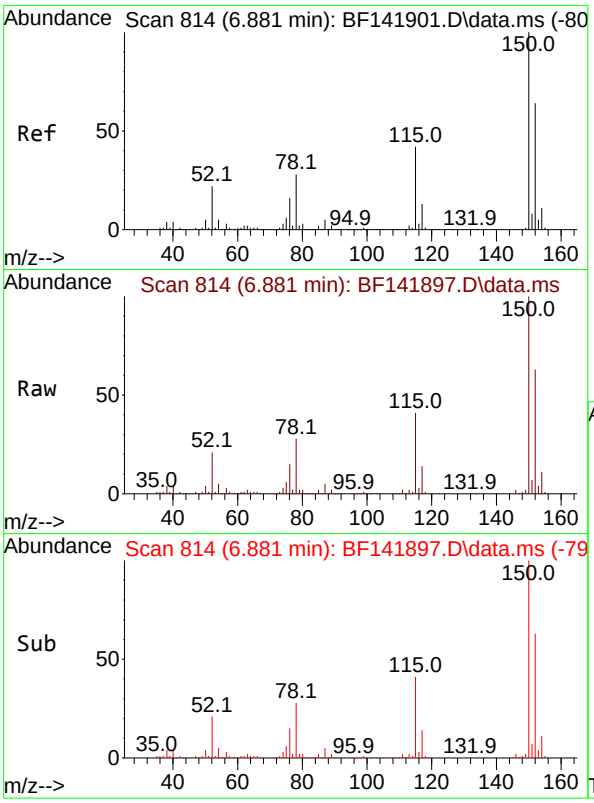
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141897.D
Acq On : 10 Mar 2025 11:01
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Mar 10 15:31:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration



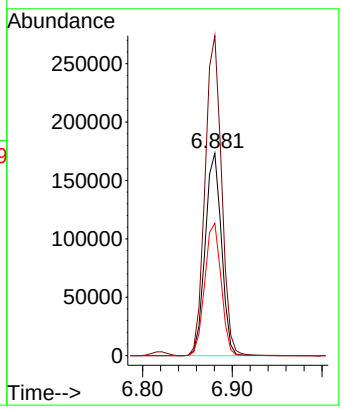


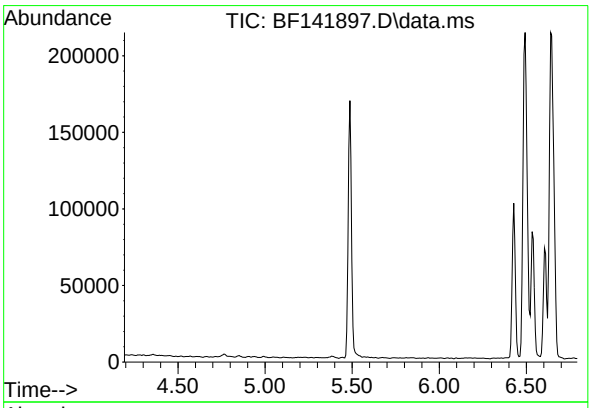
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141897.D
Acq: 10 Mar 2025 11:01

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 218163

Ion	Ratio	Lower	Upper
152	100		
150	158.0	127.4	191.2
115	65.4	51.9	77.9



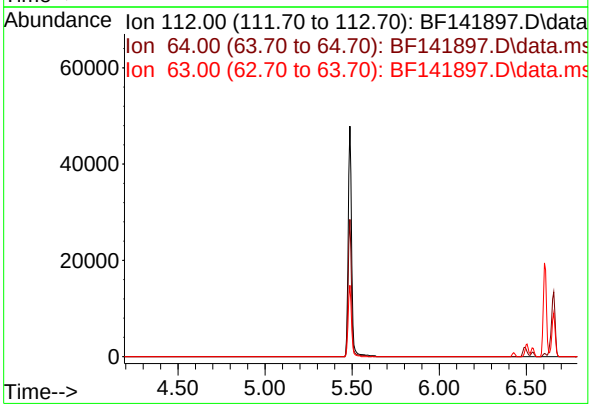


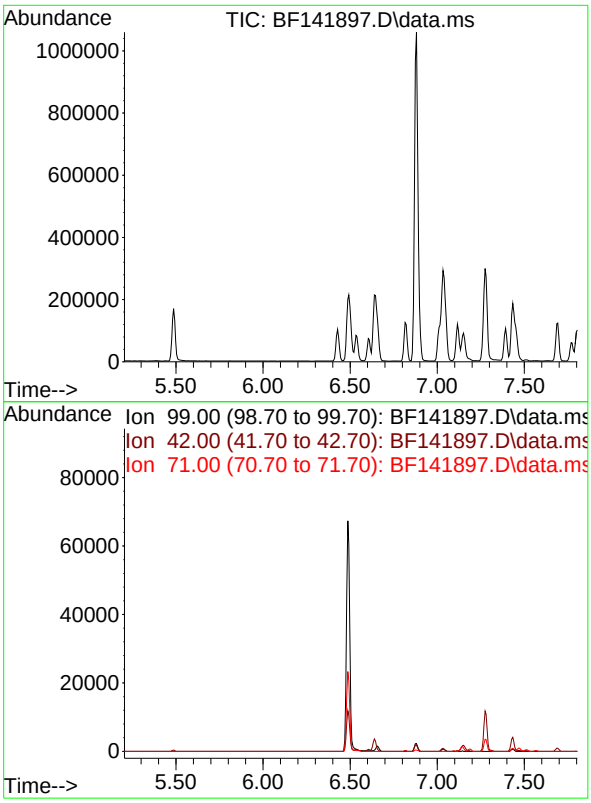
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.49 min

Lab File: BF141897.D
Acq: 10 Mar 2025 11:01

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	58.1
63	31.8





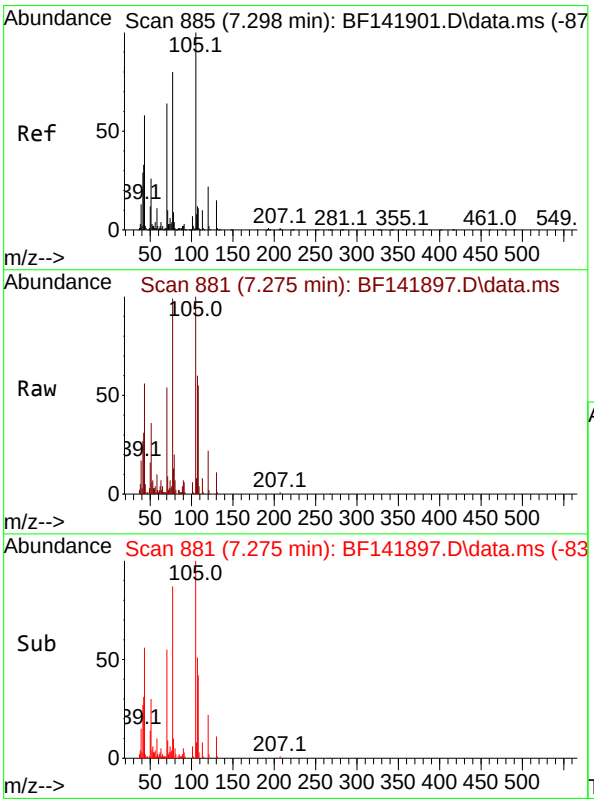
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.50 min

Lab File: BF141897.D
Acq: 10 Mar 2025 11:01

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

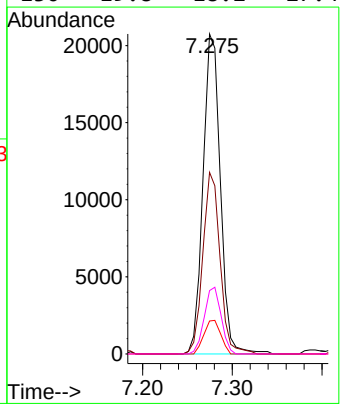
Sig	Exp Ratio
99	100
42	18.2
71	38.5

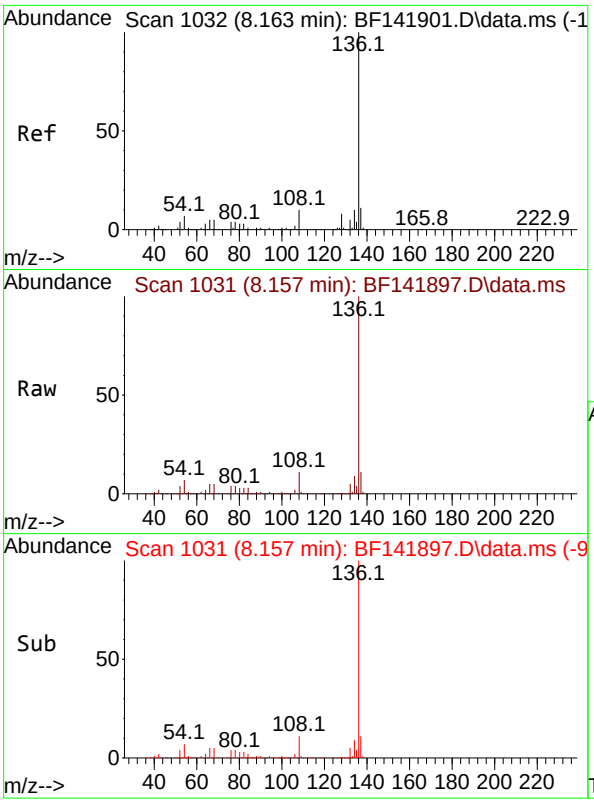


#19
n-Nitroso-di-n-propylamine
Concen: 2.599 ng
RT: 7.275 min Scan# 881
Delta R.T. -0.024 min
Lab File: BF141897.D
Acq: 10 Mar 2025 11:01

Tgt Ion: 70 Resp: 27816

Ion	Ratio	Lower	Upper
70	100		
42	56.8	41.4	62.0
101	10.3	8.2	12.2
130	19.8	18.2	27.4



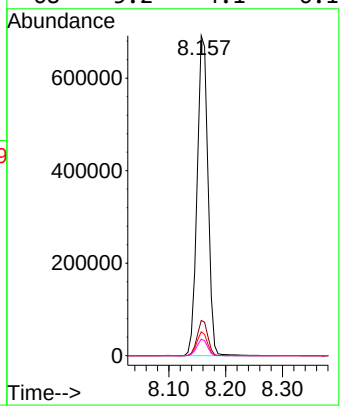


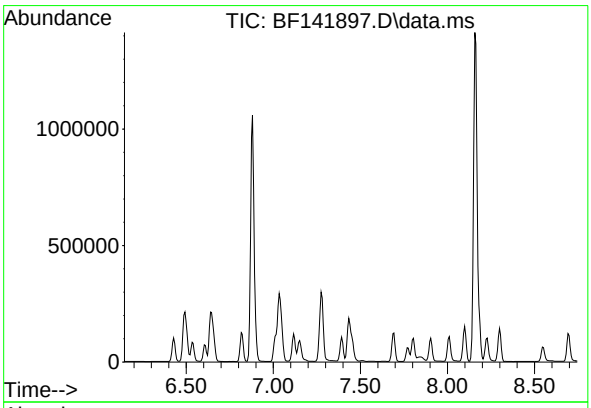
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141897.D
Acq: 10 Mar 2025 11:01

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 918034

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.5	5.8	8.8
68	5.2	4.1	6.1



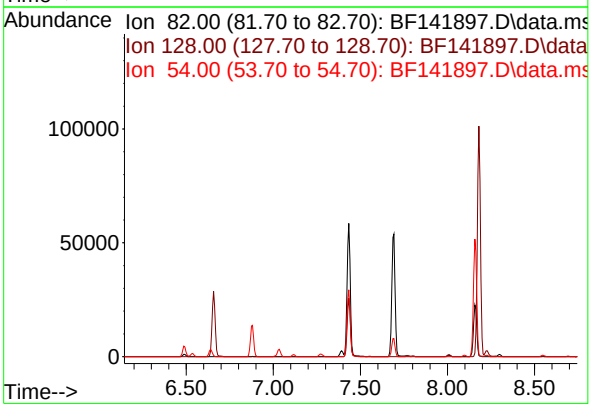


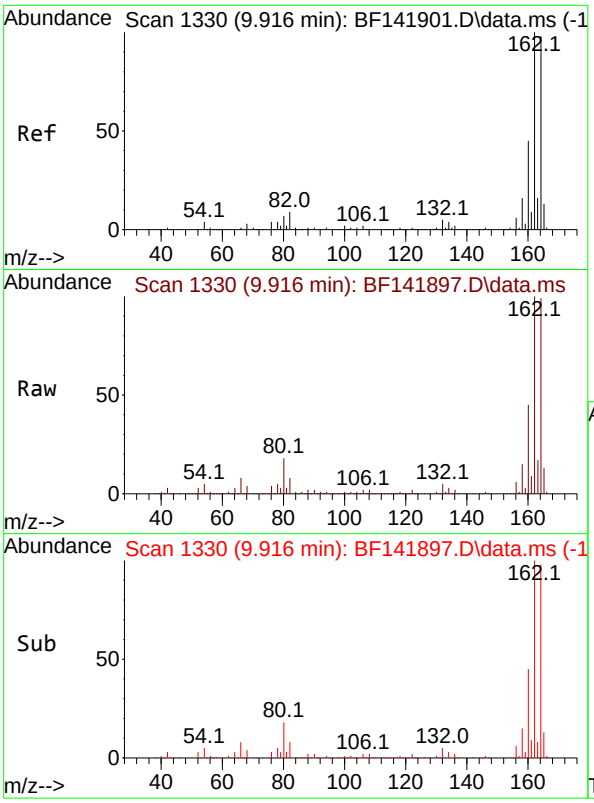
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.45 min

Lab File: BF141897.D
Acq: 10 Mar 2025 11:01

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	45.0
54	49.5



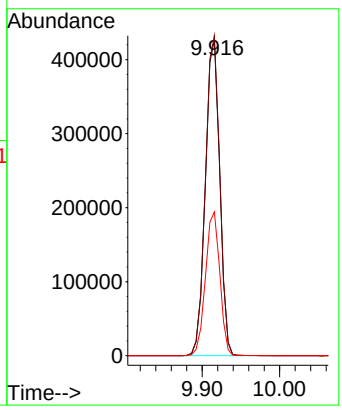


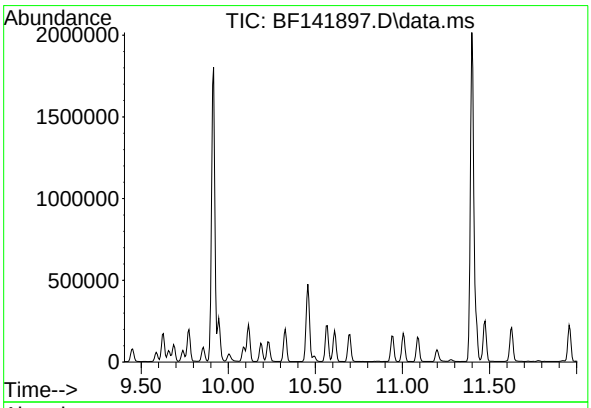
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141897.D
Acq: 10 Mar 2025 11:01

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 548310

Ion	Ratio	Lower	Upper
164	100		
162	101.3	81.8	122.6
160	45.5	36.7	55.1



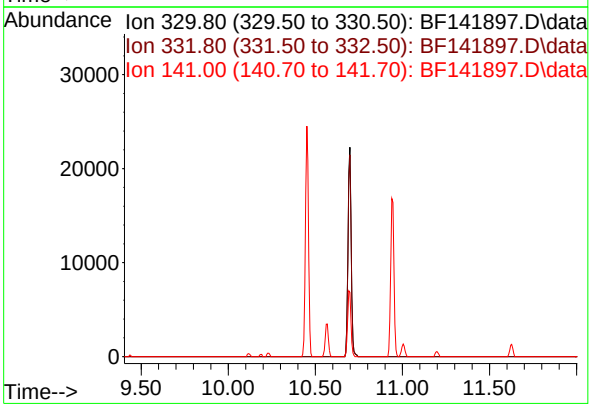


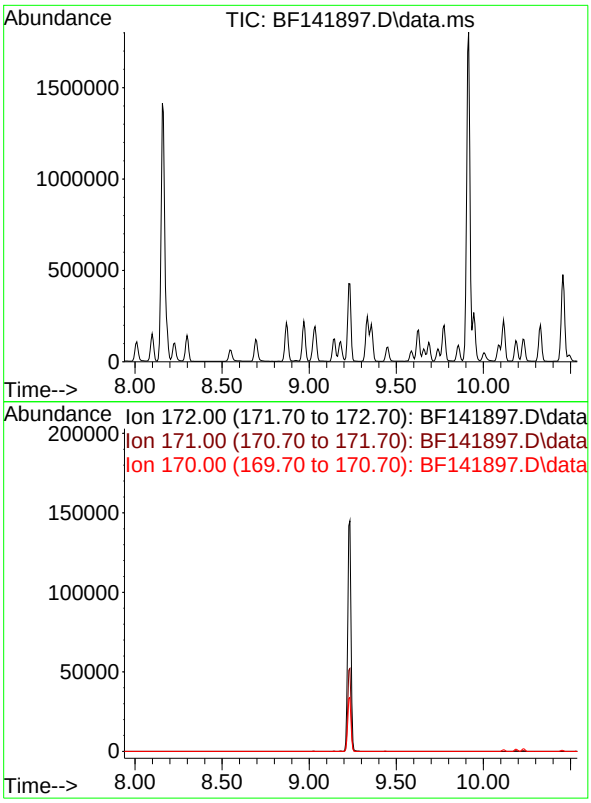
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.70 min

Lab File: BF141897.D
Acq: 10 Mar 2025 11:01

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	97.0
141	30.9





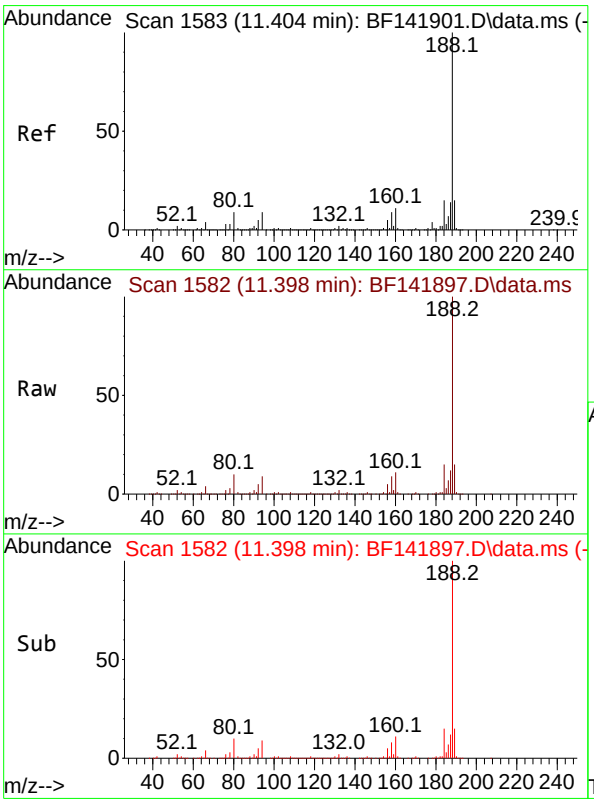
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.24 min

Lab File: BF141897.D
Acq: 10 Mar 2025 11:01

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

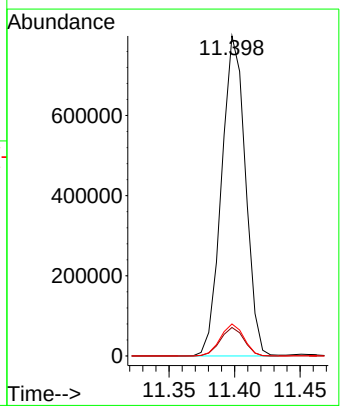
Sig	Exp Ratio
172	100
171	36.6
170	24.2

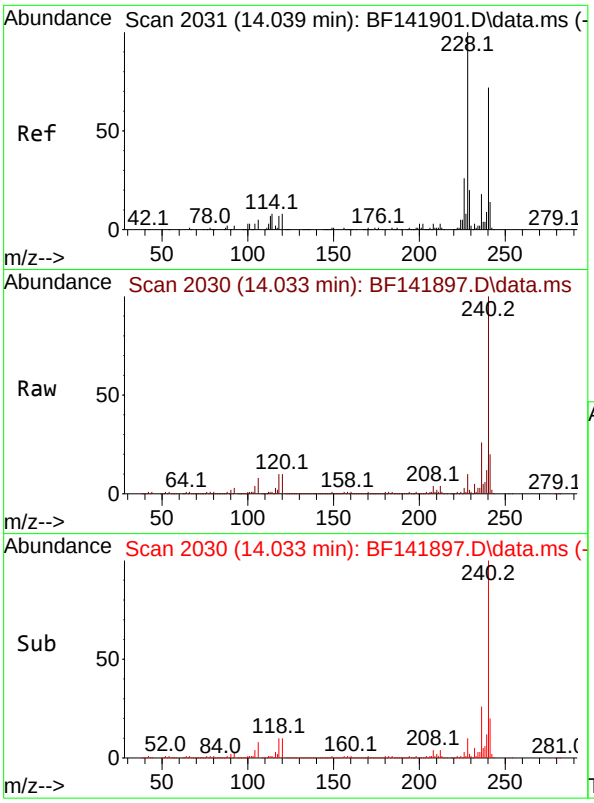


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141897.D
Acq: 10 Mar 2025 11:01

Tgt Ion:188 Resp: 1010378

Ion	Ratio	Lower	Upper
188	100		
94	8.9	6.8	10.2
80	10.0	7.6	11.4



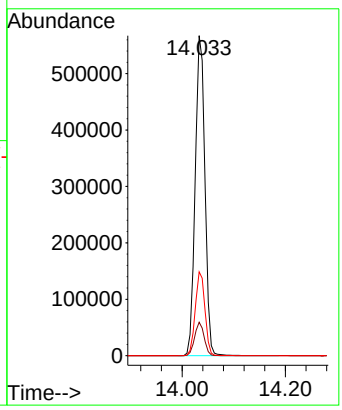


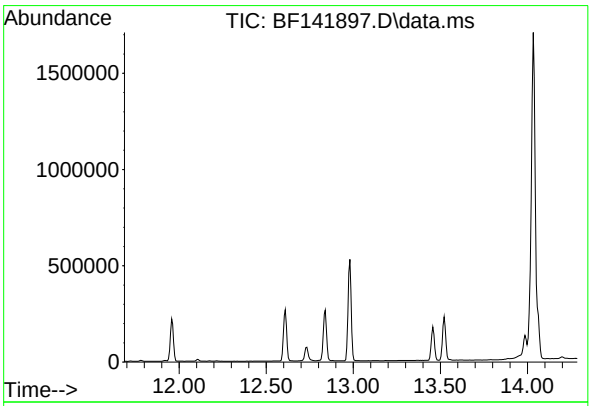
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF141897.D
Acq: 10 Mar 2025 11:01

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 740344

Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.4	12.6
236	26.2	20.5	30.7



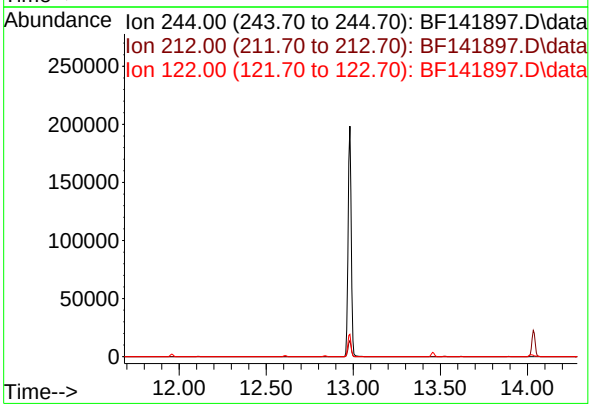


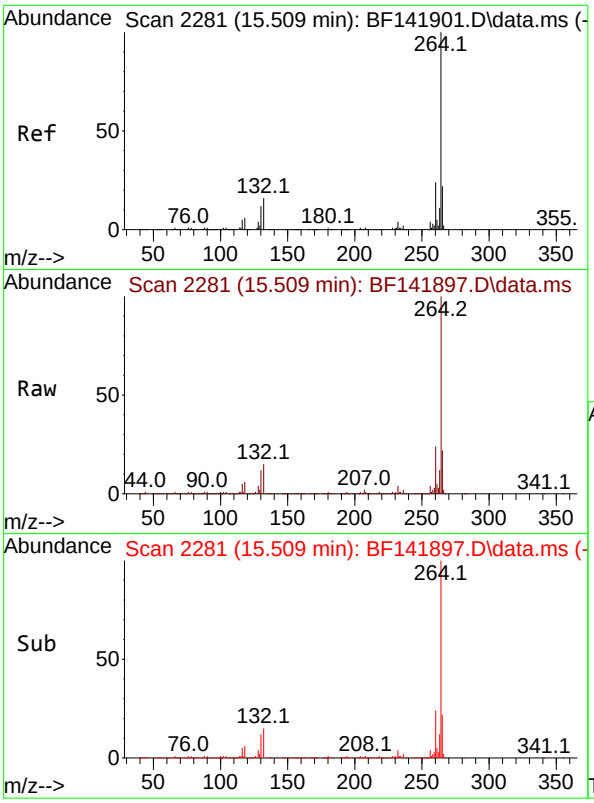
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 12.99 min

Lab File: BF141897.D
Acq: 10 Mar 2025 11:01

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.5
122	9.6



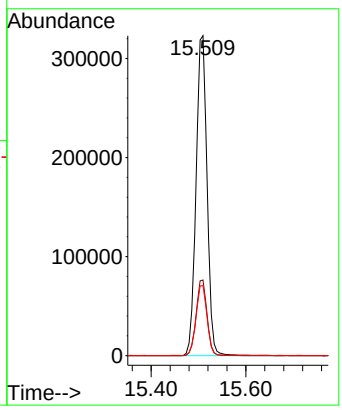


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141897.D
Acq: 10 Mar 2025 11:01

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 520745

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.1	28.7
265	21.9	17.5	26.3



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141898.D
Acq On : 10 Mar 2025 11:30
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Mar 10 15:32:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	230406	20.000	ng		0.00
21) Naphthalene-d8	8.157	136	926118	20.000	ng		0.00
39) Acenaphthene-d10	9.916	164	546702	20.000	ng		0.00
64) Phenanthrene-d10	11.398	188	1002901	20.000	ng		0.00
76) Chrysene-d12	14.033	240	745624	20.000	ng		0.00
86) Perylene-d12	15.504	264	527129	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.487	112	145959	10.570	ng		0.00
7) Phenol-d6	6.486	99	186951	10.630	ng		-0.02
23) Nitrobenzene-d5	7.433	82	159777	9.670	ng		-0.01
42) 2,4,6-Tribromophenol	10.698	330	63996	9.238	ng		0.00
45) 2-Fluorobiphenyl	9.233	172	390913	10.888	ng		0.00
79) Terphenyl-d14	12.980	244	500607	9.924	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.675	88	28210	4.874	ng		99
3) Pyridine	3.451	79	70090	4.928	ng		99
4) n-Nitrosodimethylamine	3.369	42	31893	4.717	ng	#	99
6) Aniline	6.534	93	92116	5.305	ng		100
8) 2-Chlorophenol	6.657	128	81845	5.347	ng		98
10) Phenol	6.504	94	98369	5.301	ng		96
11) bis(2-Chloroethyl)ether	6.604	93	74158	5.334	ng		98
12) 1,3-Dichlorobenzene	6.816	146	84952	5.136	ng		100
13) 1,4-Dichlorobenzene	6.898	146	87237	5.213	ng		98
14) 1,2-Dichlorobenzene	7.045	146	84183	5.342	ng		99
15) Benzyl Alcohol	7.010	79	71182	5.000	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.151	45	91659	5.470	ng		97
17) 2-Methylphenol	7.116	107	62211	5.114	ng		99
18) Hexachloroethane	7.392	117	31373	5.000	ng		96
19) n-Nitroso-di-n-propyla...	7.281	70	58981	5.218	ng		98
20) 3+4-Methylphenols	7.269	107	83461	5.349	ng		97
22) Acetophenone	7.281	105	119040	5.358	ng		99
24) Nitrobenzene	7.451	77	80338	4.904	ng		99
25) Isophorone	7.692	82	149807	5.135	ng		99
26) 2-Nitrophenol	7.775	139	34757	4.329	ng		98
27) 2,4-Dimethylphenol	7.804	122	57106	5.164	ng		96
28) bis(2-Chloroethoxy)met...	7.904	93	95214	5.210	ng		97
29) 2,4-Dichlorophenol	8.010	162	67710	4.934	ng		99
30) 1,2,4-Trichlorobenzene	8.098	180	78127	5.160	ng		98
31) Naphthalene	8.180	128	255632	5.388	ng		98
33) 4-Chloroaniline	8.228	127	88635	5.294	ng		99
34) Hexachlorobutadiene	8.298	225	48885	4.966	ng		99
35) Caprolactam	8.557	113	21358	5.118	ng		94
36) 4-Chloro-3-methylphenol	8.692	107	77370	5.070	ng		99
37) 2-Methylnaphthalene	8.869	142	172734	5.427	ng		99
38) 1-Methylnaphthalene	8.969	142	166050	5.387	ng		99
40) 1,2,4,5-Tetrachloroben...	9.033	216	84034	5.041	ng		99
41) Hexachlorocyclopentadiene	9.022	237	27931	4.246	ng		96
43) 2,4,6-Trichlorophenol	9.145	196	52998	4.877	ng		99
44) 2,4,5-Trichlorophenol	9.180	196	54111	4.901	ng		97
46) 1,1'-Biphenyl	9.333	154	223637	5.395	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141898.D
Acq On : 10 Mar 2025 11:30
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Mar 10 15:32:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 2-Chloronaphthalene	9.357	162	163642	5.298	ng	97
48) 2-Nitroaniline	9.451	65	40475	4.561	ng	98
49) Acenaphthylene	9.774	152	241253	5.268	ng	99
50) Dimethylphthalate	9.627	163	202373	5.328	ng	100
51) 2,6-Dinitrotoluene	9.686	165	37796	4.785	ng	99
52) Acenaphthene	9.945	154	168975	5.225	ng	98
53) 3-Nitroaniline	9.857	138	39761	4.902	ng	98
55) Dibenzofuran	10.116	168	252715	5.481	ng	97
56) 4-Nitrophenol	10.004	139	26252	4.309	ng	99
57) 2,4-Dinitrotoluene	10.092	165	49913	4.800	ng	98
58) Fluorene	10.457	166	197266	5.542	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	48472	4.839	ng	98
60) Diethylphthalate	10.327	149	201554	5.286	ng	99
61) 4-Chlorophenyl-phenyle...	10.451	204	99747	5.380	ng	98
62) 4-Nitroaniline	10.463	138	38863	4.945	ng	94
63) Azobenzene	10.610	77	190233	5.370	ng	98
66) n-Nitrosodiphenylamine	10.569	169	169225	5.223	ng	98
67) 4-Bromophenyl-phenylether	10.945	248	60238	4.823	ng	98
68) Hexachlorobenzene	11.004	284	65620	4.753	ng	98
69) Atrazine	11.092	200	54251	6.867	ng	98
70) Pentachlorophenol	11.198	266	32716	3.843	ng	100
71) Phenanthrene	11.421	178	289580	5.340	ng	98
72) Anthracene	11.474	178	294198	5.407	ng	98
73) Carbazole	11.627	167	249634	5.329	ng	99
74) Di-n-butylphthalate	11.957	149	330999	5.352	ng	99
75) Fluoranthene	12.610	202	309273	5.432	ng	99
77) Benzidine	12.733	184	64673	6.138	ng	99
78) Pyrene	12.839	202	315969	4.941	ng	99
80) Butylbenzylphthalate	13.457	149	117256	4.653	ng	99
81) Benzo(a)anthracene	14.021	228	255308	5.205	ng	100
82) 3,3'-Dichlorobenzidine	13.986	252	68969	4.865	ng	100
83) Chrysene	14.062	228	213144	4.837	ng	99
84) Bis(2-ethylhexyl)phtha...	14.015	149	167165	4.836	ng	99
85) Di-n-octyl phthalate	14.627	149	213395	4.435	ng	99
87) Indeno(1,2,3-cd)pyrene	16.980	276	144536	4.228	ng	99
88) Benzo(b)fluoranthene	15.068	252	187154	5.234	ng	99
89) Benzo(k)fluoranthene	15.098	252	153142	4.903	ng	99
90) Benzo(a)pyrene	15.439	252	137043	4.860	ng	99
91) Dibenzo(a,h)anthracene	16.998	278	119937	4.252	ng	99
92) Benzo(g,h,i)perylene	17.427	276	120142	4.294	ng	99

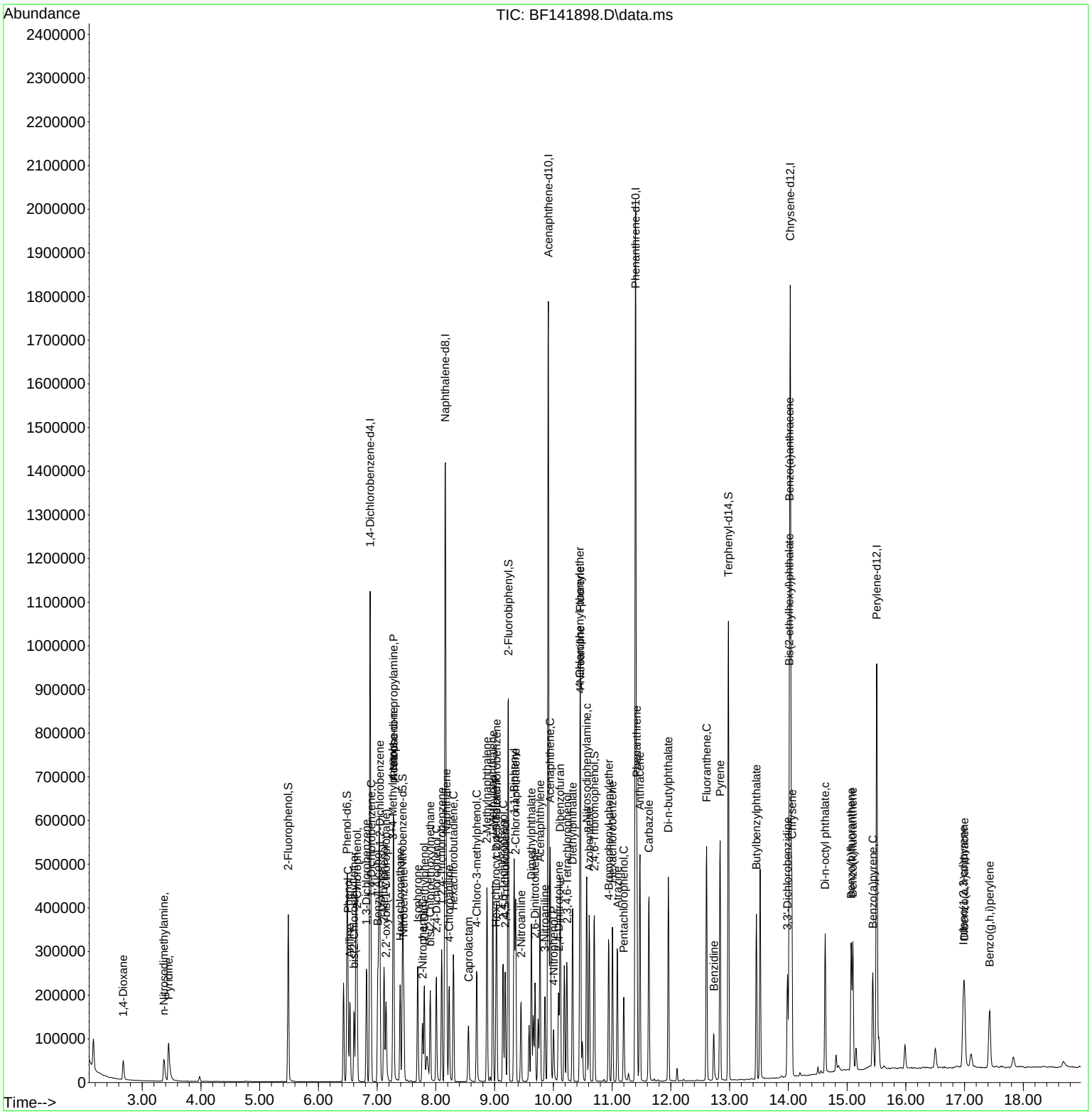
(#) = qualifier out of range (m) = manual integration (+) = signals summed

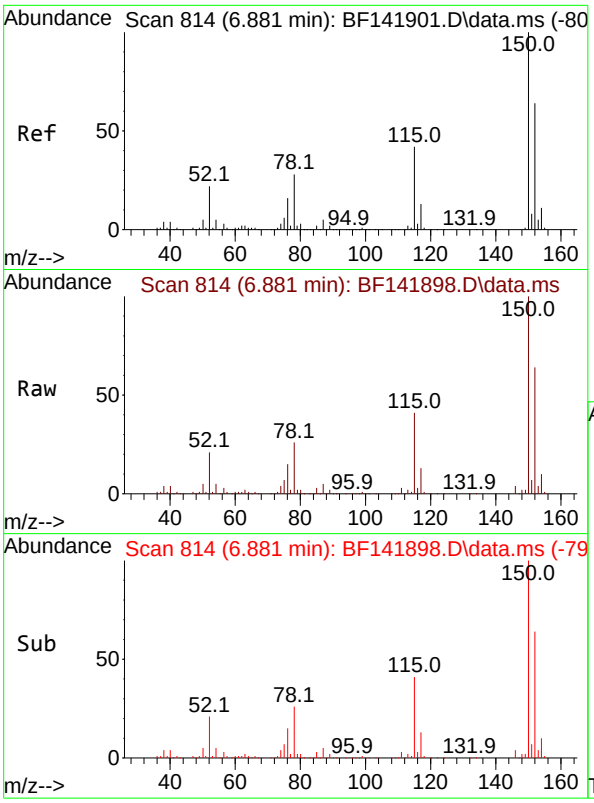
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141898.D
Acq On : 10 Mar 2025 11:30
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Mar 10 15:32:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration



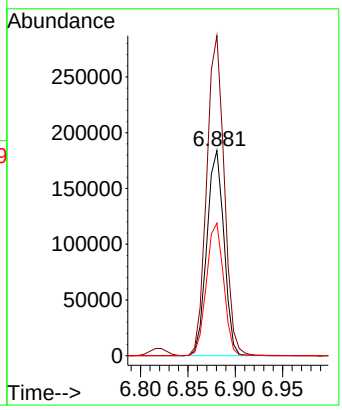


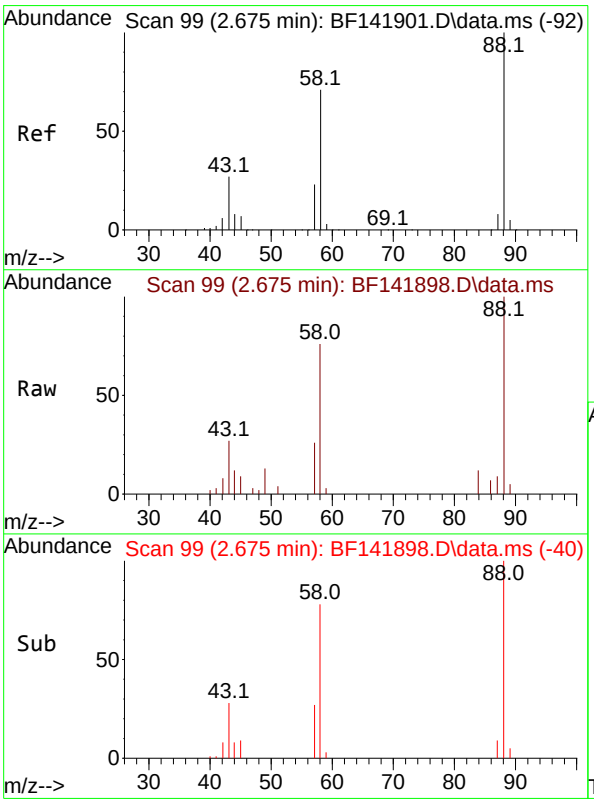
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 230406

Ion	Ratio	Lower	Upper
152	100		
150	155.9	127.4	191.2
115	64.6	51.9	77.9

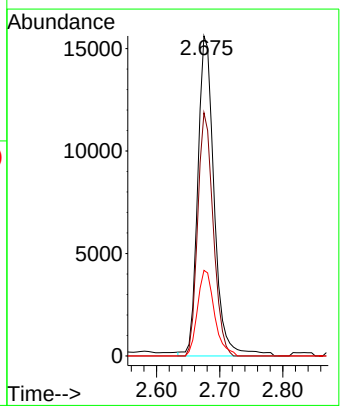


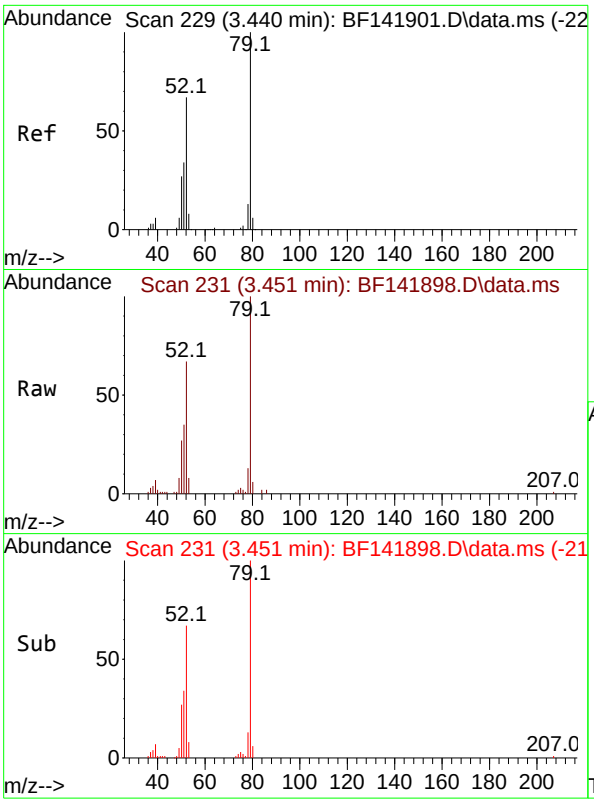


#2
1,4-Dioxane
Concen: 4.874 ng
RT: 2.675 min Scan# 99
Delta R.T. -0.000 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion: 88 Resp: 28210

Ion	Ratio	Lower	Upper
88	100		
58	71.4	57.4	86.2
43	27.5	21.5	32.3



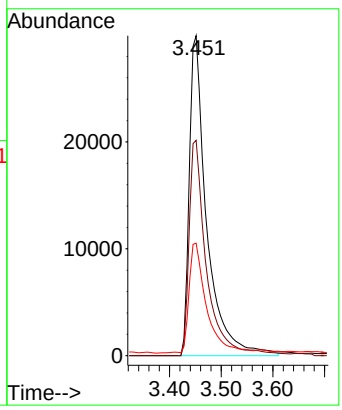


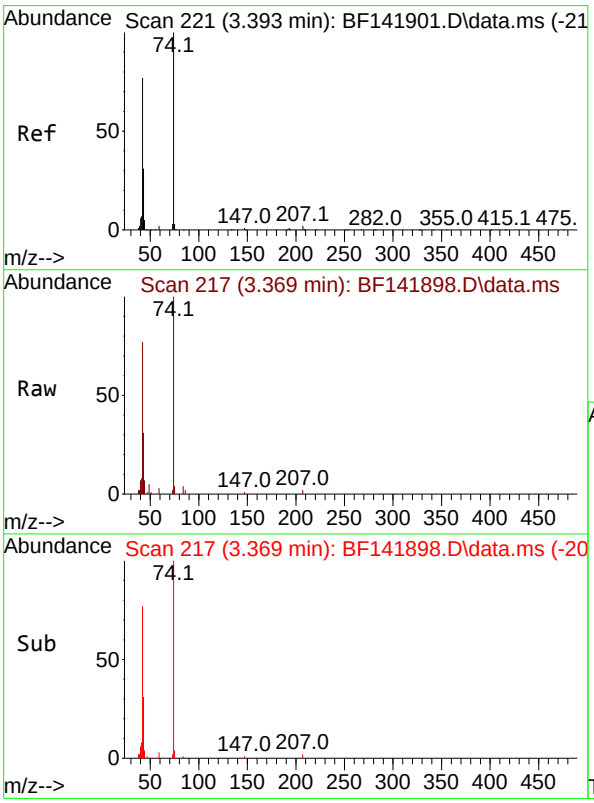
#3
Pyridine
Concen: 4.928 ng
RT: 3.451 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 70090

Ion	Ratio	Lower	Upper
79	100		
52	67.3	53.3	79.9
51	35.2	27.6	41.4

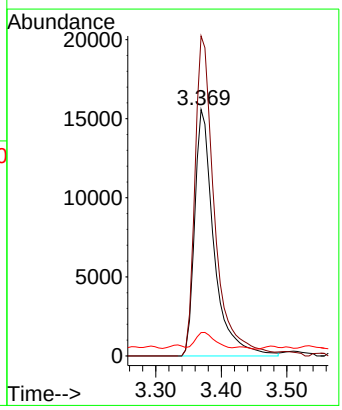


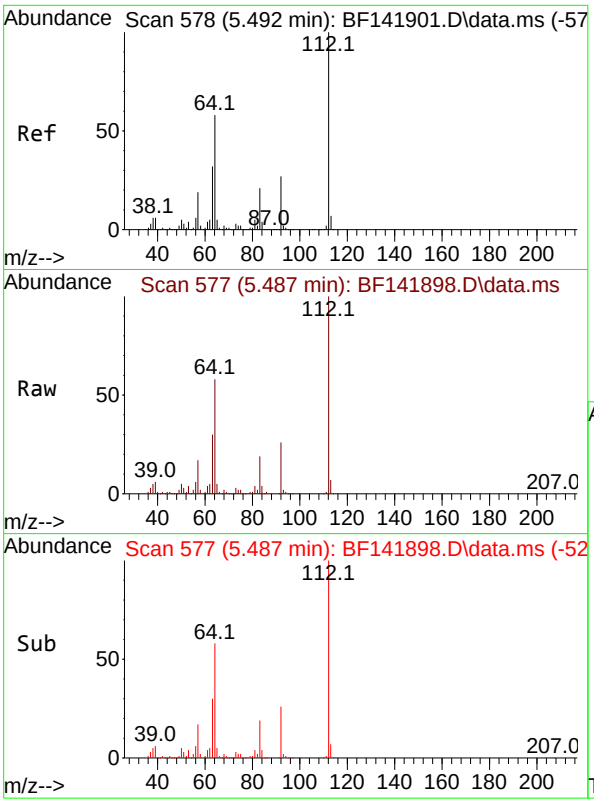


#4
n-Nitrosodimethylamine
Concen: 4.717 ng
RT: 3.369 min Scan# 217
Delta R.T. -0.024 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion: 42 Resp: 31893

Ion	Ratio	Lower	Upper
42	100		
74	129.9	103.4	155.0
44	9.5	5.0	7.4#



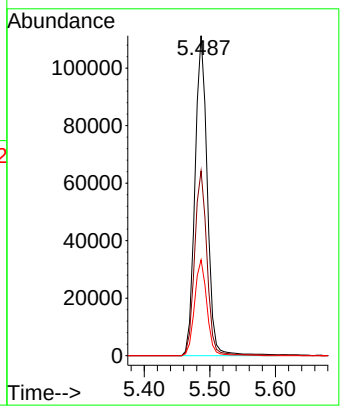


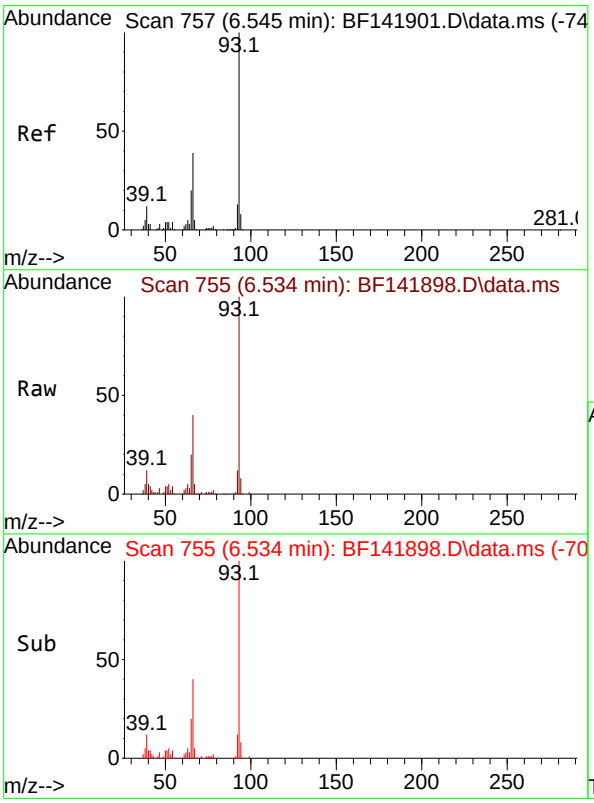
#5
2-Fluorophenol
Concen: 10.570 ng
RT: 5.487 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:112 Resp: 145959

Ion	Ratio	Lower	Upper
112	100		
64	57.8	46.5	69.7
63	29.9	25.4	38.2

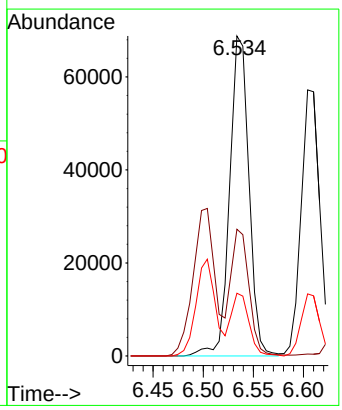


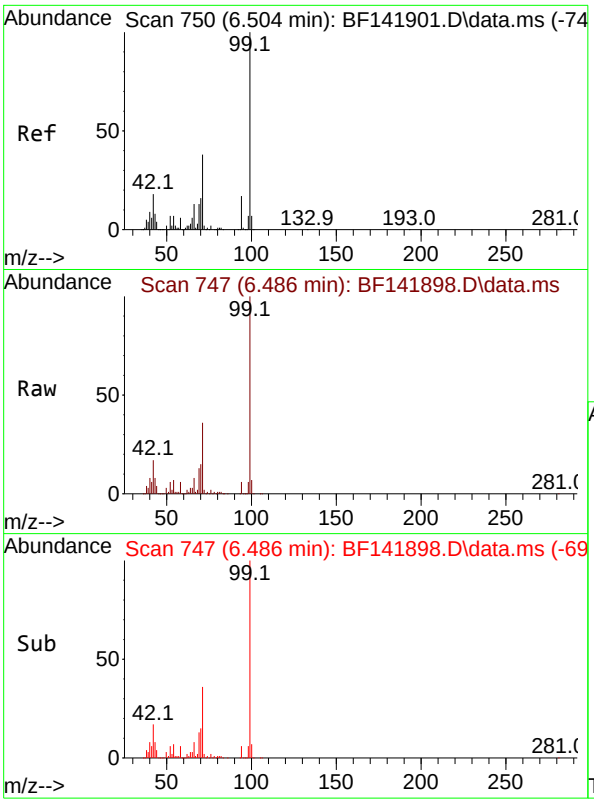


#6
Aniline
Concen: 5.305 ng
RT: 6.534 min Scan# 755
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion: 93 Resp: 92116

Ion	Ratio	Lower	Upper
93	100		
66	39.6	31.9	47.9
65	19.6	15.8	23.6



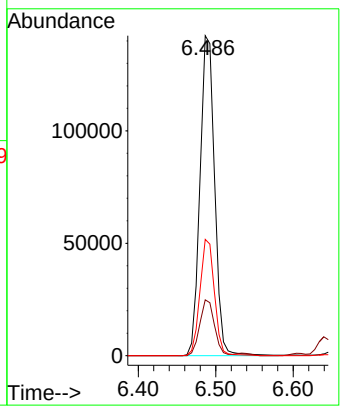


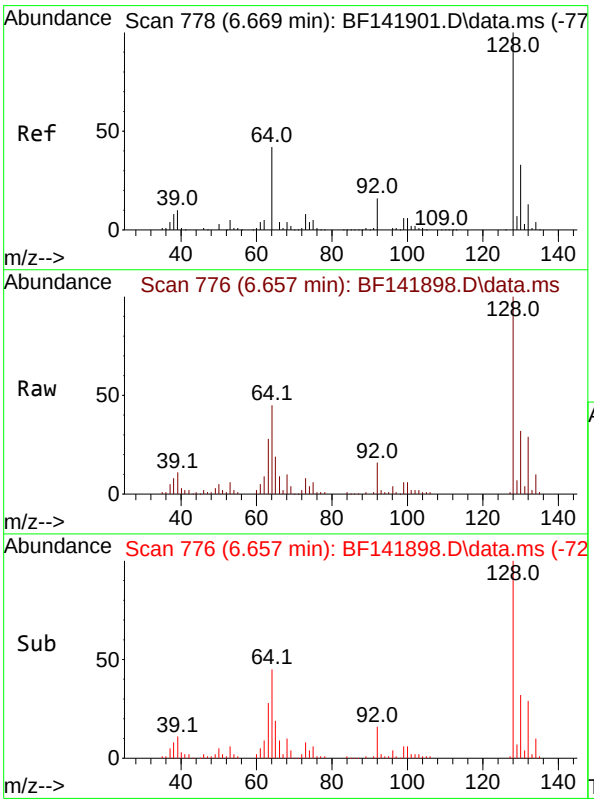
#7
Phenol-d6
Concen: 10.630 ng
RT: 6.486 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 99 Resp: 186951

Ion	Ratio	Lower	Upper
99	100		
42	17.5	14.6	21.8
71	36.4	30.8	46.2

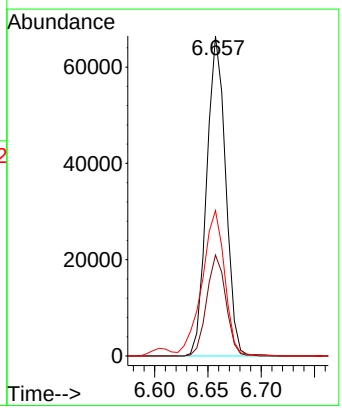


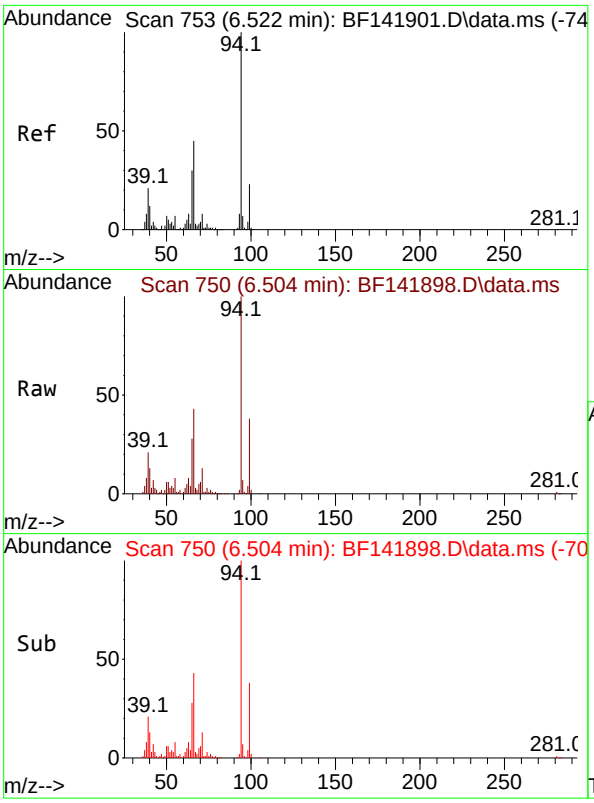


#8
2-Chlorophenol
Concen: 5.347 ng
RT: 6.657 min Scan# 776
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:128 Resp: 81845

Ion	Ratio	Lower	Upper
128	100		
130	31.5	12.8	52.8
64	45.5	24.4	64.4



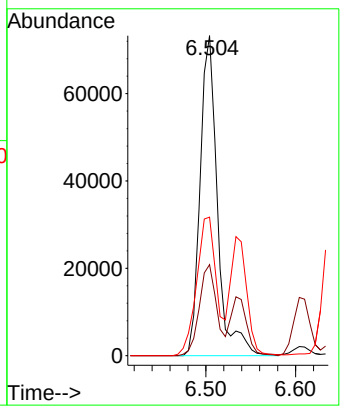


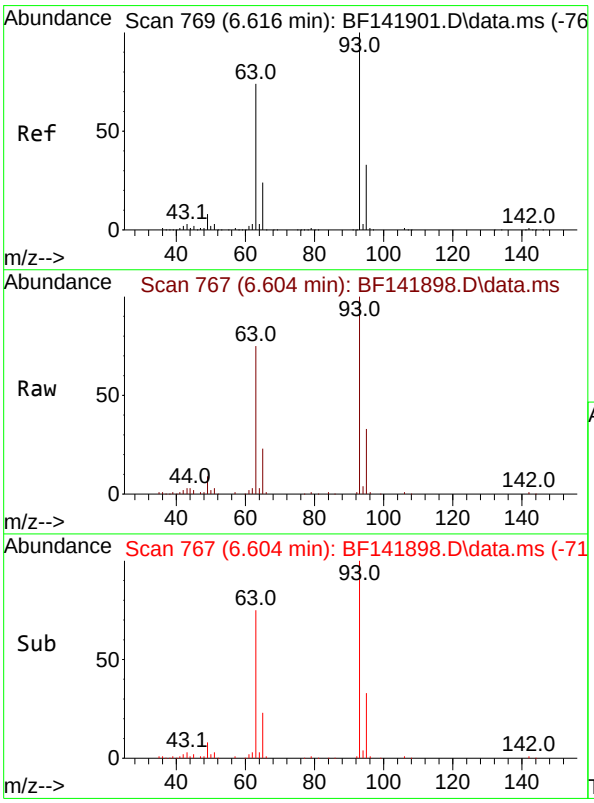
#10
Phenol
Concen: 5.301 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 94 Resp: 98369

Ion	Ratio	Lower	Upper
94	100		
65	28.4	10.5	50.5
66	43.3	25.8	65.8

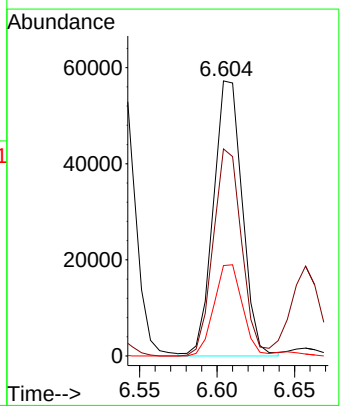


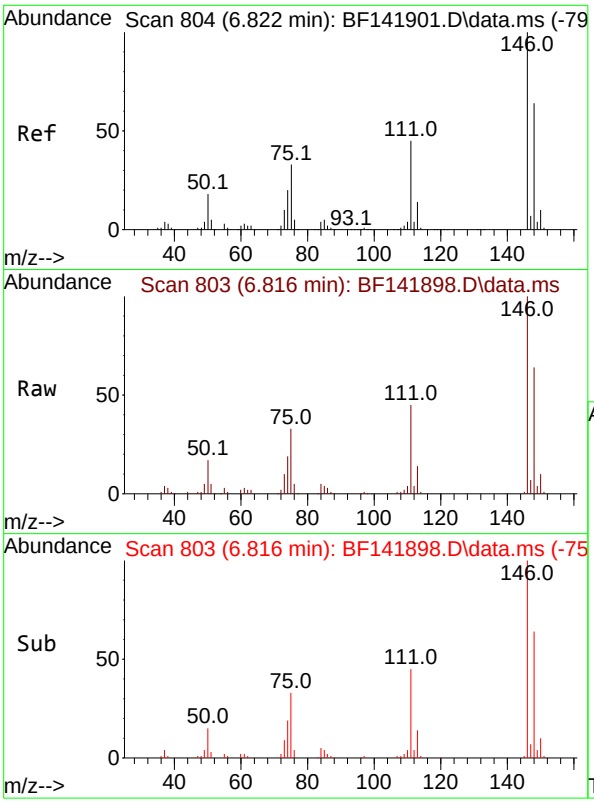


#11
bis(2-Chloroethyl)ether
Concen: 5.334 ng
RT: 6.604 min Scan# 767
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion: 93 Resp: 74158

Ion	Ratio	Lower	Upper
93	100		
63	75.3	53.0	93.0
95	32.9	12.9	52.9



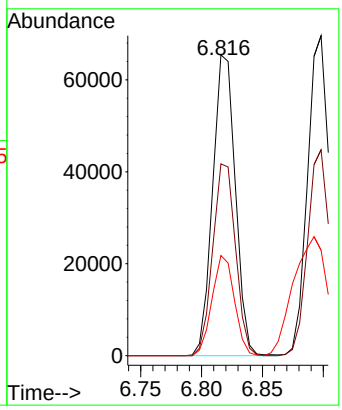


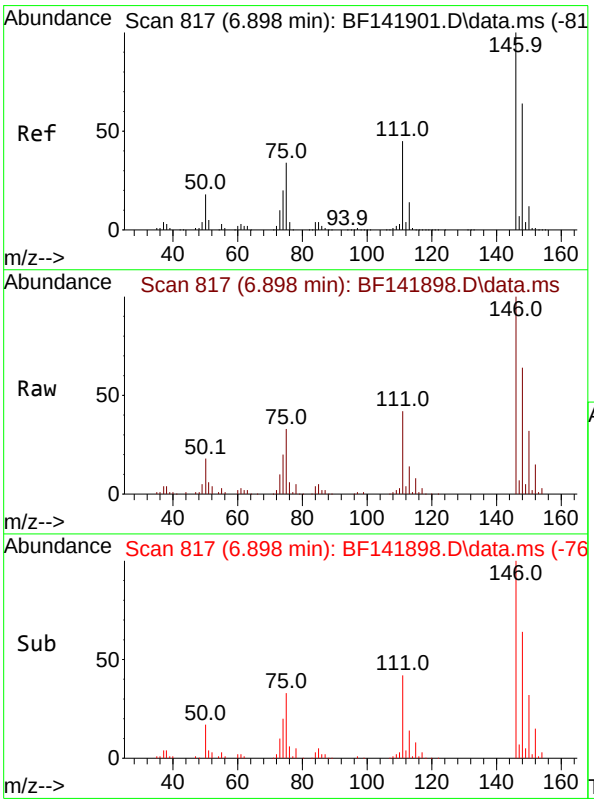
#12
1,3-Dichlorobenzene
Concen: 5.136 ng
RT: 6.816 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:146 Resp: 84952

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.3	76.9
75	33.3	26.6	40.0

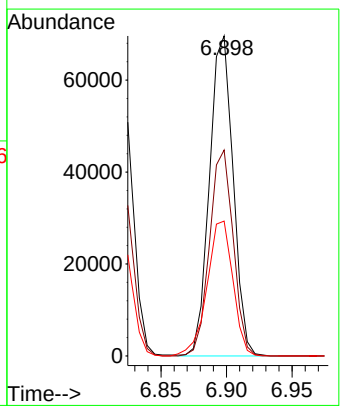


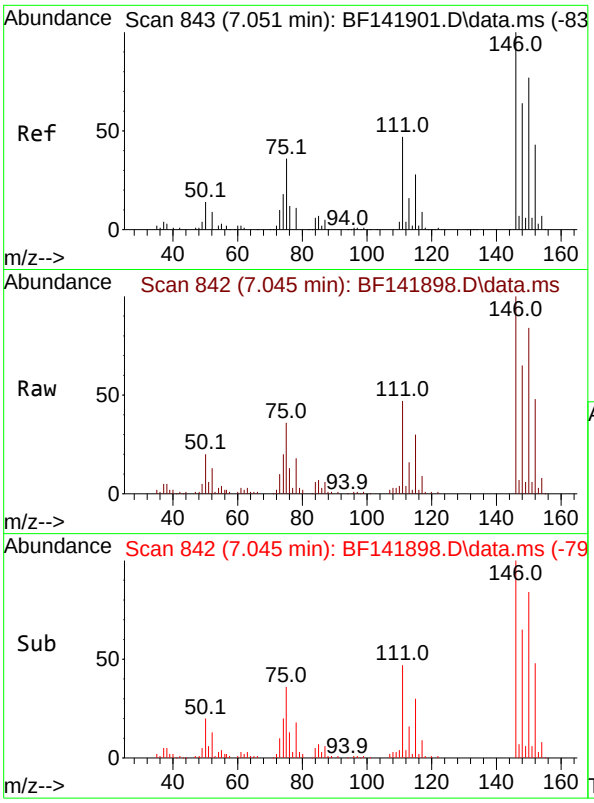


#13
1,4-Dichlorobenzene
Concen: 5.213 ng
RT: 6.898 min Scan# 817
Delta R.T. -0.000 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:146 Resp: 87237

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.0	76.6
111	42.2	35.7	53.5



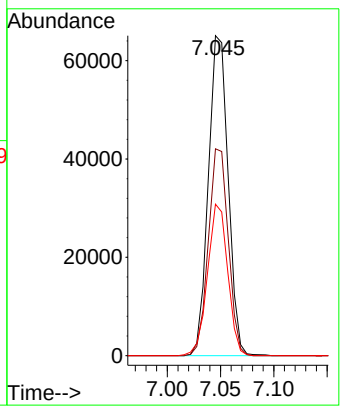


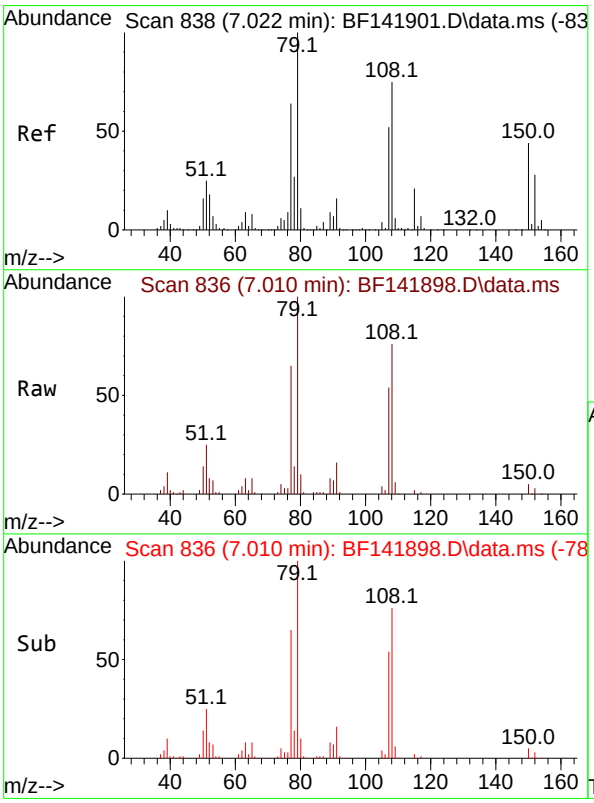
#14
1,2-Dichlorobenzene
Concen: 5.342 ng
RT: 7.045 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:146 Resp: 84183

Ion	Ratio	Lower	Upper
146	100		
148	64.7	50.8	76.2
111	47.4	38.0	57.0

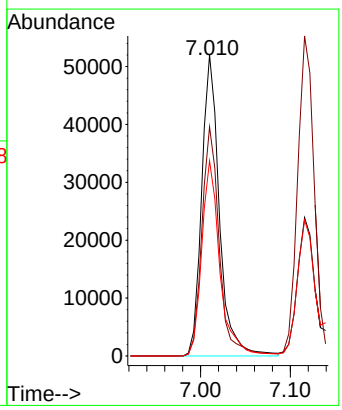


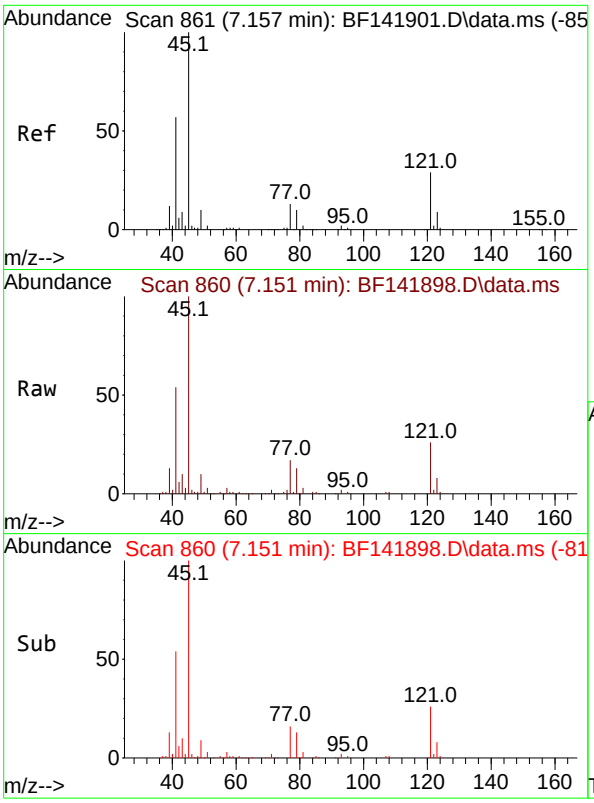


#15
Benzyl Alcohol
Concen: 5.000 ng
RT: 7.010 min Scan# 836
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion: 79 Resp: 71182

Ion	Ratio	Lower	Upper
79	100		
108	76.1	59.7	89.5
77	64.8	51.0	76.6



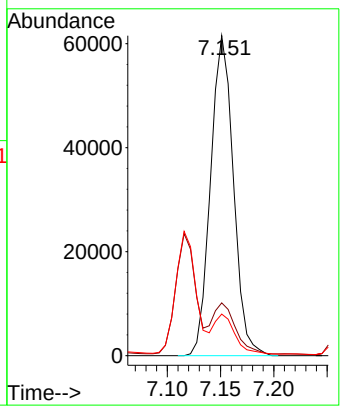


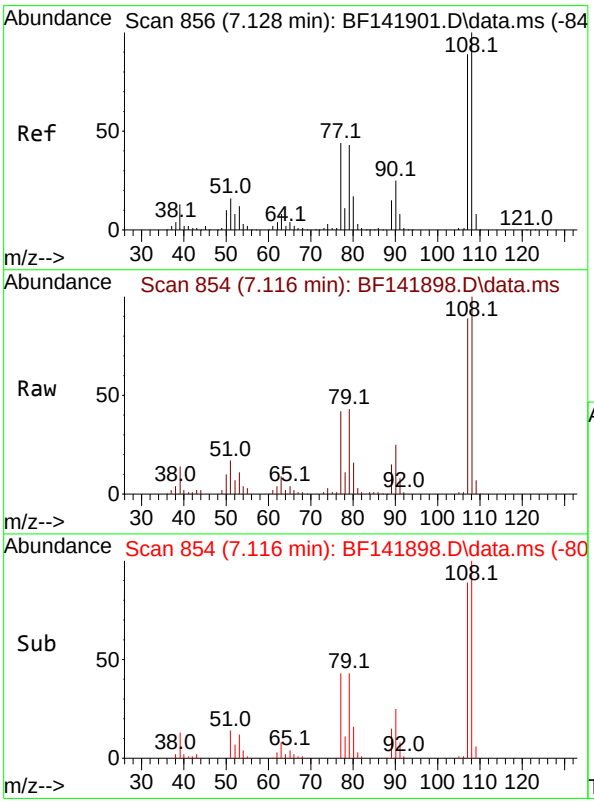
#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.470 ng
RT: 7.151 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 45 Resp: 91659

Ion	Ratio	Lower	Upper
45	100		
77	16.5	0.0	37.8
79	13.0	0.0	34.2

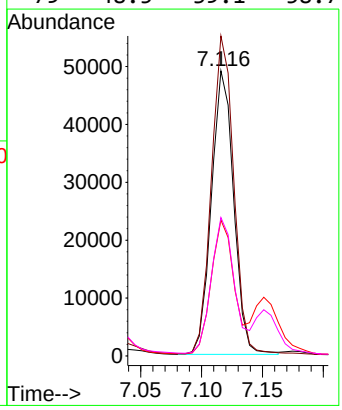


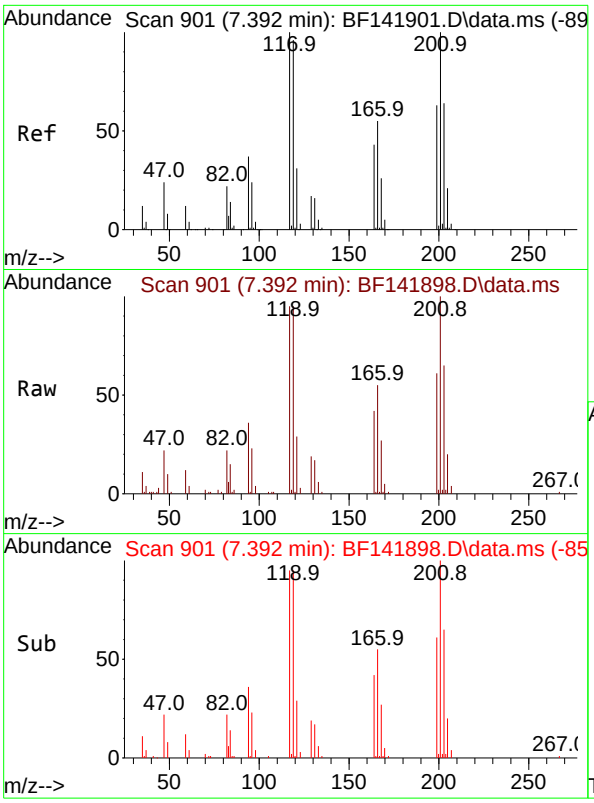


#17
2-Methylphenol
Concen: 5.114 ng
RT: 7.116 min Scan# 854
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:107 Resp: 62211

Ion	Ratio	Lower	Upper
107	100		
108	112.2	90.2	135.2
77	47.6	39.6	59.4
79	48.5	39.1	58.7



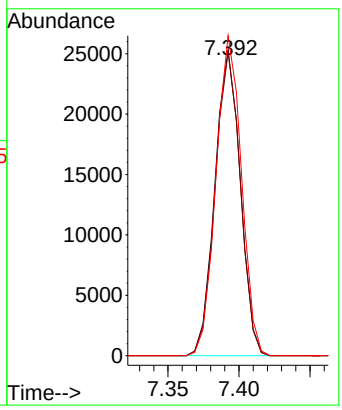


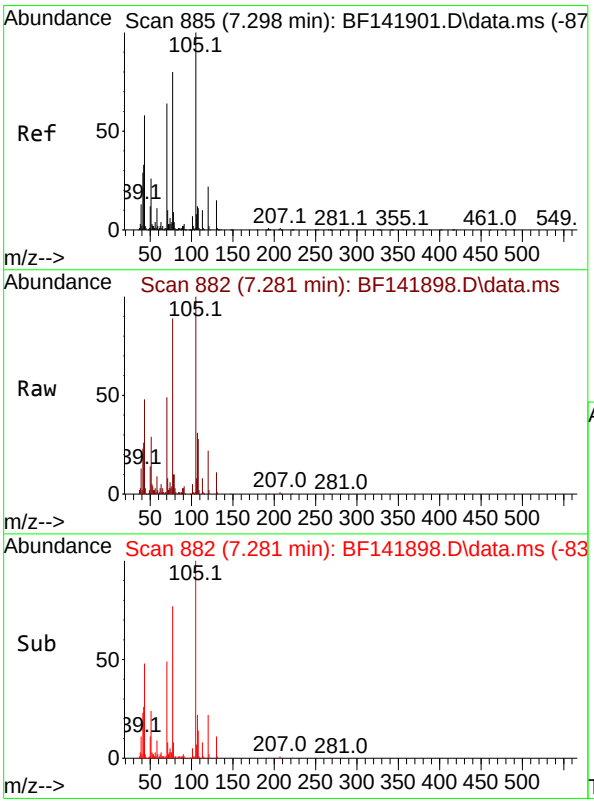
#18
Hexachloroethane
Concen: 5.000 ng
RT: 7.392 min Scan# 9(
Delta R.T. -0.000 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:117 Resp: 31373

Ion	Ratio	Lower	Upper
117	100		
119	99.3	76.9	115.3
201	104.7	79.9	119.9

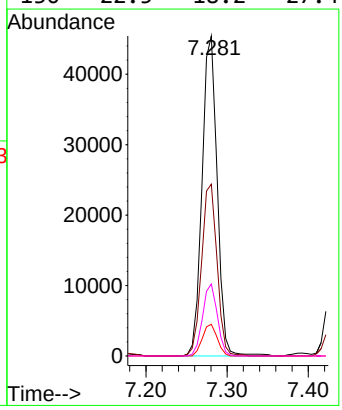


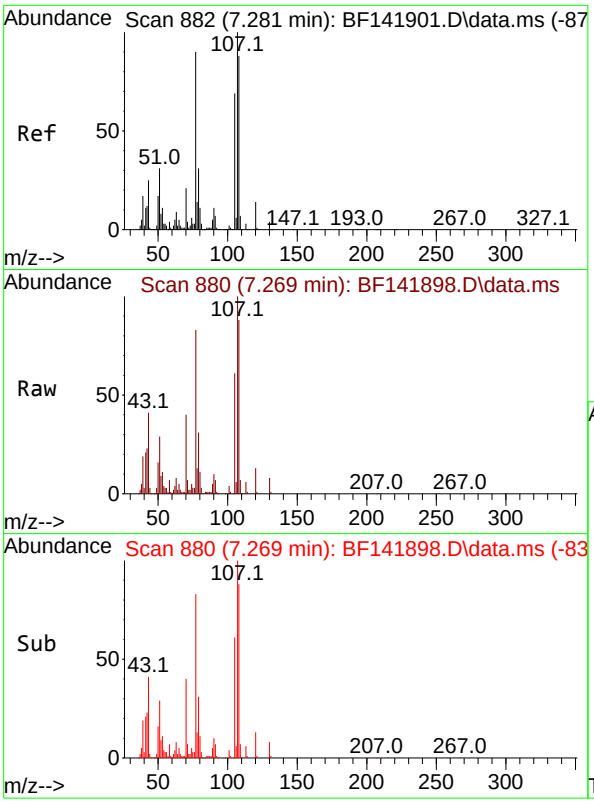


#19
n-Nitroso-di-n-propylamine
Concen: 5.218 ng
RT: 7.281 min Scan# 882
Delta R.T. -0.018 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion: 70 Resp: 58981

Ion	Ratio	Lower	Upper
70	100		
42	53.7	41.4	62.0
101	9.9	8.2	12.2
130	22.5	18.2	27.4



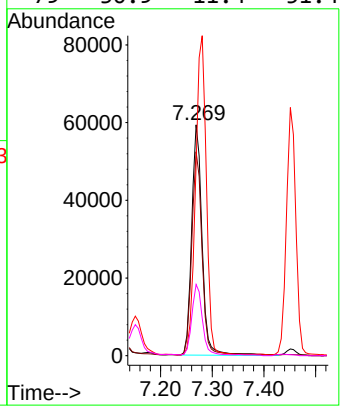


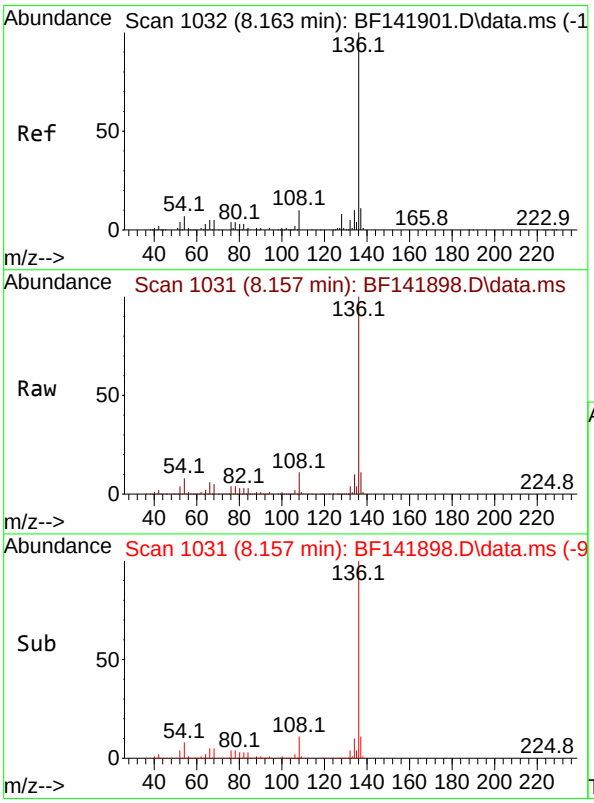
#20
3+4-Methylphenols
Concen: 5.349 ng
RT: 7.269 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:107 Resp: 83461

Ion	Ratio	Lower	Upper
107	100		
108	88.4	68.4	108.4
77	83.1	69.7	109.7
79	30.9	11.4	51.4

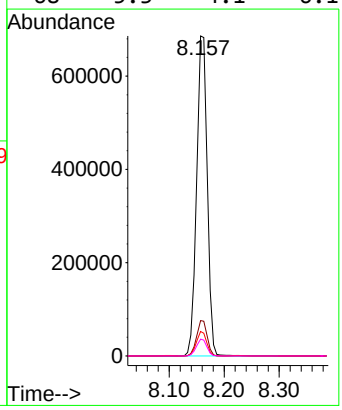


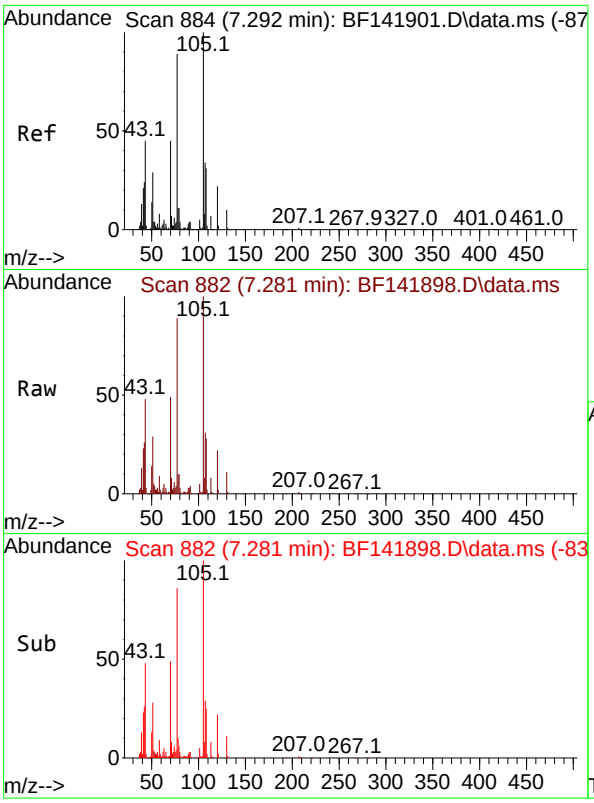


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:136 Resp: 926118

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	7.7	5.8	8.8
68	5.3	4.1	6.1



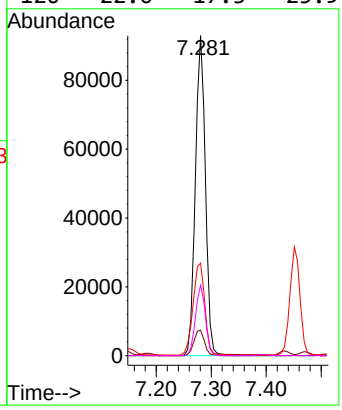


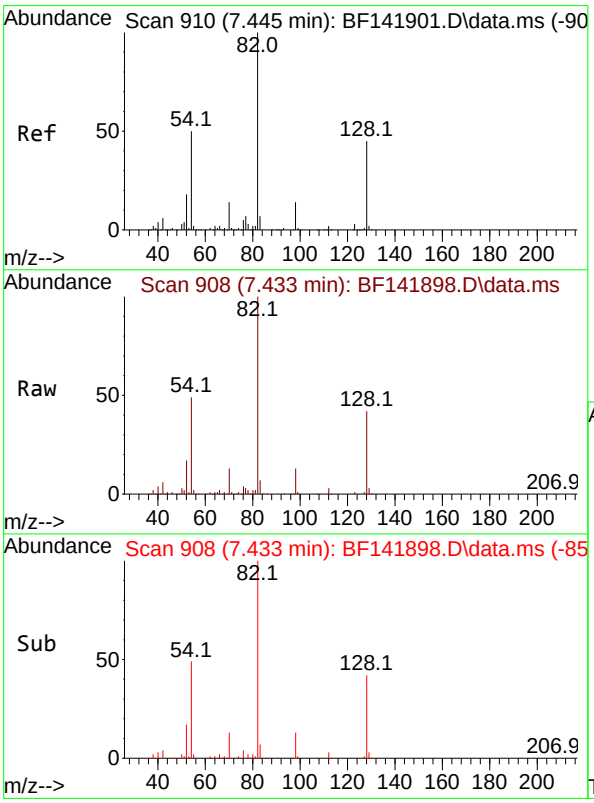
#22
Acetophenone
Concen: 5.358 ng
RT: 7.281 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:105 Resp: 119040

Ion	Ratio	Lower	Upper
105	100		
71	8.0	5.8	8.8
51	29.0	23.4	35.0
120	22.0	17.3	25.9

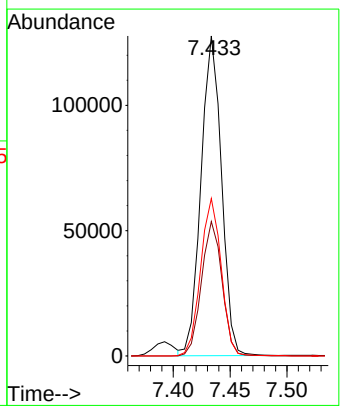


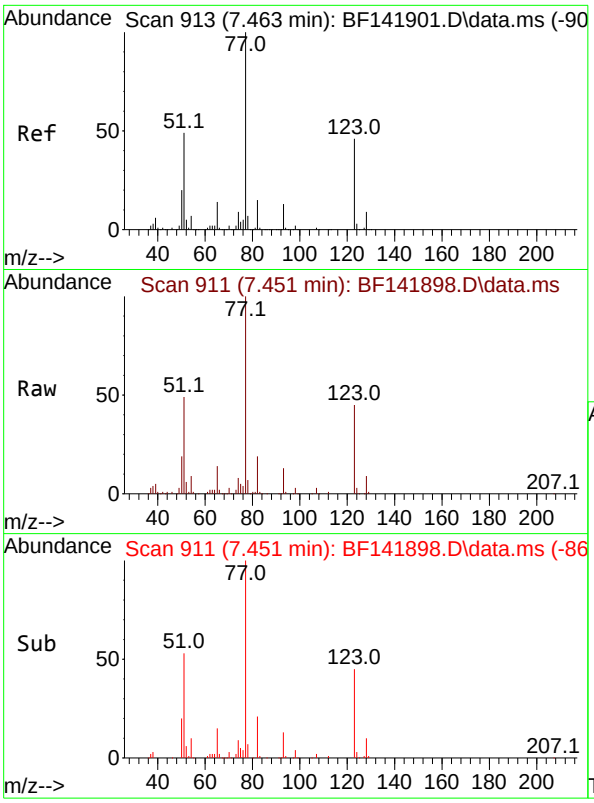


#23
Nitrobenzene-d5
Concen: 9.670 ng
RT: 7.433 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion: 82 Resp: 159777

Ion	Ratio	Lower	Upper
82	100		
128	42.0	36.0	54.0
54	49.2	39.6	59.4



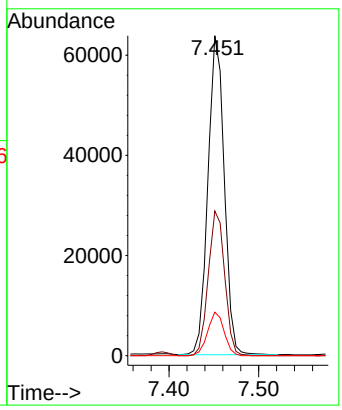


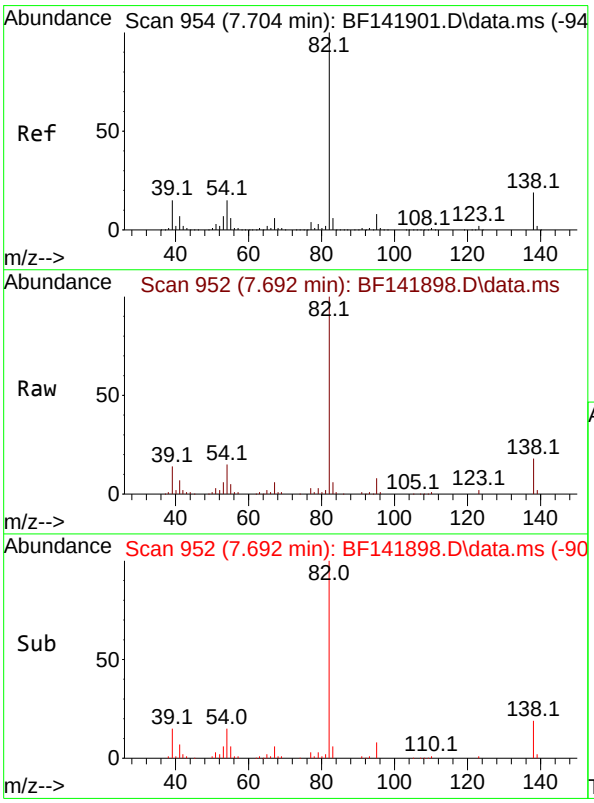
#24
Nitrobenzene
Concen: 4.904 ng
RT: 7.451 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 77 Resp: 80338

Ion	Ratio	Lower	Upper
77	100		
123	45.2	37.0	55.4
65	13.6	11.3	16.9

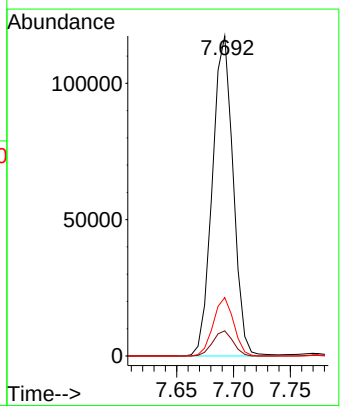


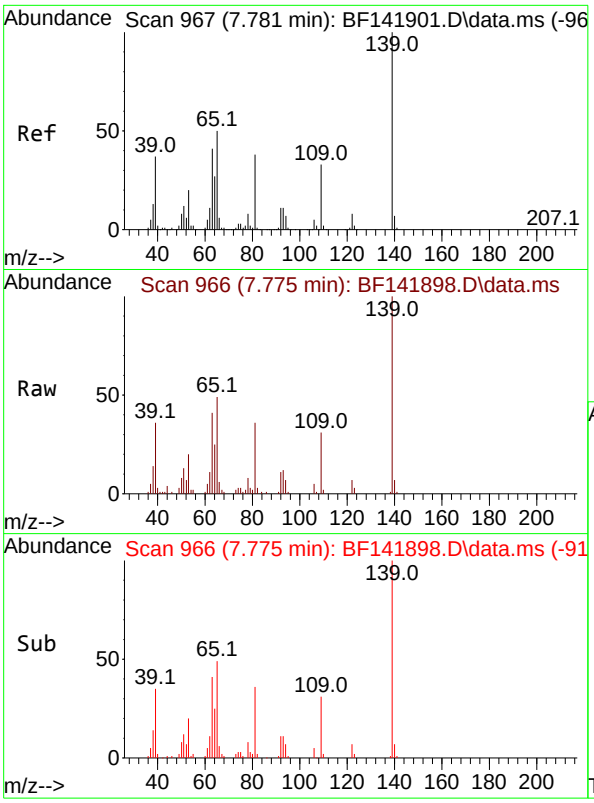


#25
Isophorone
Concen: 5.135 ng
RT: 7.692 min Scan# 952
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion: 82 Resp: 149807

Ion	Ratio	Lower	Upper
82	100		
95	7.8	6.4	9.6
138	18.3	14.9	22.3



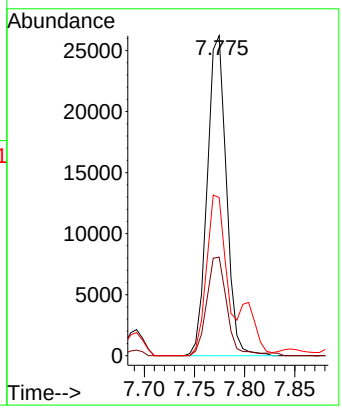


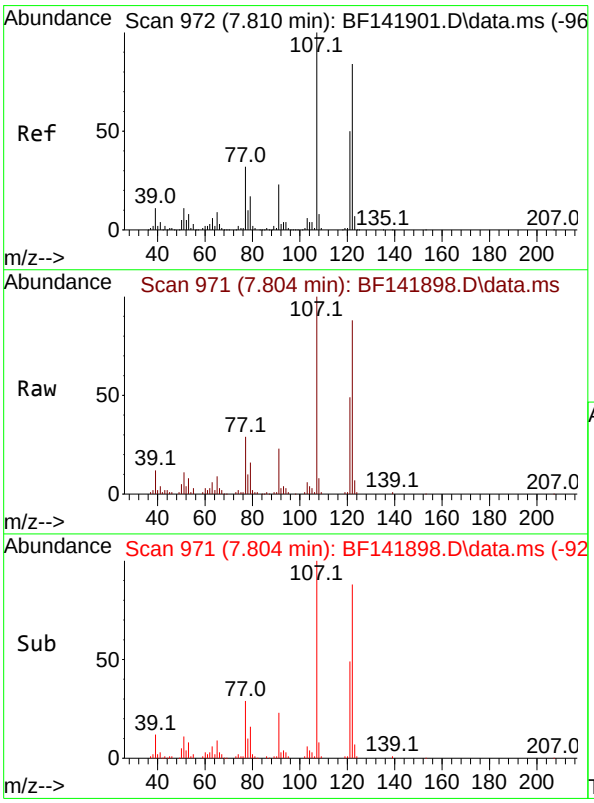
#26
2-Nitrophenol
Concen: 4.329 ng
RT: 7.775 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:139 Resp: 34757

Ion	Ratio	Lower	Upper
139	100		
109	30.8	26.5	39.7
65	49.4	40.3	60.5

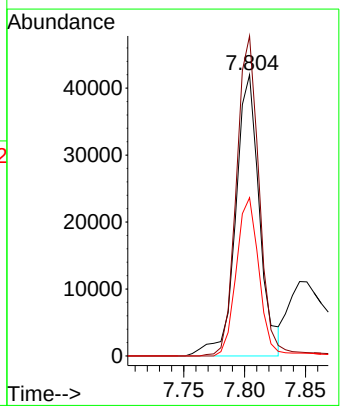


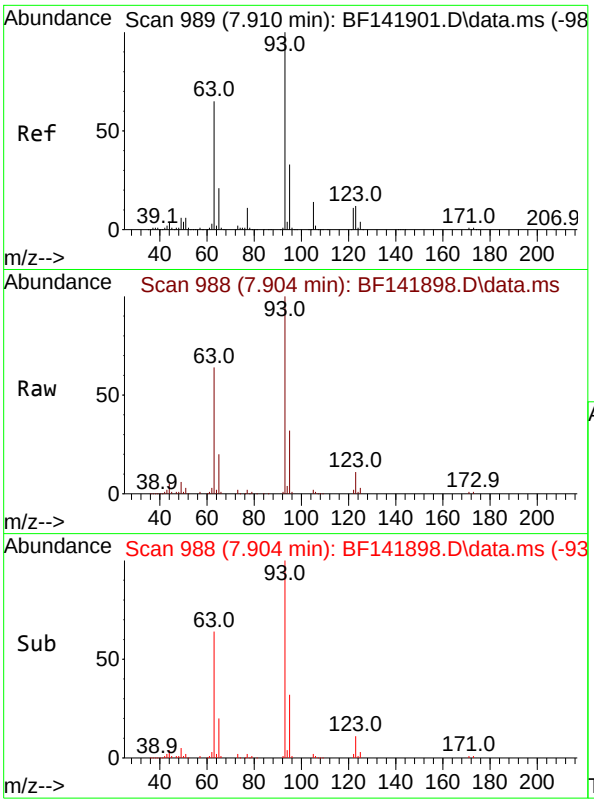


#27
2,4-Dimethylphenol
Concen: 5.164 ng
RT: 7.804 min Scan# 971
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:122 Resp: 57106

Ion	Ratio	Lower	Upper
122	100		
107	113.8	94.8	142.2
121	56.3	47.8	71.6



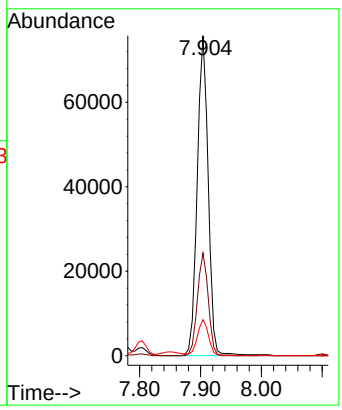


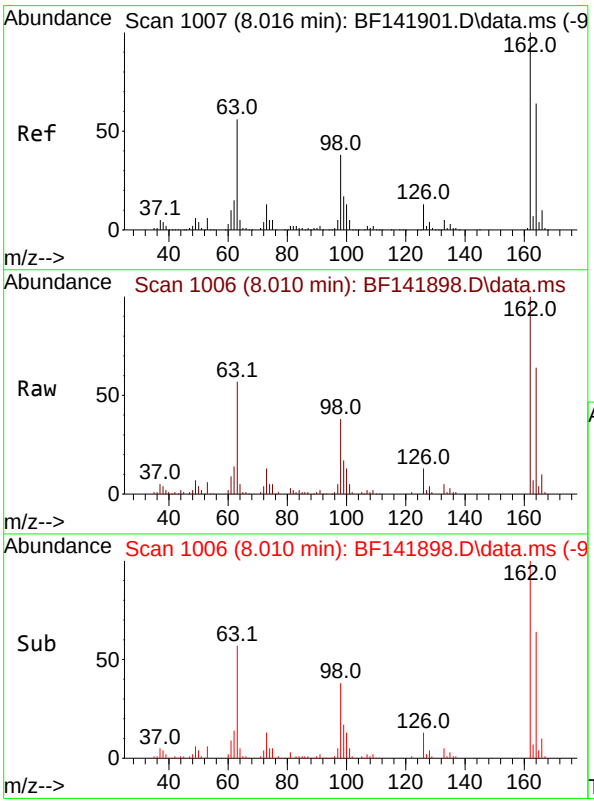
#28
bis(2-Chloroethoxy)methane
Concen: 5.210 ng
RT: 7.904 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 95214

Ion	Ratio	Lower	Upper
93	100		
95	32.1	26.6	40.0
123	11.3	10.2	15.4

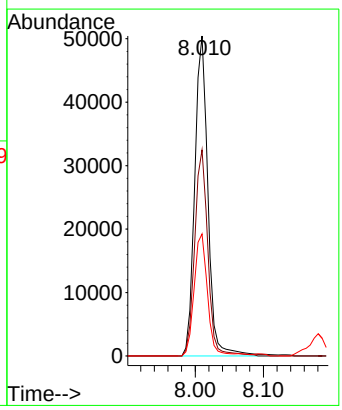


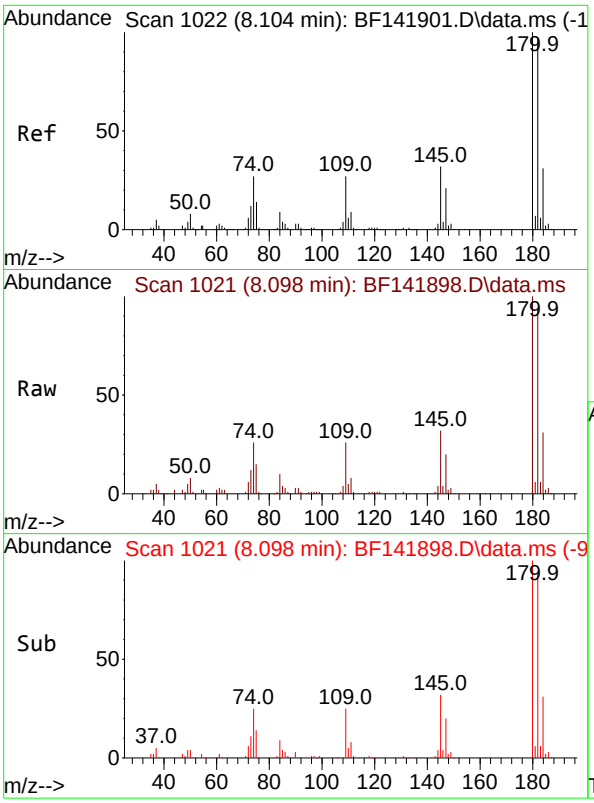


#29
2,4-Dichlorophenol
Concen: 4.934 ng
RT: 8.010 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:162 Resp: 67710

Ion	Ratio	Lower	Upper
162	100		
164	64.4	43.8	83.8
98	38.2	18.1	58.1



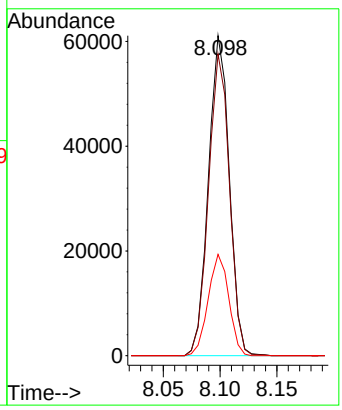


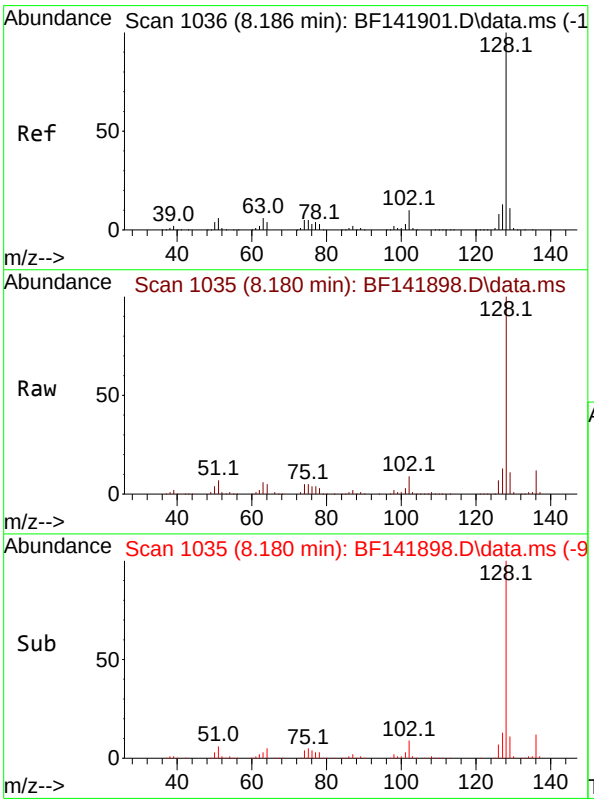
#30
1,2,4-Trichlorobenzene
Concen: 5.160 ng
RT: 8.098 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:180 Resp: 78127

Ion	Ratio	Lower	Upper
180	100		
182	94.3	77.5	116.3
145	31.6	25.8	38.6

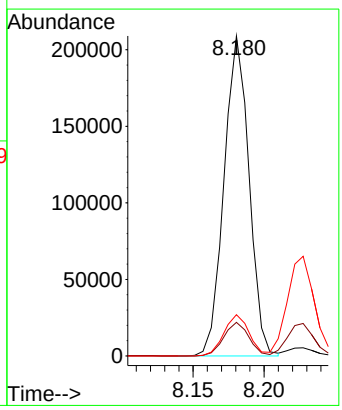


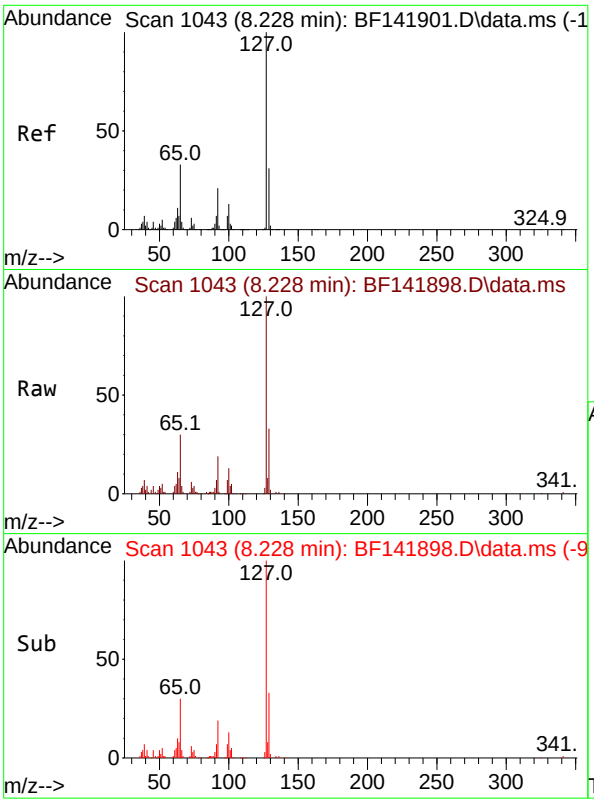


#31
Naphthalene
Concen: 5.388 ng
RT: 8.180 min Scan# 1035
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:128 Resp: 255632

Ion	Ratio	Lower	Upper
128	100		
129	10.5	9.0	13.6
127	12.9	10.8	16.2



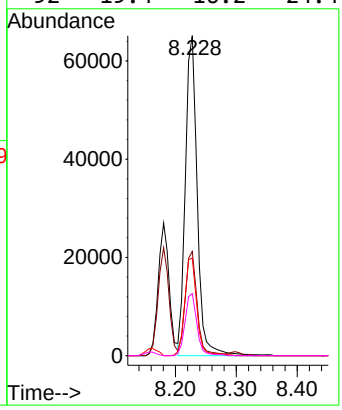


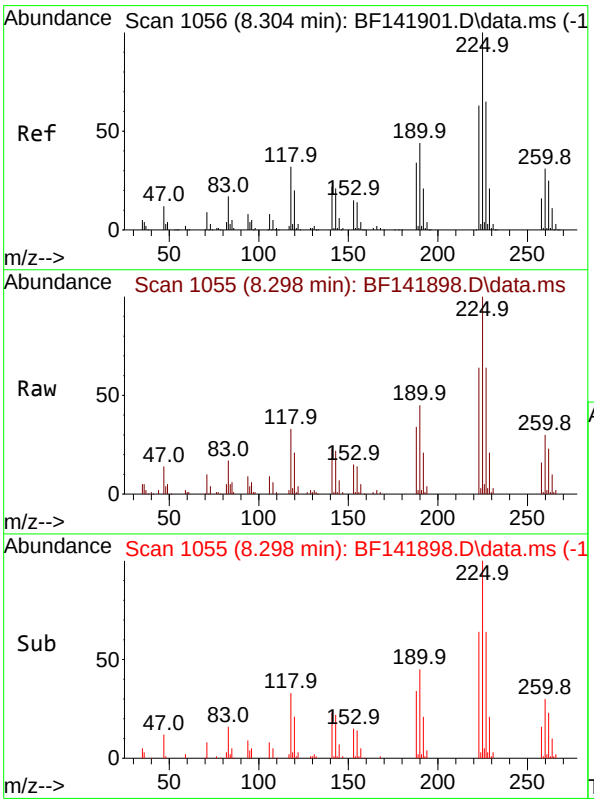
#33
4-Chloroaniline
Concen: 5.294 ng
RT: 8.228 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:127 Resp: 88635

Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.2	39.4
65	30.5	25.4	38.2
92	19.4	16.2	24.4

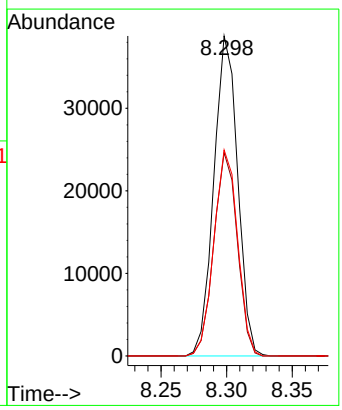


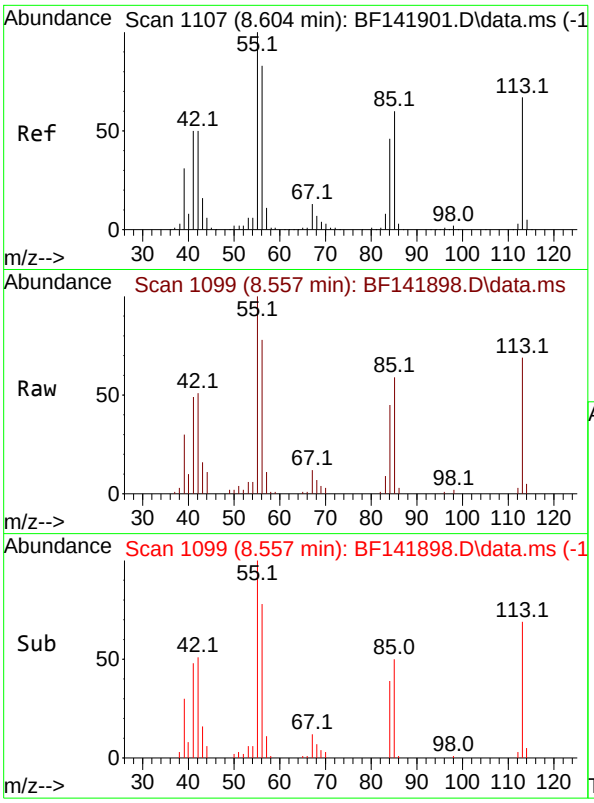


#34
Hexachlorobutadiene
Concen: 4.966 ng
RT: 8.298 min Scan# 1055
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:225 Resp: 48885

Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.6	75.8
227	64.4	52.2	78.2



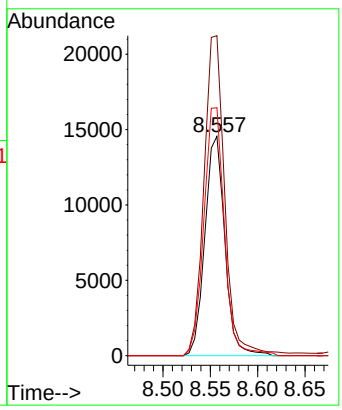


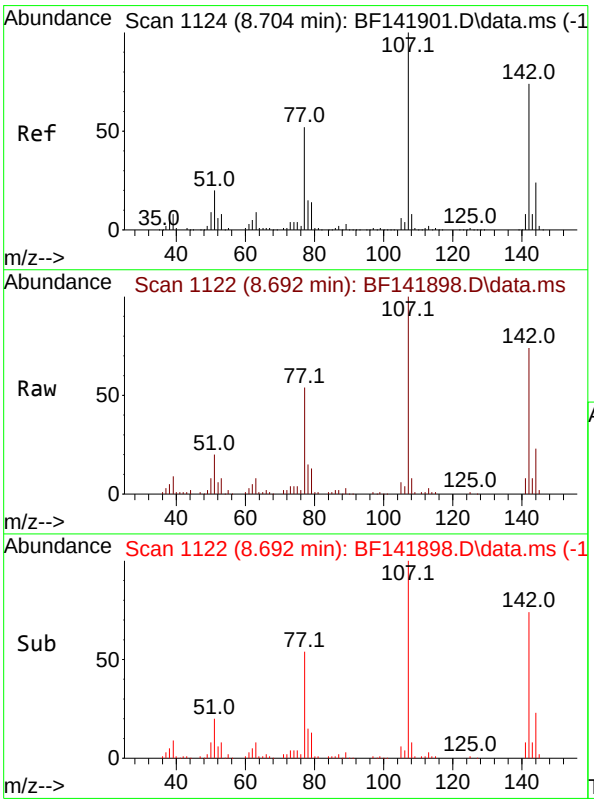
#35
Caprolactam
Concen: 5.118 ng
RT: 8.557 min Scan# 1
Delta R.T. -0.047 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:113 Resp: 21358

Ion	Ratio	Lower	Upper
113	100		
55	145.9	129.6	169.6
56	113.1	104.0	144.0

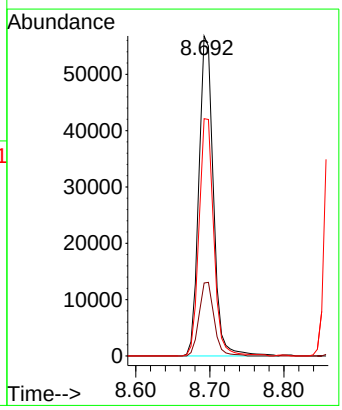


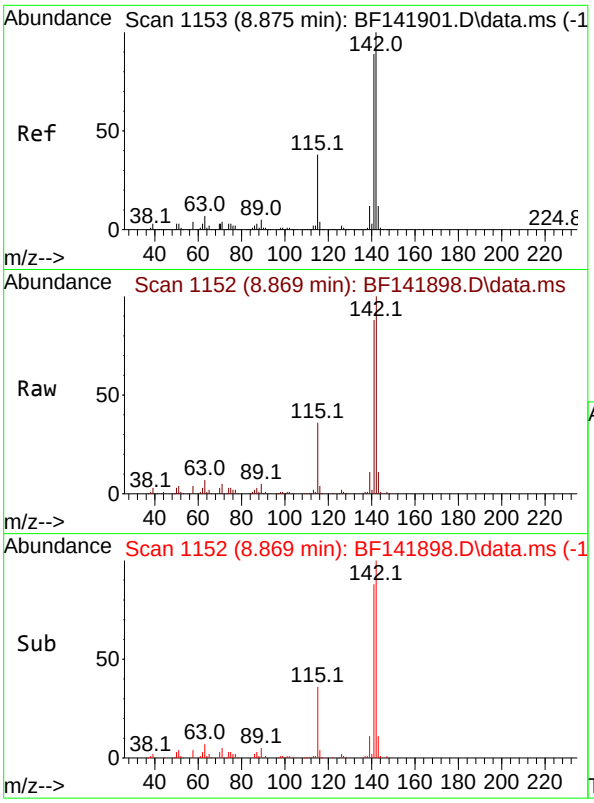


#36
4-Chloro-3-methylphenol
Concen: 5.070 ng
RT: 8.692 min Scan# 1122
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:107 Resp: 77370

Ion	Ratio	Lower	Upper
107	100		
144	22.8	19.0	28.6
142	74.2	59.2	88.8



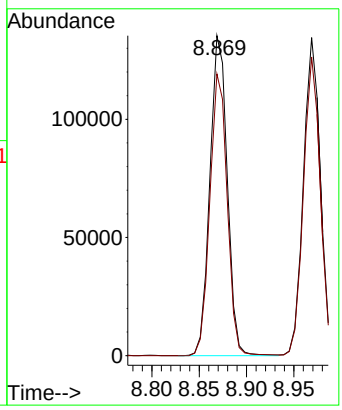


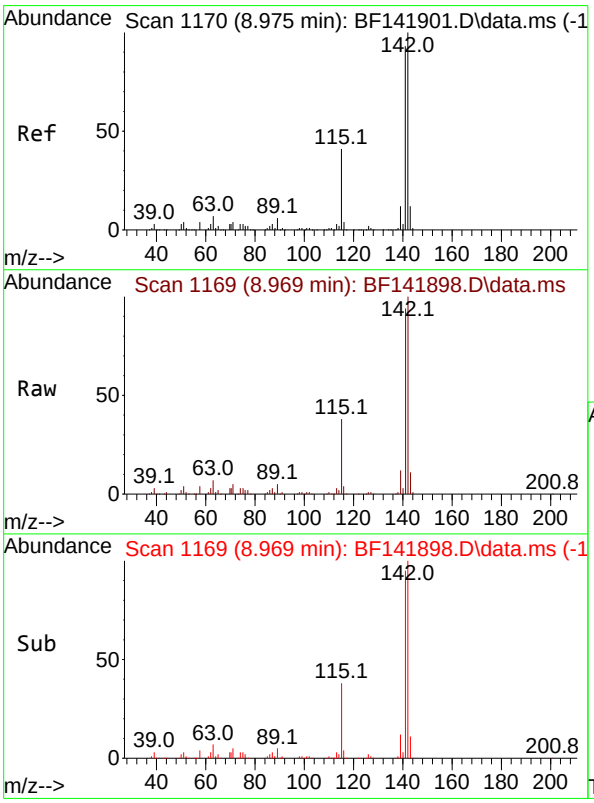
#37
2-Methylnaphthalene
Concen: 5.427 ng
RT: 8.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:142 Resp: 172734

Ion	Ratio	Lower	Upper
142	100		
141	88.1	71.2	106.8

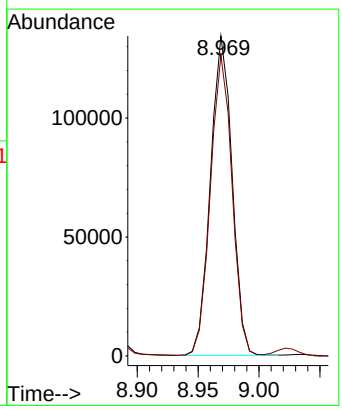


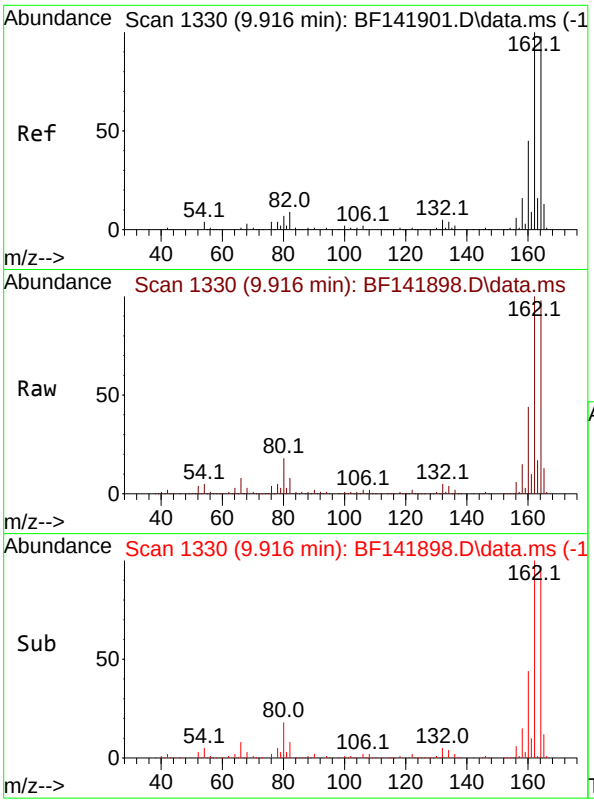


#38
1-Methylnaphthalene
Concen: 5.387 ng
RT: 8.969 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:142 Resp: 166050

Ion	Ratio	Lower	Upper
142	100		
141	93.9	74.2	111.4



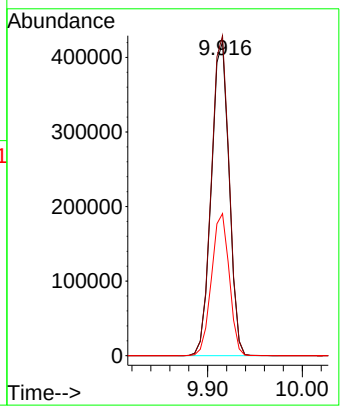


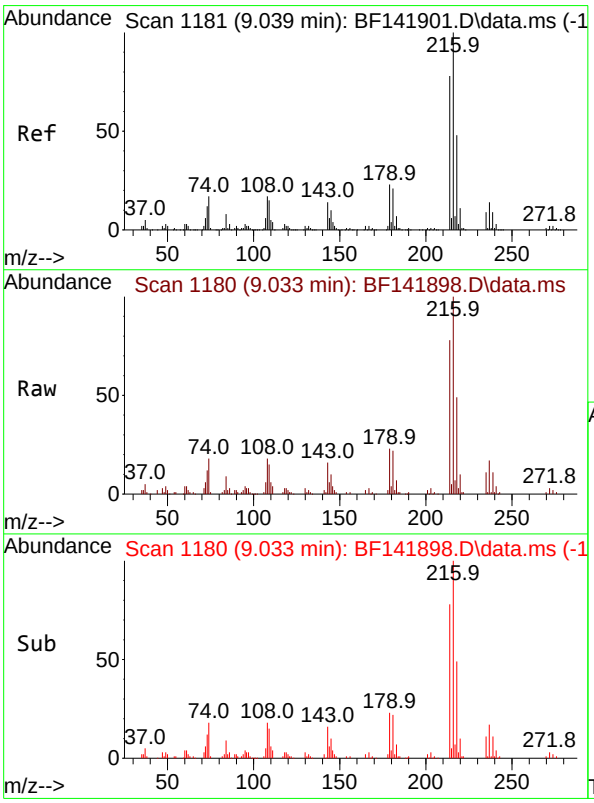
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:164 Resp: 546702

Ion	Ratio	Lower	Upper
164	100		
162	101.8	81.8	122.6
160	45.2	36.7	55.1

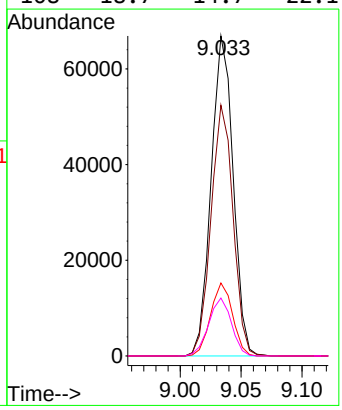


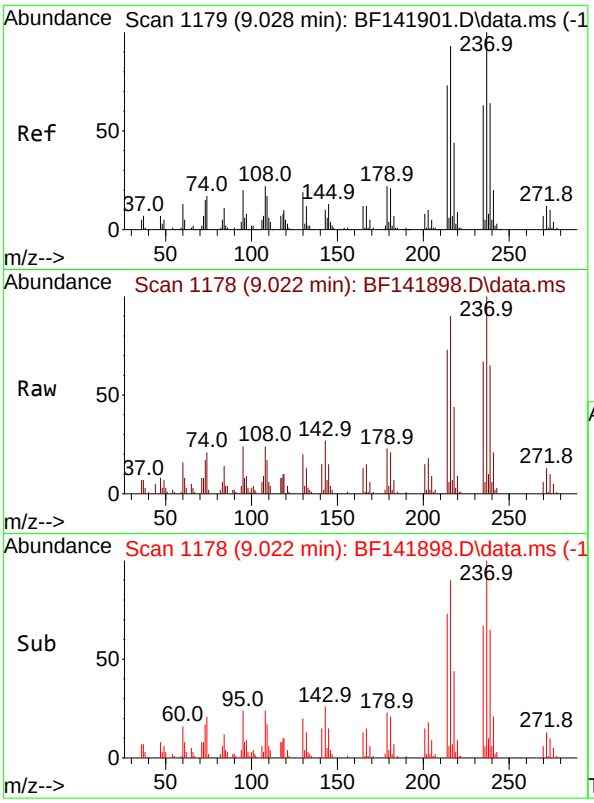


#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.041 ng
RT: 9.033 min Scan# 1180
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:216 Resp: 84034

Ion	Ratio	Lower	Upper
216	100		
214	78.6	61.9	92.9
179	22.8	18.1	27.1
108	18.7	14.7	22.1



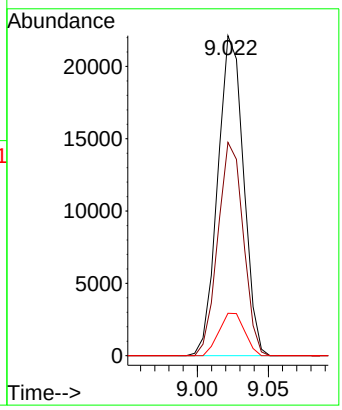


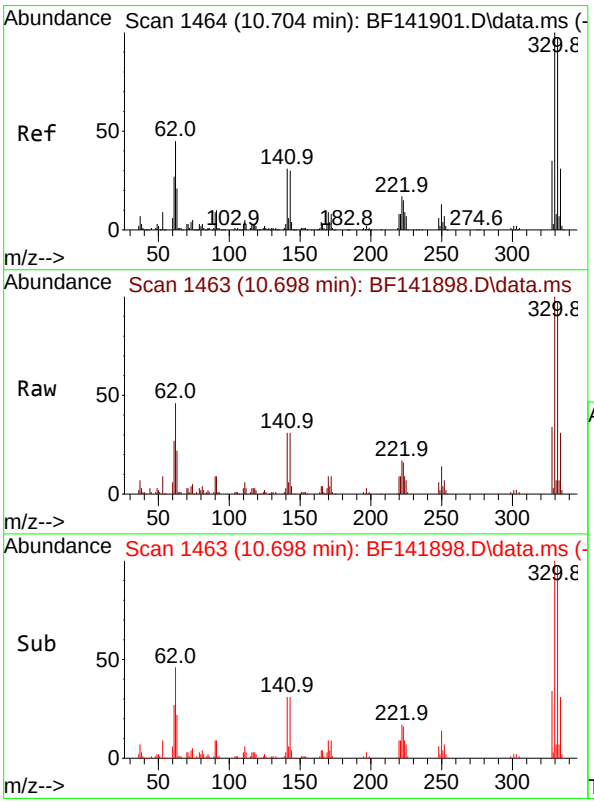
#41
Hexachlorocyclopentadiene
Concen: 4.246 ng
RT: 9.022 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:237 Resp: 27931

Ion	Ratio	Lower	Upper
237	100		
235	66.6	43.1	83.1
272	13.2	0.0	32.0

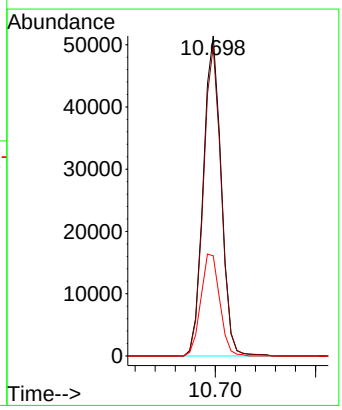


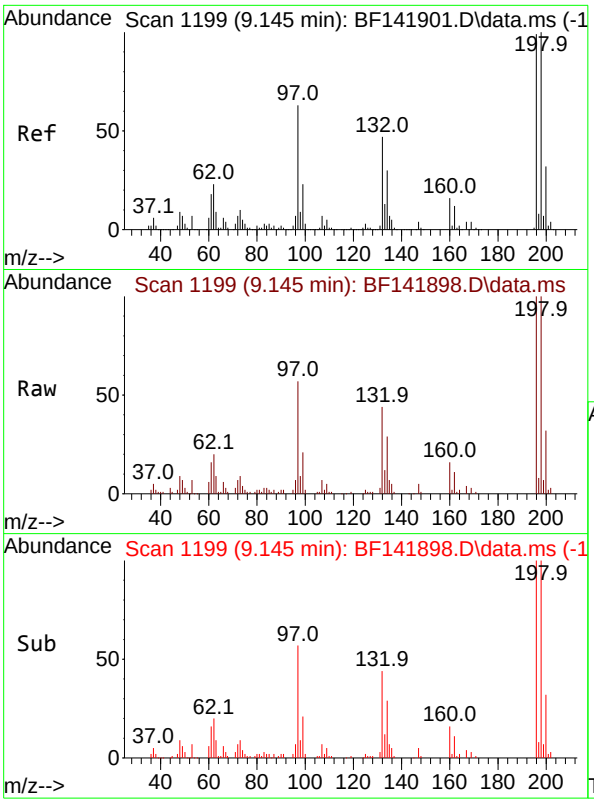


#42
2,4,6-Tribromophenol
Concen: 9.238 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:330 Resp: 63996

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.6	116.4
141	33.4	24.7	37.1



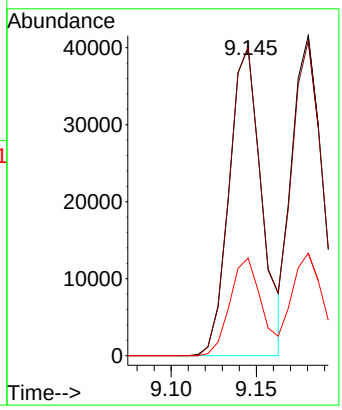


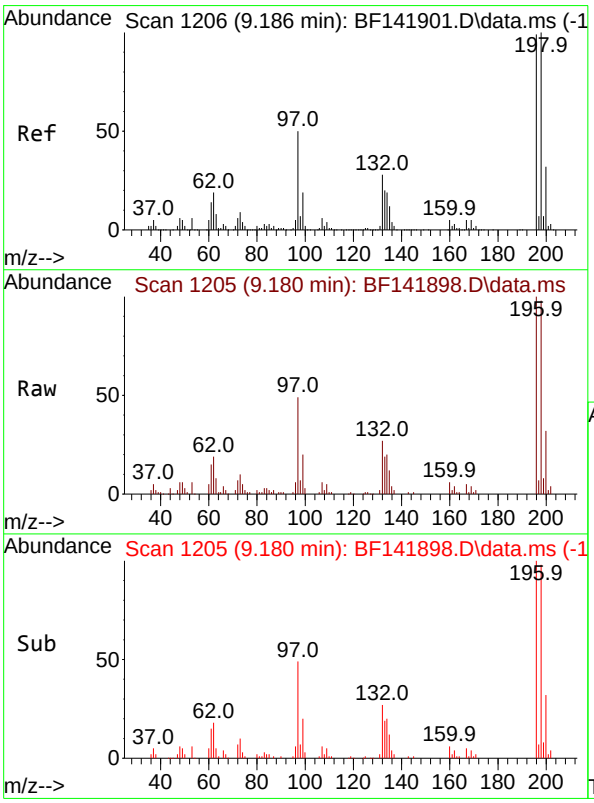
#43
2,4,6-Trichlorophenol
Concen: 4.877 ng
RT: 9.145 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:196 Resp: 52998

Ion	Ratio	Lower	Upper
196	100		
198	99.7	80.6	121.0
200	31.6	25.8	38.6

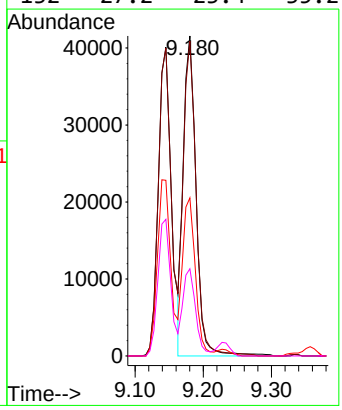


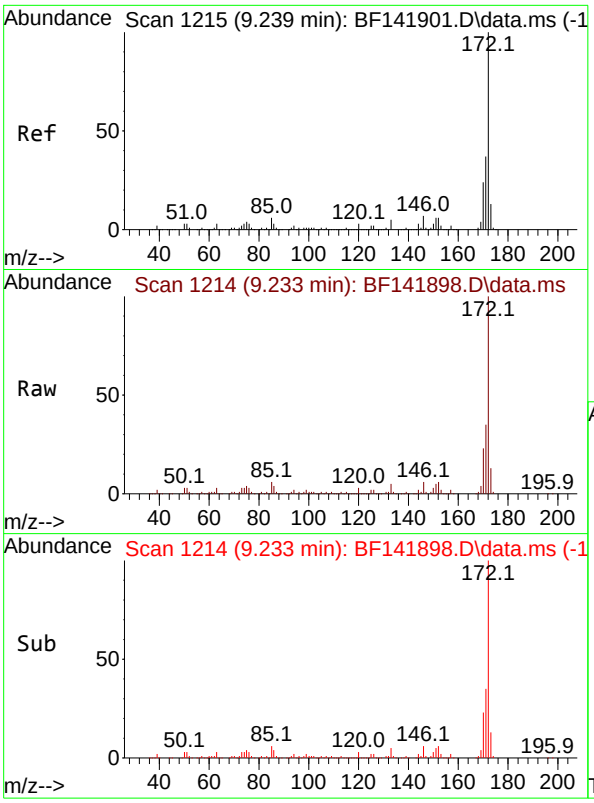


#44
2,4,5-Trichlorophenol
Concen: 4.901 ng
RT: 9.180 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:196 Resp: 54111

Ion	Ratio	Lower	Upper
196	100		
198	98.4	80.7	121.1
97	49.4	42.1	63.1
132	27.2	23.4	35.2



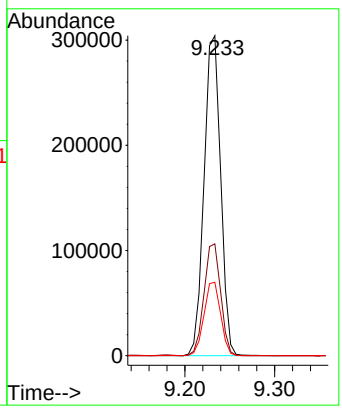


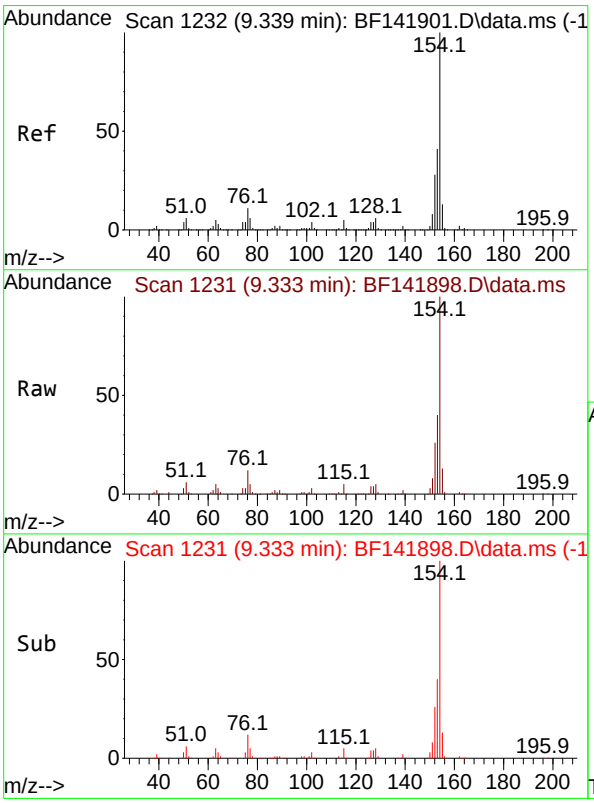
#45
2-Fluorobiphenyl
Concen: 10.888 ng
RT: 9.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:172 Resp: 390913

Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.3	43.9
170	23.0	19.4	29.0

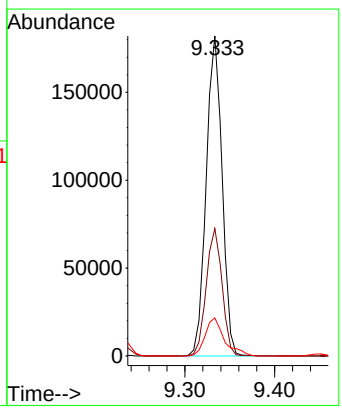


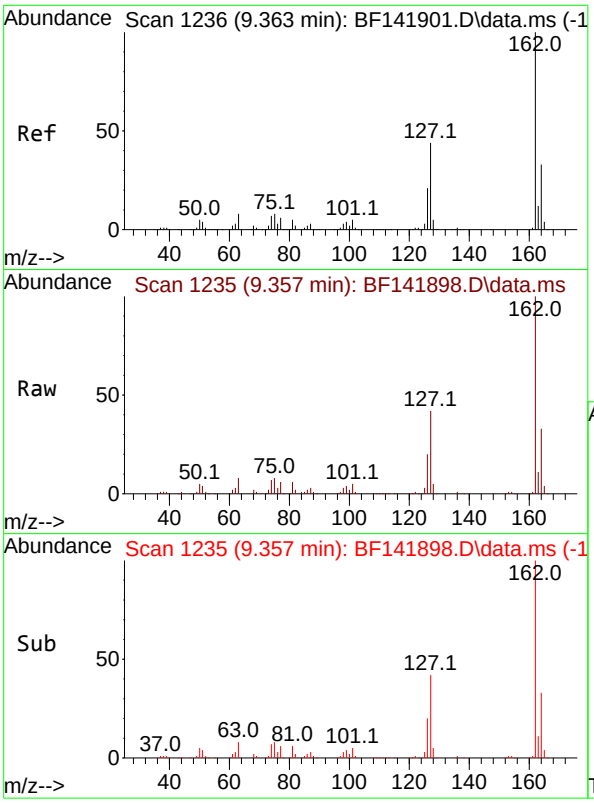


#46
1,1'-Biphenyl
Concen: 5.395 ng
RT: 9.333 min Scan# 1231
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:154 Resp: 223637

Ion	Ratio	Lower	Upper
154	100		
153	39.8	21.1	61.1
76	11.9	0.0	31.3



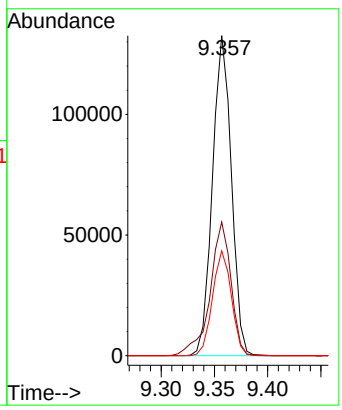


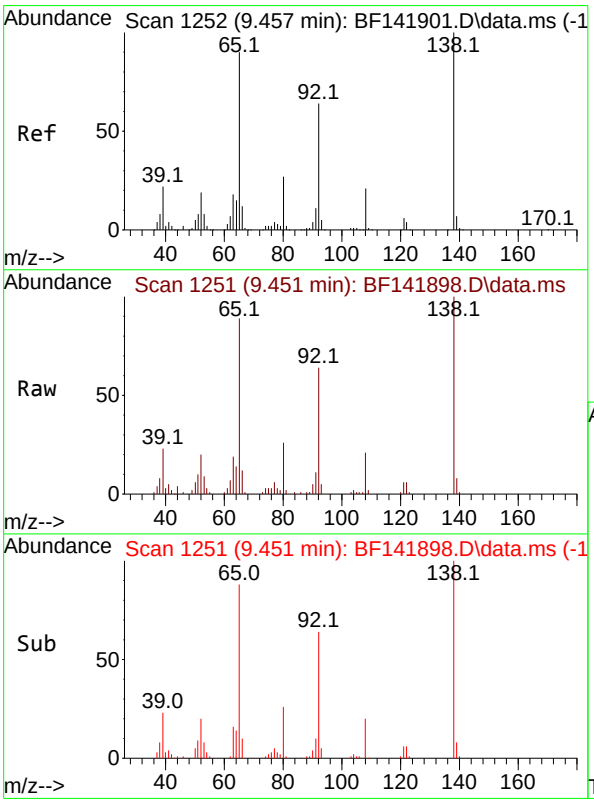
#47
2-Chloronaphthalene
Concen: 5.298 ng
RT: 9.357 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 163642

Ion	Ratio	Lower	Upper
162	100		
127	41.7	35.5	53.3
164	32.8	26.6	40.0

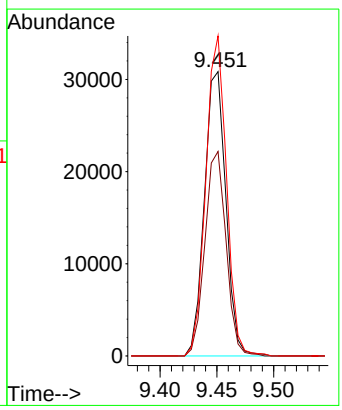


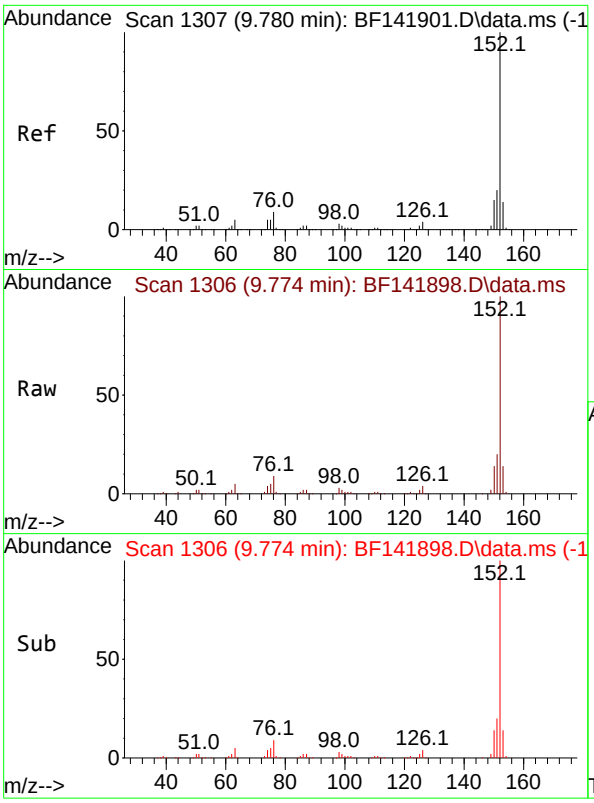


#48
2-Nitroaniline
Concen: 4.561 ng
RT: 9.451 min Scan# 1251
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion: 65 Resp: 40475

Ion	Ratio	Lower	Upper
65	100		
92	71.9	56.6	84.8
138	112.5	88.6	133.0



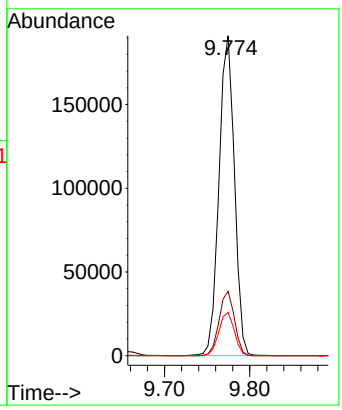


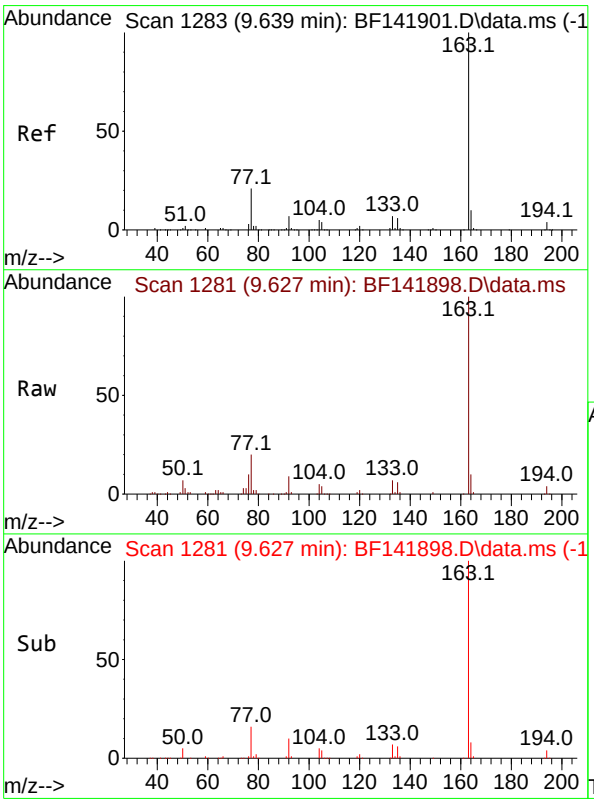
#49
Acenaphthylene
Concen: 5.268 ng
RT: 9.774 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 241253

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.3	24.5
153	13.6	11.1	16.7

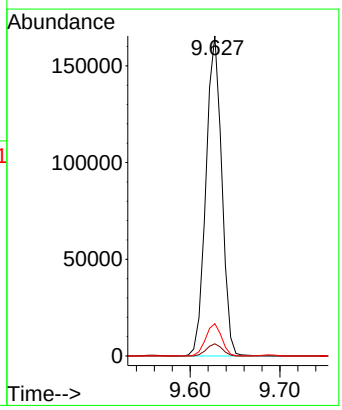


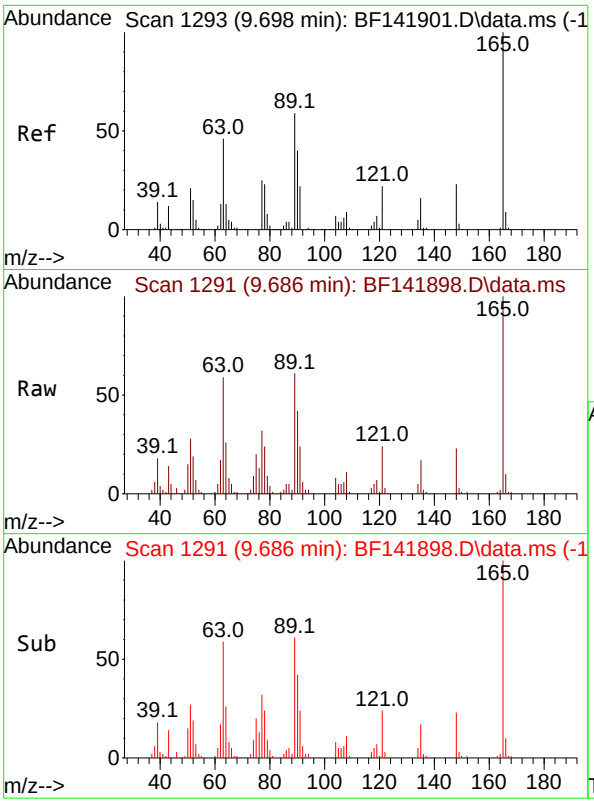


#50
Dimethylphthalate
Concen: 5.328 ng
RT: 9.627 min Scan# 1281
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:163 Resp: 202373

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.1	4.7
164	10.1	8.2	12.4



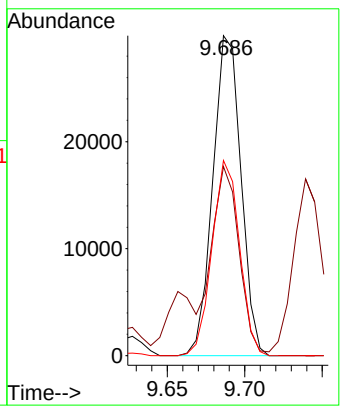


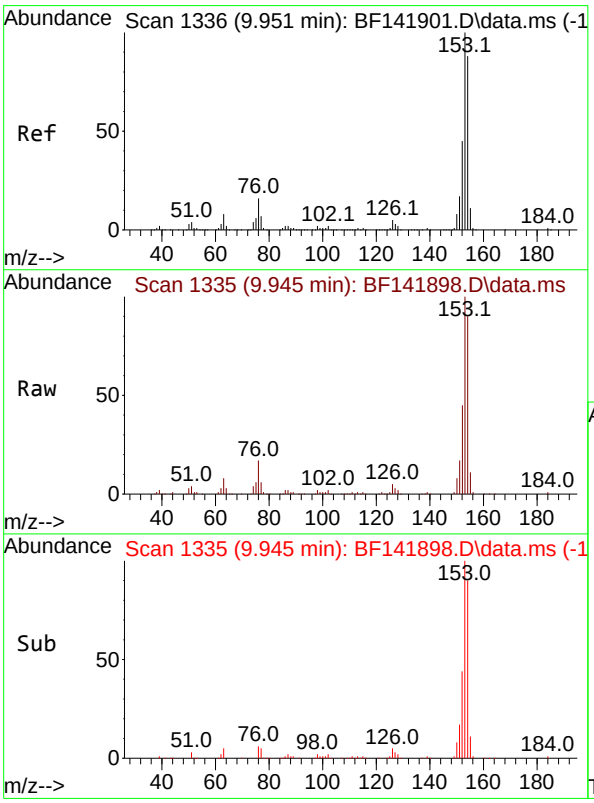
#51
2,6-Dinitrotoluene
Concen: 4.785 ng
RT: 9.686 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:165 Resp: 37796

Ion	Ratio	Lower	Upper
165	100		
63	59.1	47.0	70.4
89	61.0	47.4	71.2

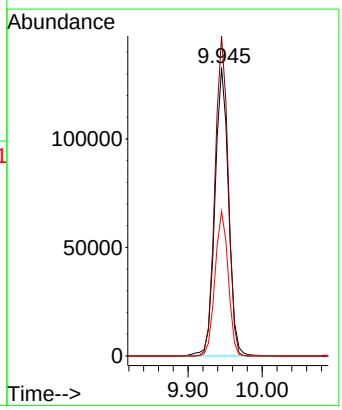


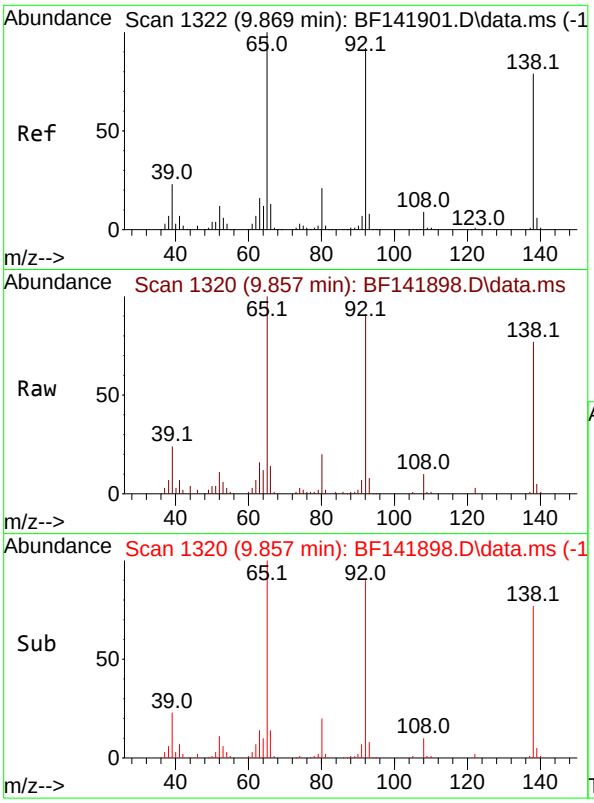


#52
Acenaphthene
Concen: 5.225 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:154 Resp: 168975

Ion	Ratio	Lower	Upper
154	100		
153	111.0	90.7	136.1
152	50.2	41.1	61.7



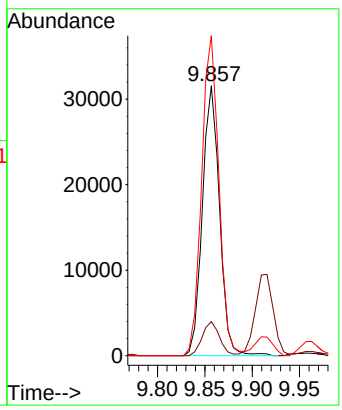


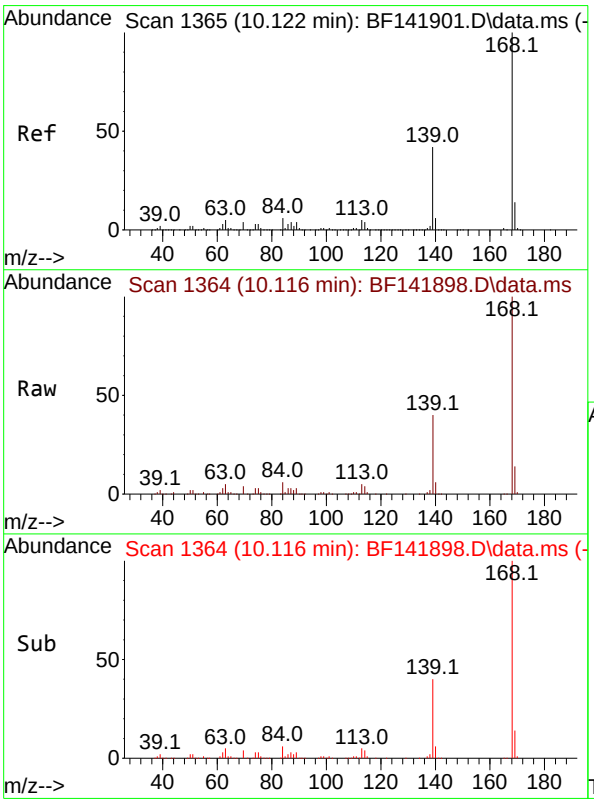
#53
3-Nitroaniline
Concen: 4.902 ng
RT: 9.857 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:138 Resp: 39761

Ion	Ratio	Lower	Upper
138	100		
108	12.6	9.3	13.9
92	118.6	93.5	140.3

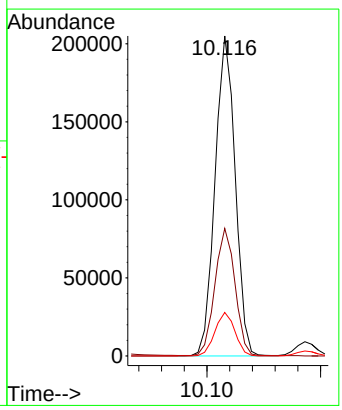


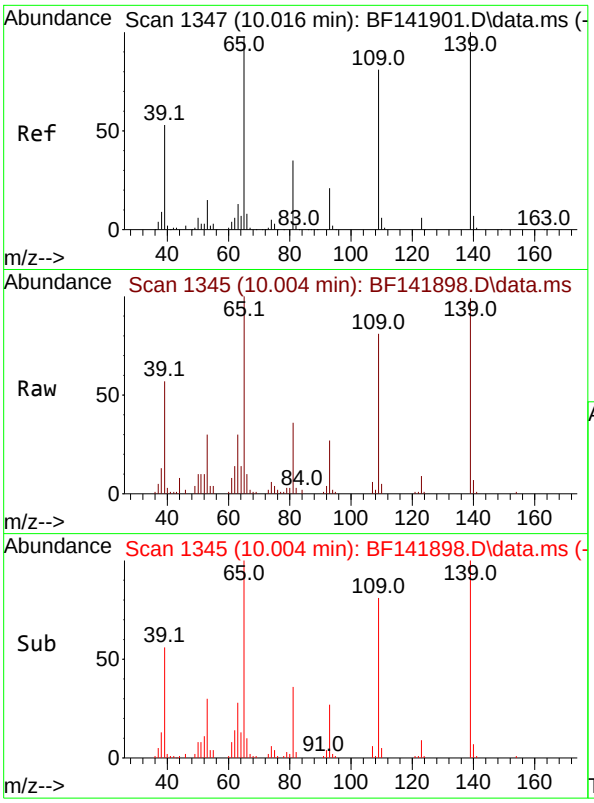


#55
Dibenzofuran
Concen: 5.481 ng
RT: 10.116 min Scan# 1364
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:168 Resp: 252715

Ion	Ratio	Lower	Upper
168	100		
139	39.8	33.9	50.9
169	13.6	11.0	16.4



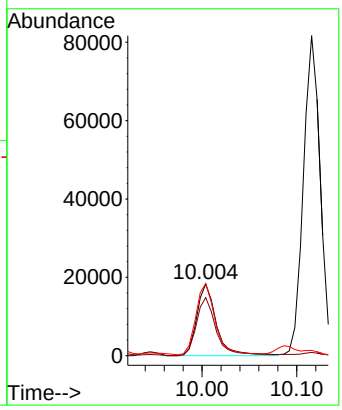


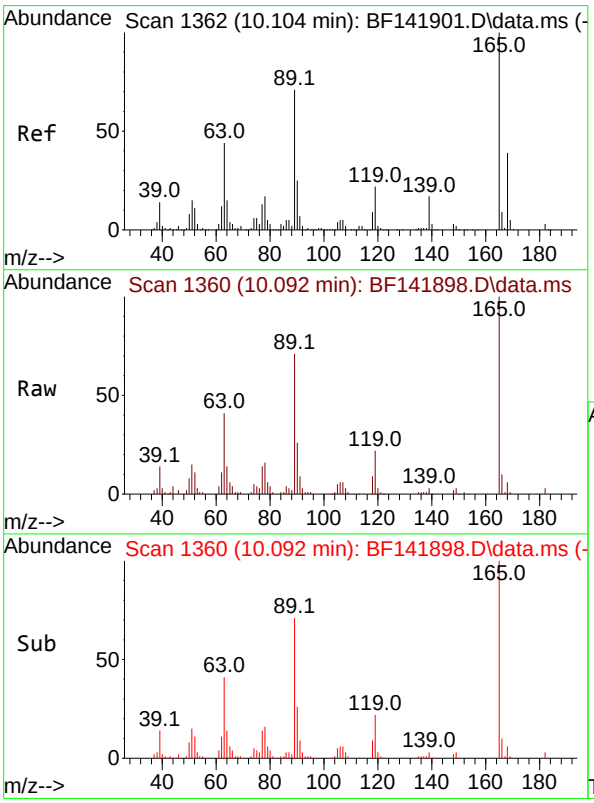
#56
4-Nitrophenol
Concen: 4.309 ng
RT: 10.004 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:139 Resp: 26252

Ion	Ratio	Lower	Upper
139	100		
109	81.1	61.6	101.6
65	100.7	79.4	119.4

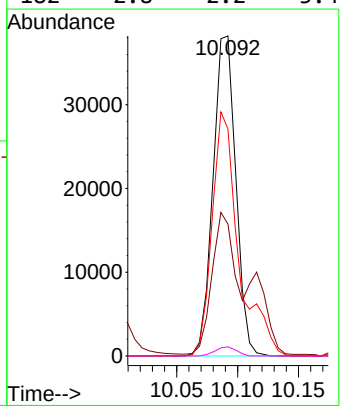


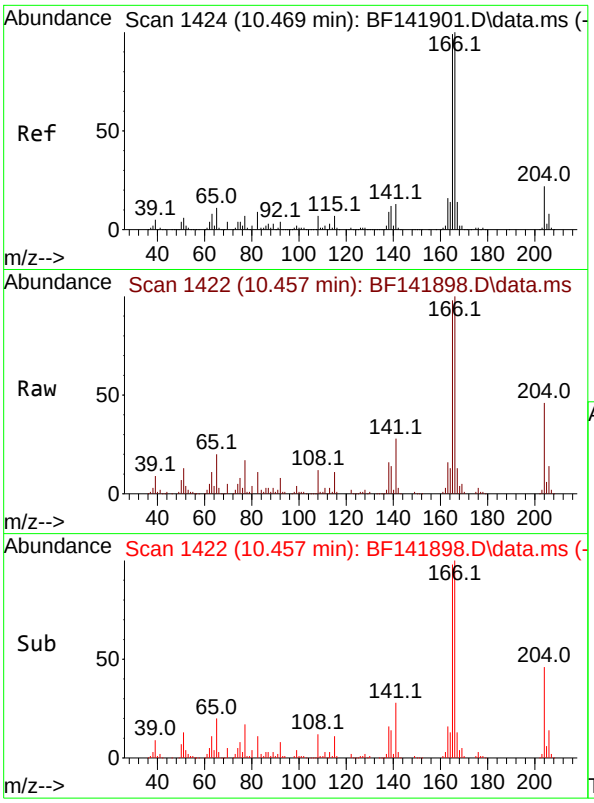


#57
2,4-Dinitrotoluene
Concen: 4.800 ng
RT: 10.092 min Scan# 1360
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:165 Resp: 49913

Ion	Ratio	Lower	Upper
165	100		
63	41.2	35.4	53.2
89	70.9	56.6	84.8
182	2.8	2.2	3.4



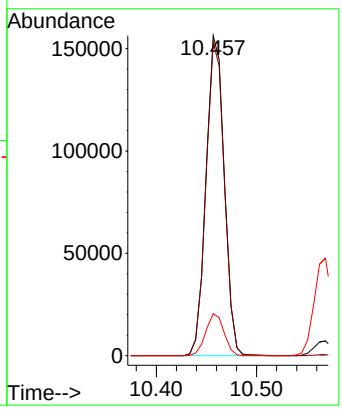


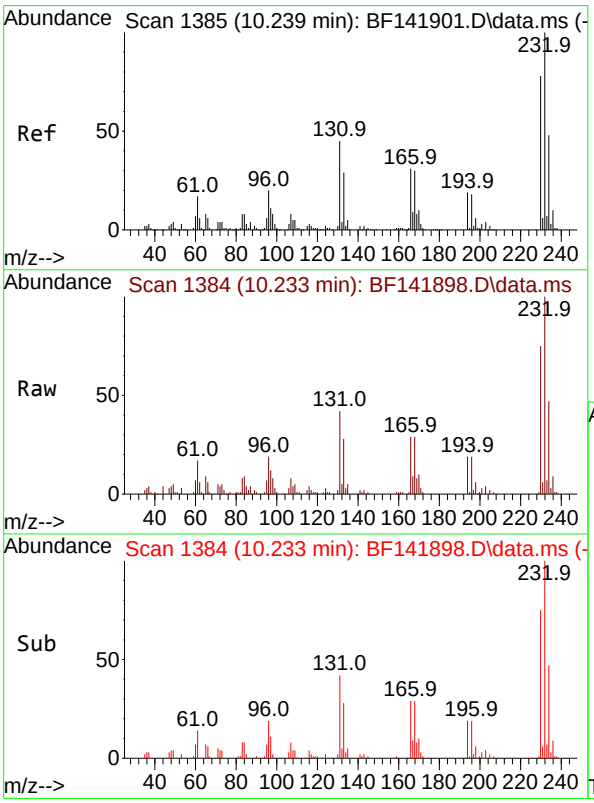
#58
Fluorene
Concen: 5.542 ng
RT: 10.457 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:166 Resp: 197266

Ion	Ratio	Lower	Upper
166	100		
165	98.0	79.0	118.4
167	13.2	11.0	16.4

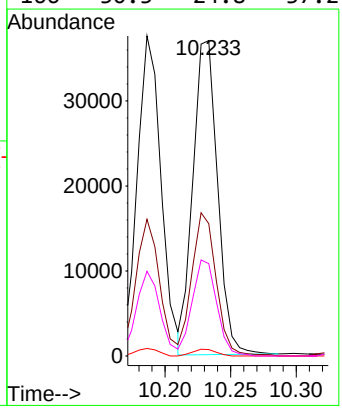


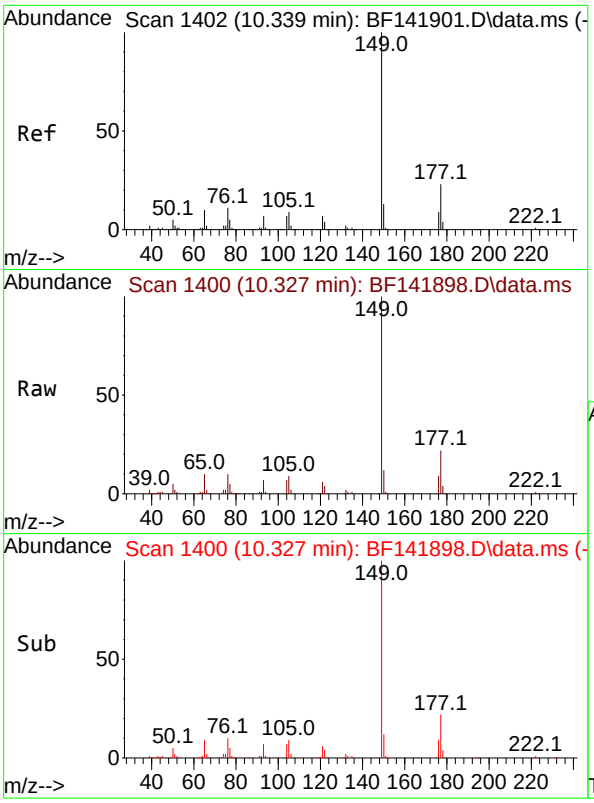


#59
2,3,4,6-Tetrachlorophenol
Concen: 4.839 ng
RT: 10.233 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:232 Resp: 48472

Ion	Ratio	Lower	Upper
232	100		
131	44.9	37.3	55.9
130	2.1	1.9	2.9
166	30.3	24.8	37.2



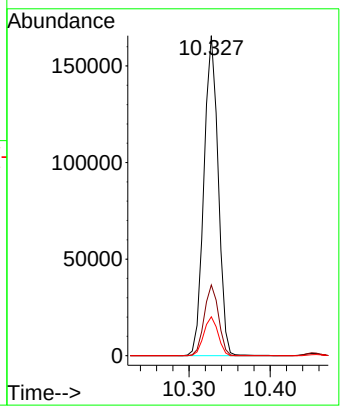


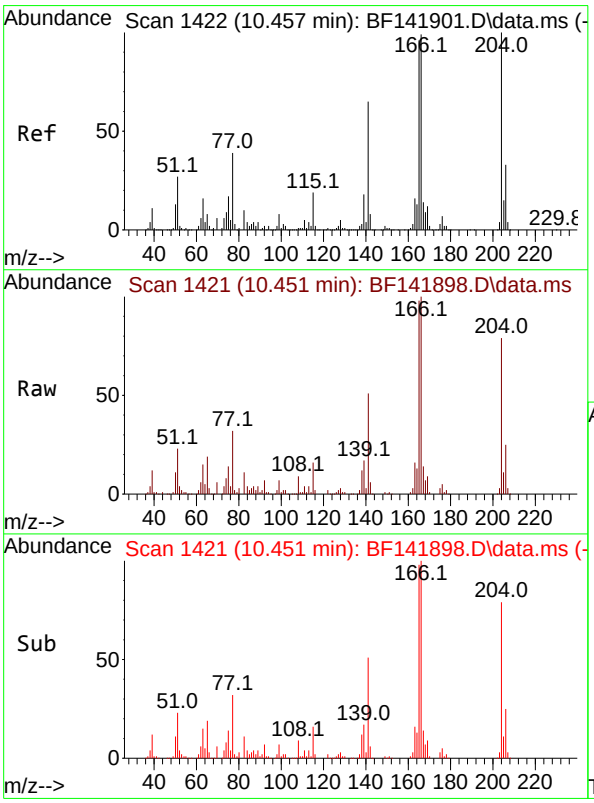
#60
Diethylphthalate
Concen: 5.286 ng
RT: 10.327 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 201554

Ion	Ratio	Lower	Upper
149	100		
177	22.1	18.0	27.0
150	12.1	10.2	15.4

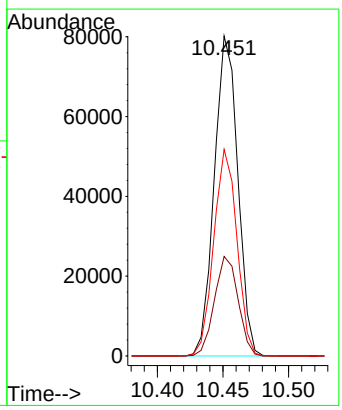


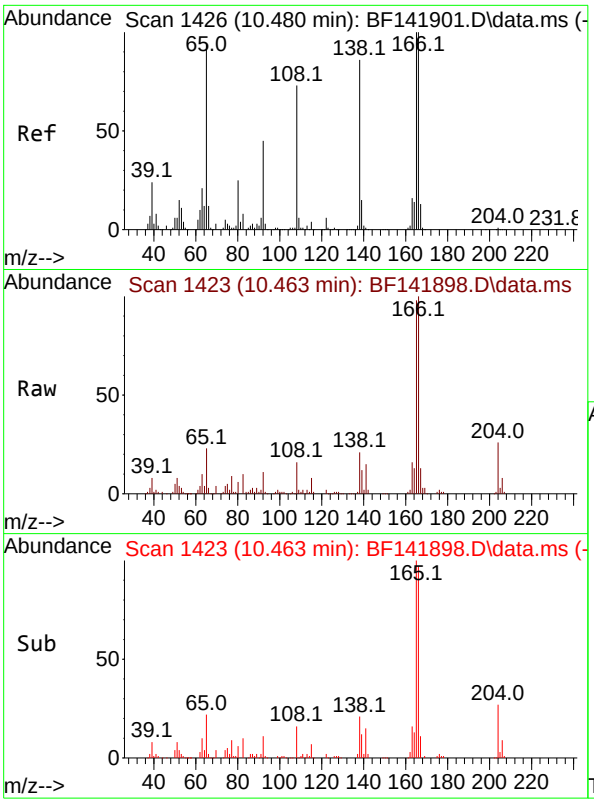


#61
4-Chlorophenyl-phenylether
Concen: 5.380 ng
RT: 10.451 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:204 Resp: 99747

Ion	Ratio	Lower	Upper
204	100		
206	31.1	26.8	40.2
141	64.5	52.4	78.6



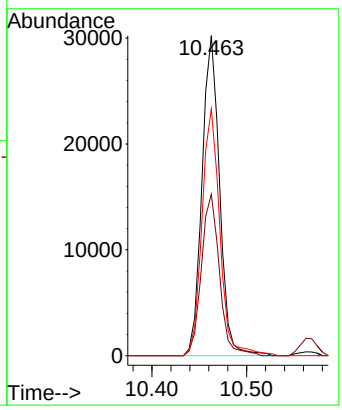


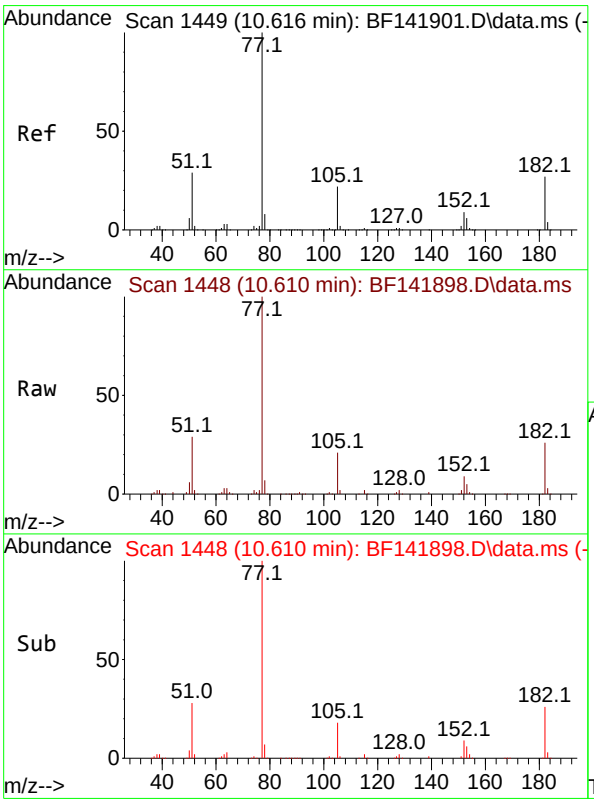
#62
4-Nitroaniline
Concen: 4.945 ng
RT: 10.463 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:138 Resp: 38863

Ion	Ratio	Lower	Upper
138	100		
92	50.5	32.6	72.6
108	77.1	65.0	105.0

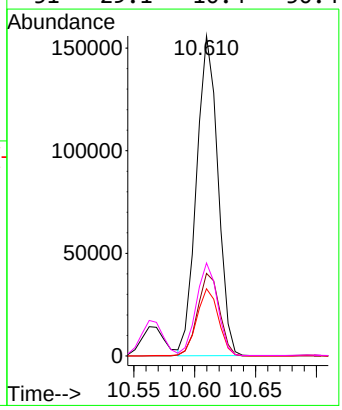


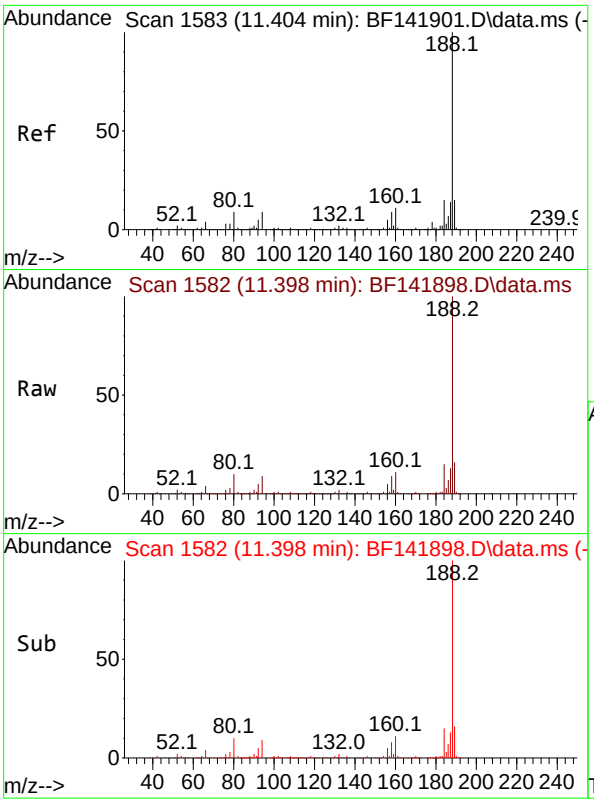


#63
Azobenzene
Concen: 5.370 ng
RT: 10.610 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion: 77 Resp: 190233

Ion	Ratio	Lower	Upper
77	100		
182	25.8	6.6	46.6
105	21.0	1.3	41.3
51	29.1	10.4	50.4



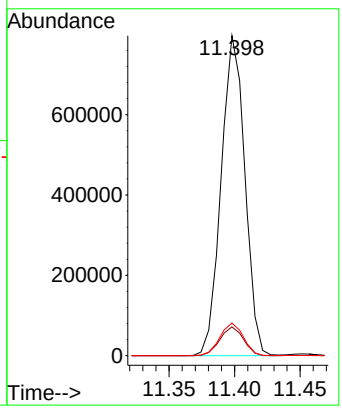


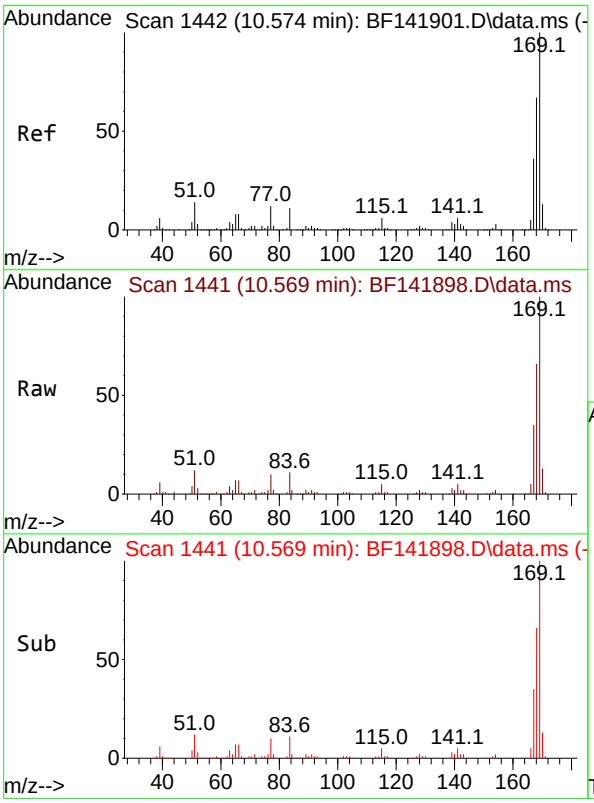
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:188 Resp: 1002901

Ion	Ratio	Lower	Upper
188	100		
94	9.0	6.8	10.2
80	10.2	7.6	11.4

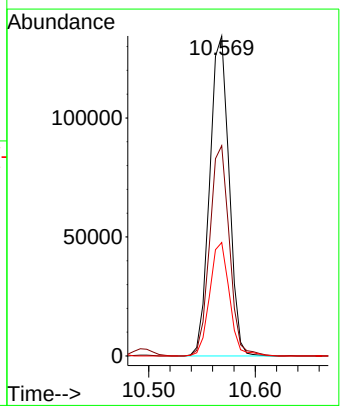


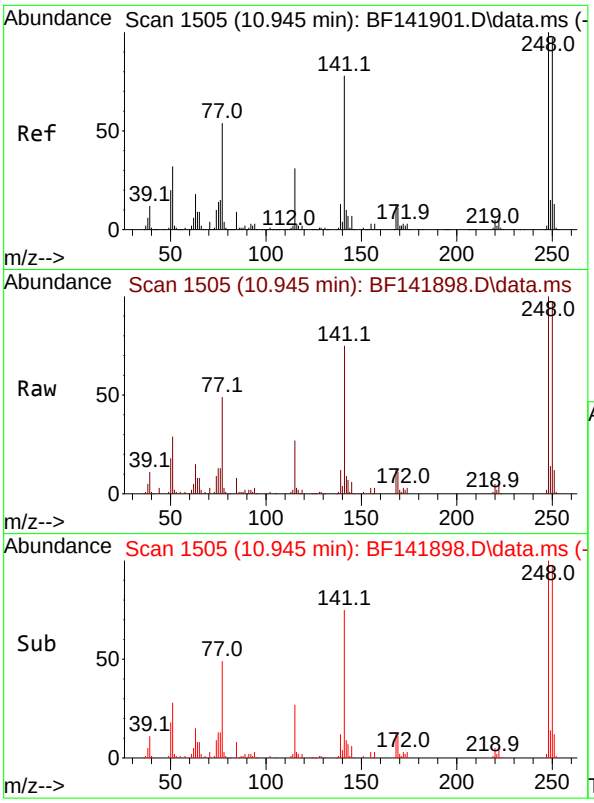


#66
n-Nitrosodiphenylamine
Concen: 5.223 ng
RT: 10.569 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:169 Resp: 169225

Ion	Ratio	Lower	Upper
169	100		
168	65.7	53.7	80.5
167	35.5	29.2	43.8



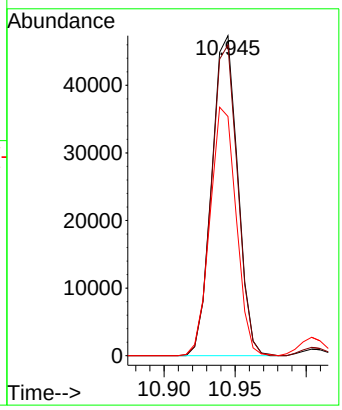


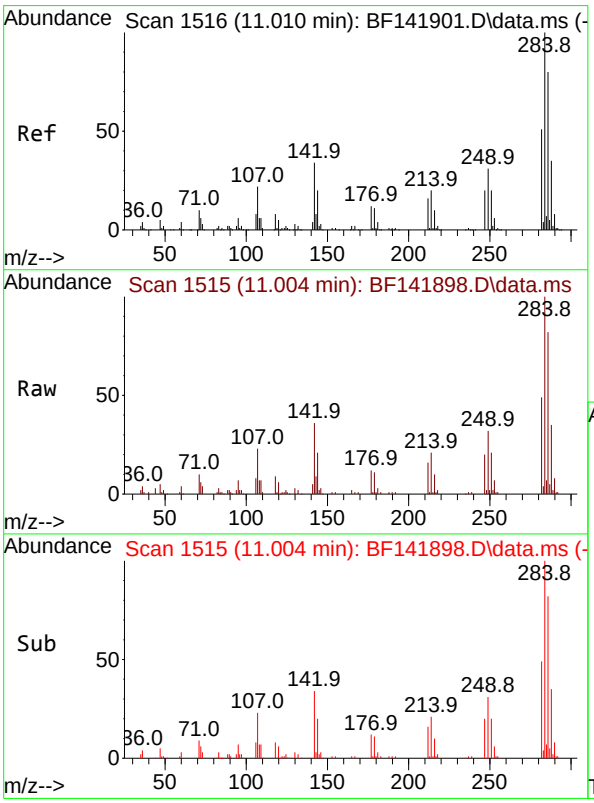
#67
4-Bromophenyl-phenylether
Concen: 4.823 ng
RT: 10.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:248 Resp: 60238

Ion	Ratio	Lower	Upper
248	100		
250	97.1	77.8	116.8
141	74.7	62.6	93.8

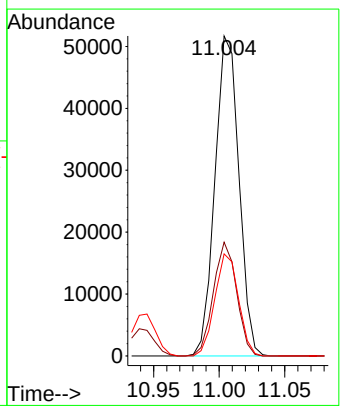


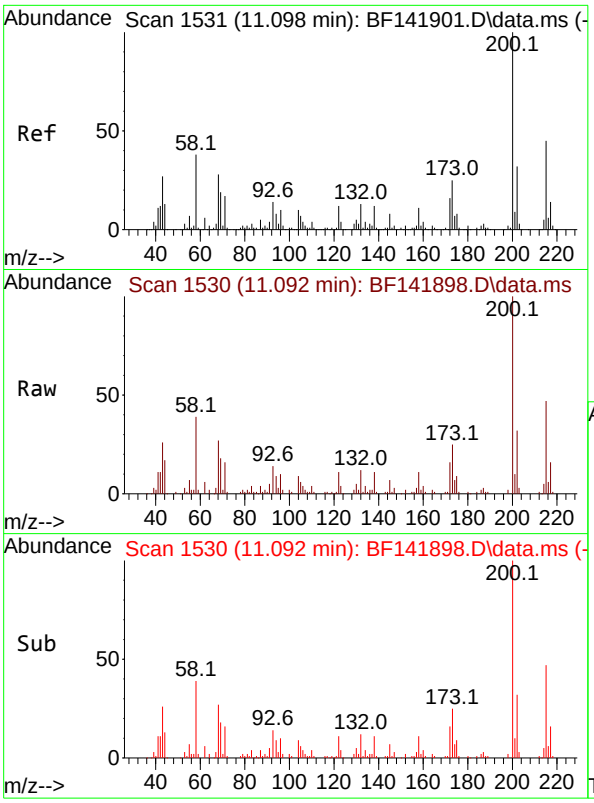


#68
Hexachlorobenzene
Concen: 4.753 ng
RT: 11.004 min Scan# 1515
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:284 Resp: 65620

Ion	Ratio	Lower	Upper
284	100		
142	35.6	27.0	40.6
249	31.9	25.2	37.8



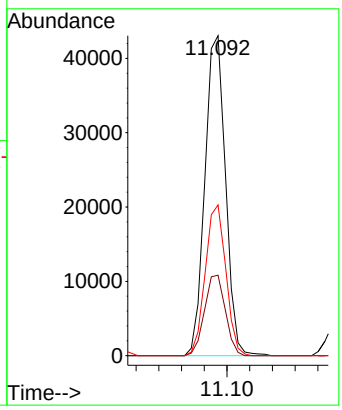


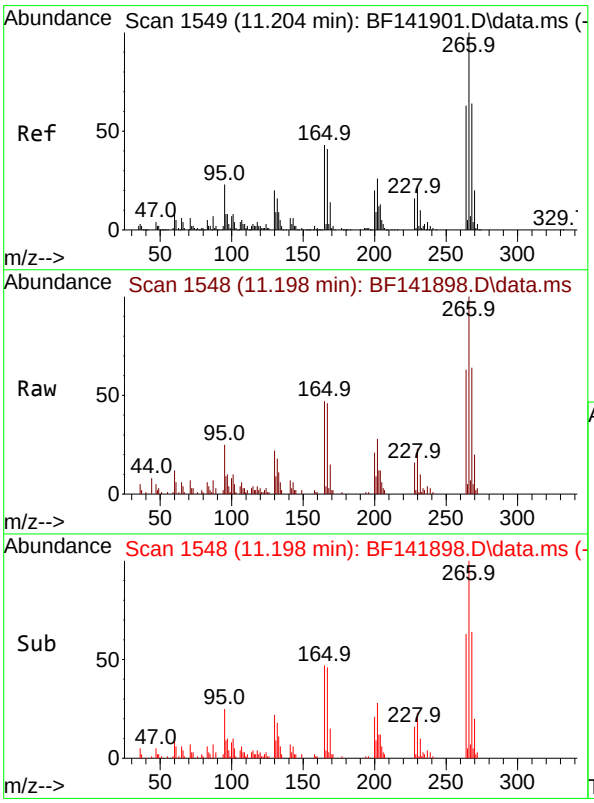
#69
Atrazine
Concen: 6.867 ng
RT: 11.092 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:200 Resp: 54251

Ion	Ratio	Lower	Upper
200	100		
173	25.1	4.7	44.7
215	47.1	25.4	65.4

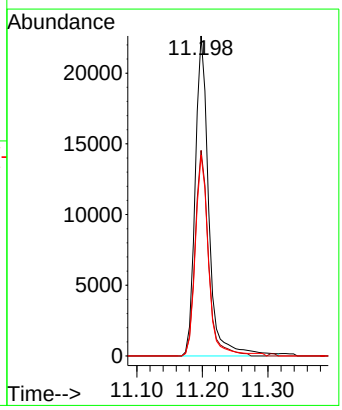


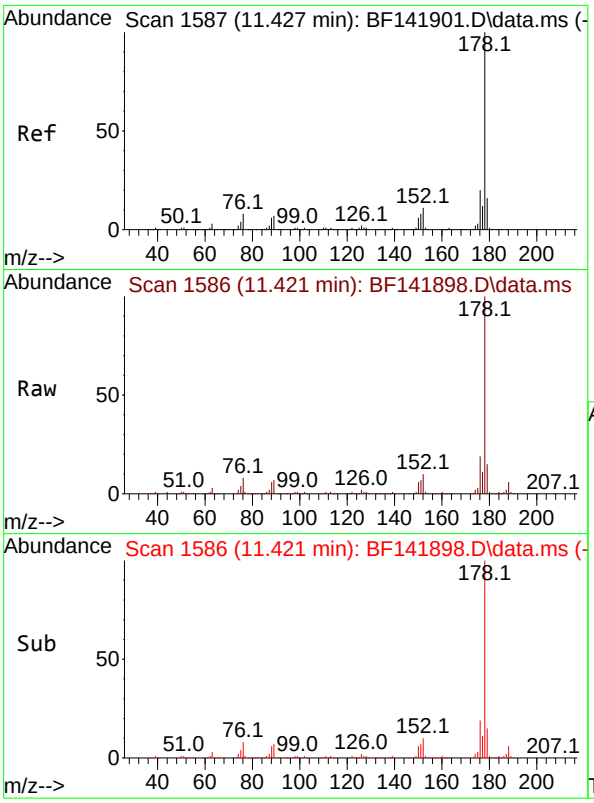


#70
Pentachlorophenol
Concen: 3.843 ng
RT: 11.198 min Scan# 1548
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:266 Resp: 32716

Ion	Ratio	Lower	Upper
266	100		
268	64.2	51.0	76.6
264	62.8	50.2	75.2



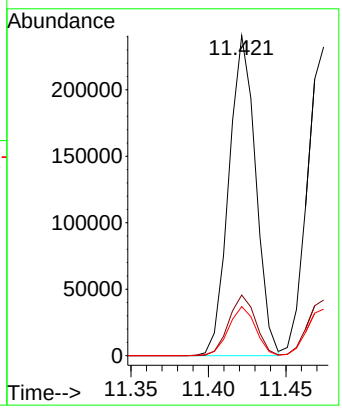


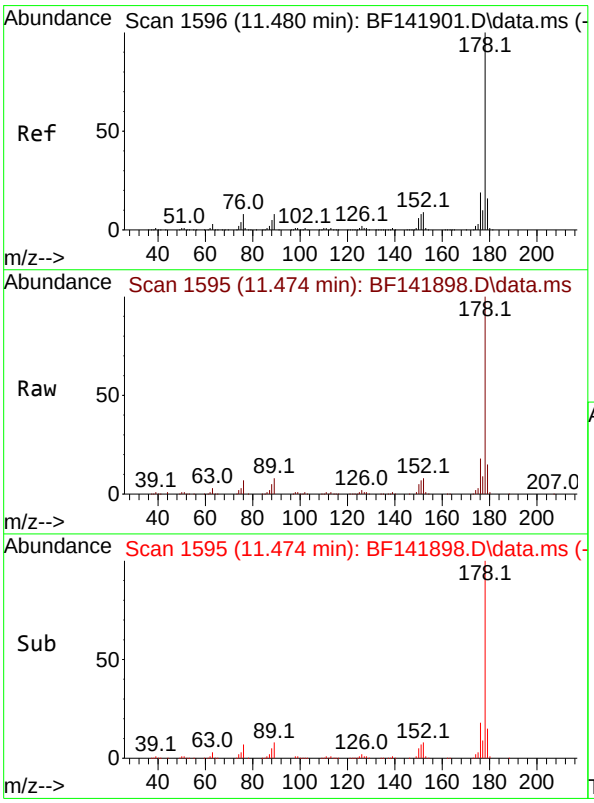
#71
Phenanthrene
Concen: 5.340 ng
RT: 11.421 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:178 Resp: 289580

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	15.3	12.6	19.0

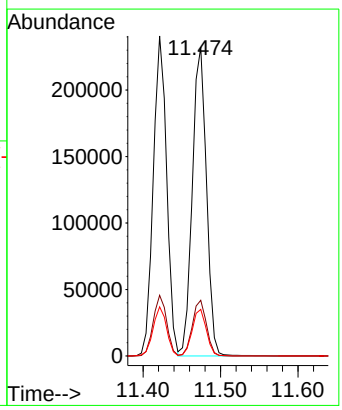


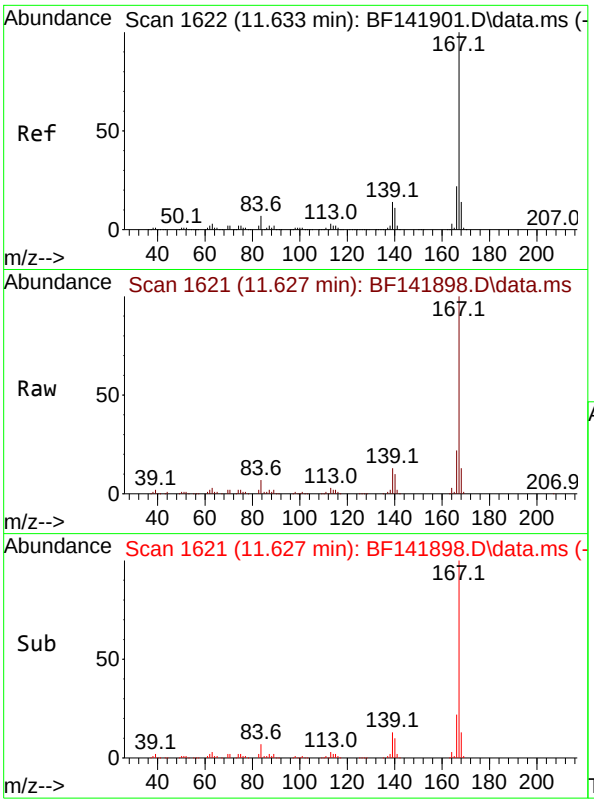


#72
Anthracene
Concen: 5.407 ng
RT: 11.474 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:178 Resp: 294198

Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.1	22.7
179	15.1	12.6	19.0



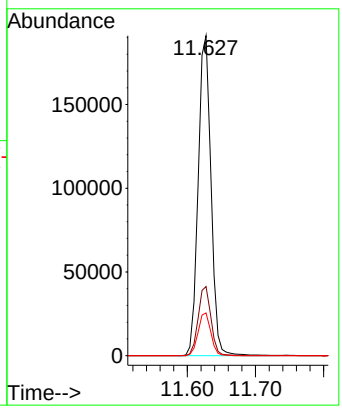


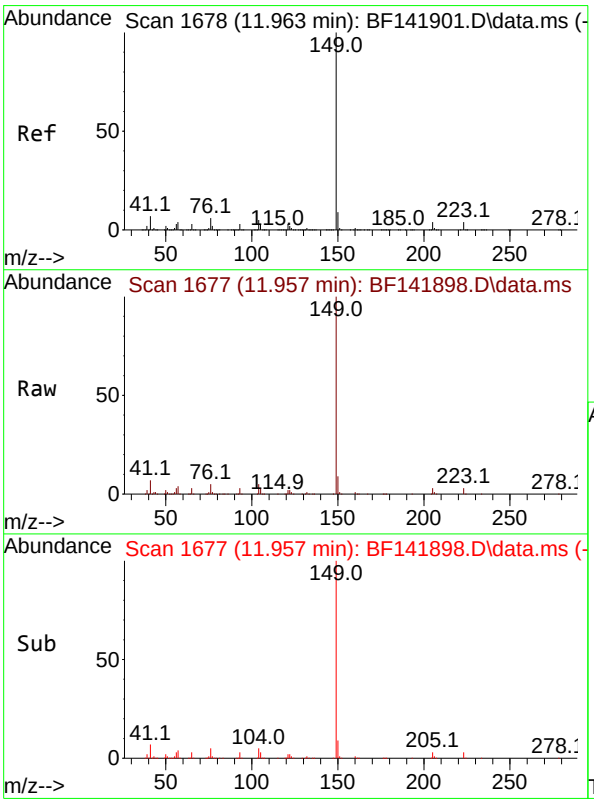
#73
Carbazole
Concen: 5.329 ng
RT: 11.627 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:167 Resp: 249634

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.4	26.2
139	13.3	11.0	16.6

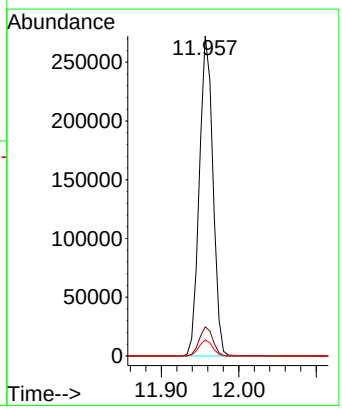


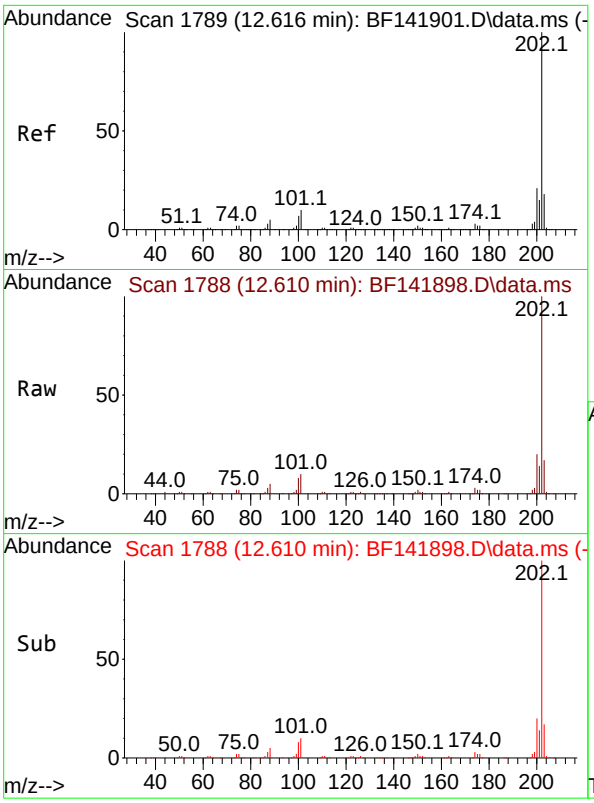


#74
Di-n-butylphthalate
Concen: 5.352 ng
RT: 11.957 min Scan# 1677
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:149 Resp: 330999

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.6	11.4
104	5.0	4.4	6.6



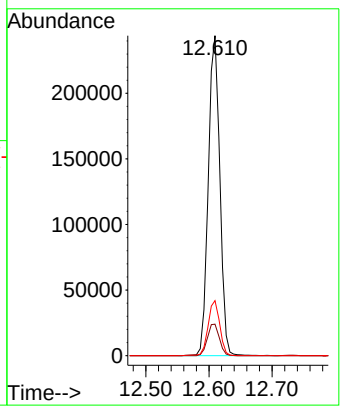


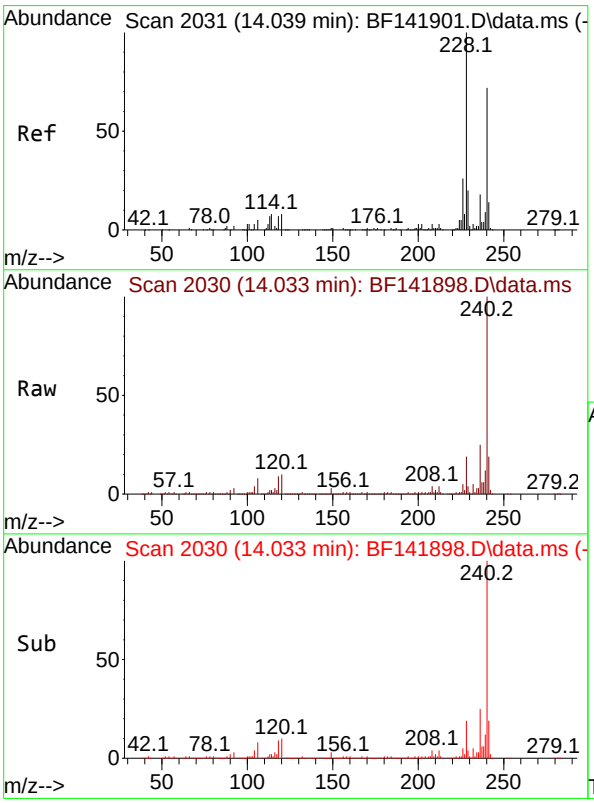
#75
Fluoranthene
Concen: 5.432 ng
RT: 12.610 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:202 Resp: 309273

Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	29.7
203	17.2	0.0	37.8

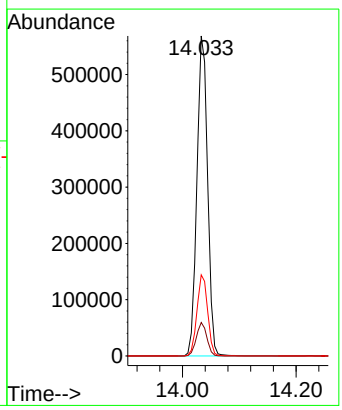


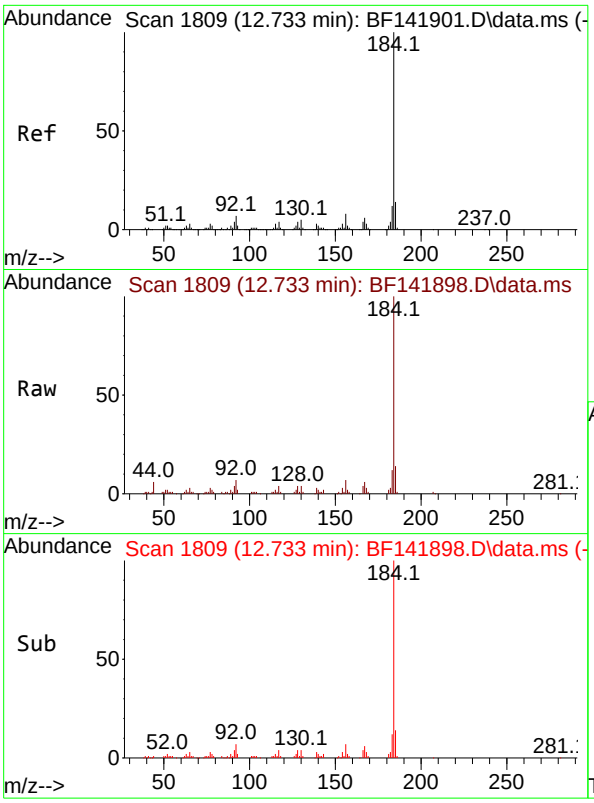


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:240 Resp: 745624

Ion	Ratio	Lower	Upper
240	100		
120	10.4	8.4	12.6
236	25.3	20.5	30.7



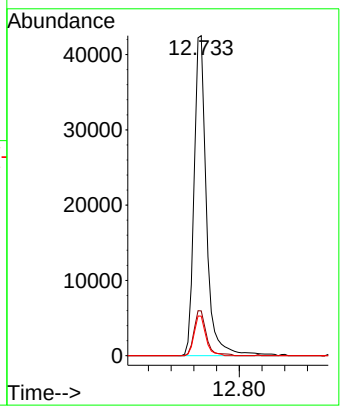


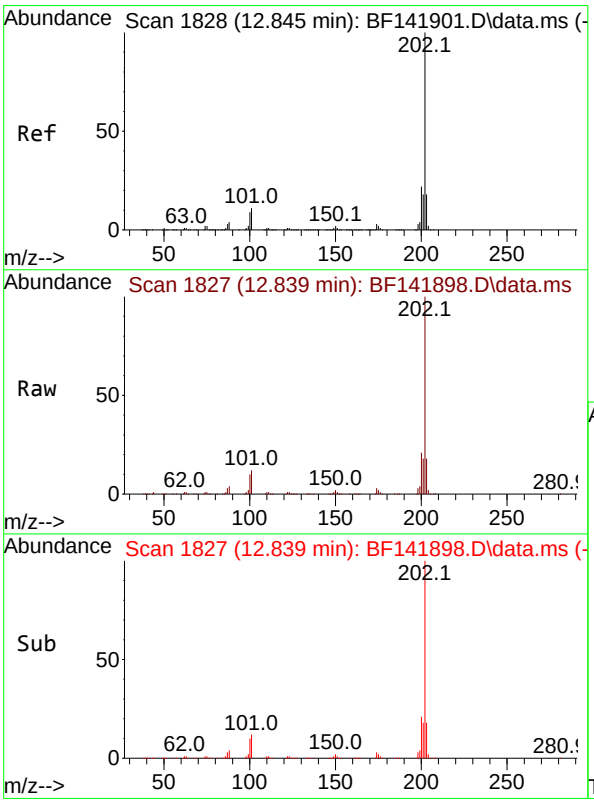
#77
Benzidine
Concen: 6.138 ng
RT: 12.733 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:184 Resp: 64673

Ion	Ratio	Lower	Upper
184	100		
185	14.0	11.5	17.3
183	12.3	9.7	14.5

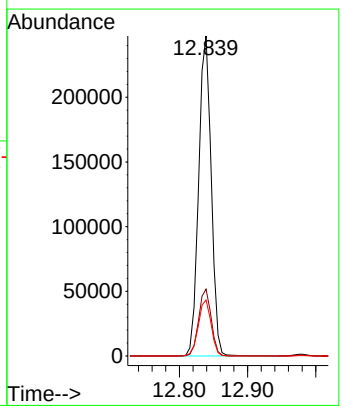


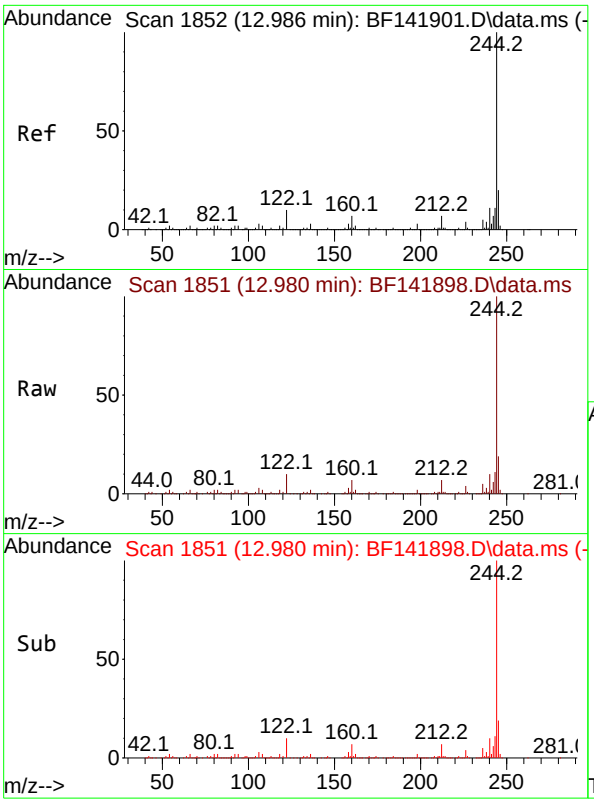


#78
Pyrene
Concen: 4.941 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:202 Resp: 315969

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.3	25.9
203	17.5	14.4	21.6



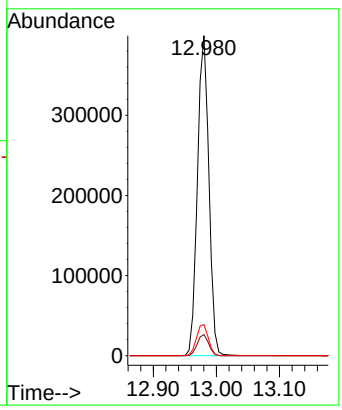


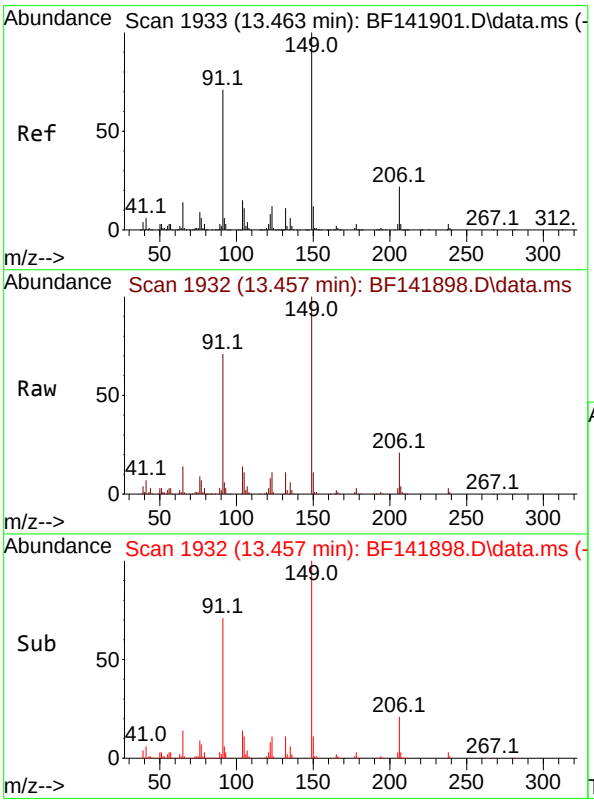
#79
Terphenyl-d14
Concen: 9.924 ng
RT: 12.980 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:244 Resp: 500607

Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.0	9.0
122	9.7	7.7	11.5

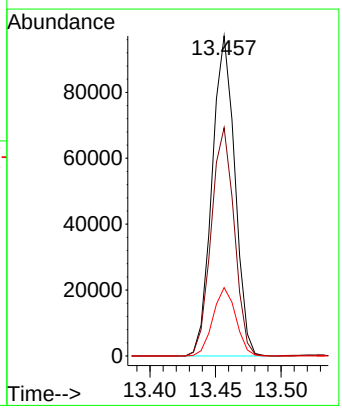


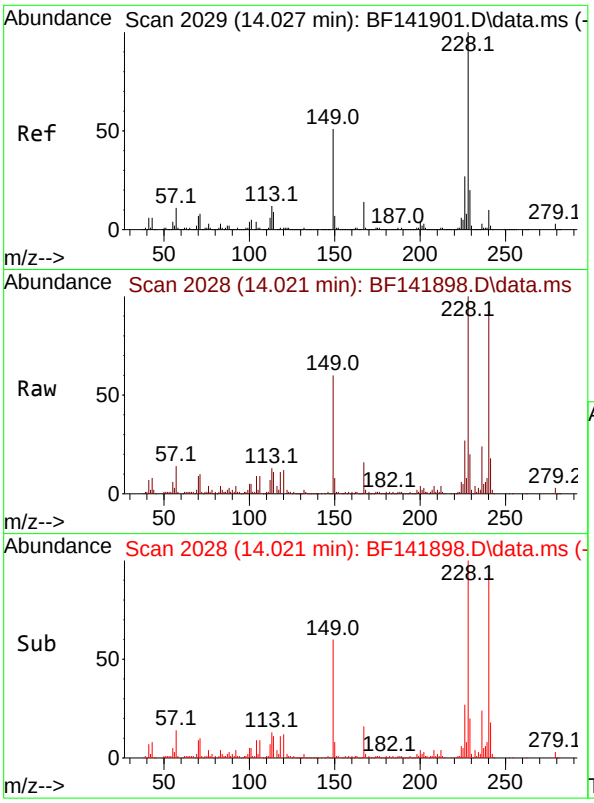


#80
Butylbenzylphthalate
Concen: 4.653 ng
RT: 13.457 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:149 Resp: 117256

Ion	Ratio	Lower	Upper
149	100		
91	71.4	56.5	84.7
206	21.4	17.3	25.9



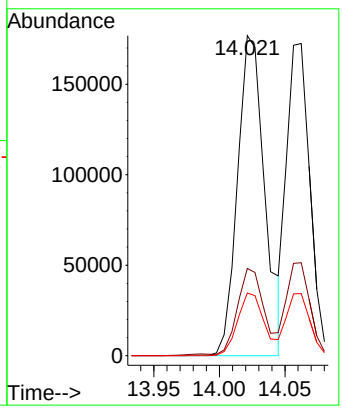


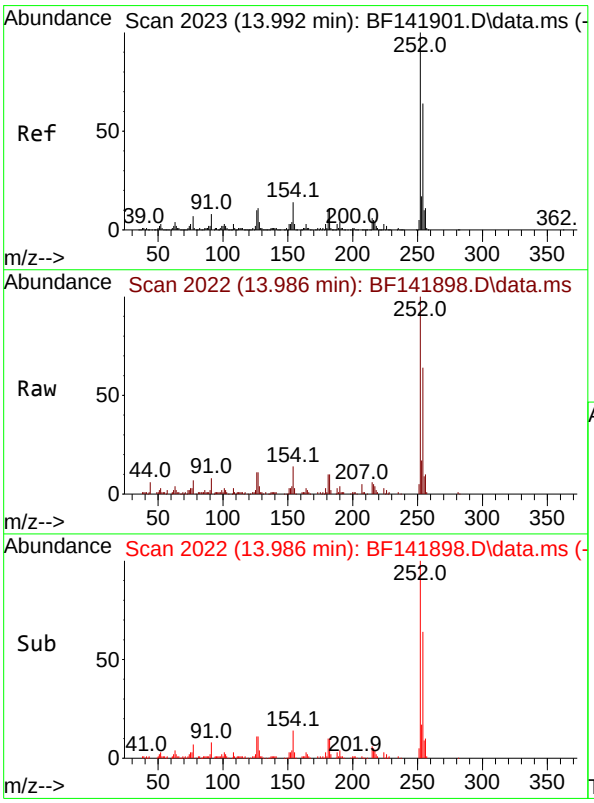
#81
Benzo(a)anthracene
Concen: 5.205 ng
RT: 14.021 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:228 Resp: 255308

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	19.6	16.0	24.0

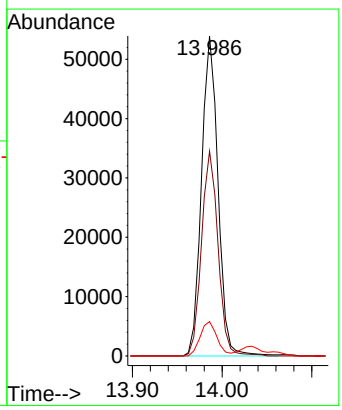


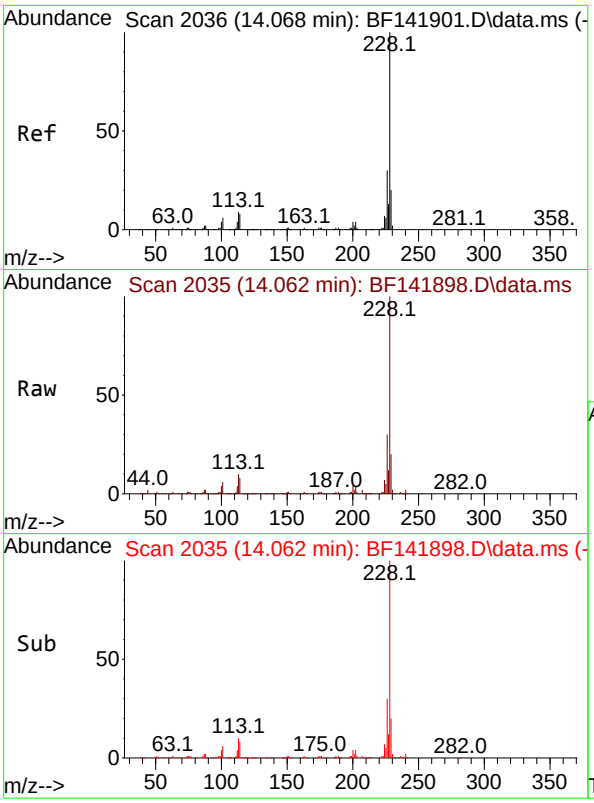


#82
3,3'-Dichlorobenzidine
Concen: 4.865 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:252 Resp: 68969

Ion	Ratio	Lower	Upper
252	100		
254	64.0	51.0	76.6
126	10.7	8.4	12.6



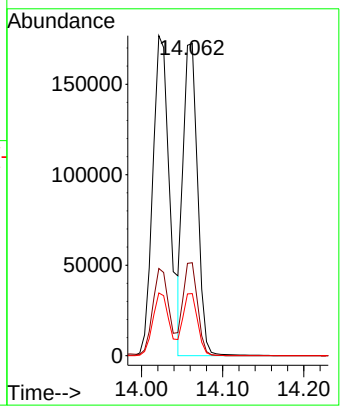


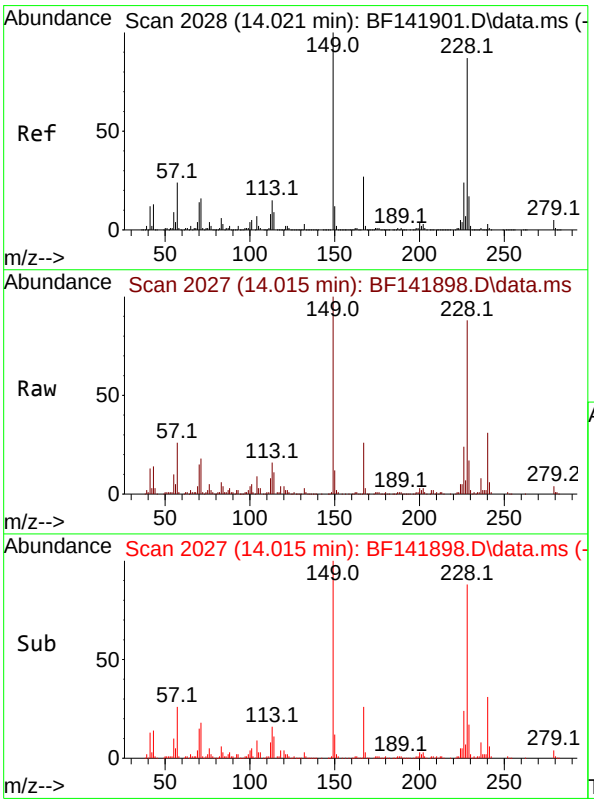
#83
Chrysene
Concen: 4.837 ng
RT: 14.062 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:228 Resp: 213144

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.1	36.1
229	19.9	15.7	23.5

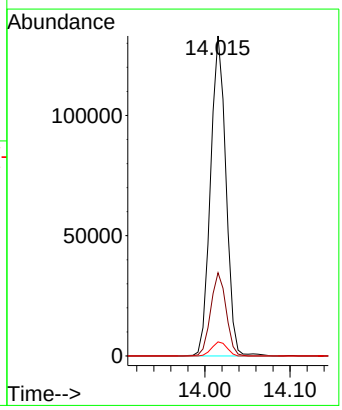


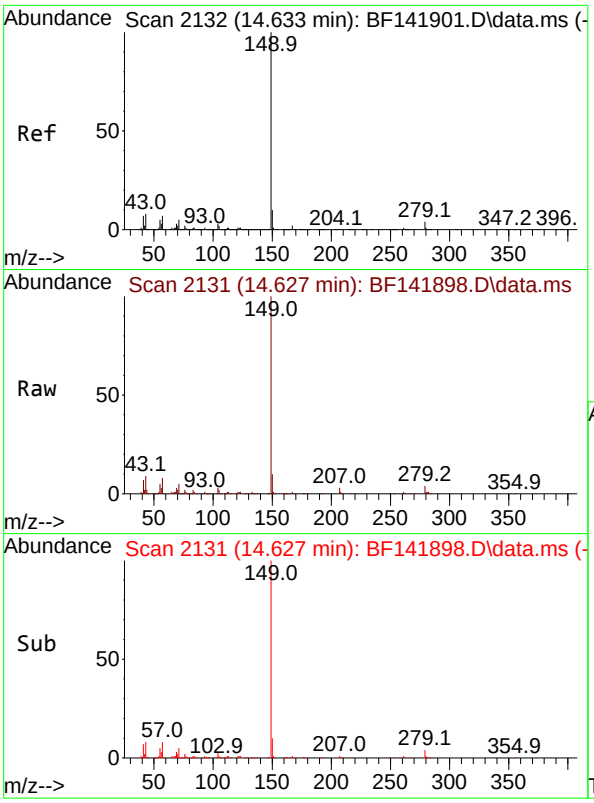


#84
Bis(2-ethylhexyl)phthalate
Concen: 4.836 ng
RT: 14.015 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:149 Resp: 167165

Ion	Ratio	Lower	Upper
149	100		
167	26.0	21.4	32.0
279	4.4	3.8	5.6



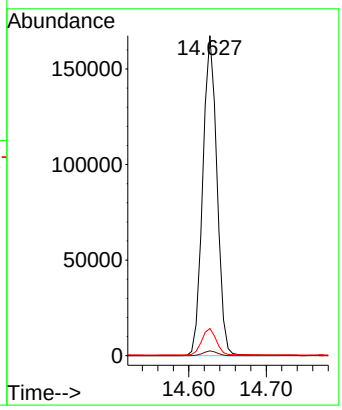


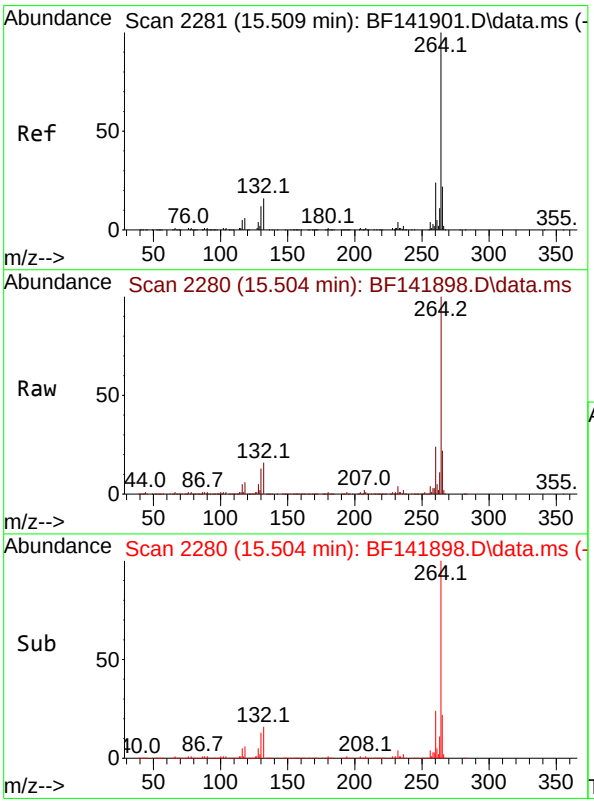
#85
Di-n-octyl phthalate
Concen: 4.435 ng
RT: 14.627 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 213395

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	8.4	6.9	10.3

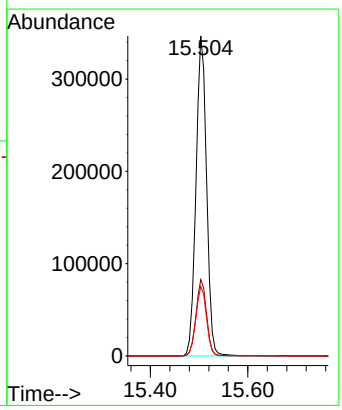


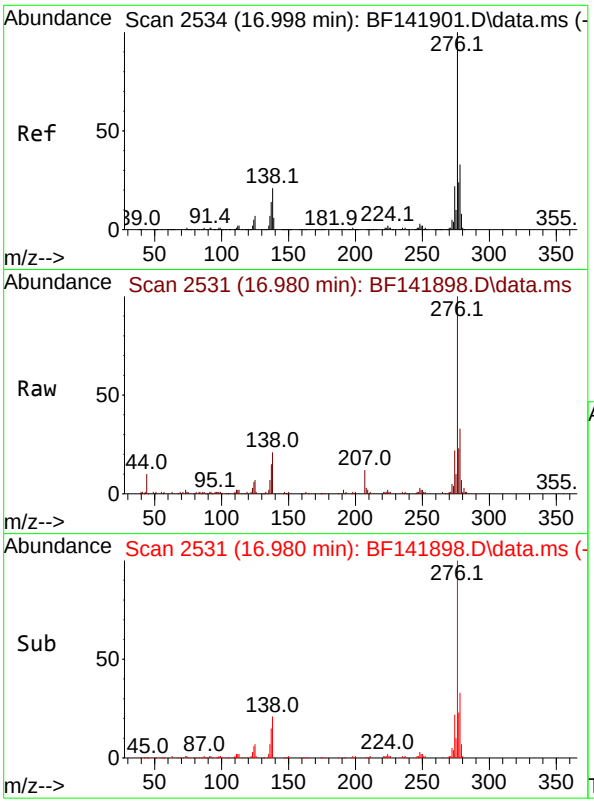


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.504 min Scan# 2280
Delta R.T. -0.006 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:264 Resp: 527129

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.1	28.7
265	21.7	17.5	26.3



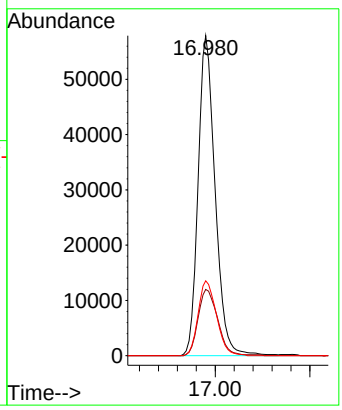


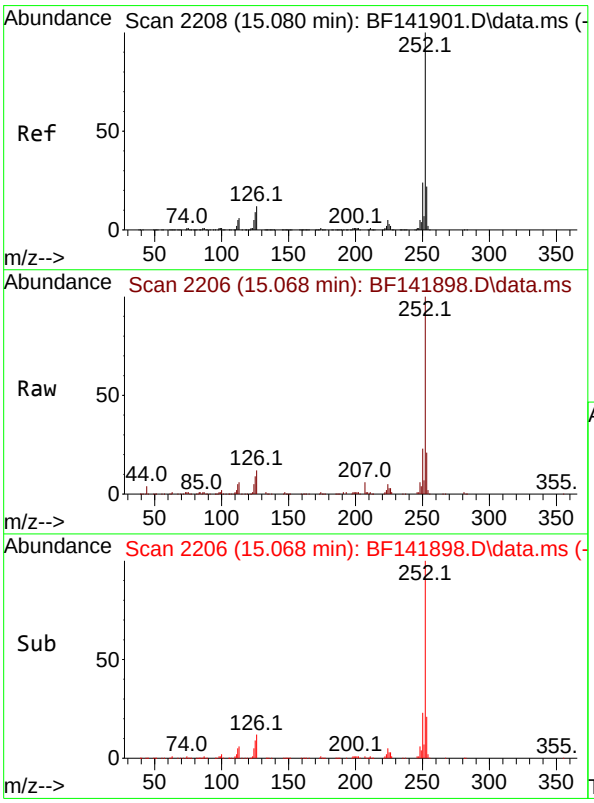
#87
Indeno(1,2,3-cd)pyrene
Concen: 4.228 ng
RT: 16.980 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:276 Resp: 144536

Ion	Ratio	Lower	Upper
276	100		
138	23.7	18.4	27.6
277	25.1	20.3	30.5

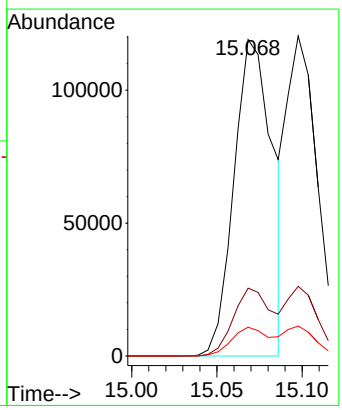


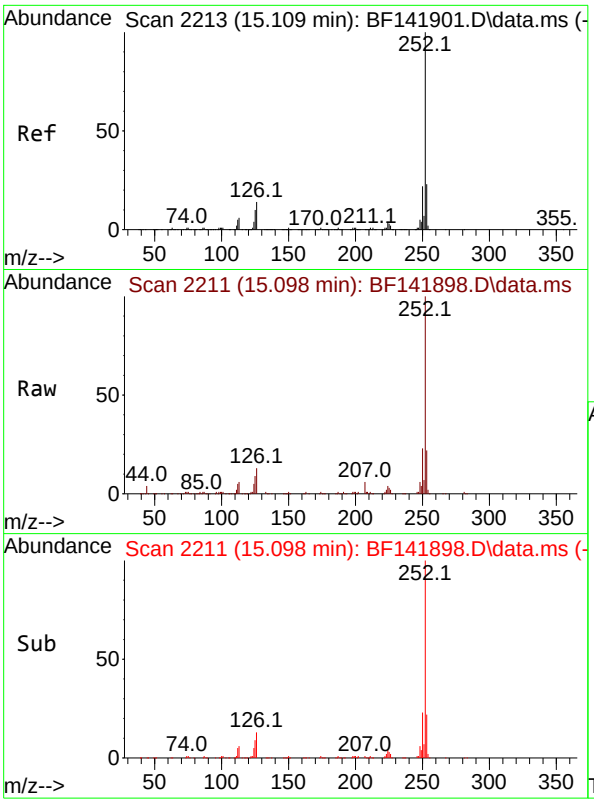


#88
Benzo(b)fluoranthene
Concen: 5.234 ng
RT: 15.068 min Scan# 2206
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:252 Resp: 187154

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.5	26.3
125	9.1	7.0	10.4



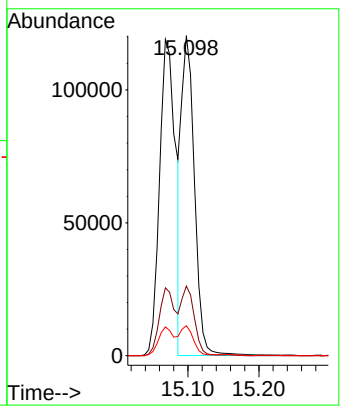


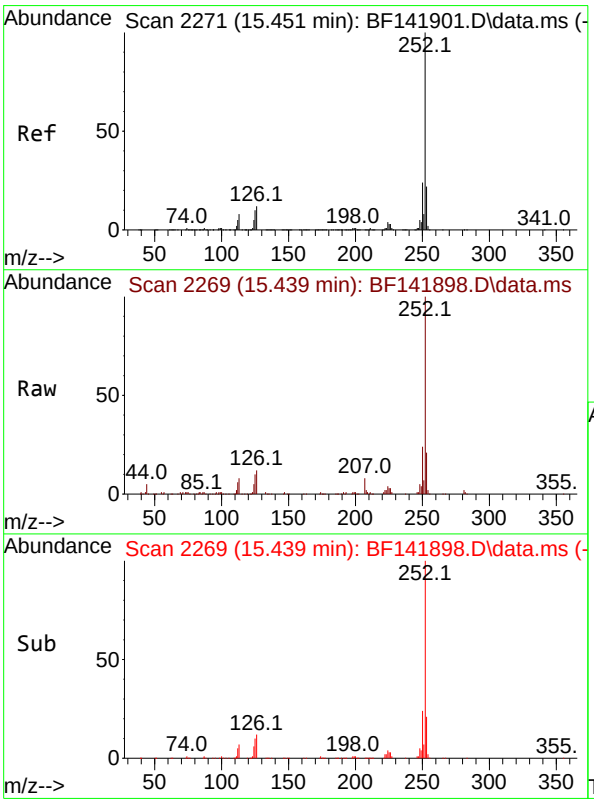
#89
Benzo(k)fluoranthene
Concen: 4.903 ng
RT: 15.098 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 153142

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	9.4	7.2	10.8

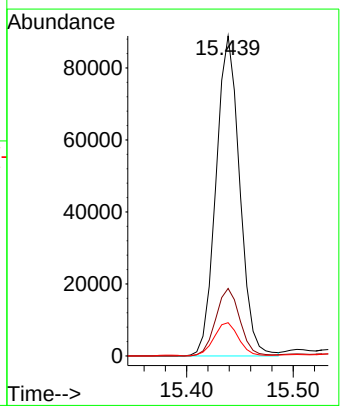


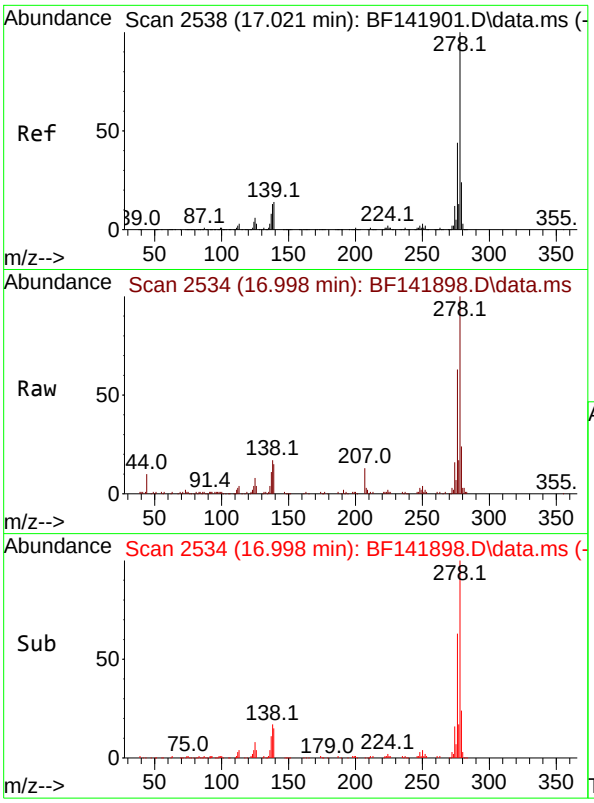


#90
Benzo(a)pyrene
Concen: 4.860 ng
RT: 15.439 min Scan# 2269
Delta R.T. -0.012 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:252 Resp: 137043

Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.4	26.0
125	10.4	7.8	11.8



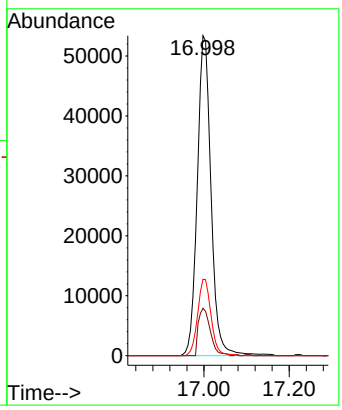


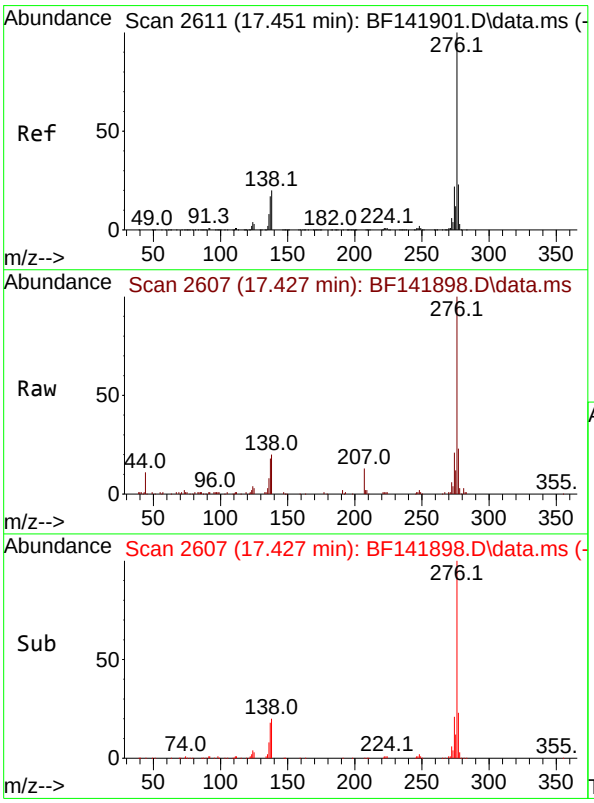
#91
Dibenzo(a,h)anthracene
Concen: 4.252 ng
RT: 16.998 min Scan# 2
Delta R.T. -0.024 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:278 Resp: 119937

Ion	Ratio	Lower	Upper
278	100		
139	14.8	11.4	17.2
279	23.9	18.8	28.2

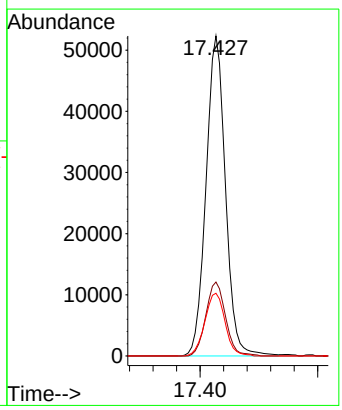




#92
Benzo(g,h,i)perylene
Concen: 4.294 ng
RT: 17.427 min Scan# 2607
Delta R.T. -0.024 min
Lab File: BF141898.D
Acq: 10 Mar 2025 11:30

Tgt Ion:276 Resp: 120142

Ion	Ratio	Lower	Upper
276	100		
277	23.1	18.7	28.1
138	19.6	15.8	23.8



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141899.D
Acq On : 10 Mar 2025 12:00
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Mar 10 15:33:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	224499	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	921725	20.000	ng		0.00
39) Acenaphthene-d10	9.916	164	541295	20.000	ng		0.00
64) Phenanthrene-d10	11.398	188	966771	20.000	ng		0.00
76) Chrysene-d12	14.039	240	703100	20.000	ng		0.00
86) Perylene-d12	15.510	264	510790	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.487	112	279139	20.746	ng		0.00
7) Phenol-d6	6.493	99	357672	20.872	ng		-0.01
23) Nitrobenzene-d5	7.434	82	328098	19.951	ng		-0.01
42) 2,4,6-Tribromophenol	10.698	330	127785	18.630	ng		0.00
45) 2-Fluorobiphenyl	9.234	172	746589	21.003	ng		0.00
79) Terphenyl-d14	12.980	244	920159	19.345	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.675	88	54068	9.588	ng		98
3) Pyridine	3.440	79	135148	9.752	ng		99
4) n-Nitrosodimethylamine	3.369	42	62411	9.474	ng	#	98
6) Aniline	6.540	93	179854	10.631	ng		99
8) 2-Chlorophenol	6.657	128	151998	10.192	ng		97
9) Benzaldehyde	6.428	77	114586	11.963	ng		99
10) Phenol	6.504	94	187967	10.396	ng		98
11) bis(2-Chloroethyl)ether	6.610	93	139813	10.321	ng		99
12) 1,3-Dichlorobenzene	6.822	146	167192	10.374	ng		98
13) 1,4-Dichlorobenzene	6.898	146	168717	10.347	ng		98
14) 1,2-Dichlorobenzene	7.051	146	159032	10.357	ng		98
15) Benzyl Alcohol	7.010	79	140530	10.132	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	171225	10.487	ng		98
17) 2-Methylphenol	7.116	107	117869	9.945	ng		99
18) Hexachloroethane	7.392	117	61809	10.111	ng		100
19) n-Nitroso-di-n-propyla...	7.281	70	112281	10.194	ng		97
20) 3+4-Methylphenols	7.269	107	156526	10.296	ng		92
22) Acetophenone	7.281	105	227350	10.282	ng		99
24) Nitrobenzene	7.457	77	161777	9.922	ng		99
25) Isophorone	7.692	82	285760	9.842	ng		99
26) 2-Nitrophenol	7.775	139	73301	9.174	ng		98
27) 2,4-Dimethylphenol	7.804	122	107669	9.784	ng		99
28) bis(2-Chloroethoxy)met...	7.904	93	187307	10.298	ng		98
29) 2,4-Dichlorophenol	8.010	162	135772	9.941	ng		98
30) 1,2,4-Trichlorobenzene	8.098	180	149790	9.941	ng		99
31) Naphthalene	8.181	128	495470	10.493	ng		99
32) Benzoic acid	7.869	122	68640	7.136	ng		98
33) 4-Chloroaniline	8.228	127	173977	10.441	ng		98
34) Hexachlorobutadiene	8.298	225	97298	9.931	ng		98
35) Caprolactam	8.563	113	41208	9.922	ng		97
36) 4-Chloro-3-methylphenol	8.698	107	152340	10.029	ng		96
37) 2-Methylnaphthalene	8.869	142	326733	10.313	ng		99
38) 1-Methylnaphthalene	8.969	142	318324	10.376	ng		98
40) 1,2,4,5-Tetrachloroben...	9.034	216	163481	9.905	ng		99
41) Hexachlorocyclopentadiene	9.022	237	59769	9.177	ng		99
43) 2,4,6-Trichlorophenol	9.145	196	105191	9.777	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141899.D
Acq On : 10 Mar 2025 12:00
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Mar 10 15:33:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.181	196	105943	9.692	ng		99
46) 1,1'-Biphenyl	9.334	154	425640	10.372	ng		98
47) 2-Chloronaphthalene	9.357	162	308729	10.094	ng		98
48) 2-Nitroaniline	9.451	65	84854	9.658	ng		98
49) Acenaphthylene	9.775	152	470801	10.383	ng		99
50) Dimethylphthalate	9.628	163	382722	10.176	ng		100
51) 2,6-Dinitrotoluene	9.692	165	75577	9.663	ng		97
52) Acenaphthene	9.945	154	323406	10.101	ng		100
53) 3-Nitroaniline	9.857	138	79944	9.955	ng		96
54) 2,4-Dinitrophenol	9.963	184	23121	11.386	ng	#	71
55) Dibenzofuran	10.116	168	483596	10.593	ng		98
56) 4-Nitrophenol	10.004	139	58549	9.706	ng		98
57) 2,4-Dinitrotoluene	10.092	165	103313	10.035	ng		98
58) Fluorene	10.463	166	368370	10.452	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	98725	9.954	ng		99
60) Diethylphthalate	10.328	149	398003	10.542	ng		100
61) 4-Chlorophenyl-phenyle...	10.451	204	186237	10.145	ng		99
62) 4-Nitroaniline	10.463	138	78048	10.030	ng		97
63) Azobenzene	10.610	77	368982	10.521	ng		99
65) 4,6-Dinitro-2-methylph...	10.498	198	40348	7.040	ng		99
66) n-Nitrosodiphenylamine	10.569	169	314758	10.078	ng		99
67) 4-Bromophenyl-phenylether	10.945	248	120534	10.011	ng		97
68) Hexachlorobenzene	11.010	284	129242	9.712	ng		98
69) Atrazine	11.092	200	102822	13.502	ng		99
70) Pentachlorophenol	11.198	266	73112	8.909	ng		99
71) Phenanthrene	11.422	178	556546	10.646	ng		98
72) Anthracene	11.475	178	550767	10.501	ng		100
73) Carbazole	11.628	167	480520	10.641	ng		99
74) Di-n-butylphthalate	11.957	149	638429	10.708	ng		99
75) Fluoranthene	12.610	202	592806	10.801	ng		99
77) Benzidine	12.733	184	108761	10.946	ng		99
78) Pyrene	12.839	202	580442	9.626	ng		99
80) Butylbenzylphthalate	13.457	149	230714	9.710	ng		98
81) Benzo(a)anthracene	14.027	228	458422	9.911	ng		99
82) 3,3'-Dichlorobenzidine	13.986	252	136843	10.236	ng		99
83) Chrysene	14.063	228	419687	10.100	ng		99
84) Bis(2-ethylhexyl)phtha...	14.016	149	320536	9.833	ng		99
85) Di-n-octyl phthalate	14.627	149	428377	9.442	ng		100
87) Indeno(1,2,3-cd)pyrene	16.986	276	291723	8.807	ng		99
88) Benzo(b)fluoranthene	15.074	252	334664	9.659	ng		99
89) Benzo(k)fluoranthene	15.104	252	323772	10.698	ng		99
90) Benzo(a)pyrene	15.439	252	266149	9.740	ng		99
91) Dibenzo(a,h)anthracene	17.004	278	243443	8.907	ng		98
92) Benzo(g,h,i)perylene	17.433	276	242380	8.941	ng		99

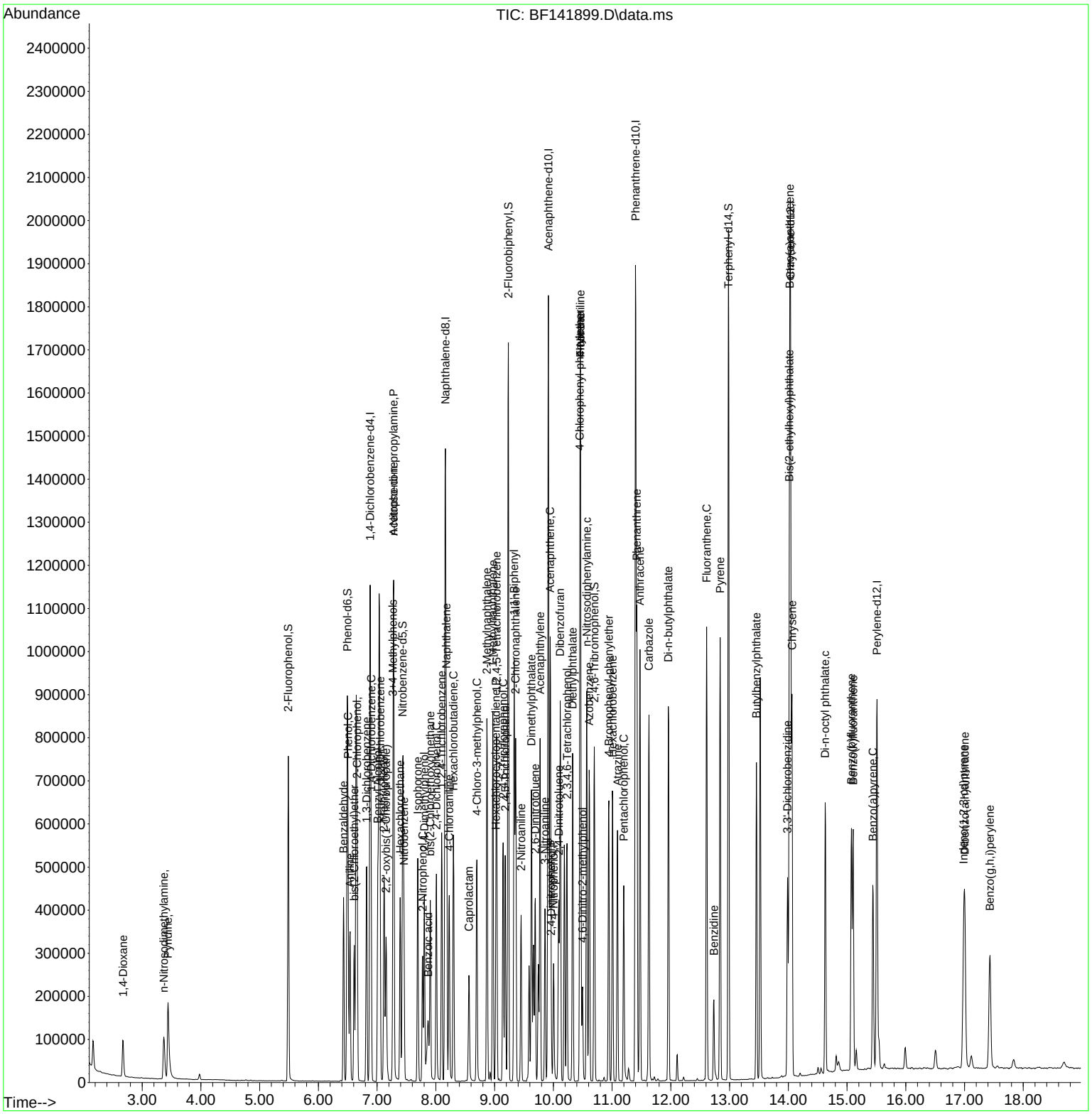
(#) = qualifier out of range (m) = manual integration (+) = signals summed

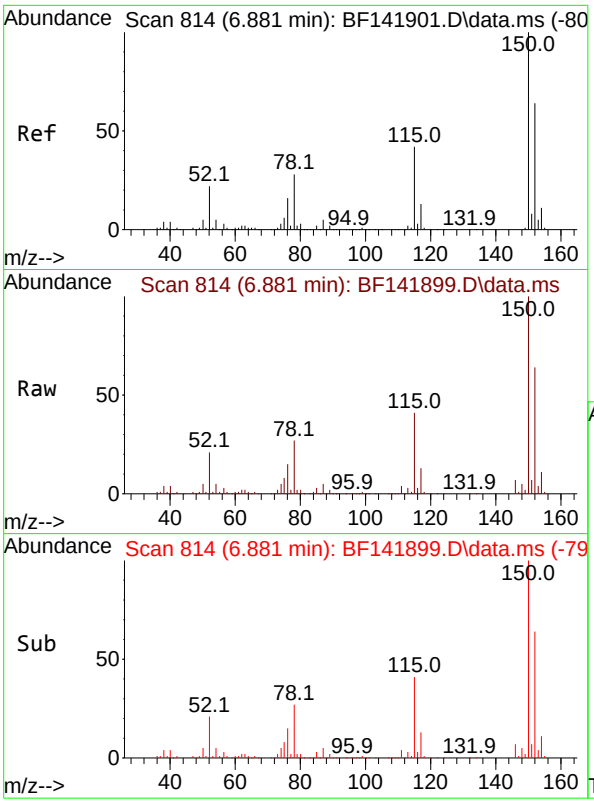
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141899.D
Acq On : 10 Mar 2025 12:00
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Mar 10 15:33:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration



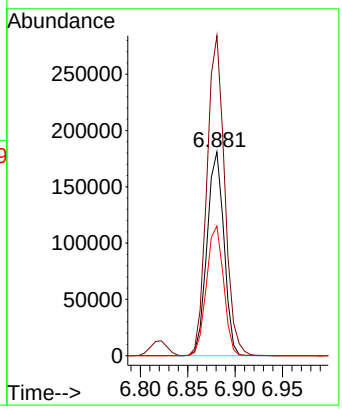


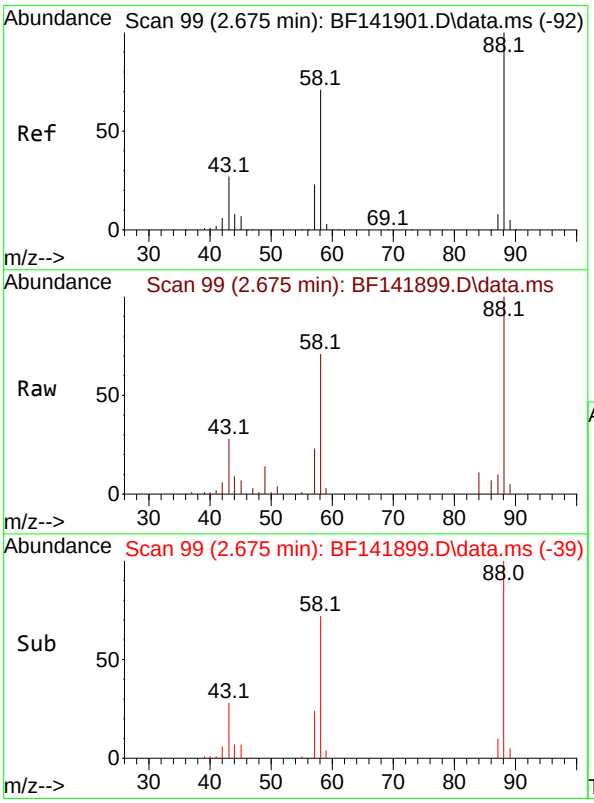
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 224499

Ion	Ratio	Lower	Upper
152	100		
150	157.0	127.4	191.2
115	63.6	51.9	77.9

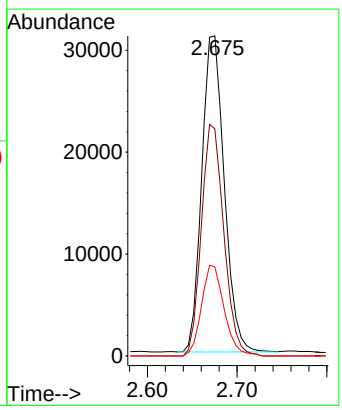


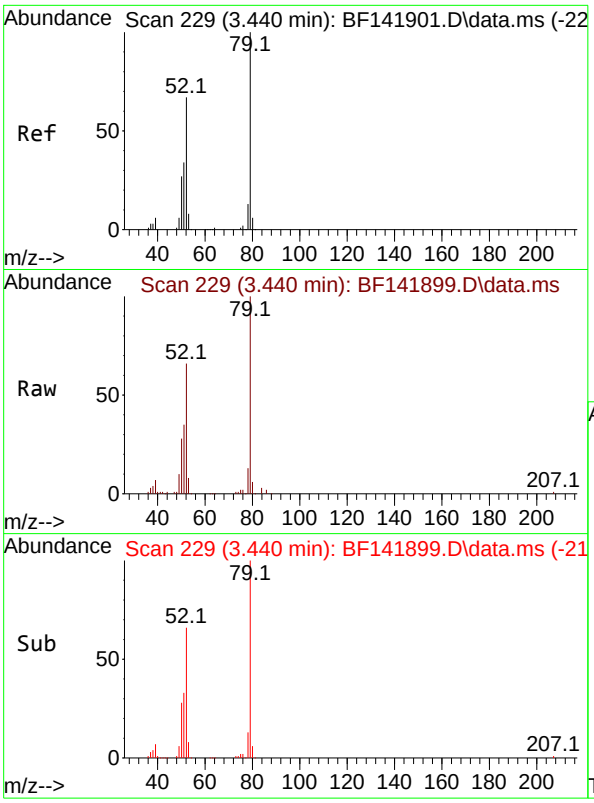


#2
1,4-Dioxane
Concen: 9.588 ng
RT: 2.675 min Scan# 99
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion: 88 Resp: 54068

Ion	Ratio	Lower	Upper
88	100		
58	72.9	57.4	86.2
43	28.8	21.5	32.3



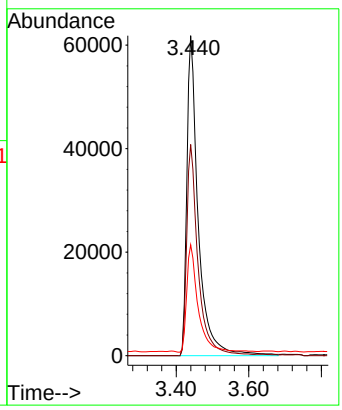


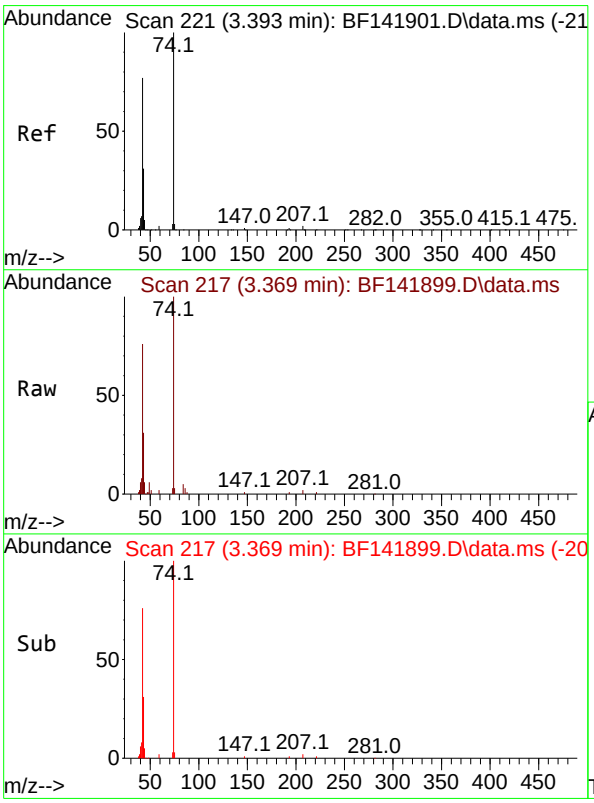
#3
Pyridine
Concen: 9.752 ng
RT: 3.440 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 135148

Ion	Ratio	Lower	Upper
79	100		
52	66.0	53.3	79.9
51	34.7	27.6	41.4

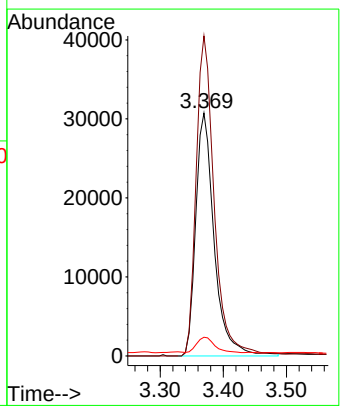


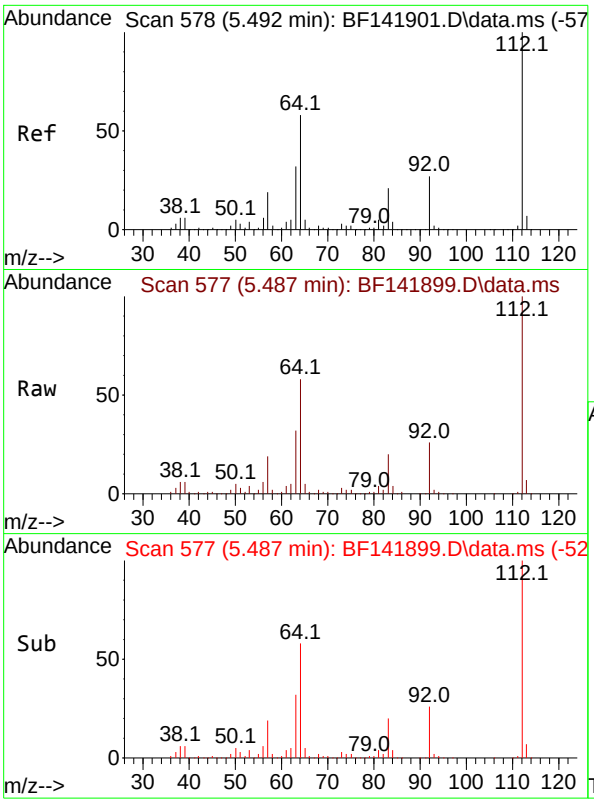


#4
n-Nitrosodimethylamine
Concen: 9.474 ng
RT: 3.369 min Scan# 217
Delta R.T. -0.023 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion: 42 Resp: 62411

Ion	Ratio	Lower	Upper
42	100		
74	131.7	103.4	155.0
44	7.7	5.0	7.4#



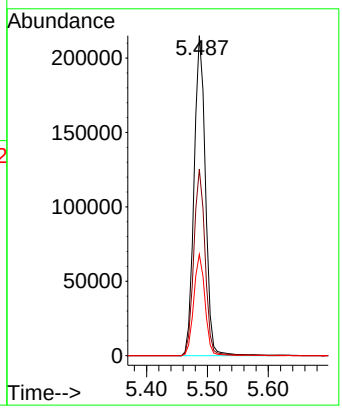


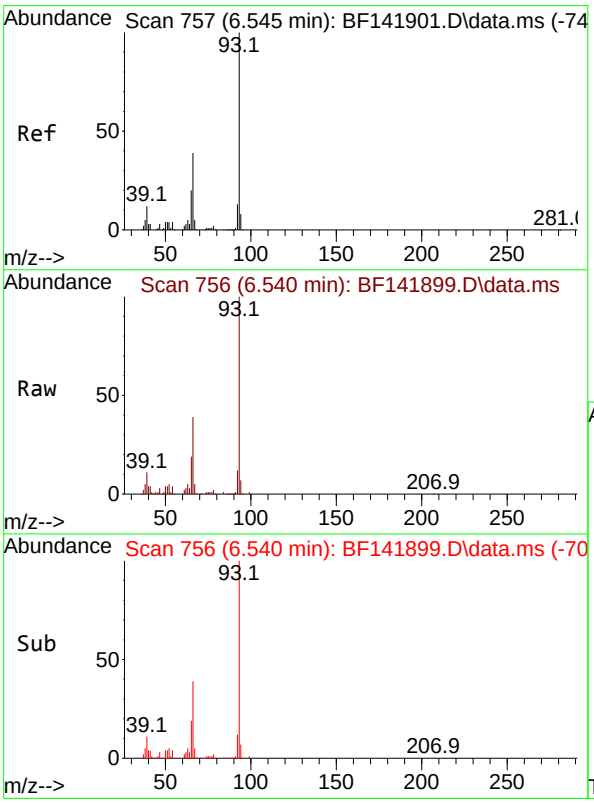
#5
2-Fluorophenol
Concen: 20.746 ng
RT: 5.487 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:112 Resp: 279139

Ion	Ratio	Lower	Upper
112	100		
64	58.3	46.5	69.7
63	31.6	25.4	38.2

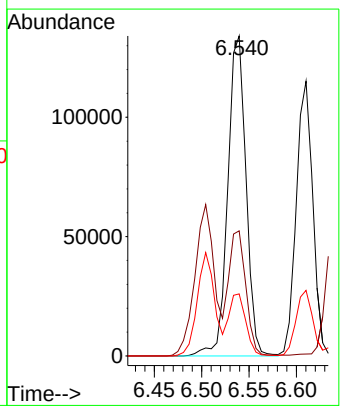


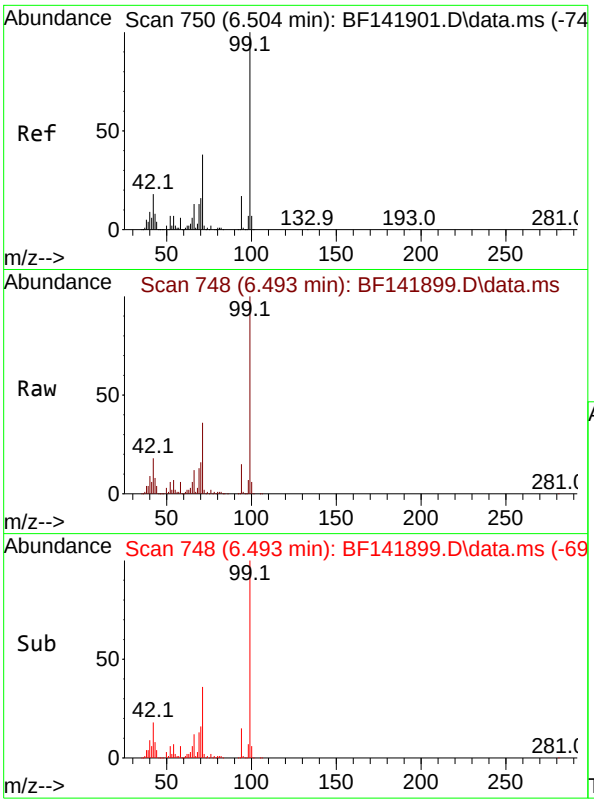


#6
Aniline
Concen: 10.631 ng
RT: 6.540 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion: 93 Resp: 179854

Ion	Ratio	Lower	Upper
93	100		
66	39.1	31.9	47.9
65	19.4	15.8	23.6



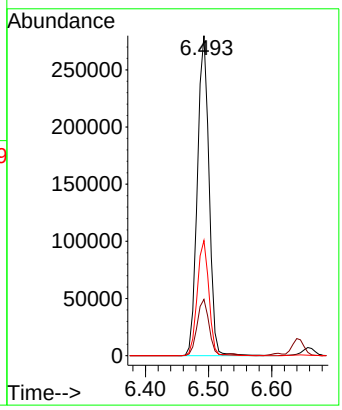


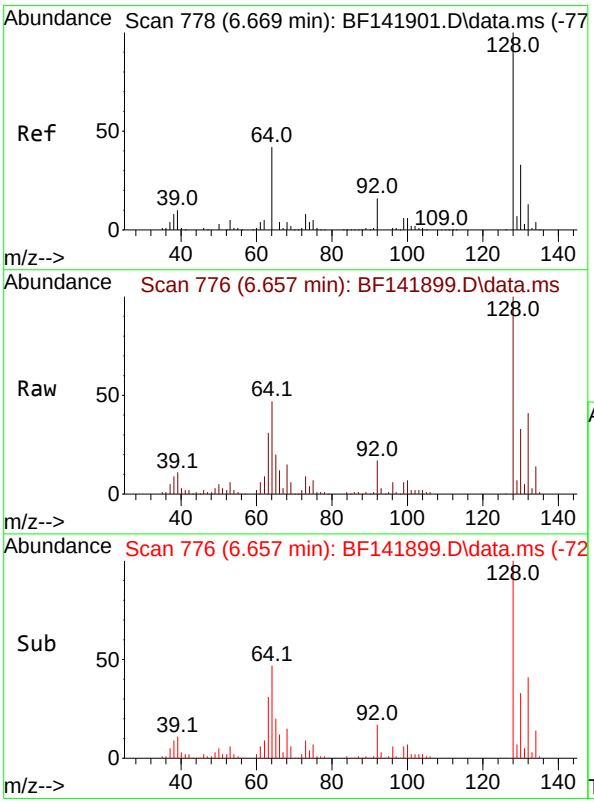
#7
Phenol-d6
Concen: 20.872 ng
RT: 6.493 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 99 Resp: 357672

Ion	Ratio	Lower	Upper
99	100		
42	17.6	14.6	21.8
71	36.0	30.8	46.2

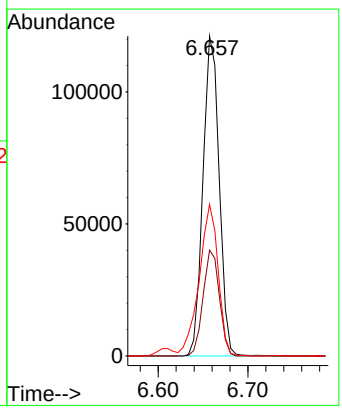


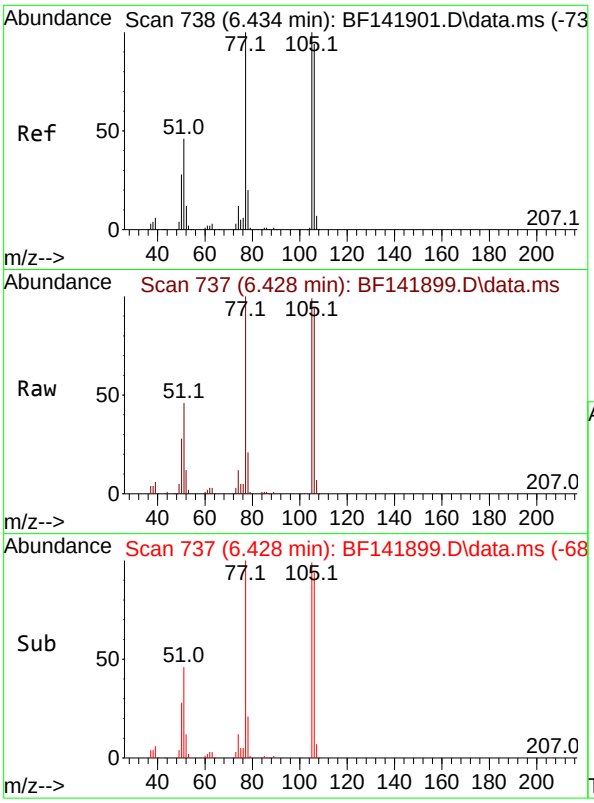


#8
2-Chlorophenol
Concen: 10.192 ng
RT: 6.657 min Scan# 776
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:128 Resp: 151998

Ion	Ratio	Lower	Upper
128	100		
130	33.1	12.8	52.8
64	47.3	24.4	64.4



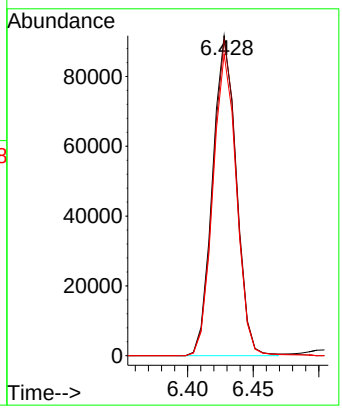


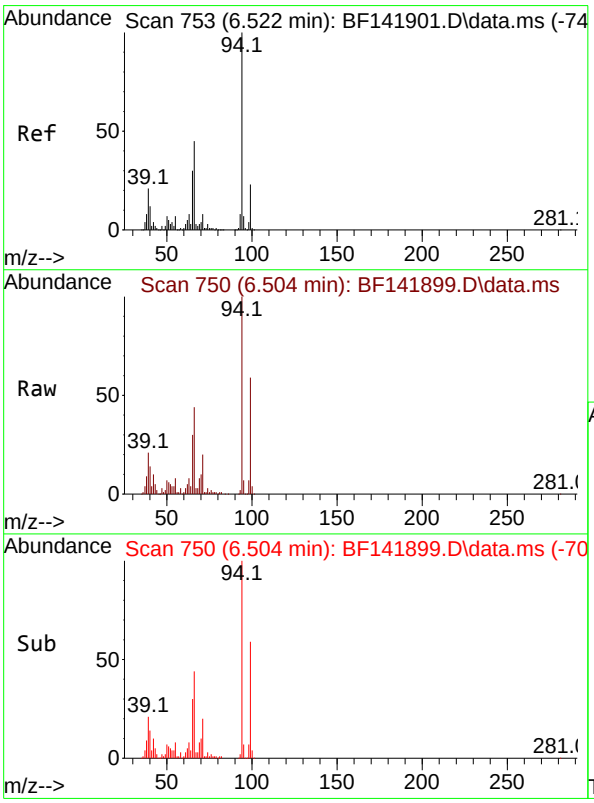
#9
Benzaldehyde
Concen: 11.963 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 114586

Ion	Ratio	Lower	Upper
77	100		
105	98.6	80.0	120.0
106	94.3	74.5	114.5

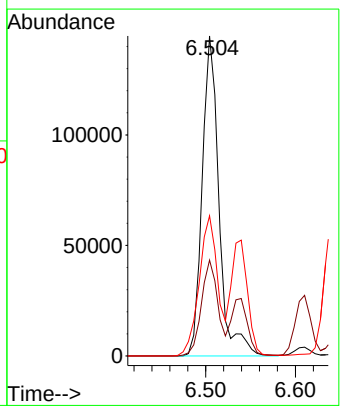


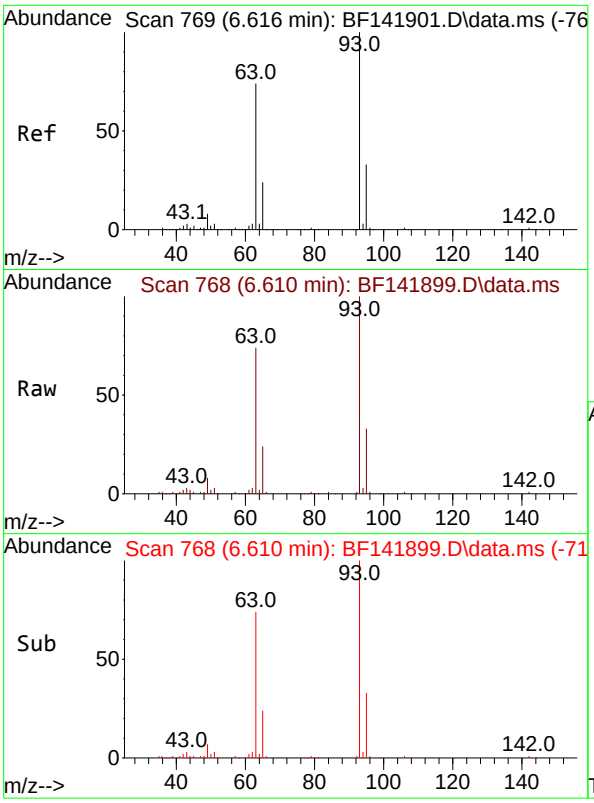


#10
Phenol
Concen: 10.396 ng
RT: 6.504 min Scan# 750
Delta R.T. -0.017 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion: 94 Resp: 187967

Ion	Ratio	Lower	Upper
94	100		
65	29.9	10.5	50.5
66	43.8	25.8	65.8



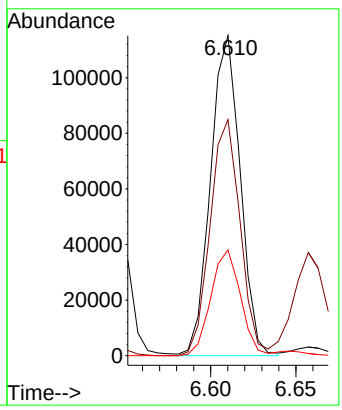


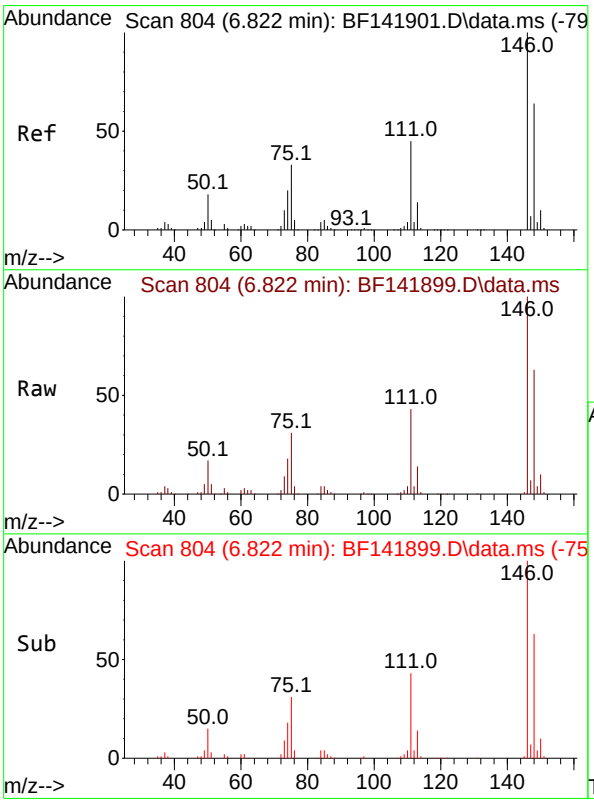
#11
bis(2-Chloroethyl)ether
Concen: 10.321 ng
RT: 6.610 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 93 Resp: 139813

Ion	Ratio	Lower	Upper
93	100		
63	73.7	53.0	93.0
95	33.0	12.9	52.9

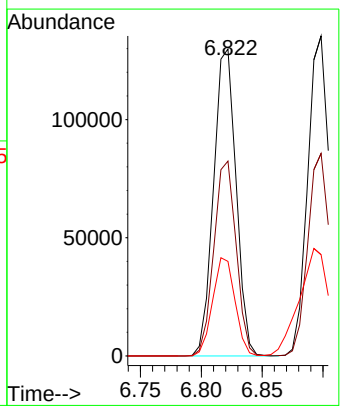


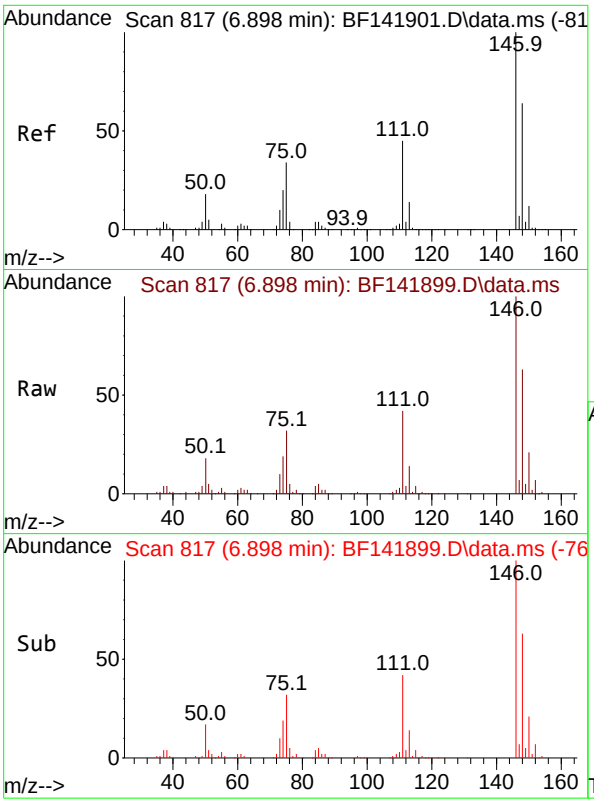


#12
1,3-Dichlorobenzene
Concen: 10.374 ng
RT: 6.822 min Scan# 804
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:146 Resp: 167192

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.3	76.9
75	30.8	26.6	40.0



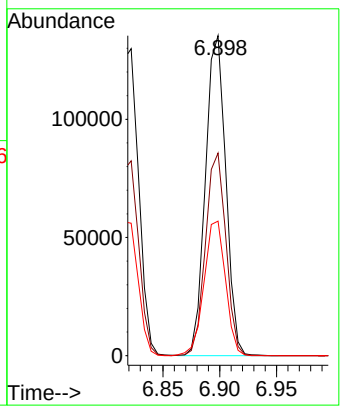


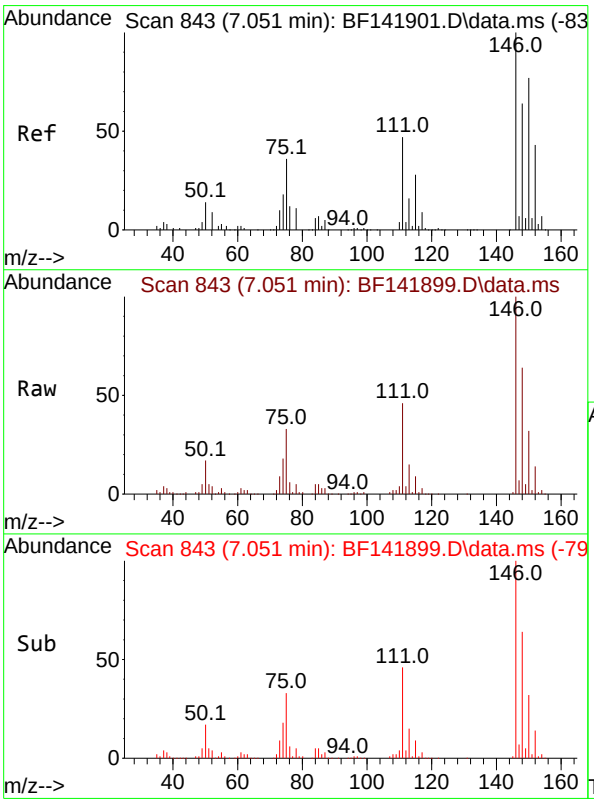
#13
1,4-Dichlorobenzene
Concen: 10.347 ng
RT: 6.898 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:146 Resp: 168717

Ion	Ratio	Lower	Upper
146	100		
148	63.3	51.0	76.6
111	42.1	35.7	53.5

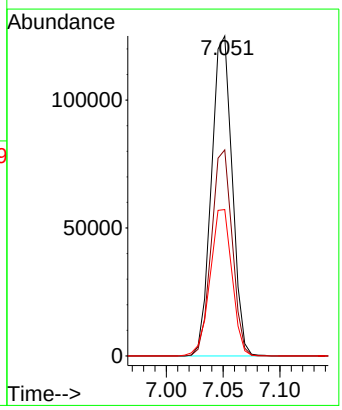


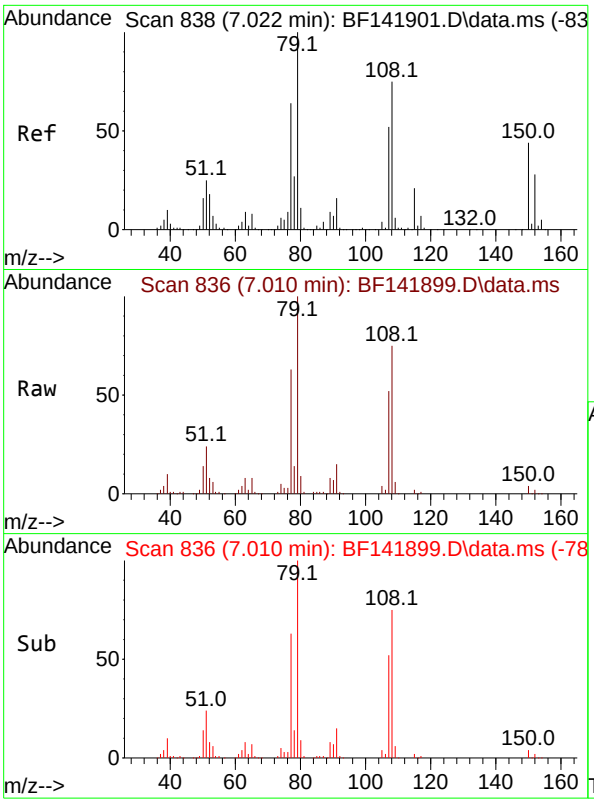


#14
1,2-Dichlorobenzene
Concen: 10.357 ng
RT: 7.051 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:146 Resp: 159032

Ion	Ratio	Lower	Upper
146	100		
148	64.4	50.8	76.2
111	45.8	38.0	57.0



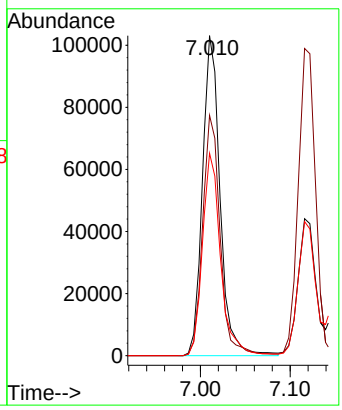


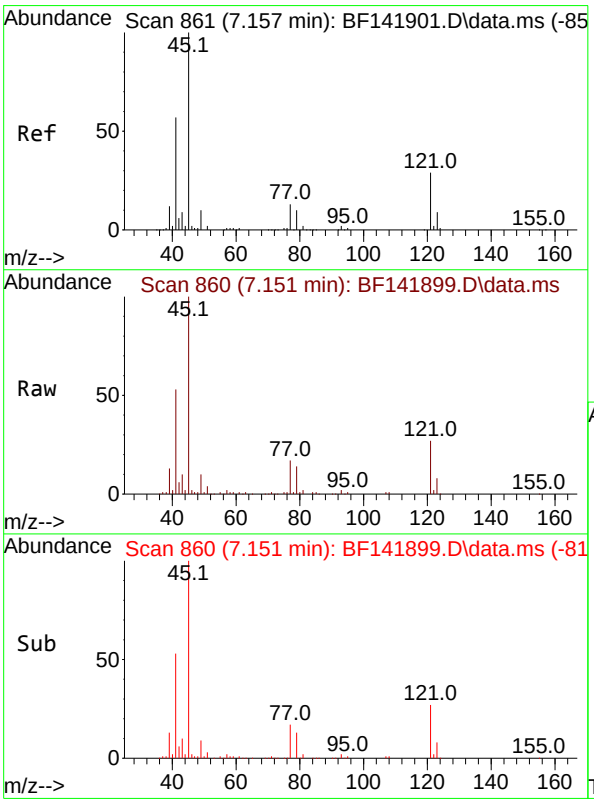
#15
Benzyl Alcohol
Concen: 10.132 ng
RT: 7.010 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 140530

Ion	Ratio	Lower	Upper
79	100		
108	75.1	59.7	89.5
77	63.3	51.0	76.6

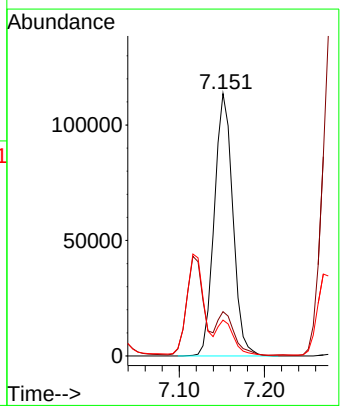


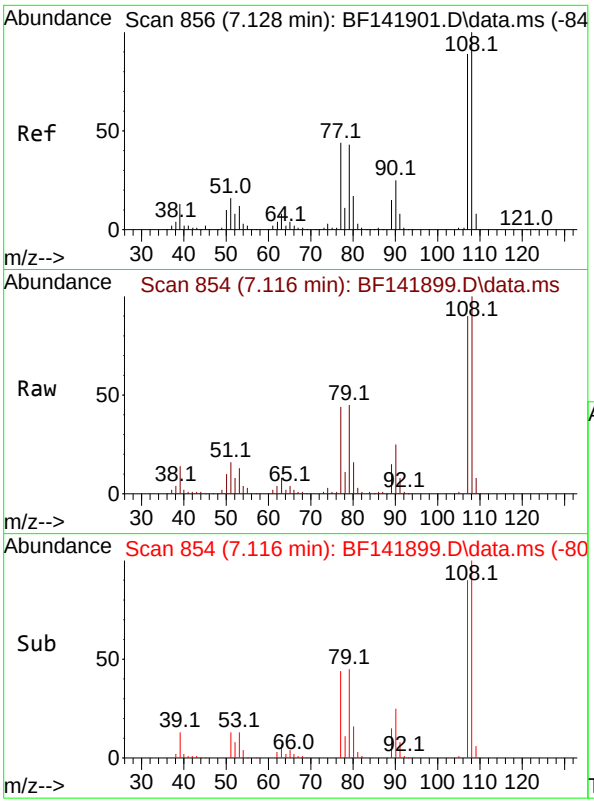


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.487 ng
RT: 7.151 min Scan# 860
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion: 45 Resp: 171225

Ion	Ratio	Lower	Upper
45	100		
77	16.9	0.0	37.8
79	13.7	0.0	34.2



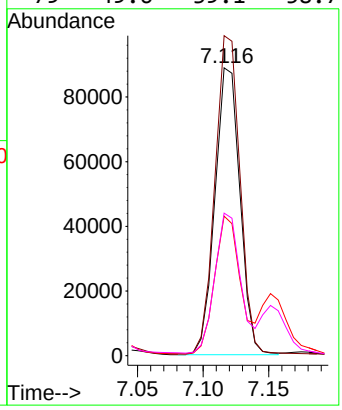


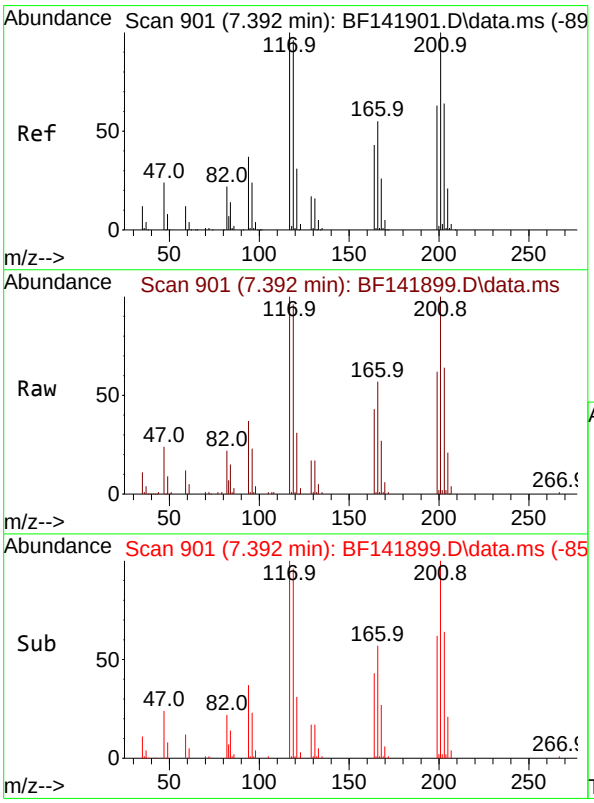
#17
2-Methylphenol
Concen: 9.945 ng
RT: 7.116 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:107 Resp: 117869

Ion	Ratio	Lower	Upper
107	100		
108	111.2	90.2	135.2
77	48.5	39.6	59.4
79	49.6	39.1	58.7

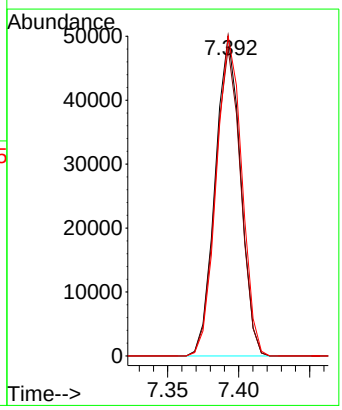


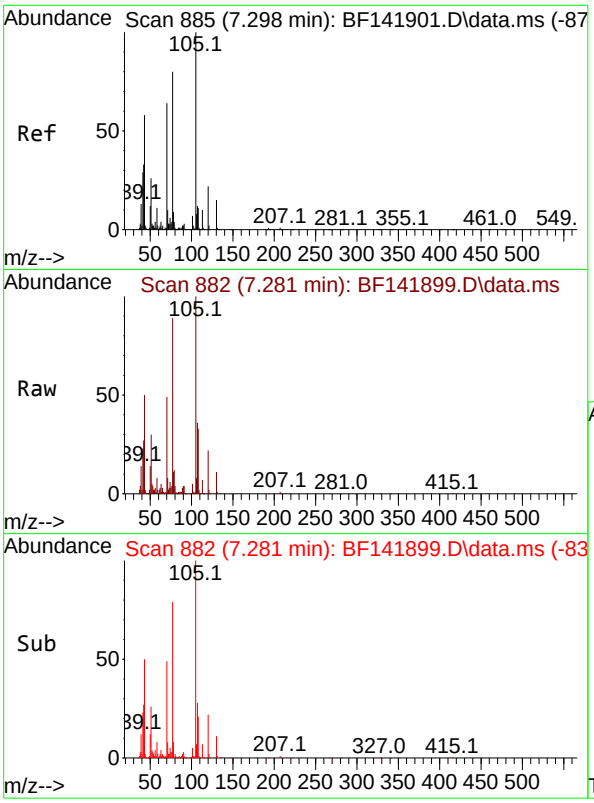


#18
Hexachloroethane
Concen: 10.111 ng
RT: 7.392 min Scan# 901
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:117 Resp: 61809

Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.9	115.3
201	99.9	79.9	119.9



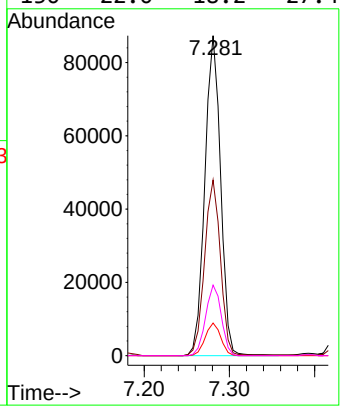


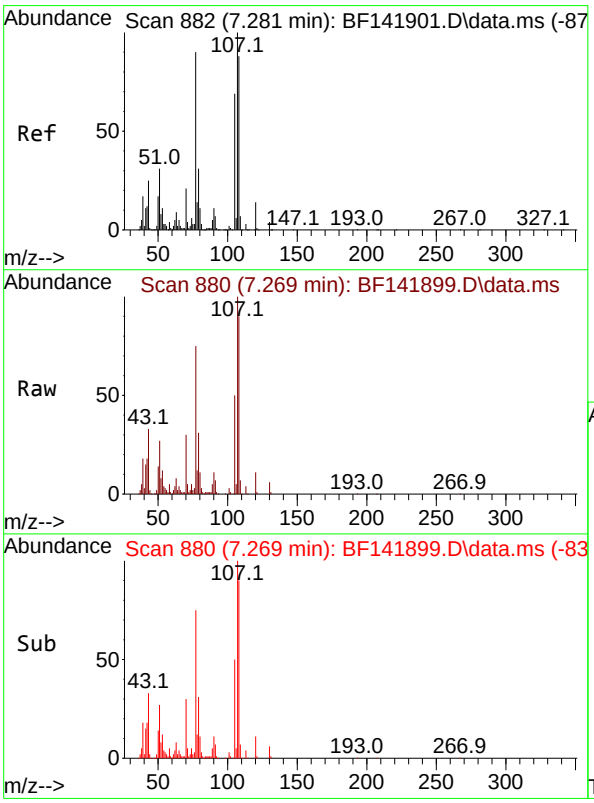
#19
n-Nitroso-di-n-propylamine
Concen: 10.194 ng
RT: 7.281 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 70 Resp: 112281

Ion	Ratio	Lower	Upper
70	100		
42	54.9	41.4	62.0
101	10.2	8.2	12.2
130	22.0	18.2	27.4

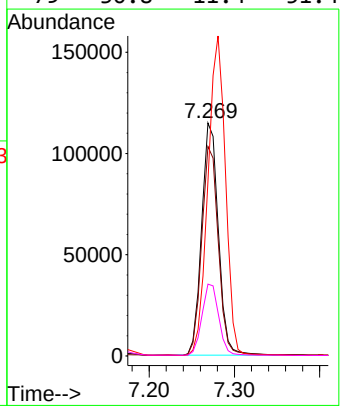


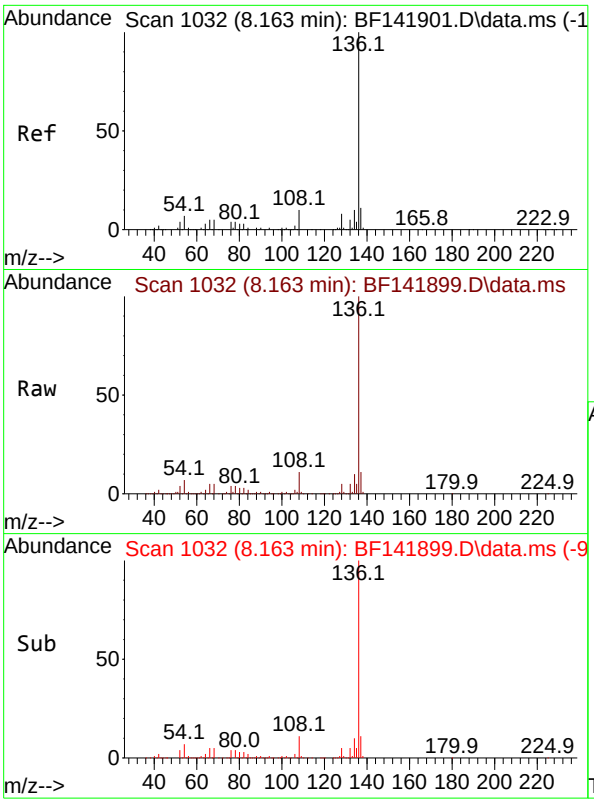


#20
3+4-Methylphenols
Concen: 10.296 ng
RT: 7.269 min Scan# 880
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:107 Resp: 156526

Ion	Ratio	Lower	Upper
107	100		
108	89.9	68.4	108.4
77	75.0	69.7	109.7
79	30.8	11.4	51.4



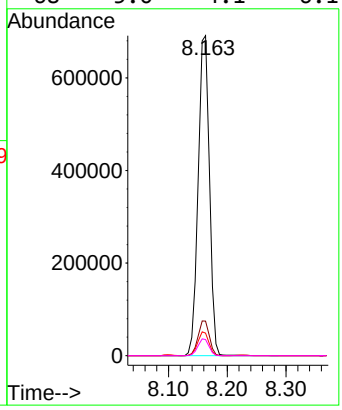


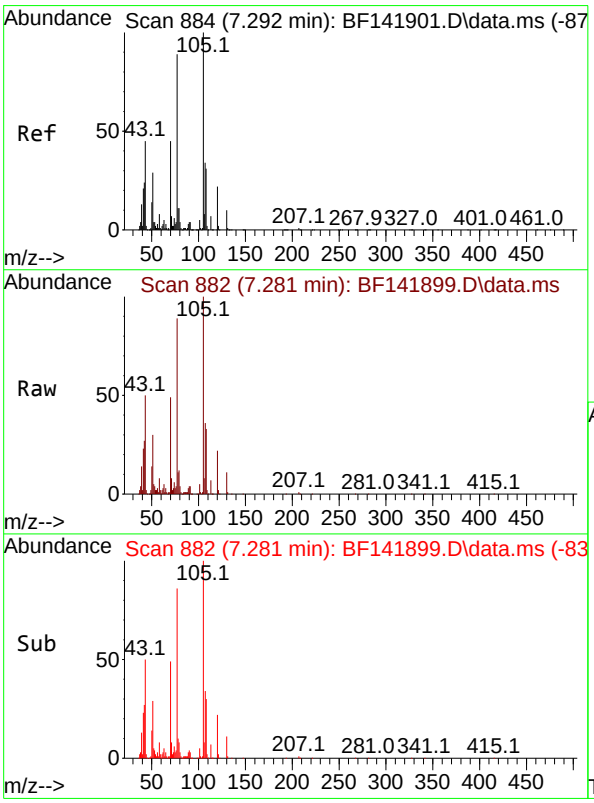
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:136 Resp: 921725

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	7.0	5.8	8.8
68	5.0	4.1	6.1

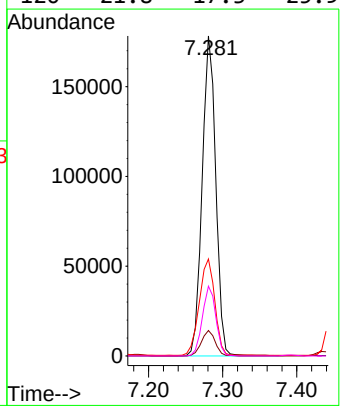


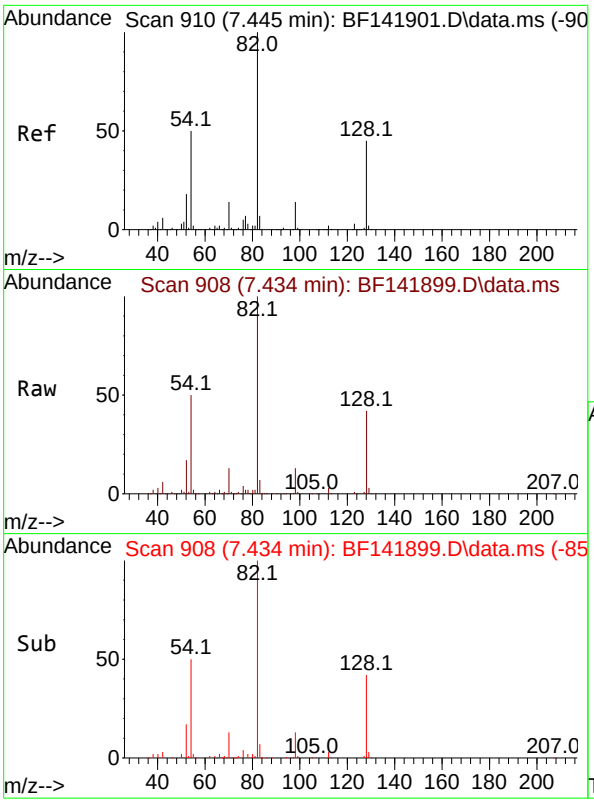


#22
Acetophenone
Concen: 10.282 ng
RT: 7.281 min Scan# 882
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:105 Resp: 227350

Ion	Ratio	Lower	Upper
105	100		
71	8.0	5.8	8.8
51	30.3	23.4	35.0
120	21.8	17.3	25.9



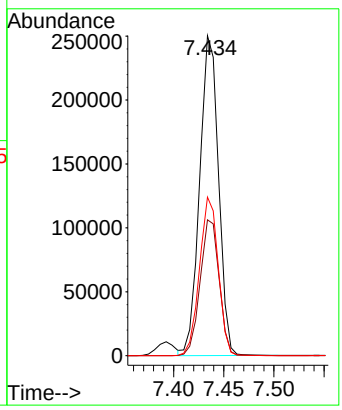


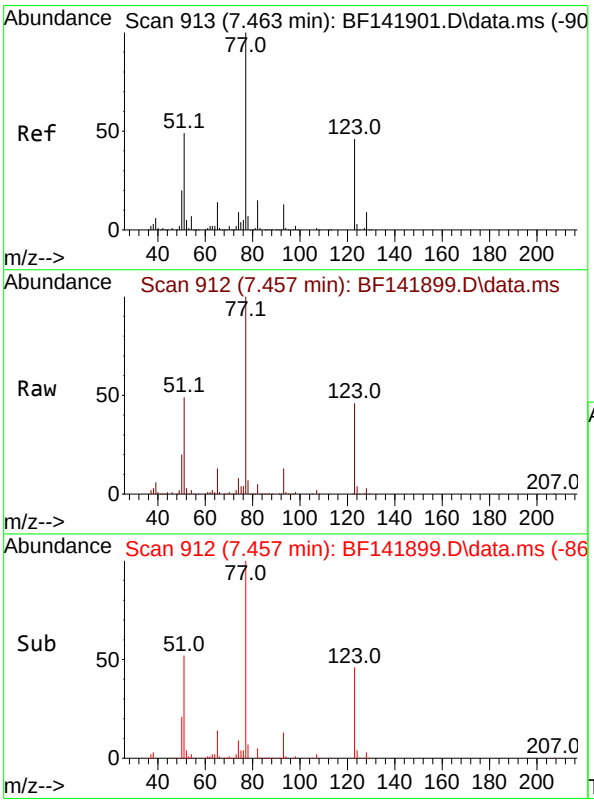
#23
Nitrobenzene-d5
Concen: 19.951 ng
RT: 7.434 min Scan# 9(
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 328098

Ion	Ratio	Lower	Upper
82	100		
128	42.5	36.0	54.0
54	49.6	39.6	59.4

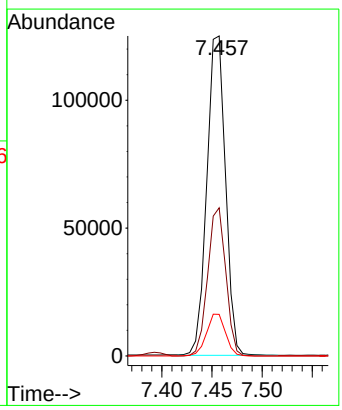


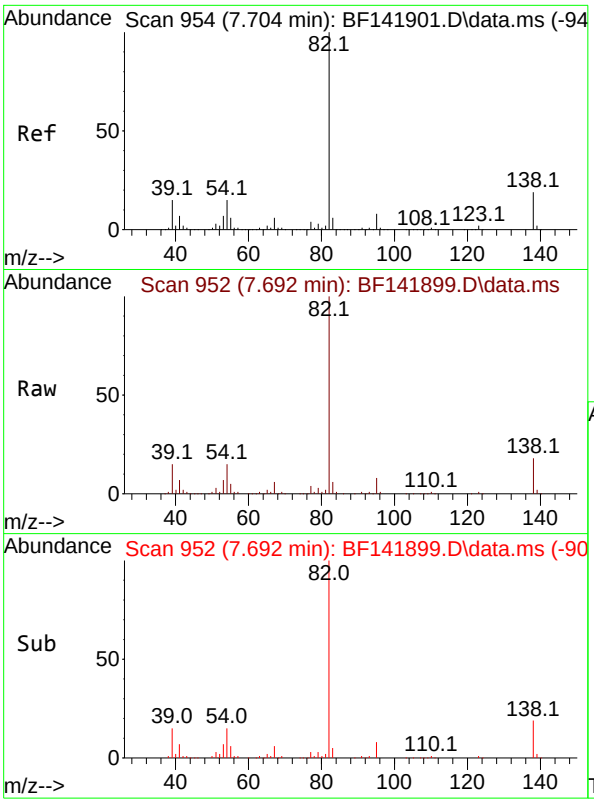


#24
Nitrobenzene
Concen: 9.922 ng
RT: 7.457 min Scan# 912
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion: 77 Resp: 161777

Ion	Ratio	Lower	Upper
77	100		
123	46.3	37.0	55.4
65	13.0	11.3	16.9



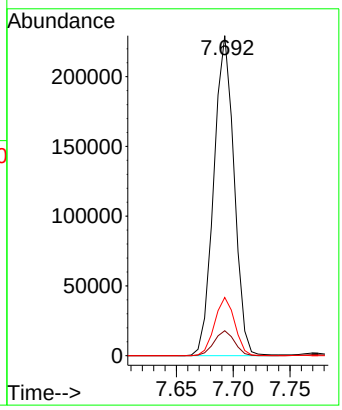


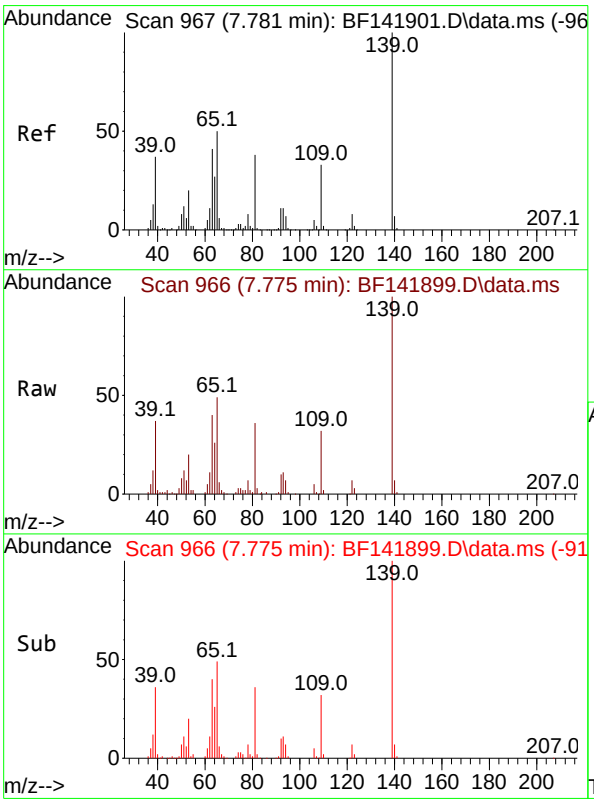
#25
Isophorone
Concen: 9.842 ng
RT: 7.692 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 285760

Ion	Ratio	Lower	Upper
82	100		
95	7.8	6.4	9.6
138	18.2	14.9	22.3

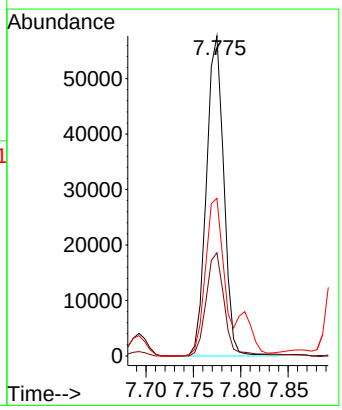


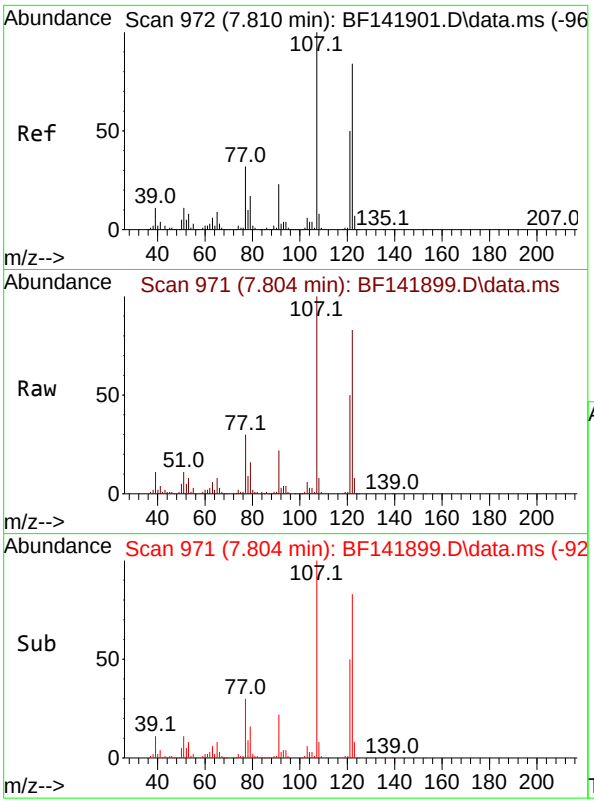


#26
2-Nitrophenol
Concen: 9.174 ng
RT: 7.775 min Scan# 966
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:139 Resp: 73301

Ion	Ratio	Lower	Upper
139	100		
109	32.2	26.5	39.7
65	49.3	40.3	60.5



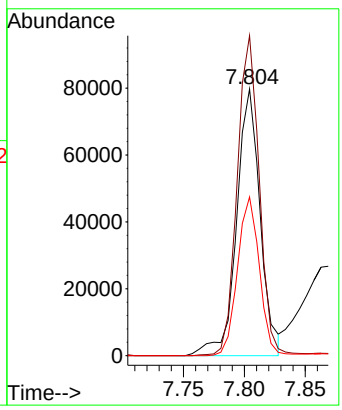


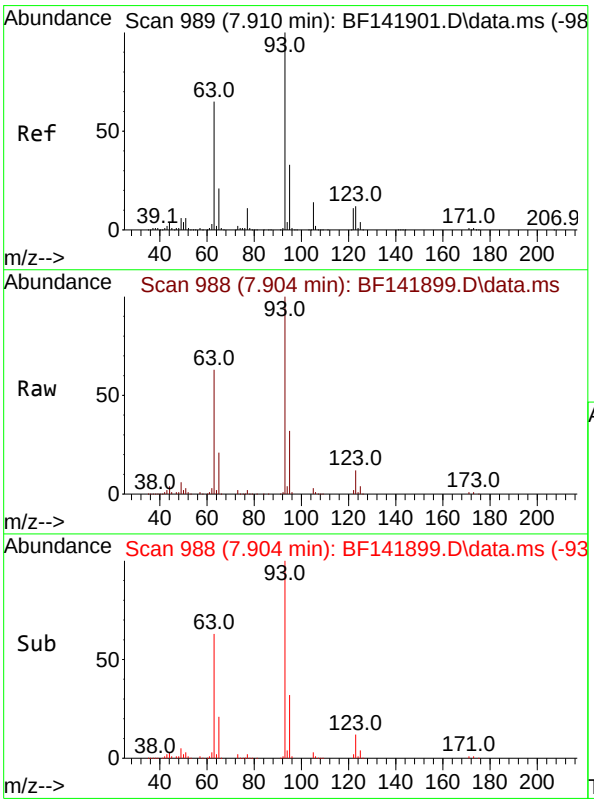
#27
2,4-Dimethylphenol
Concen: 9.784 ng
RT: 7.804 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:122 Resp: 107669

Ion	Ratio	Lower	Upper
122	100		
107	120.0	94.8	142.2
121	59.5	47.8	71.6

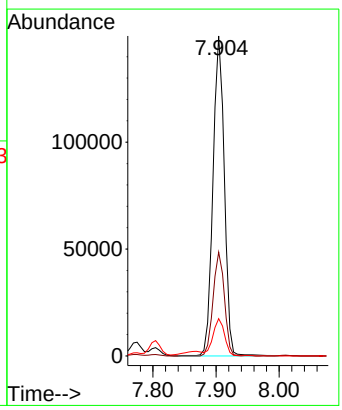


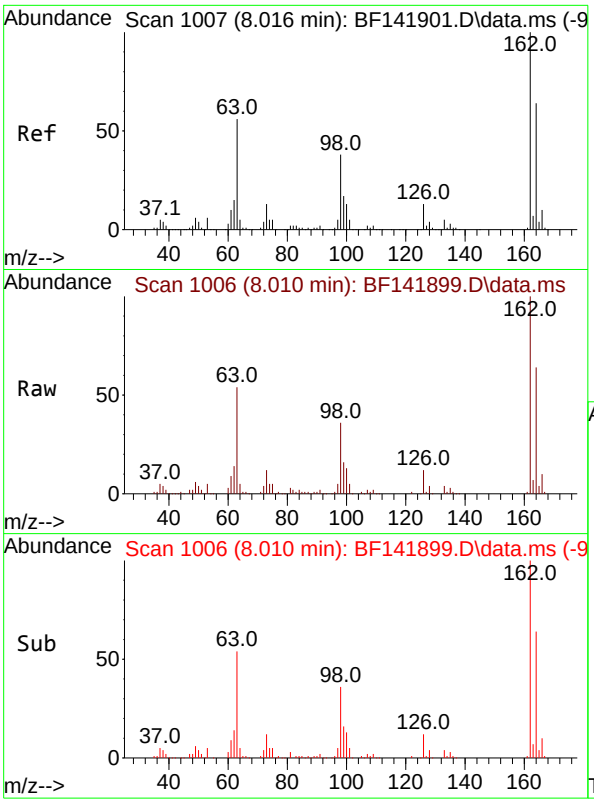


#28
bis(2-Chloroethoxy)methane
Concen: 10.298 ng
RT: 7.904 min Scan# 988
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion: 93 Resp: 187307

Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.6	40.0
123	11.6	10.2	15.4



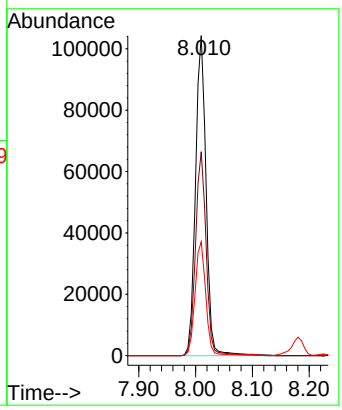


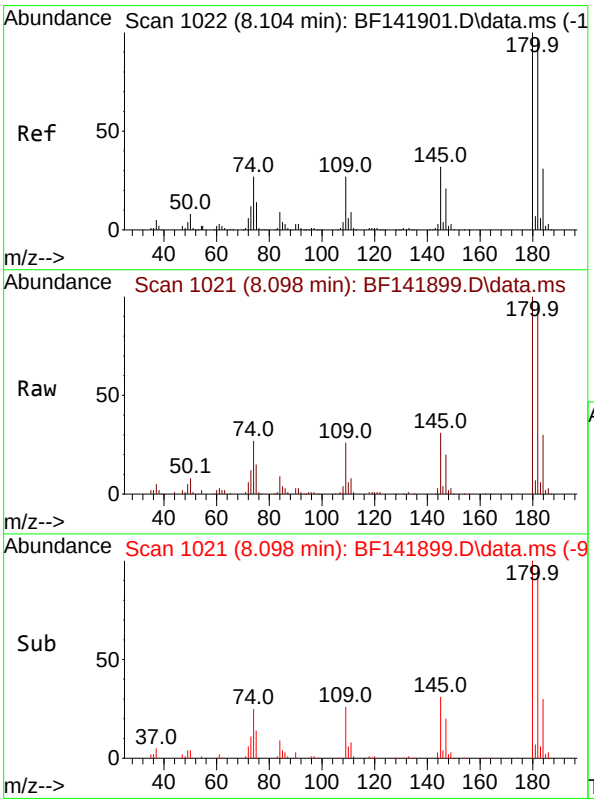
#29
2,4-Dichlorophenol
Concen: 9.941 ng
RT: 8.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 135772

Ion	Ratio	Lower	Upper
162	100		
164	63.7	43.8	83.8
98	35.6	18.1	58.1

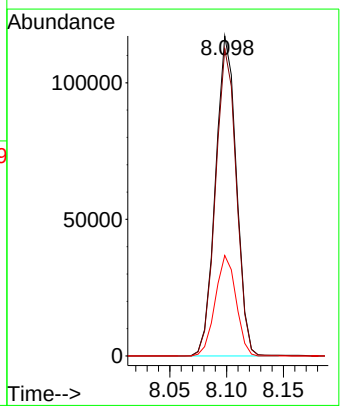


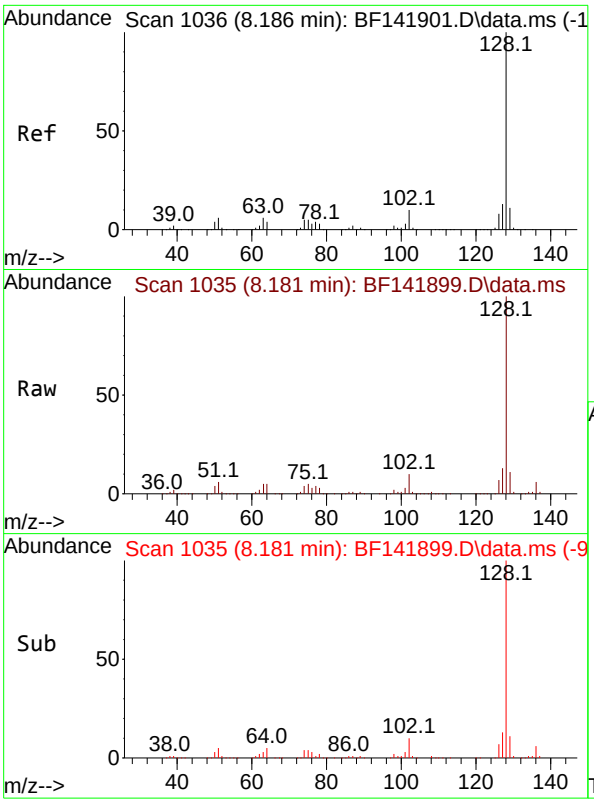


#30
1,2,4-Trichlorobenzene
Concen: 9.941 ng
RT: 8.098 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:180 Resp: 149790

Ion	Ratio	Lower	Upper
180	100		
182	96.1	77.5	116.3
145	31.4	25.8	38.6



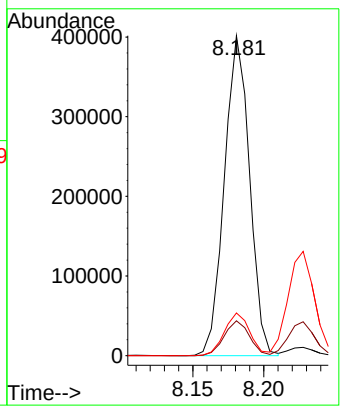


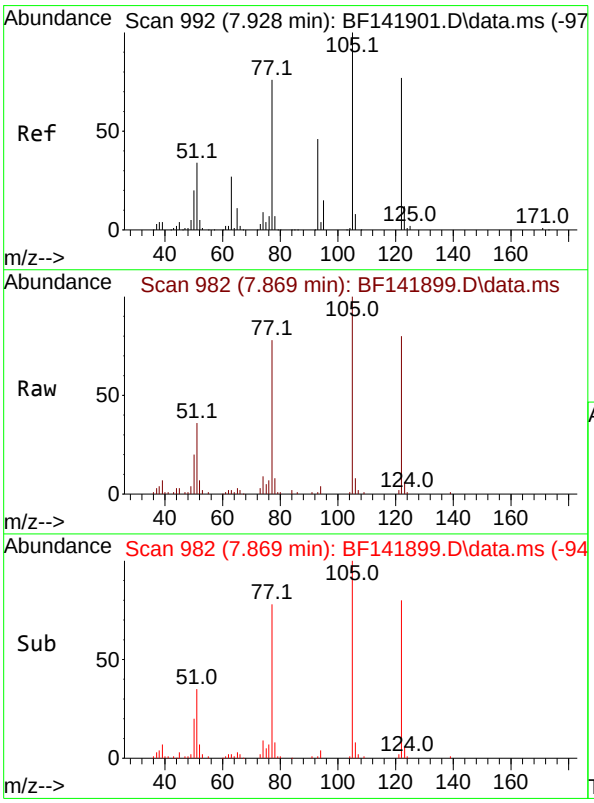
#31
Naphthalene
Concen: 10.493 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:128 Resp: 495470

Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.0	13.6
127	13.4	10.8	16.2

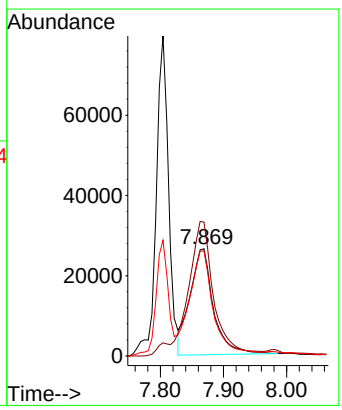


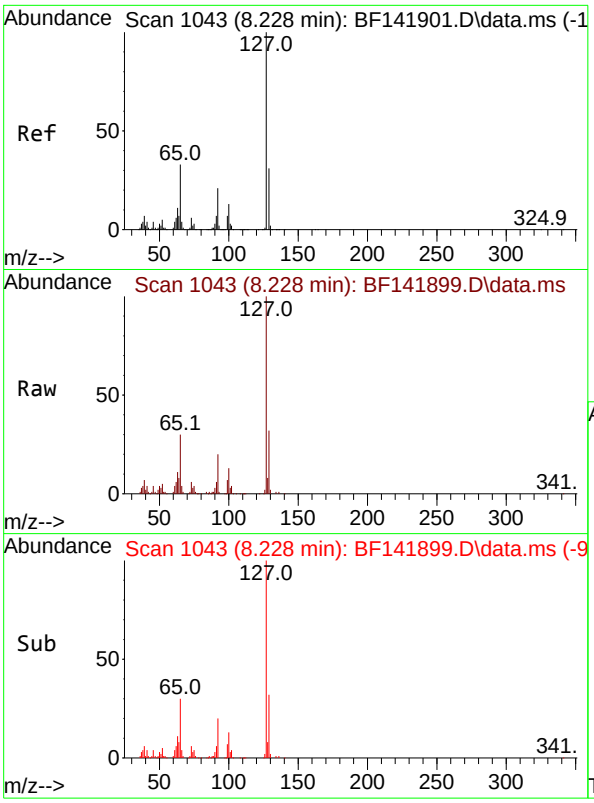


#32
Benzoic acid
Concen: 7.136 ng
RT: 7.869 min Scan# 982
Delta R.T. -0.059 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:122 Resp: 68640

Ion	Ratio	Lower	Upper
122	100		
105	124.8	107.9	147.9
77	97.8	79.0	119.0



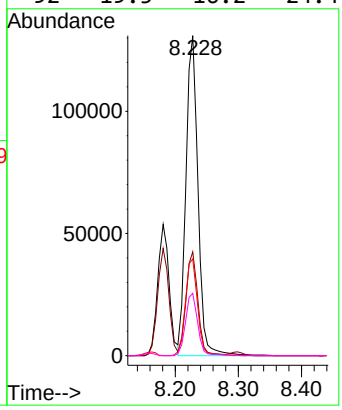


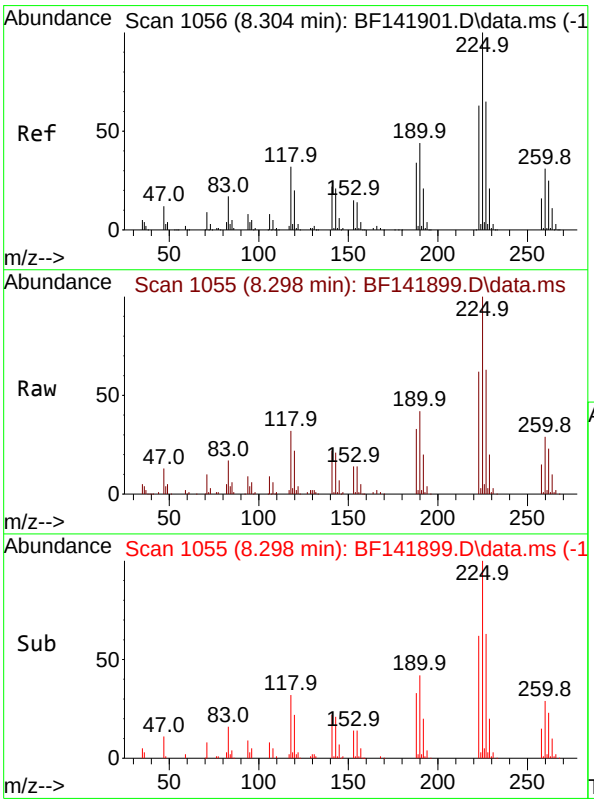
#33
4-Chloroaniline
Concen: 10.441 ng
RT: 8.228 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:127 Resp: 173977

Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.2	39.4
65	30.3	25.4	38.2
92	19.5	16.2	24.4

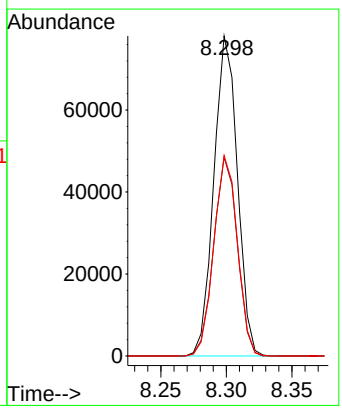


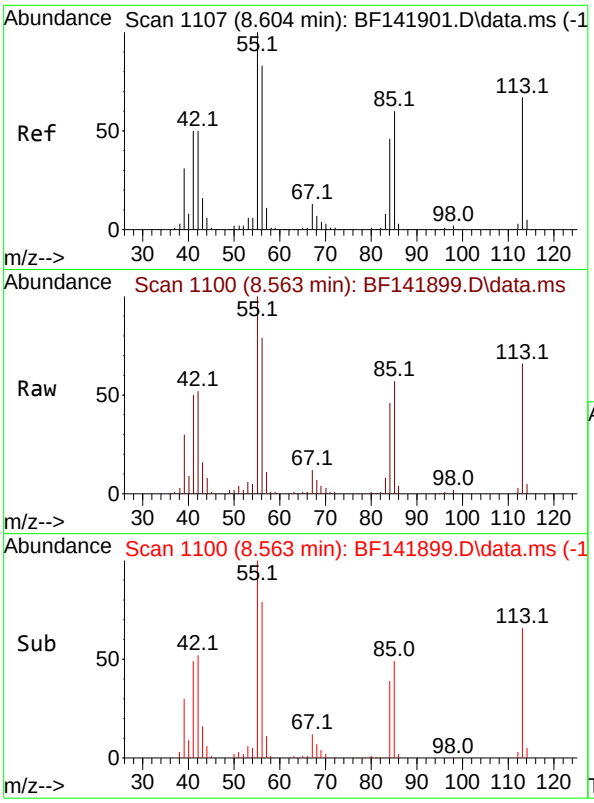


#34
Hexachlorobutadiene
Concen: 9.931 ng
RT: 8.298 min Scan# 1055
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:225 Resp: 97298

Ion	Ratio	Lower	Upper
225	100		
223	62.0	50.6	75.8
227	62.7	52.2	78.2



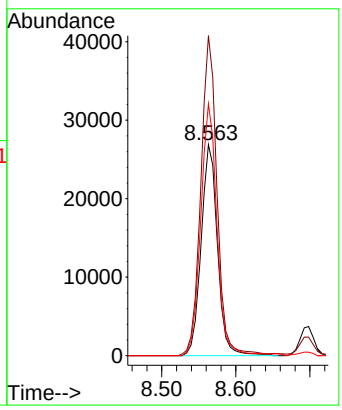


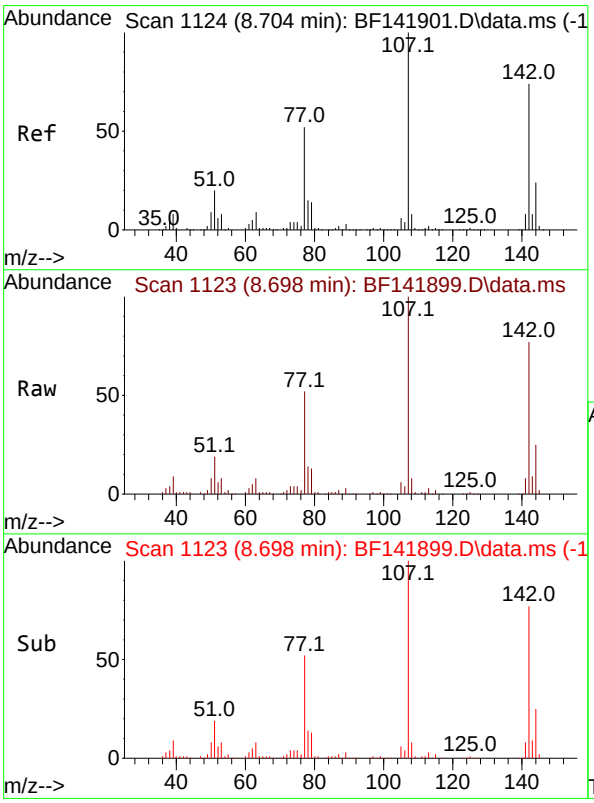
#35
Caprolactam
Concen: 9.922 ng
RT: 8.563 min Scan# 11
Delta R.T. -0.041 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:113 Resp: 41208

Ion	Ratio	Lower	Upper
113	100		
55	151.6	129.6	169.6
56	119.3	104.0	144.0

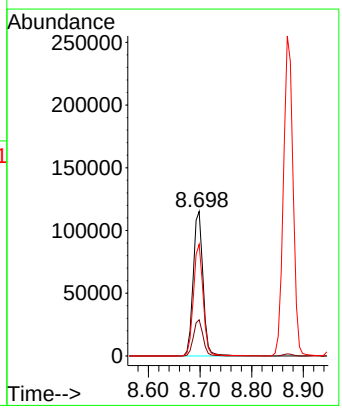


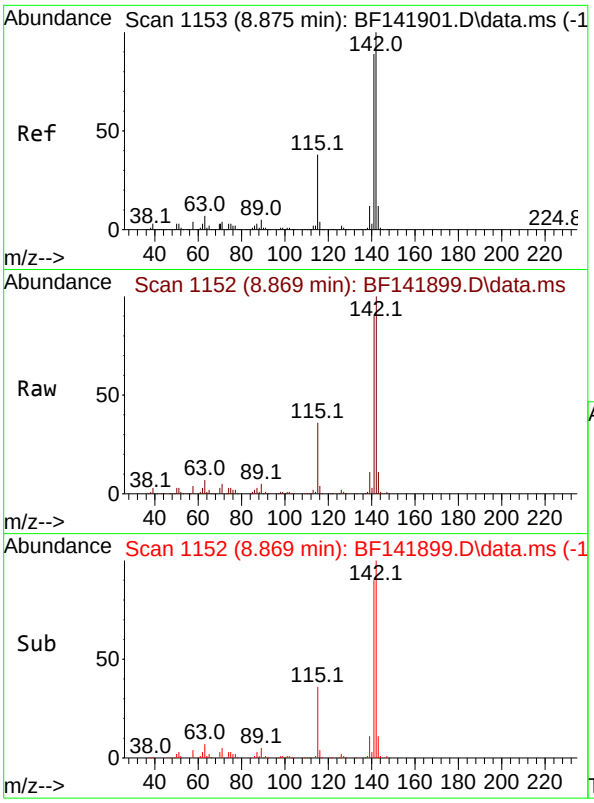


#36
4-Chloro-3-methylphenol
Concen: 10.029 ng
RT: 8.698 min Scan# 1123
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:107 Resp: 152340

Ion	Ratio	Lower	Upper
107	100		
144	25.1	19.0	28.6
142	77.3	59.2	88.8



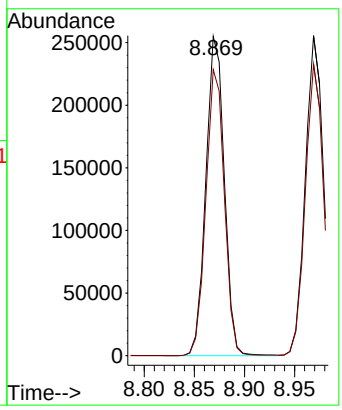


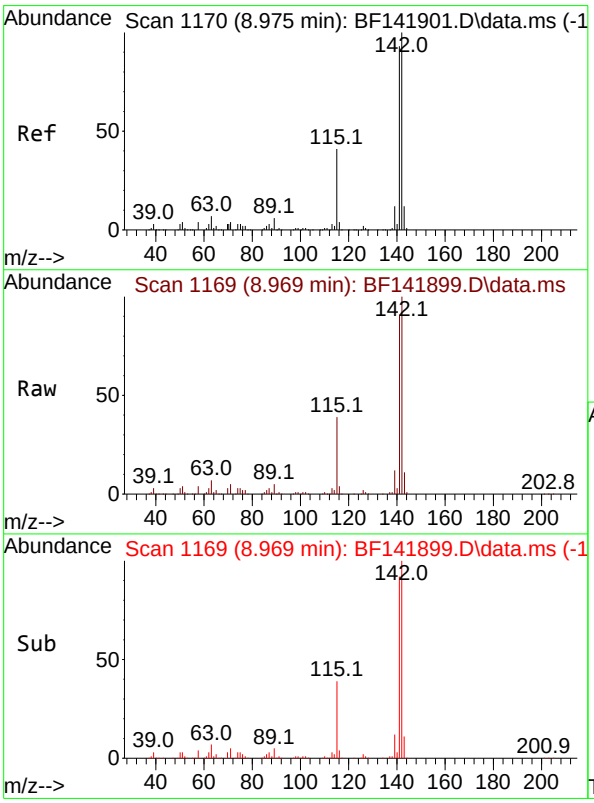
#37
2-Methylnaphthalene
Concen: 10.313 ng
RT: 8.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:142 Resp: 326733

Ion	Ratio	Lower	Upper
142	100		
141	89.6	71.2	106.8

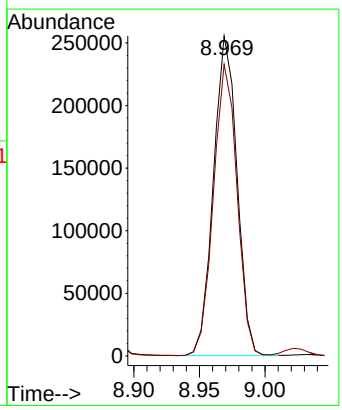


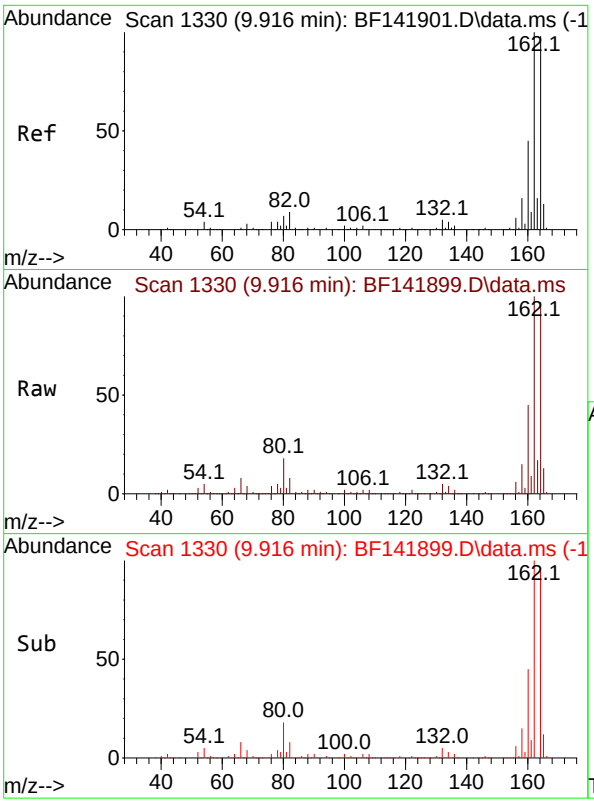


#38
1-Methylnaphthalene
Concen: 10.376 ng
RT: 8.969 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:142 Resp: 318324

Ion	Ratio	Lower	Upper
142	100		
141	91.1	74.2	111.4



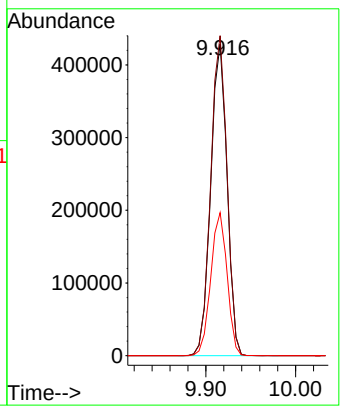


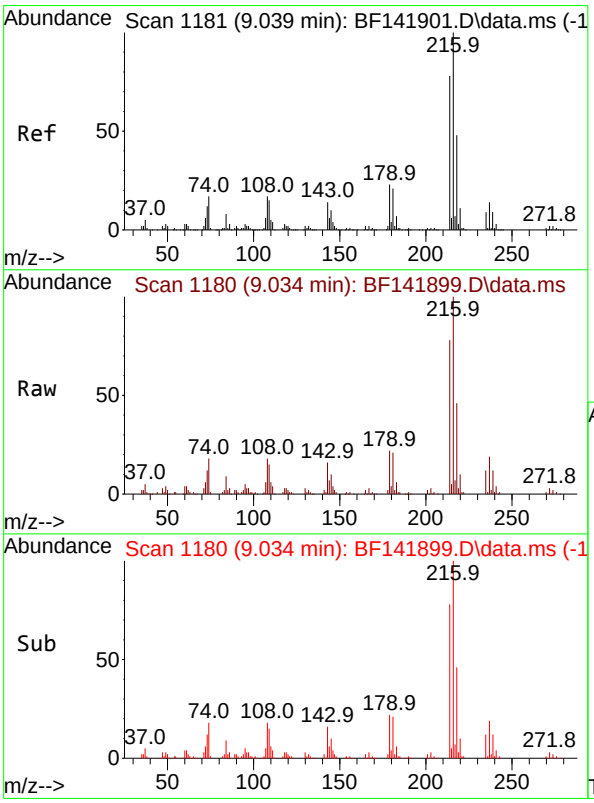
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:164 Resp: 541295

Ion	Ratio	Lower	Upper
164	100		
162	102.7	81.8	122.6
160	45.9	36.7	55.1

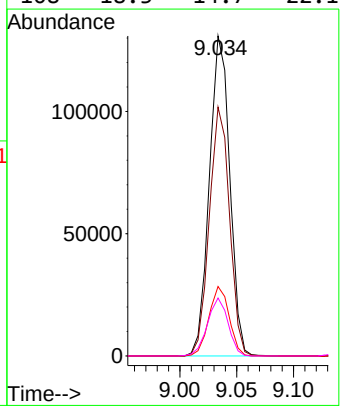


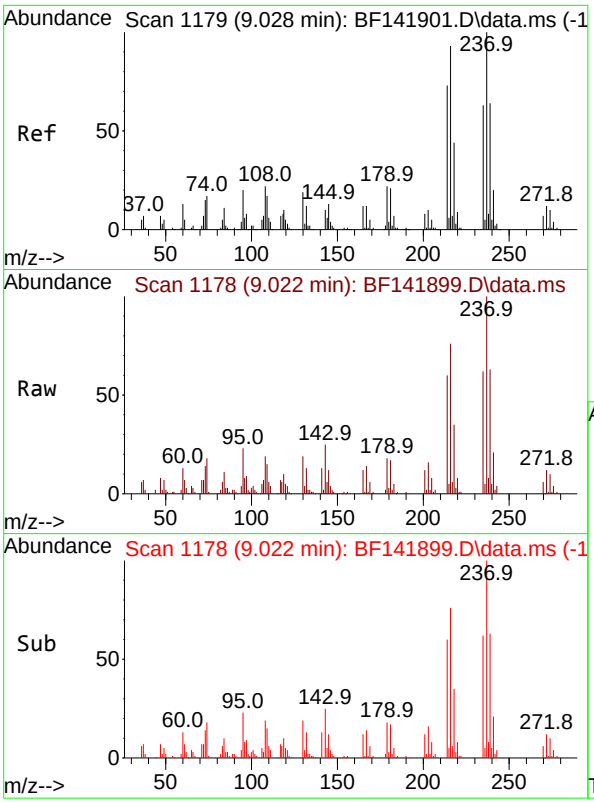


#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.905 ng
RT: 9.034 min Scan# 1180
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:216 Resp: 163481

Ion	Ratio	Lower	Upper
216	100		
214	77.1	61.9	92.9
179	21.5	18.1	27.1
108	18.3	14.7	22.1



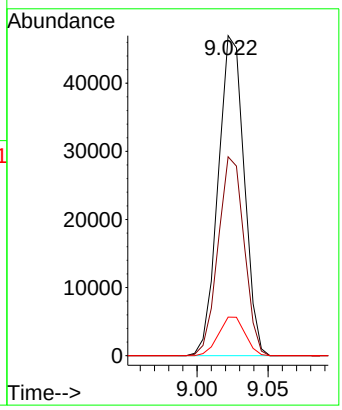


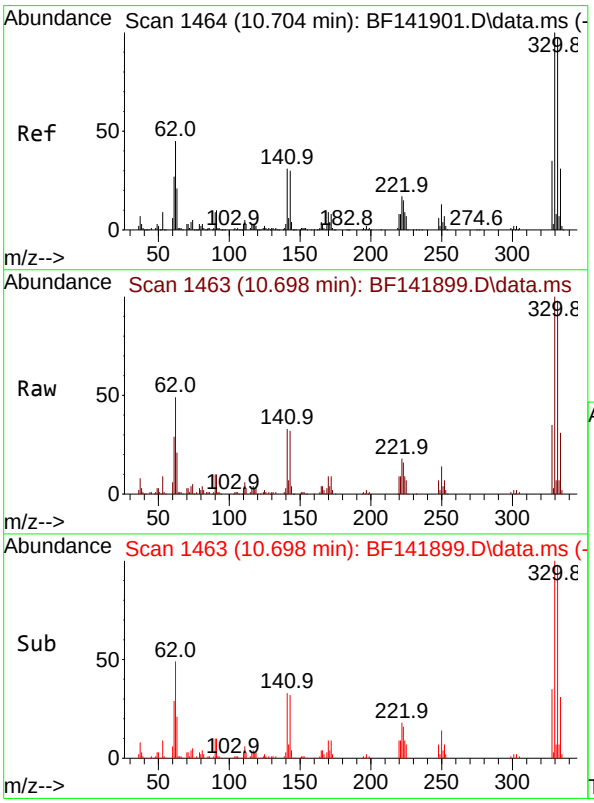
#41
Hexachlorocyclopentadiene
Concen: 9.177 ng
RT: 9.022 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:237 Resp: 59769

Ion	Ratio	Lower	Upper
237	100		
235	62.1	43.1	83.1
272	12.0	0.0	32.0

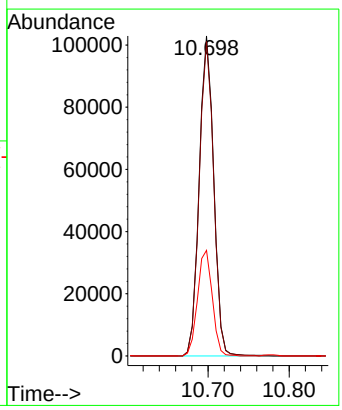


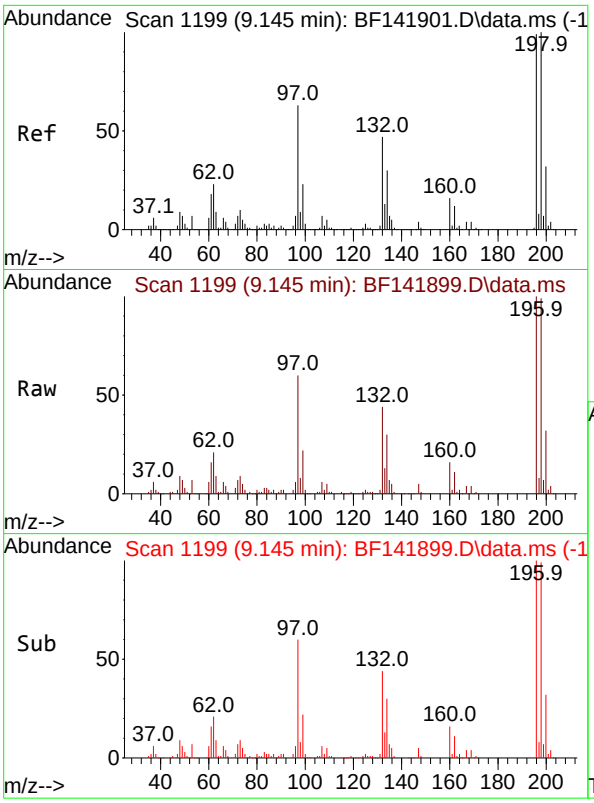


#42
2,4,6-Tribromophenol
Concen: 18.630 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:330 Resp: 127785

Ion	Ratio	Lower	Upper
330	100		
332	97.8	77.6	116.4
141	33.6	24.7	37.1



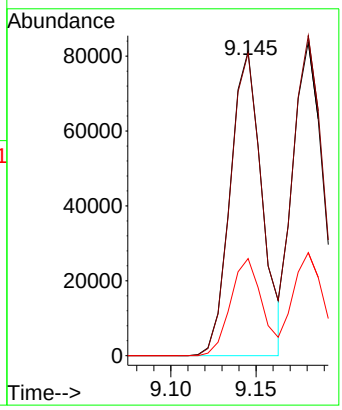


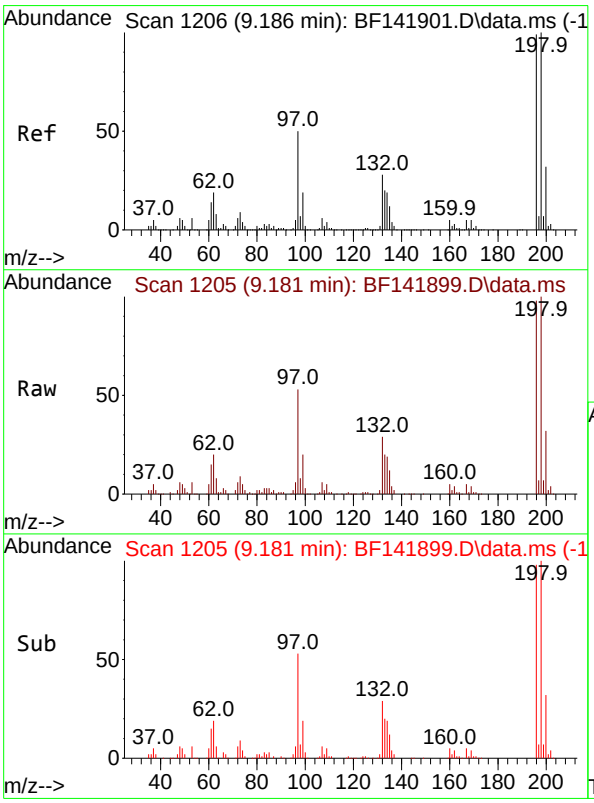
#43
2,4,6-Trichlorophenol
Concen: 9.777 ng
RT: 9.145 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:196 Resp: 105191

Ion	Ratio	Lower	Upper
196	100		
198	99.4	80.6	121.0
200	31.9	25.8	38.6

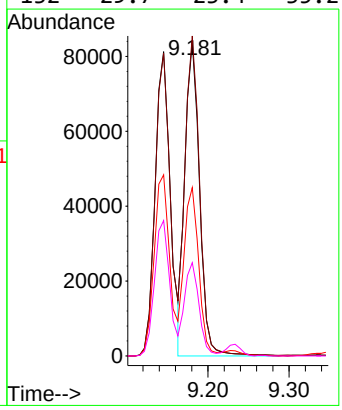


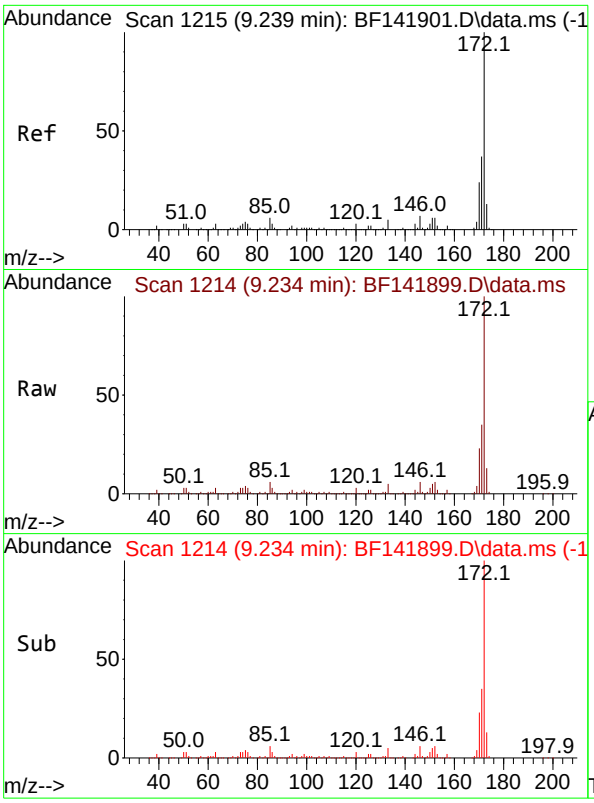


#44
2,4,5-Trichlorophenol
Concen: 9.692 ng
RT: 9.181 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:196 Resp: 105943

Ion	Ratio	Lower	Upper
196	100		
198	102.0	80.7	121.1
97	53.7	42.1	63.1
132	29.7	23.4	35.2



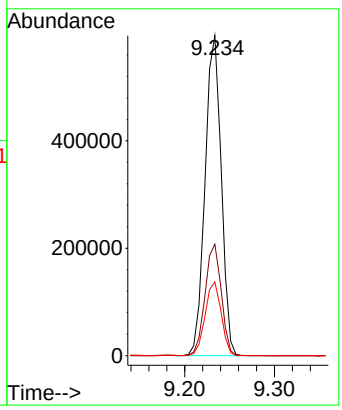


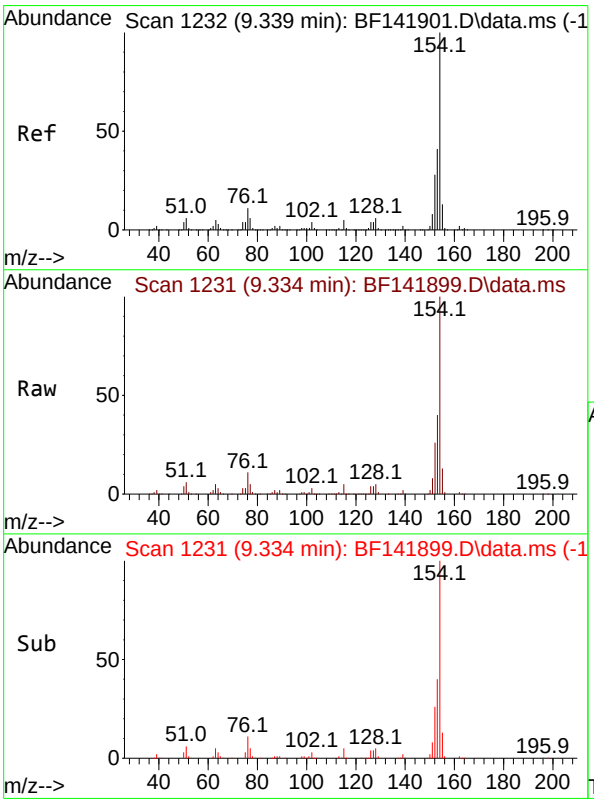
#45
2-Fluorobiphenyl
Concen: 21.003 ng
RT: 9.234 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:172 Resp: 746589

Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.3	43.9
170	23.1	19.4	29.0

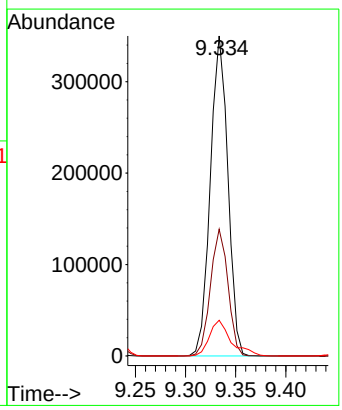


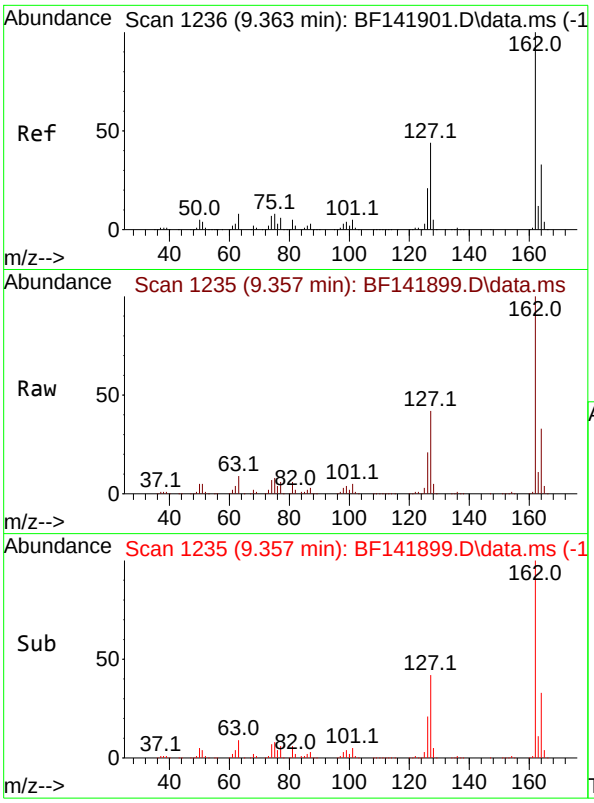


#46
1,1'-Biphenyl
Concen: 10.372 ng
RT: 9.334 min Scan# 1231
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:154 Resp: 425640

Ion	Ratio	Lower	Upper
154	100		
153	39.6	21.1	61.1
76	11.1	0.0	31.3



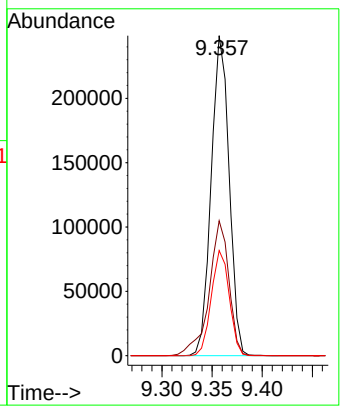


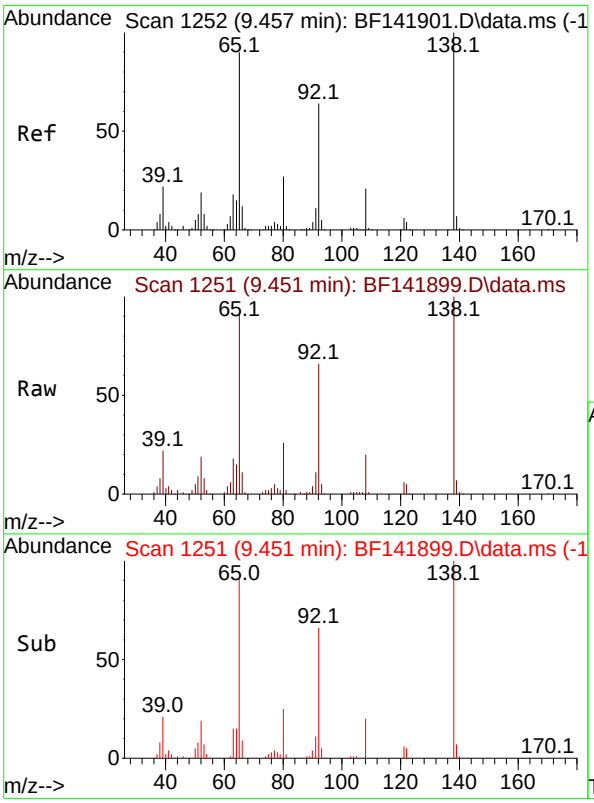
#47
2-Chloronaphthalene
Concen: 10.094 ng
RT: 9.357 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 308729

Ion	Ratio	Lower	Upper
162	100		
127	42.1	35.5	53.3
164	32.9	26.6	40.0

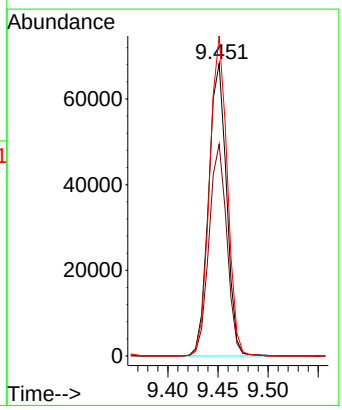


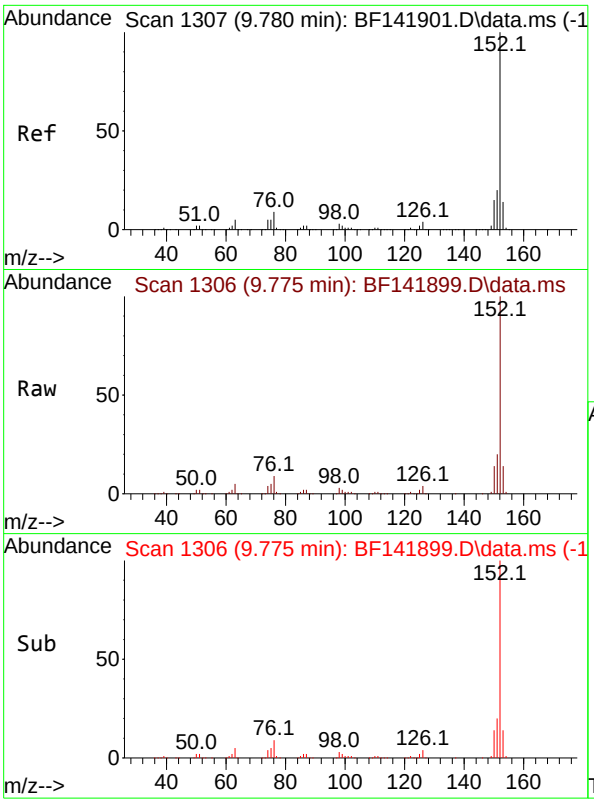


#48
2-Nitroaniline
Concen: 9.658 ng
RT: 9.451 min Scan# 1251
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion: 65 Resp: 84854

Ion	Ratio	Lower	Upper
65	100		
92	72.5	56.6	84.8
138	109.4	88.6	133.0



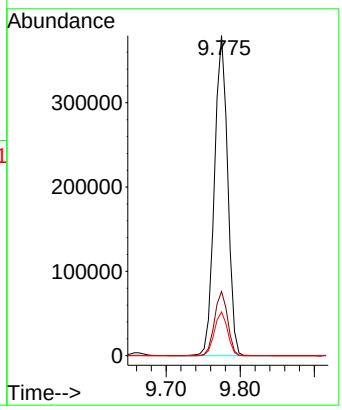


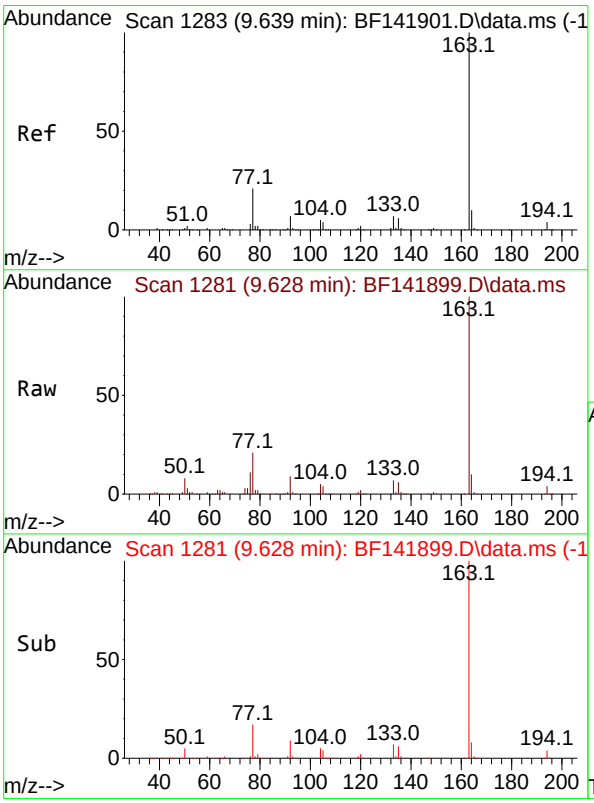
#49
Acenaphthylene
Concen: 10.383 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 470801

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.3	24.5
153	13.7	11.1	16.7

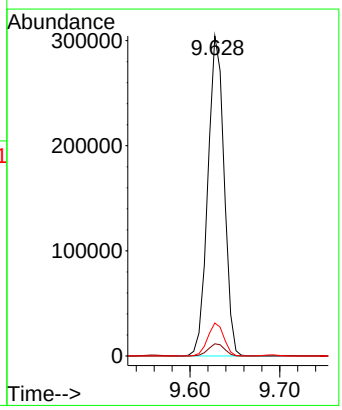


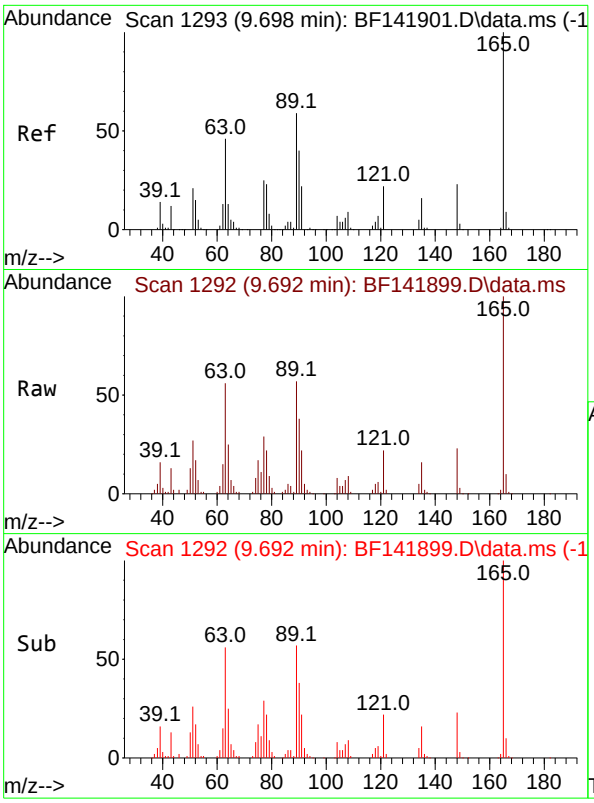


#50
Dimethylphthalate
Concen: 10.176 ng
RT: 9.628 min Scan# 1281
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:163 Resp: 382722

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.1	4.7
164	10.3	8.2	12.4



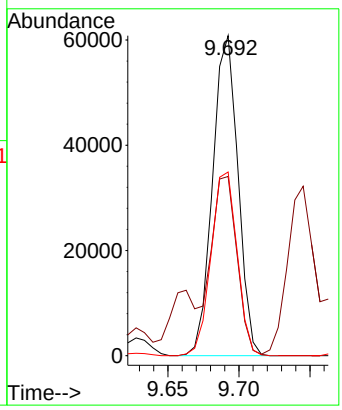


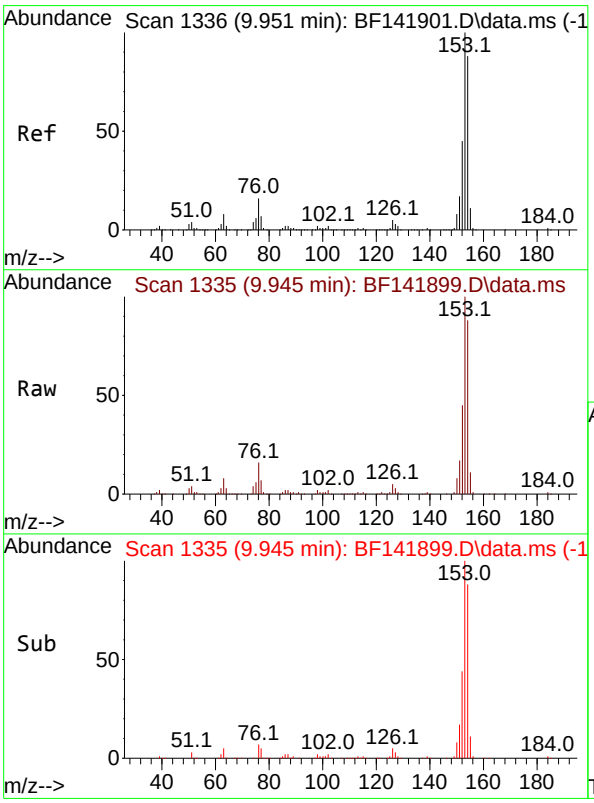
#51
2,6-Dinitrotoluene
Concen: 9.663 ng
RT: 9.692 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 75577

Ion	Ratio	Lower	Upper
165	100		
63	56.0	47.0	70.4
89	57.4	47.4	71.2

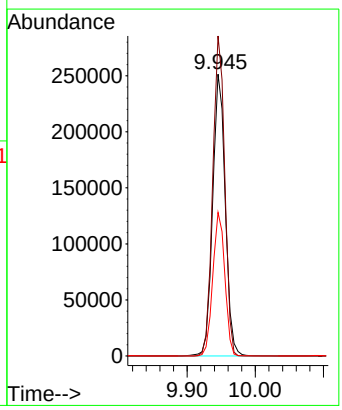


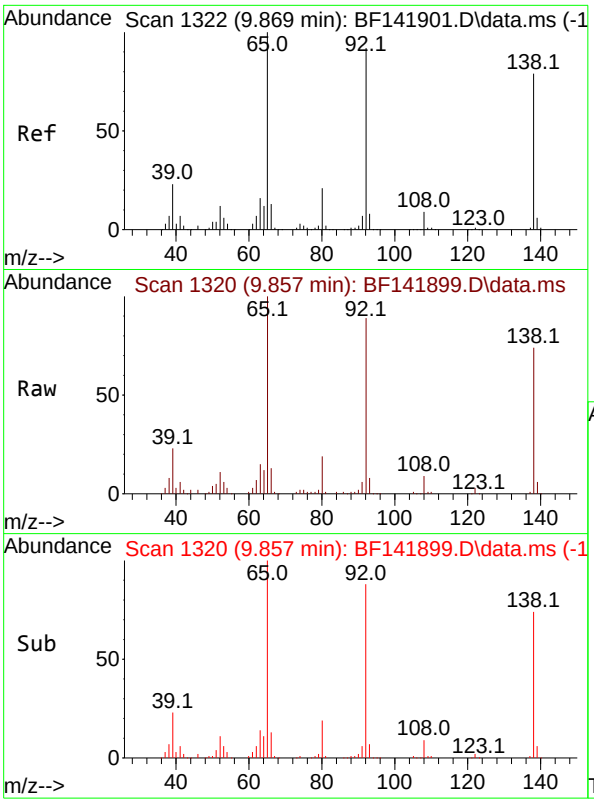


#52
Acenaphthene
Concen: 10.101 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:154 Resp: 323406

Ion	Ratio	Lower	Upper
154	100		
153	113.6	90.7	136.1
152	50.9	41.1	61.7



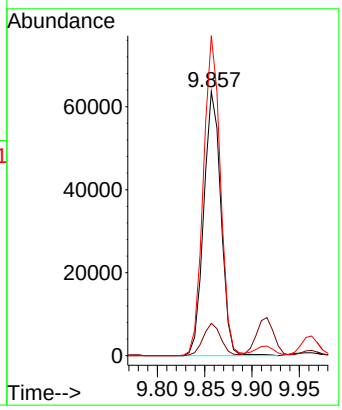


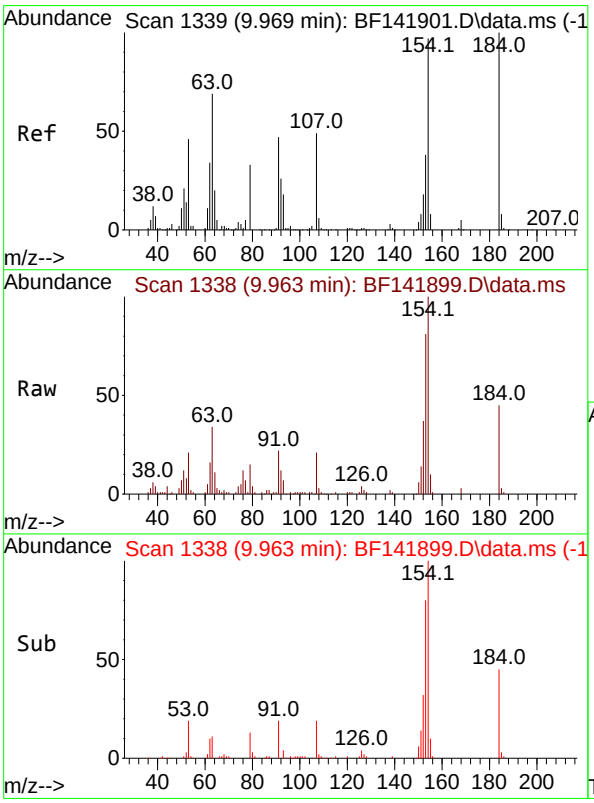
#53
3-Nitroaniline
Concen: 9.955 ng
RT: 9.857 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:138 Resp: 79944

Ion	Ratio	Lower	Upper
138	100		
108	12.2	9.3	13.9
92	121.1	93.5	140.3

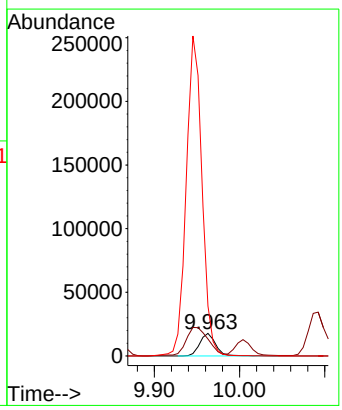


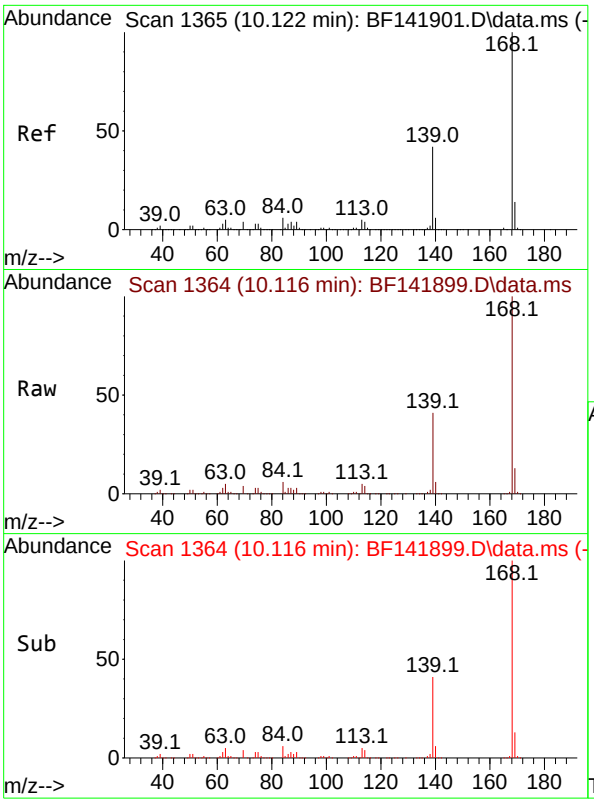


#54
2,4-Dinitrophenol
Concen: 11.386 ng
RT: 9.963 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:184 Resp: 23121

Ion	Ratio	Lower	Upper
184	100		
63	75.2	60.2	90.4
154	222.1	132.9	199.3#



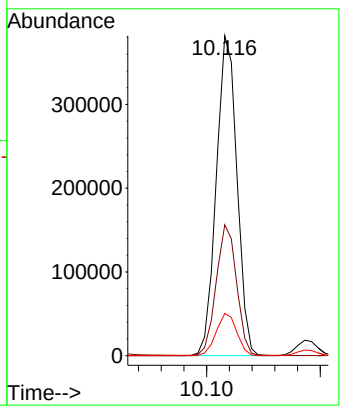


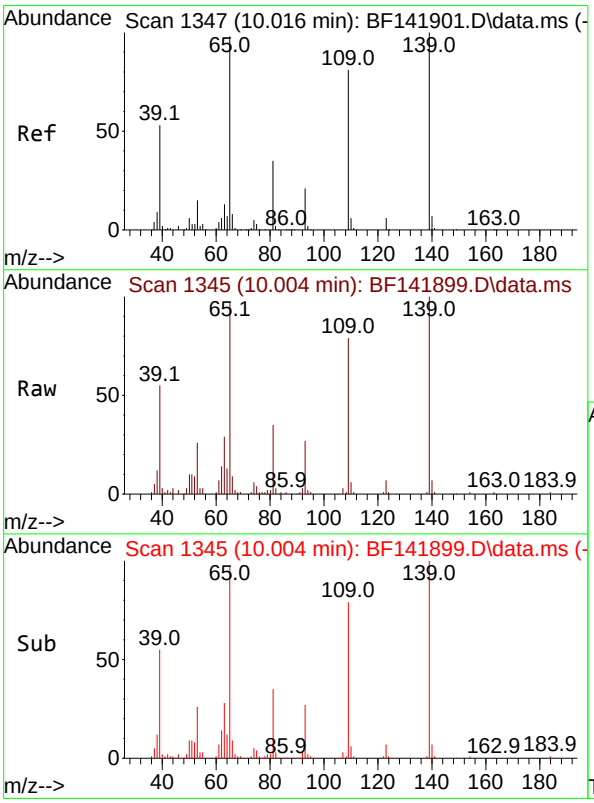
#55
Dibenzofuran
Concen: 10.593 ng
RT: 10.116 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:168 Resp: 483596

Ion	Ratio	Lower	Upper
168	100		
139	40.9	33.9	50.9
169	13.2	11.0	16.4

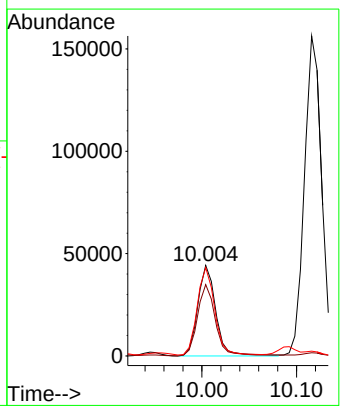


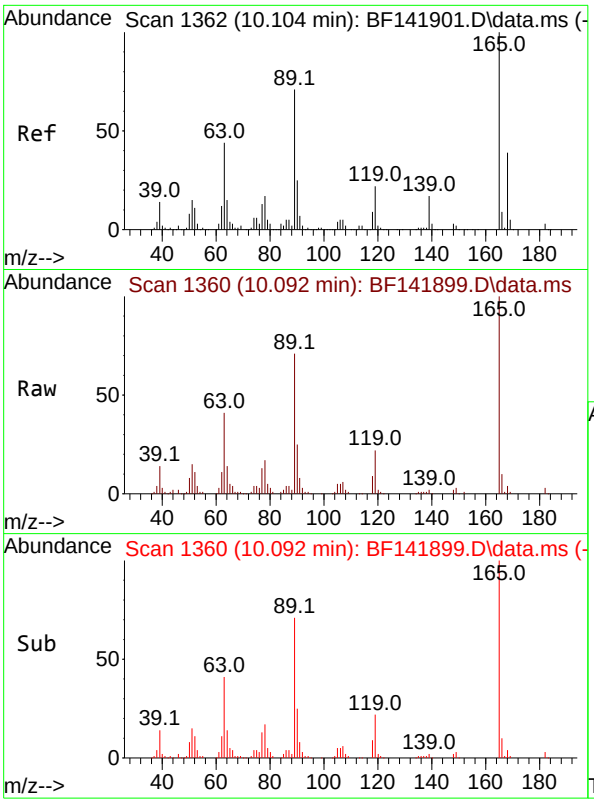


#56
4-Nitrophenol
Concen: 9.706 ng
RT: 10.004 min Scan# 1345
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:139 Resp: 58549

Ion	Ratio	Lower	Upper
139	100		
109	78.8	61.6	101.6
65	97.5	79.4	119.4



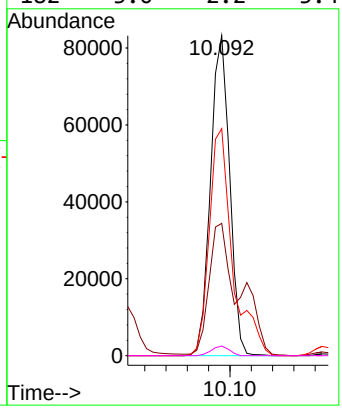


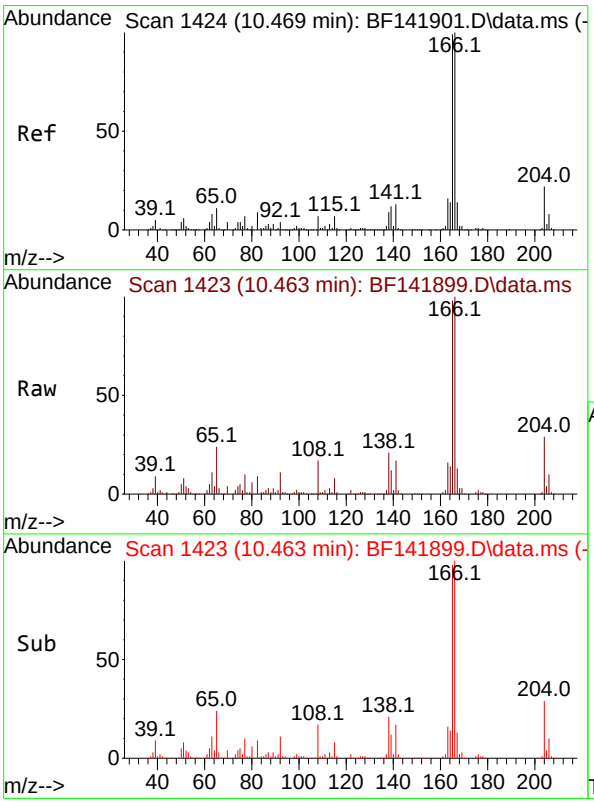
#57
2,4-Dinitrotoluene
Concen: 10.035 ng
RT: 10.092 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 103313

Ion	Ratio	Lower	Upper
165	100		
63	41.3	35.4	53.2
89	70.9	56.6	84.8
182	3.0	2.2	3.4

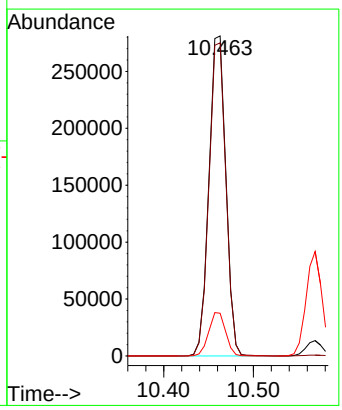


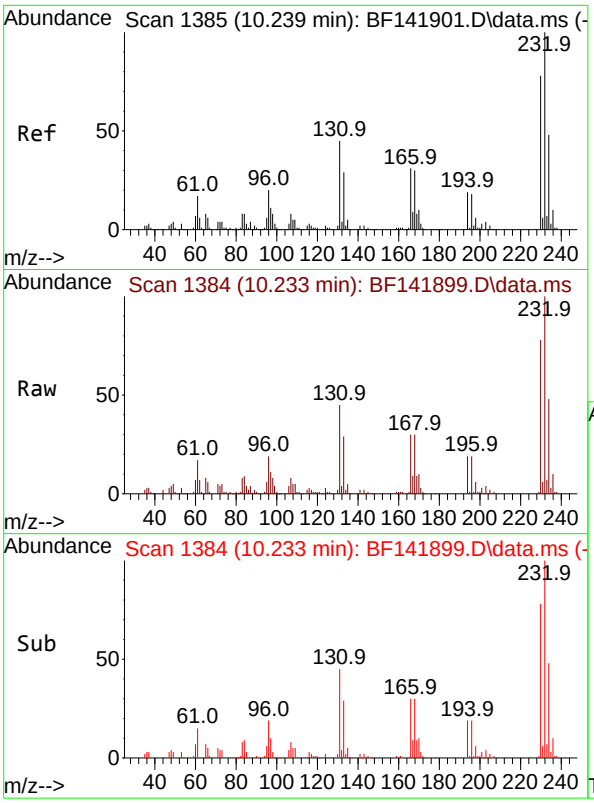


#58
Fluorene
Concen: 10.452 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:166 Resp: 368370

Ion	Ratio	Lower	Upper
166	100		
165	97.8	79.0	118.4
167	13.3	11.0	16.4



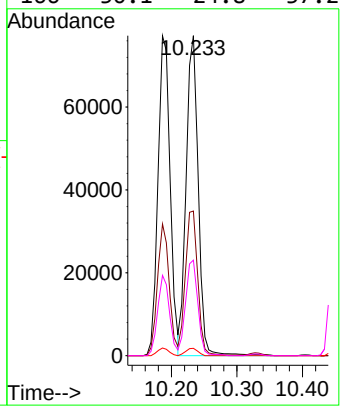


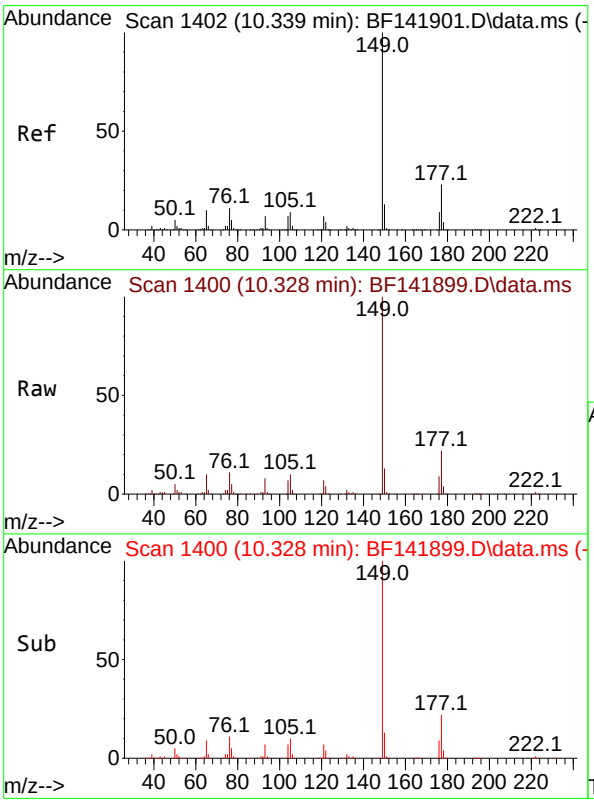
#59
2,3,4,6-Tetrachlorophenol
Concen: 9.954 ng
RT: 10.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:232 Resp: 98725

Ion	Ratio	Lower	Upper
232	100		
131	46.2	37.3	55.9
130	2.3	1.9	2.9
166	30.1	24.8	37.2

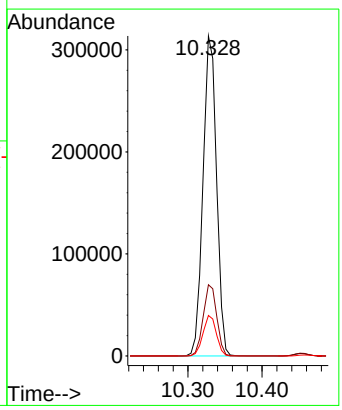


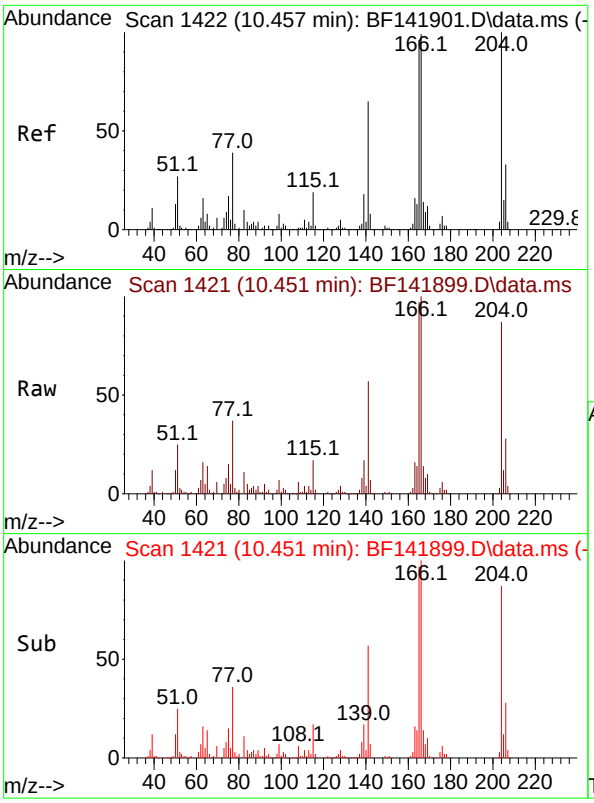


#60
Diethylphthalate
Concen: 10.542 ng
RT: 10.328 min Scan# 1400
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:149 Resp: 398003

Ion	Ratio	Lower	Upper
149	100		
177	22.2	18.0	27.0
150	12.7	10.2	15.4



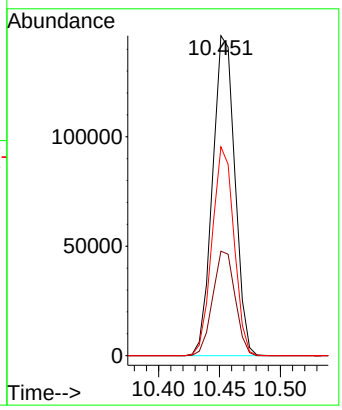


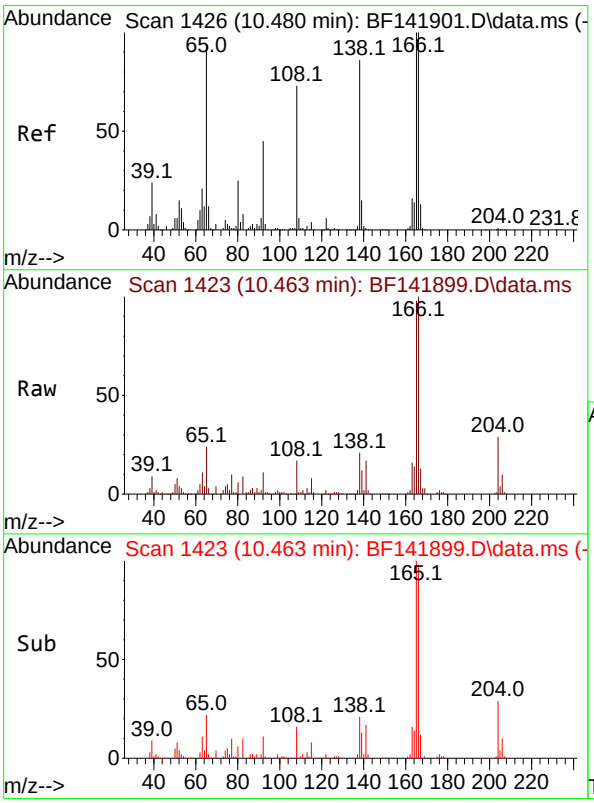
#61
4-Chlorophenyl-phenylether
Concen: 10.145 ng
RT: 10.451 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:204 Resp: 186237

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.8	40.2
141	65.3	52.4	78.6

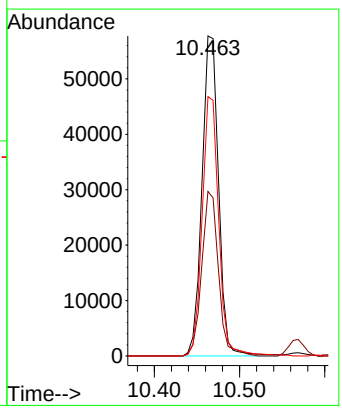


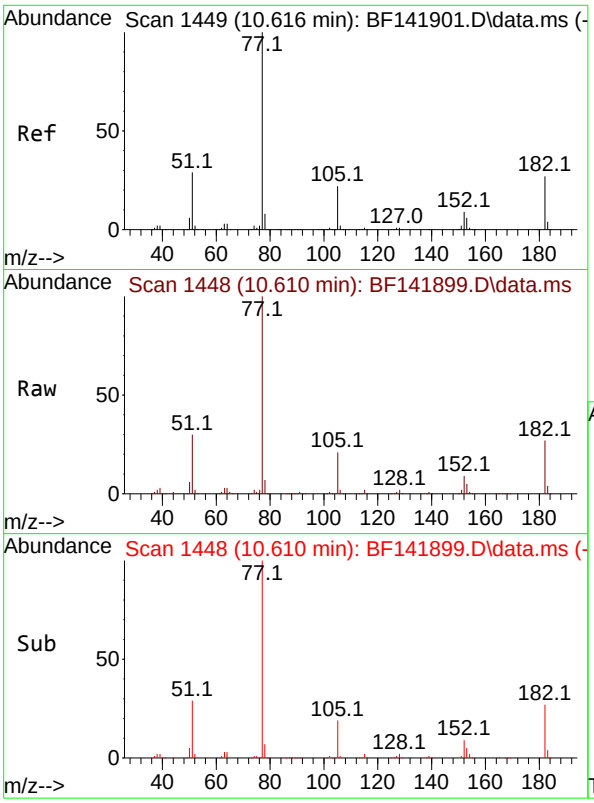


#62
4-Nitroaniline
Concen: 10.030 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.017 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:138 Resp: 78048

Ion	Ratio	Lower	Upper
138	100		
92	51.4	32.6	72.6
108	81.1	65.0	105.0



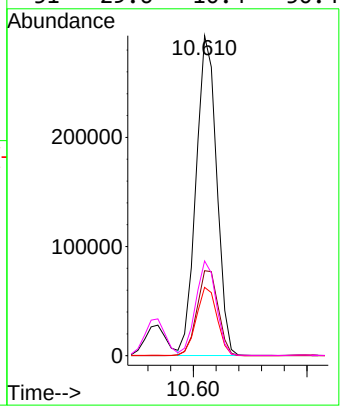


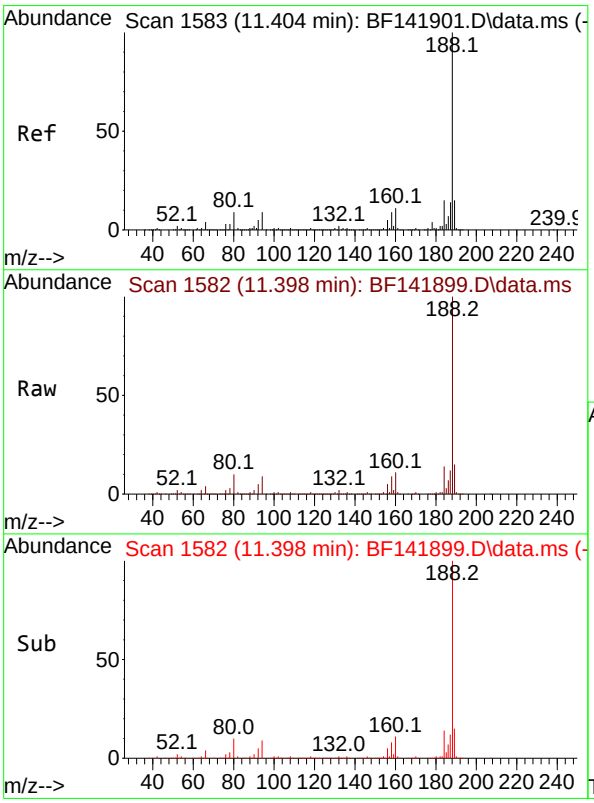
#63
Azobenzene
Concen: 10.521 ng
RT: 10.610 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 368982

Ion	Ratio	Lower	Upper
77	100		
182	26.6	6.6	46.6
105	21.3	1.3	41.3
51	29.6	10.4	50.4

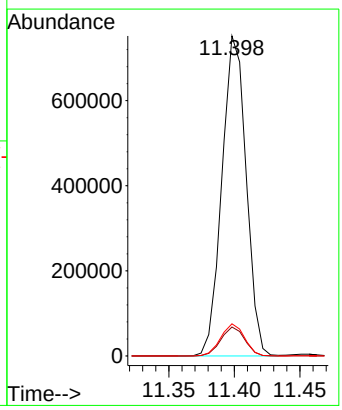


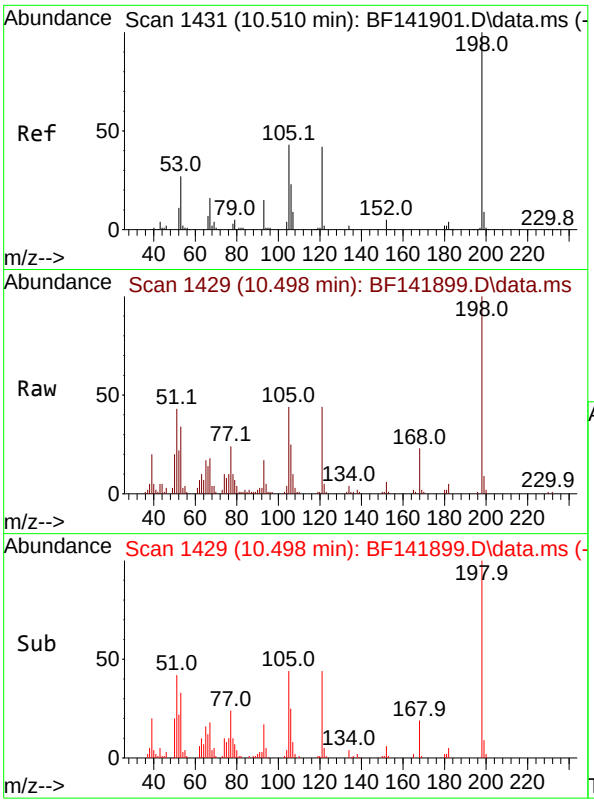


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:188 Resp: 966771

Ion	Ratio	Lower	Upper
188	100		
94	9.1	6.8	10.2
80	10.0	7.6	11.4



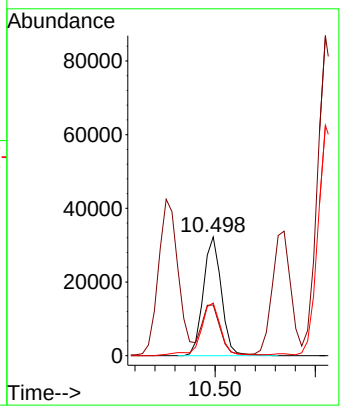


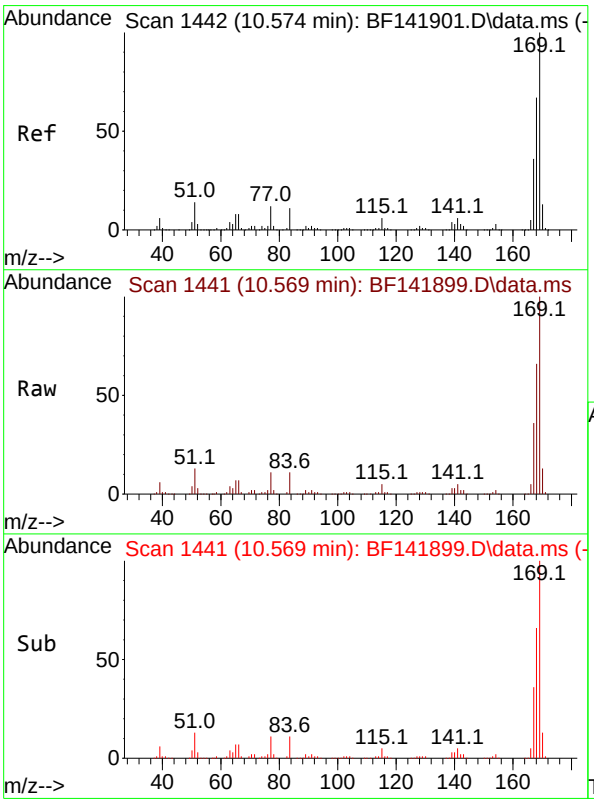
#65
4,6-Dinitro-2-methylphenol
Concen: 7.040 ng
RT: 10.498 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:198 Resp: 40348

Ion	Ratio	Lower	Upper
198	100		
51	42.7	22.3	62.3
105	44.3	23.0	63.0

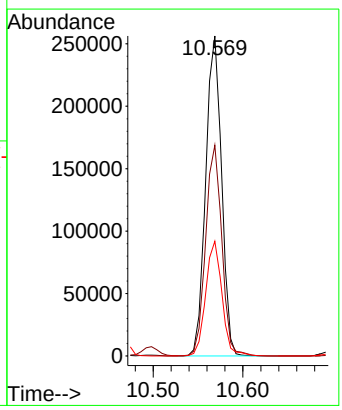


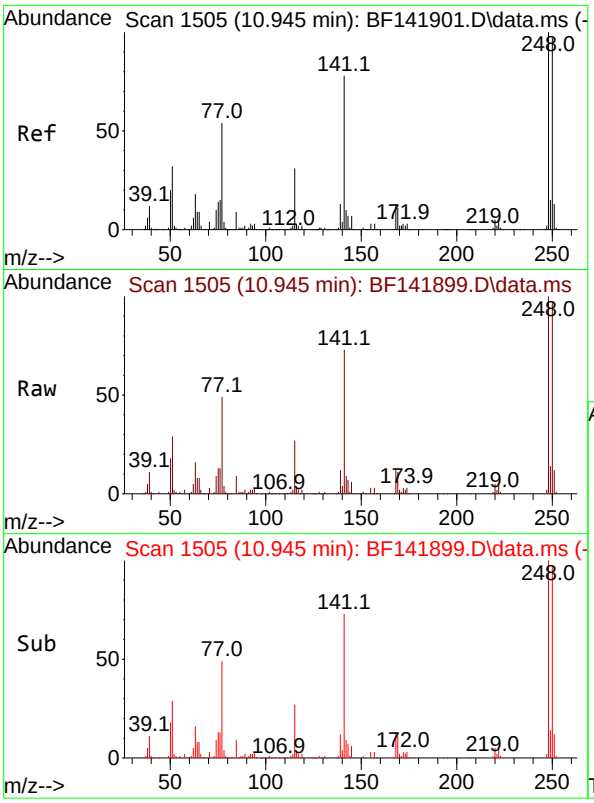


#66
n-Nitrosodiphenylamine
Concen: 10.078 ng
RT: 10.569 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:169 Resp: 314758

Ion	Ratio	Lower	Upper
169	100		
168	65.8	53.7	80.5
167	35.8	29.2	43.8



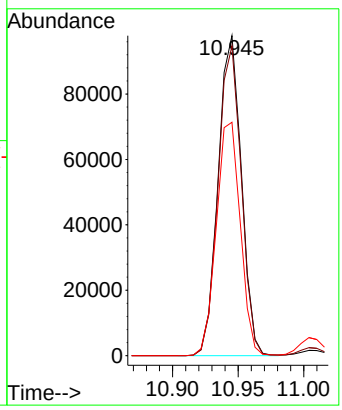


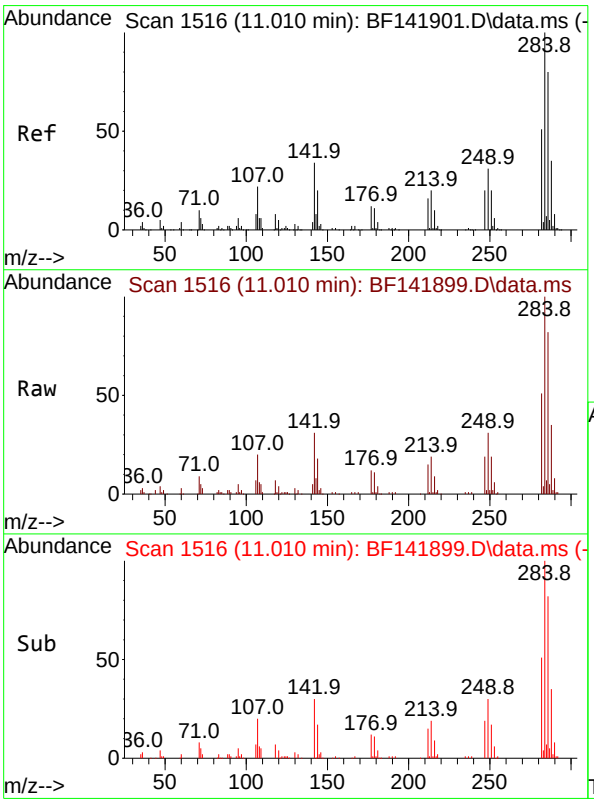
#67
4-Bromophenyl-phenylether
Concen: 10.011 ng
RT: 10.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:248 Resp: 120534

Ion	Ratio	Lower	Upper
248	100		
250	96.8	77.8	116.8
141	72.9	62.6	93.8

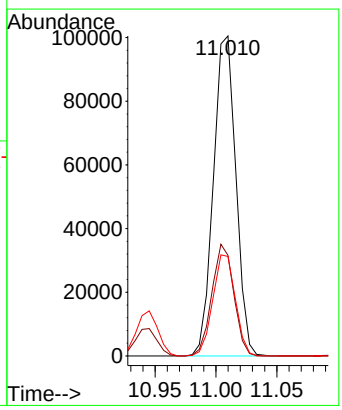


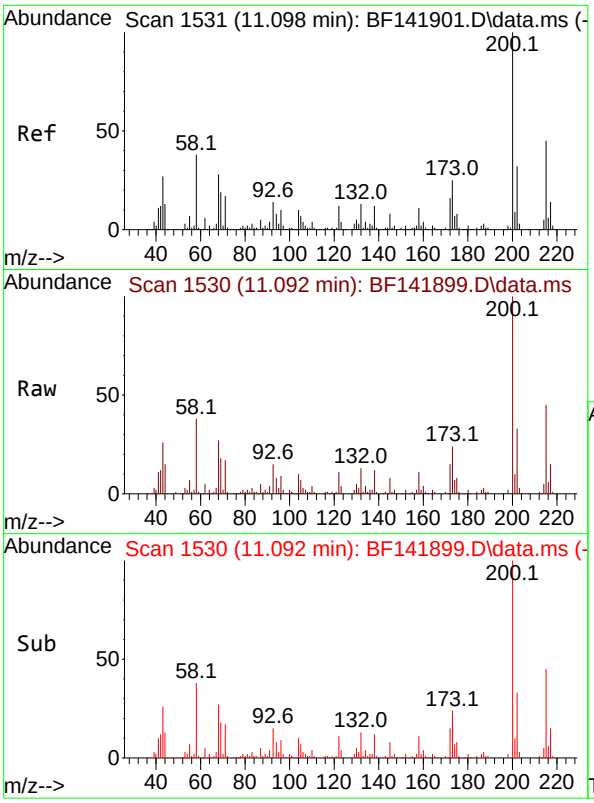


#68
Hexachlorobenzene
Concen: 9.712 ng
RT: 11.010 min Scan# 1516
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:284 Resp: 129242

Ion	Ratio	Lower	Upper
284	100		
142	31.4	27.0	40.6
249	31.1	25.2	37.8



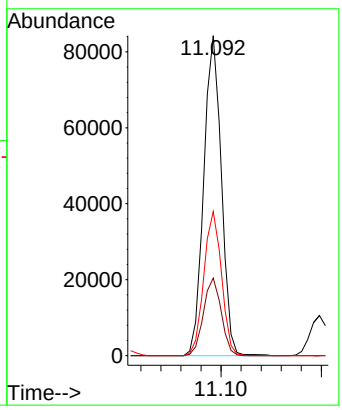


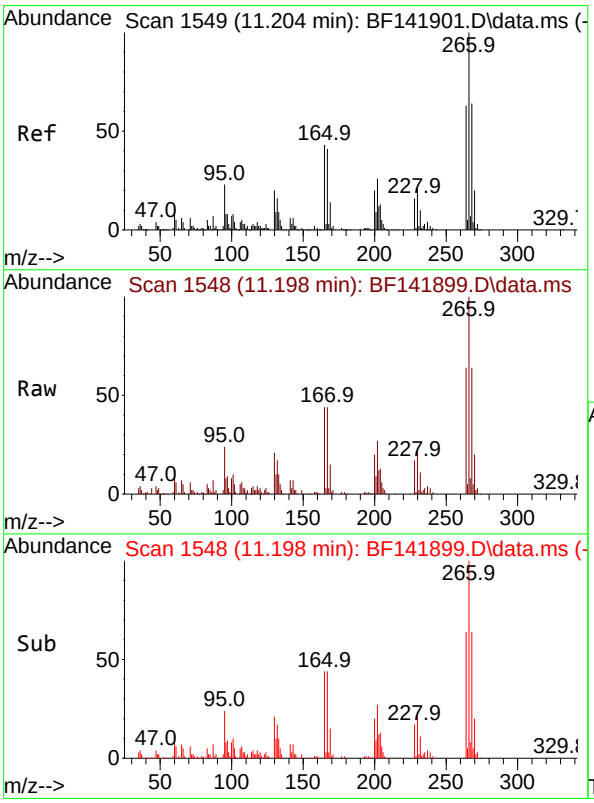
#69
Atrazine
Concen: 13.502 ng
RT: 11.092 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:200 Resp: 102822

Ion	Ratio	Lower	Upper
200	100		
173	24.3	4.7	44.7
215	45.0	25.4	65.4

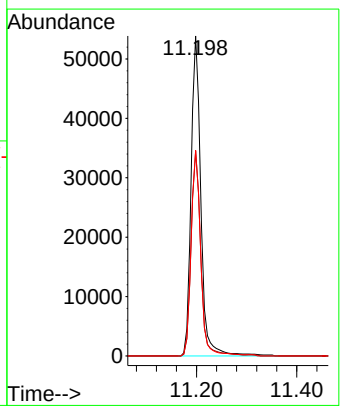


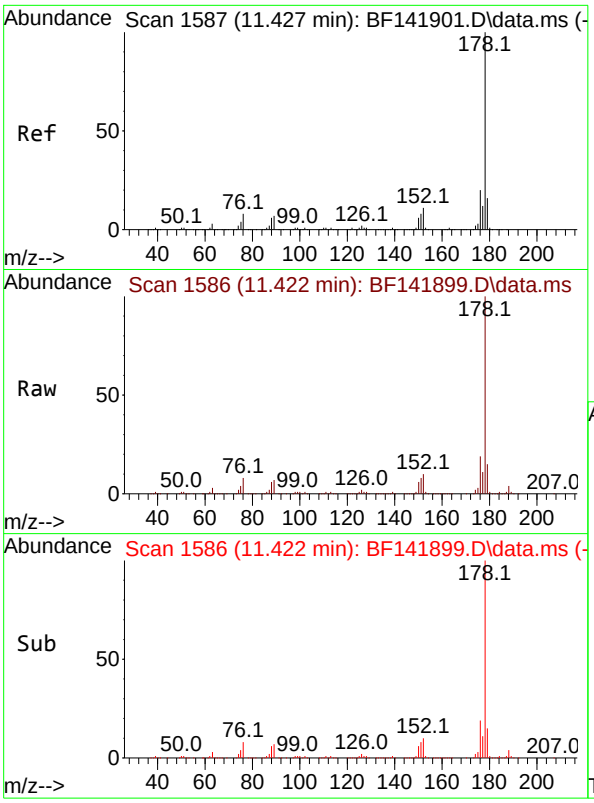


#70
Pentachlorophenol
Concen: 8.909 ng
RT: 11.198 min Scan# 1548
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:266 Resp: 73112

Ion	Ratio	Lower	Upper
266	100		
268	64.0	51.0	76.6
264	64.3	50.2	75.2



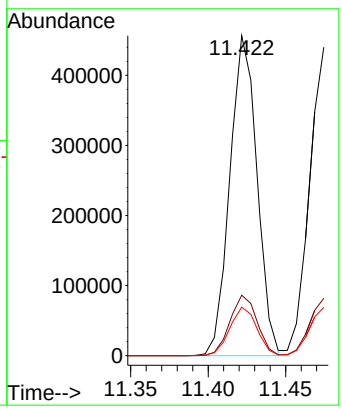


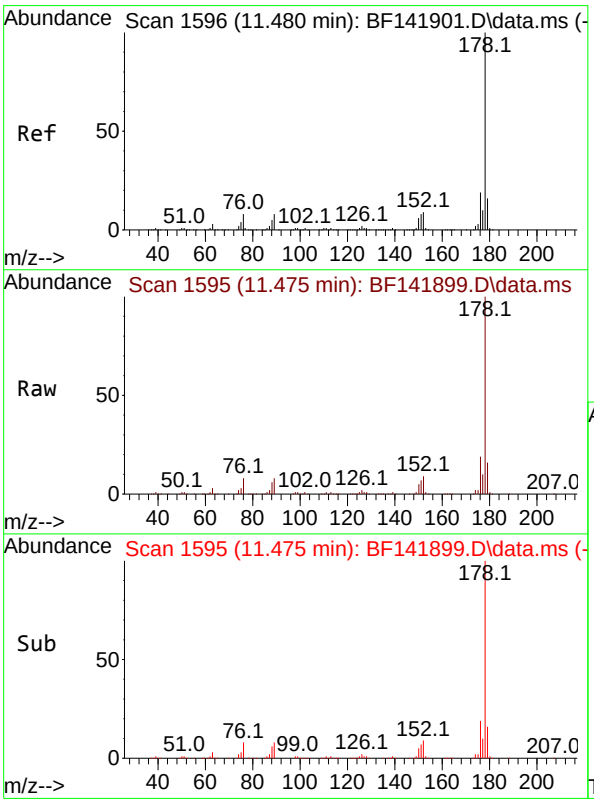
#71
Phenanthrene
Concen: 10.646 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:178 Resp: 556546

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	15.2	12.6	19.0

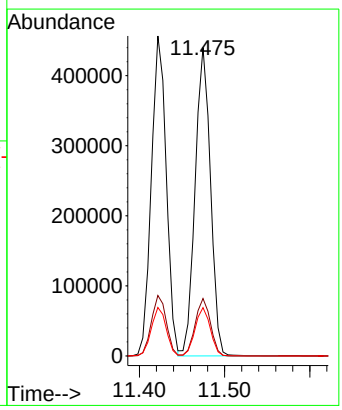


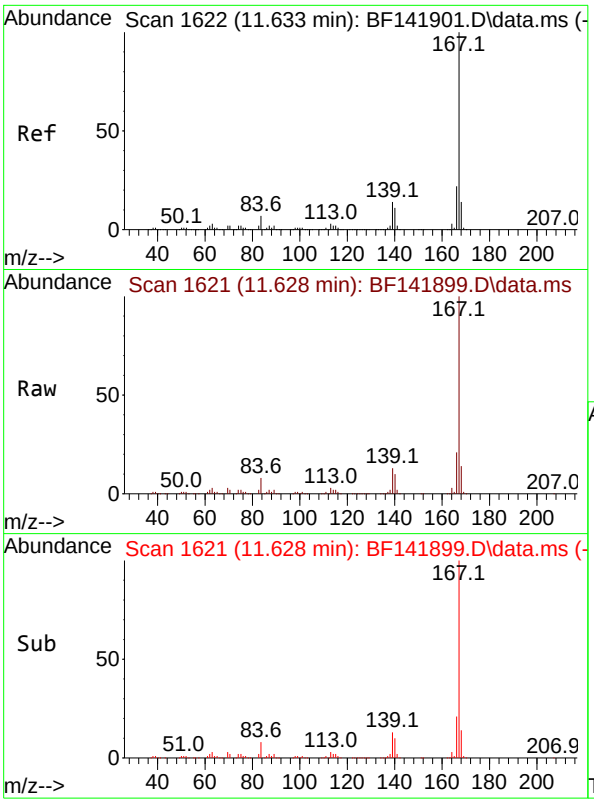


#72
Anthracene
Concen: 10.501 ng
RT: 11.475 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:178 Resp: 550767

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.1	22.7
179	15.7	12.6	19.0



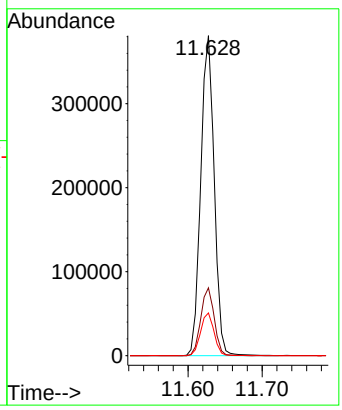


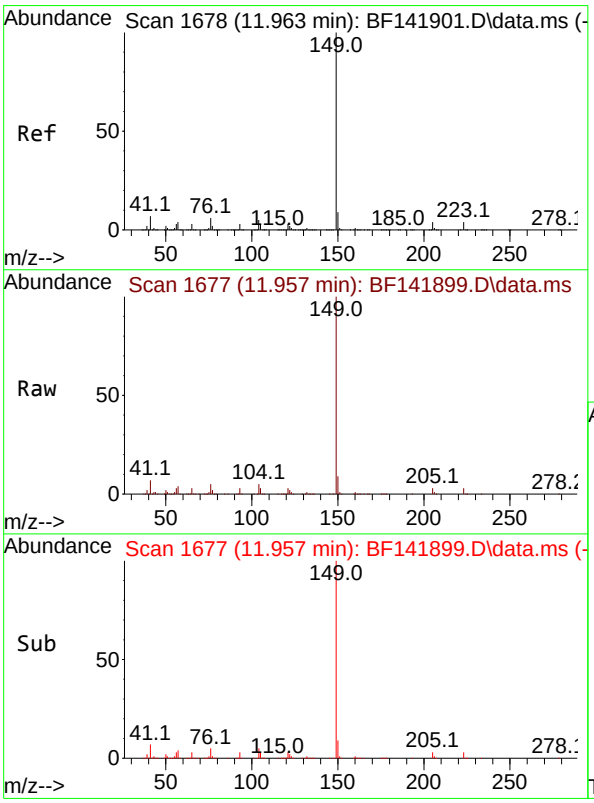
#73
Carbazole
Concen: 10.641 ng
RT: 11.628 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:167 Resp: 480520

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.4	26.2
139	13.3	11.0	16.6

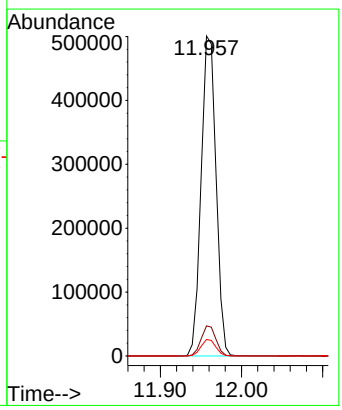


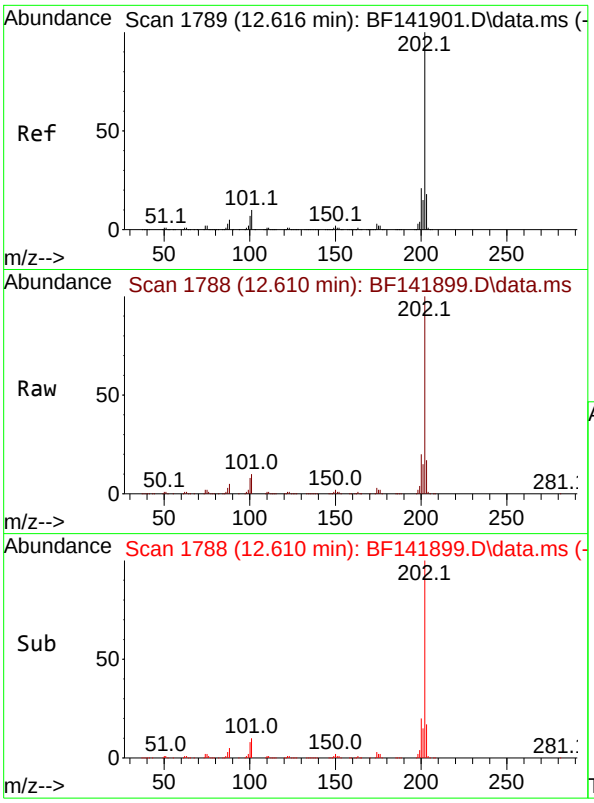


#74
Di-n-butylphthalate
Concen: 10.708 ng
RT: 11.957 min Scan# 1677
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:149 Resp: 638429

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.6	11.4
104	5.2	4.4	6.6



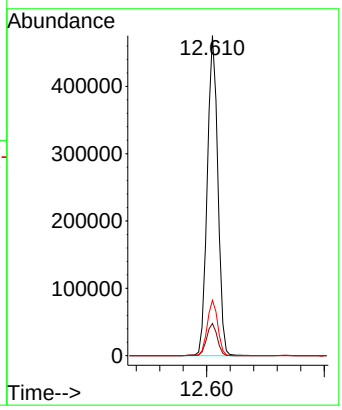


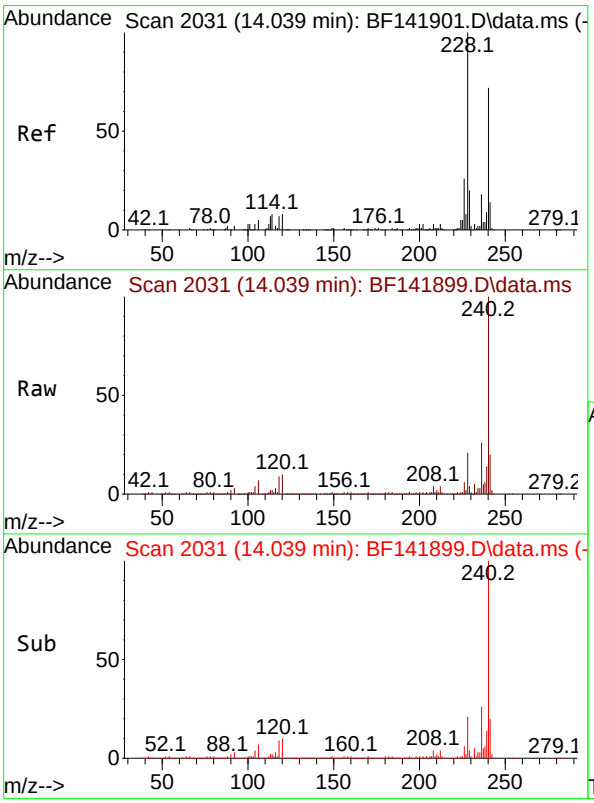
#75
Fluoranthene
Concen: 10.801 ng
RT: 12.610 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:202 Resp: 592806

Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	29.7
203	17.4	0.0	37.8

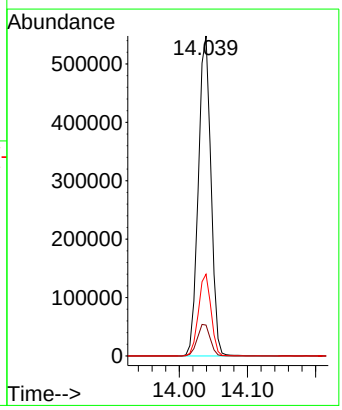


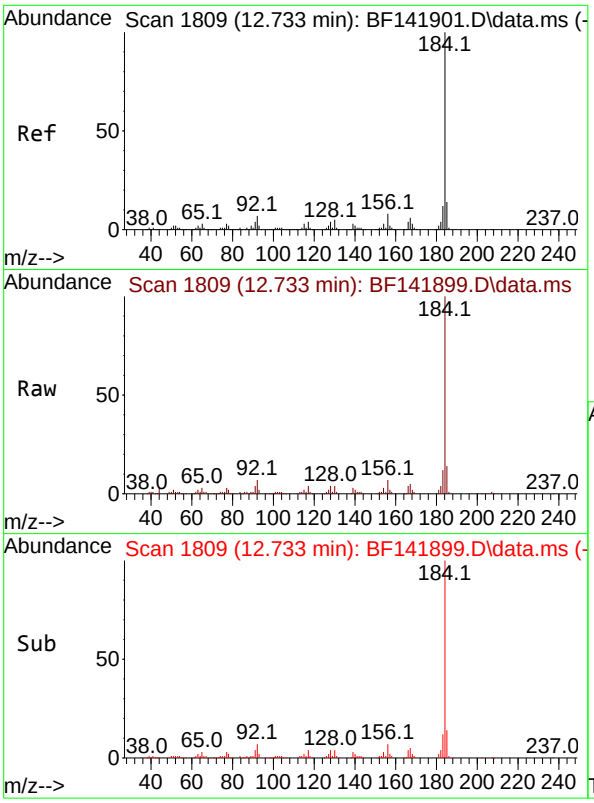


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:240 Resp: 703100

Ion	Ratio	Lower	Upper
240	100		
120	9.7	8.4	12.6
236	25.5	20.5	30.7



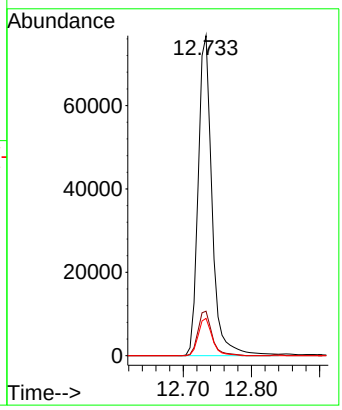


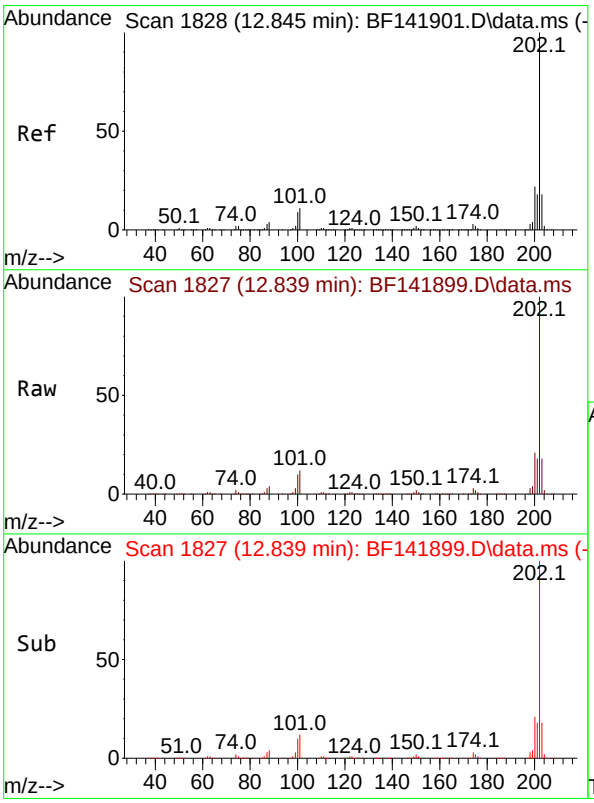
#77
Benzidine
Concen: 10.946 ng
RT: 12.733 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:184 Resp: 108761

Ion	Ratio	Lower	Upper
184	100		
185	13.9	11.5	17.3
183	11.6	9.7	14.5

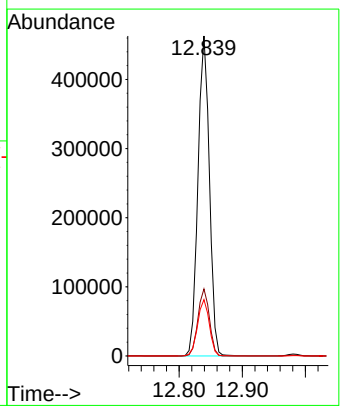


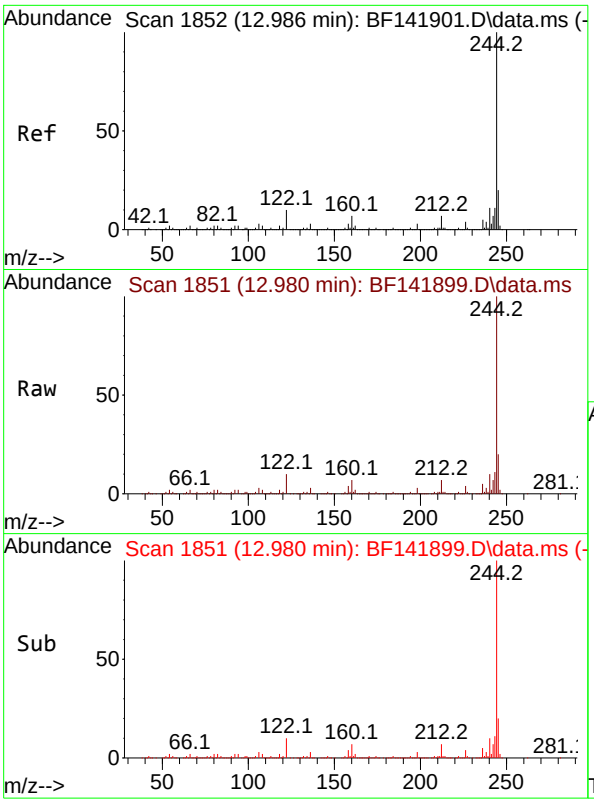


#78
Pyrene
Concen: 9.626 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:202 Resp: 580442

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.3	25.9
203	17.6	14.4	21.6



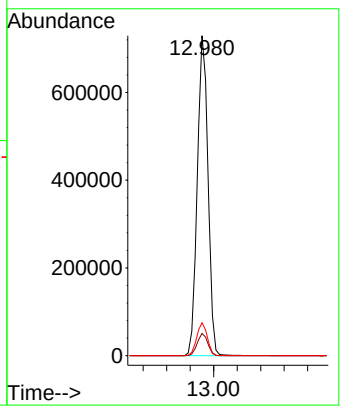


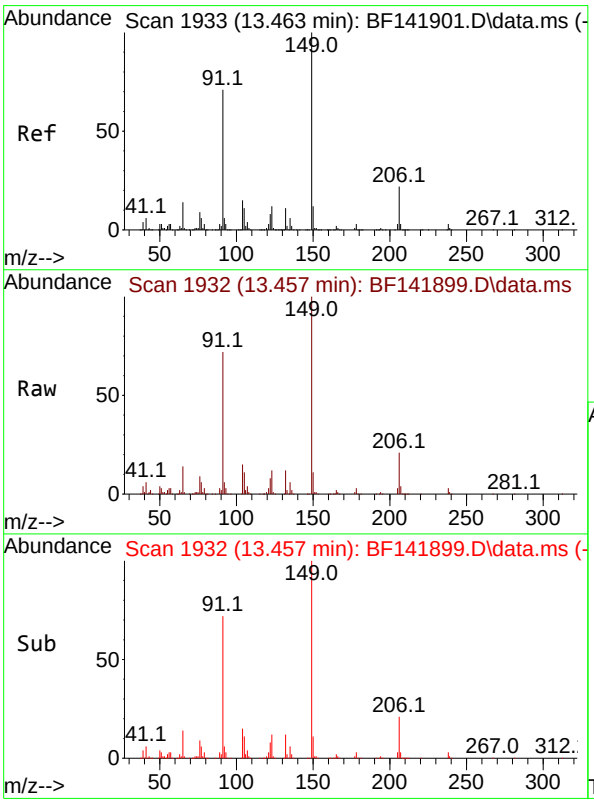
#79
Terphenyl-d14
Concen: 19.345 ng
RT: 12.980 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:244 Resp: 920159

Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	10.3	7.7	11.5

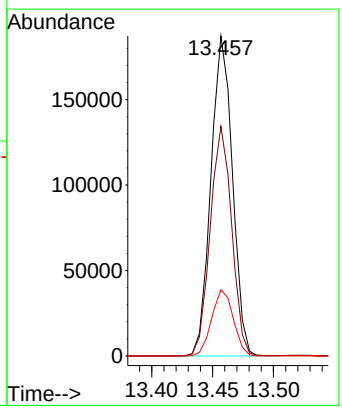


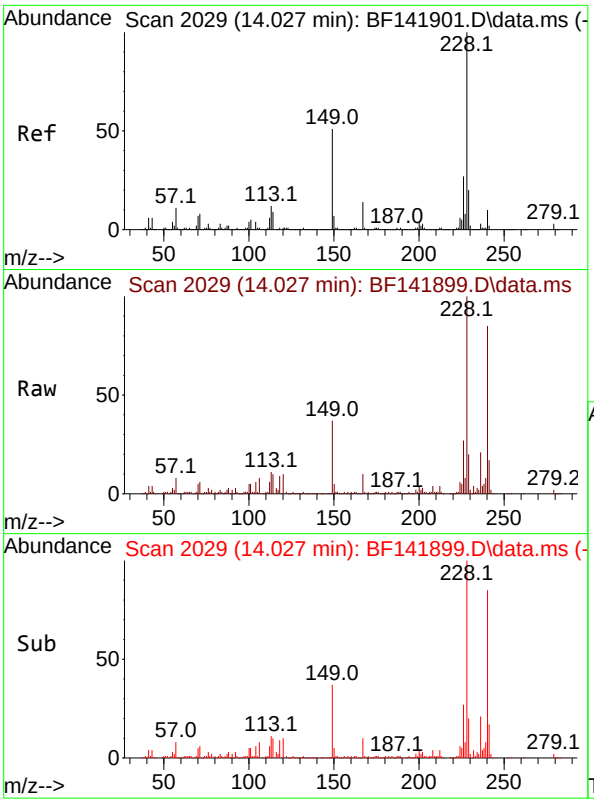


#80
Butylbenzylphthalate
Concen: 9.710 ng
RT: 13.457 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:149 Resp: 230714

Ion	Ratio	Lower	Upper
149	100		
91	71.8	56.5	84.7
206	20.7	17.3	25.9



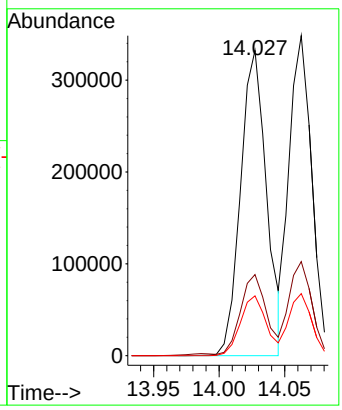


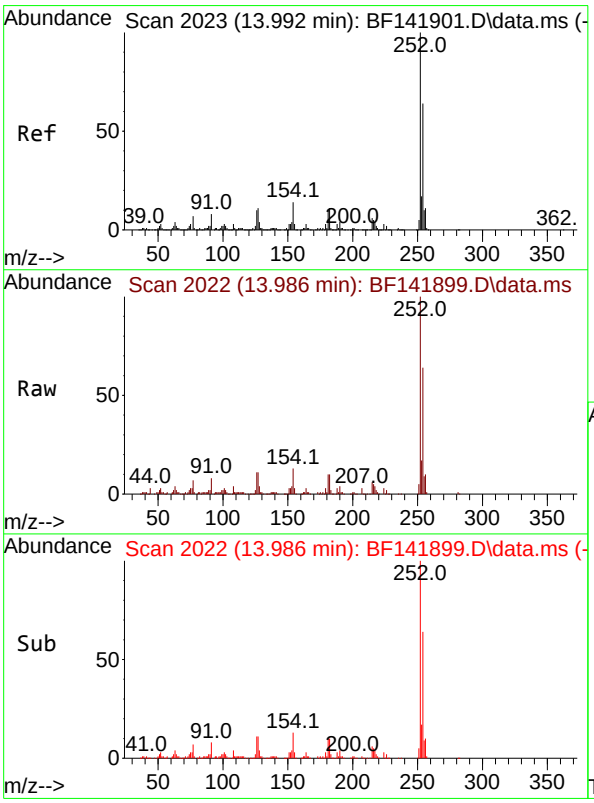
#81
Benzo(a)anthracene
Concen: 9.911 ng
RT: 14.027 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 458422

Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.8	32.8
229	19.6	16.0	24.0

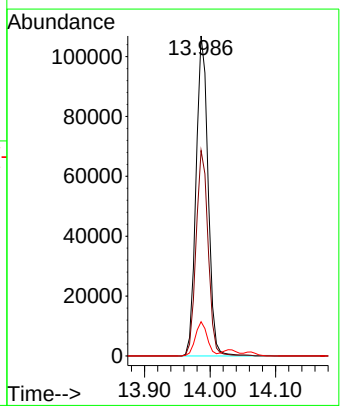


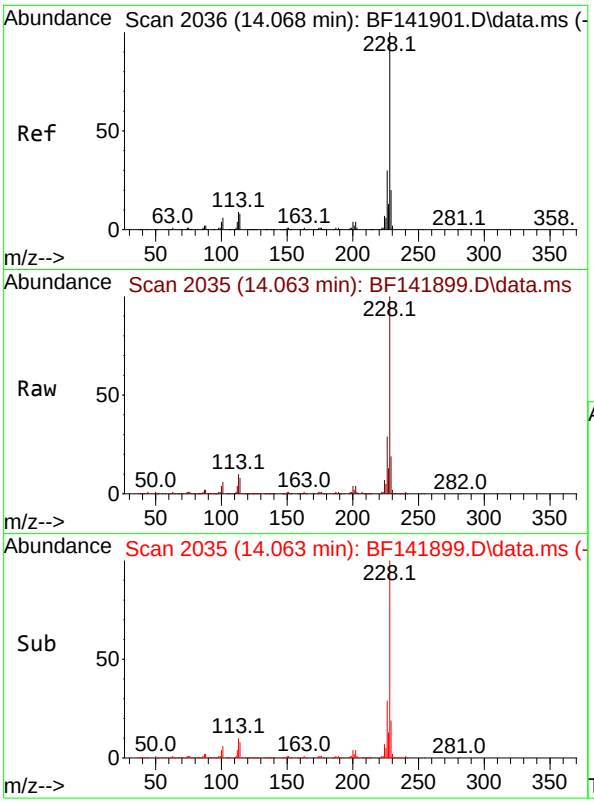


#82
3,3'-Dichlorobenzidine
Concen: 10.236 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:252 Resp: 136843

Ion	Ratio	Lower	Upper
252	100		
254	64.2	51.0	76.6
126	10.7	8.4	12.6



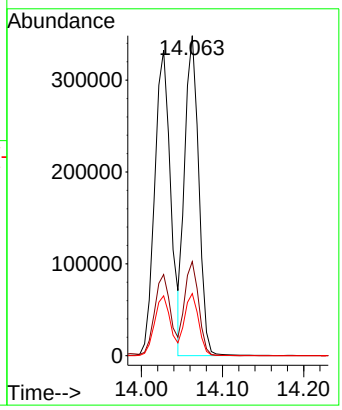


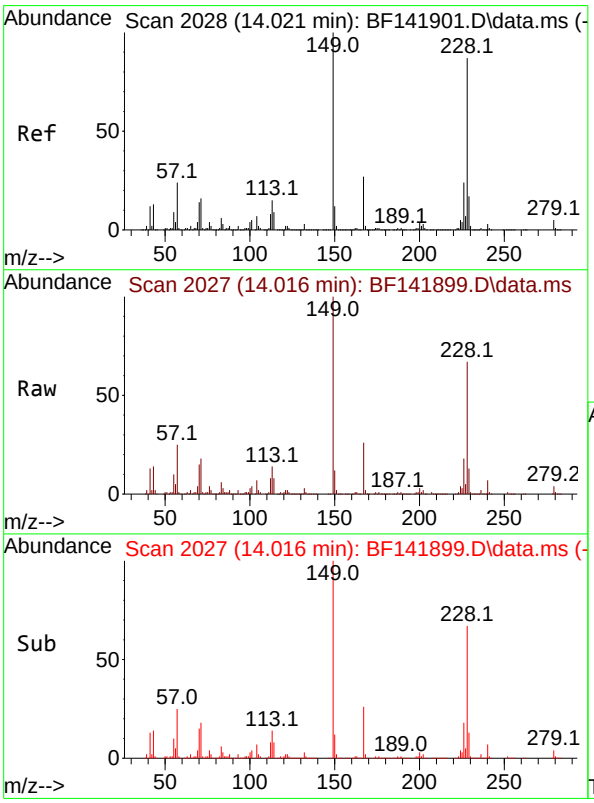
#83
Chrysene
Concen: 10.100 ng
RT: 14.063 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 419687

Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.1	36.1
229	19.4	15.7	23.5

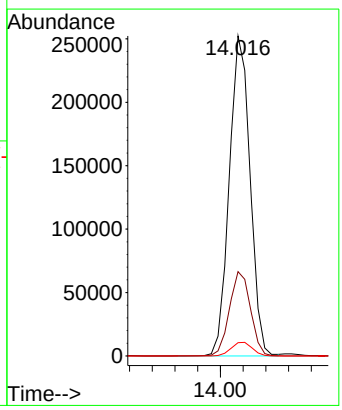


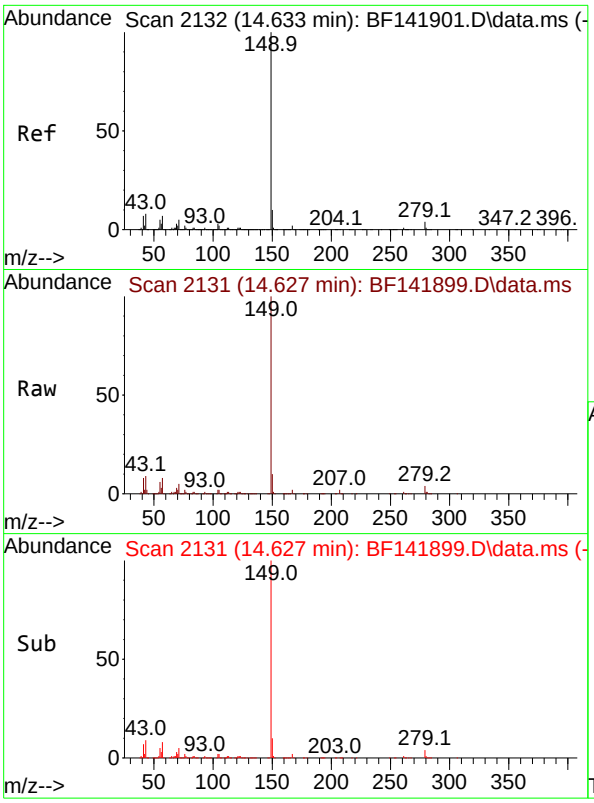


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.833 ng
RT: 14.016 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:149 Resp: 320536

Ion	Ratio	Lower	Upper
149	100		
167	26.4	21.4	32.0
279	4.1	3.8	5.6



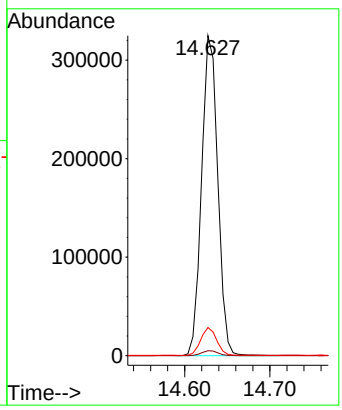


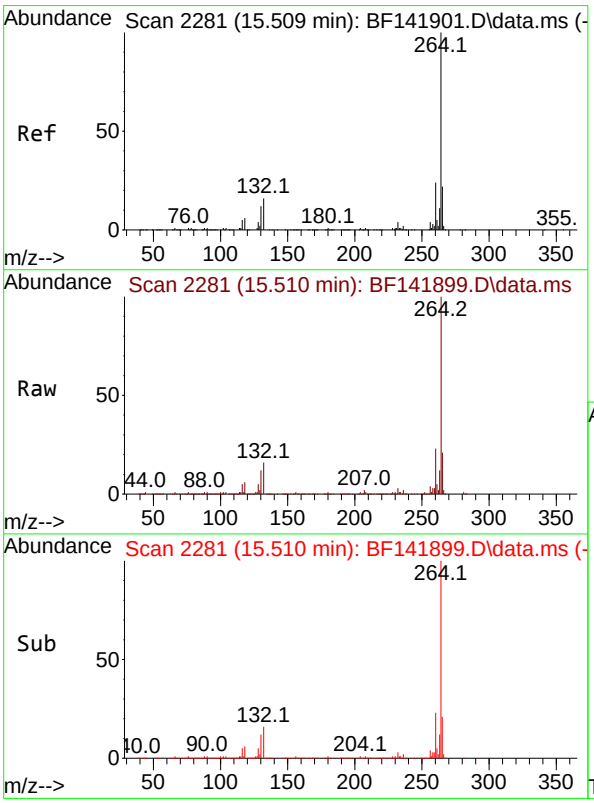
#85
Di-n-octyl phthalate
Concen: 9.442 ng
RT: 14.627 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:149 Resp: 428377

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.6	6.9	10.3

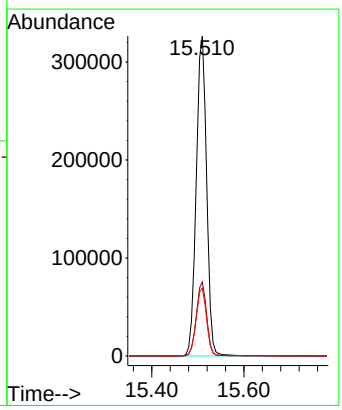


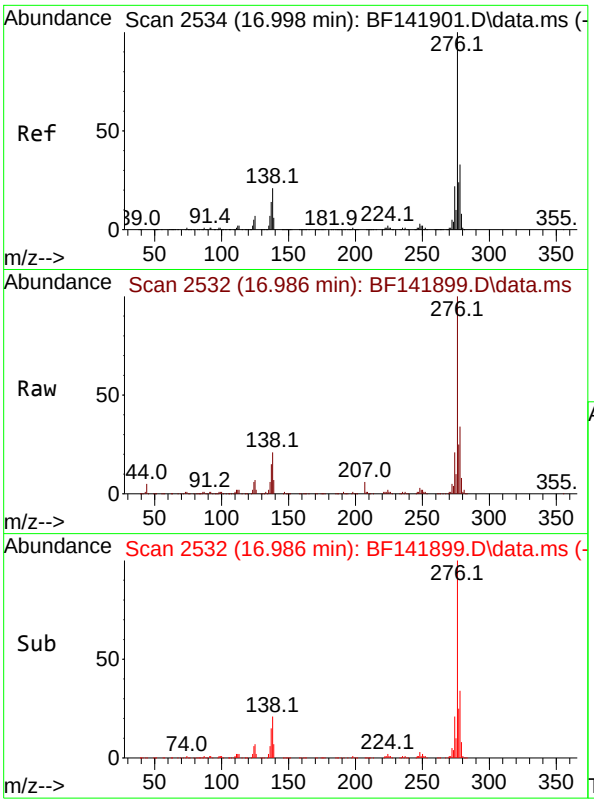


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 2281
Delta R.T. 0.000 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:264 Resp: 510790

Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.1	28.7
265	21.2	17.5	26.3



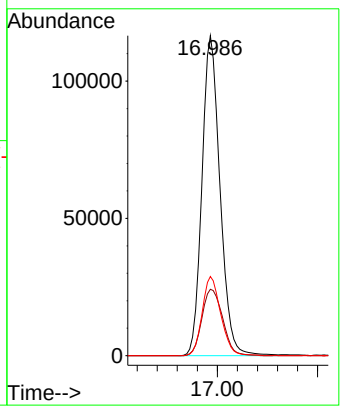


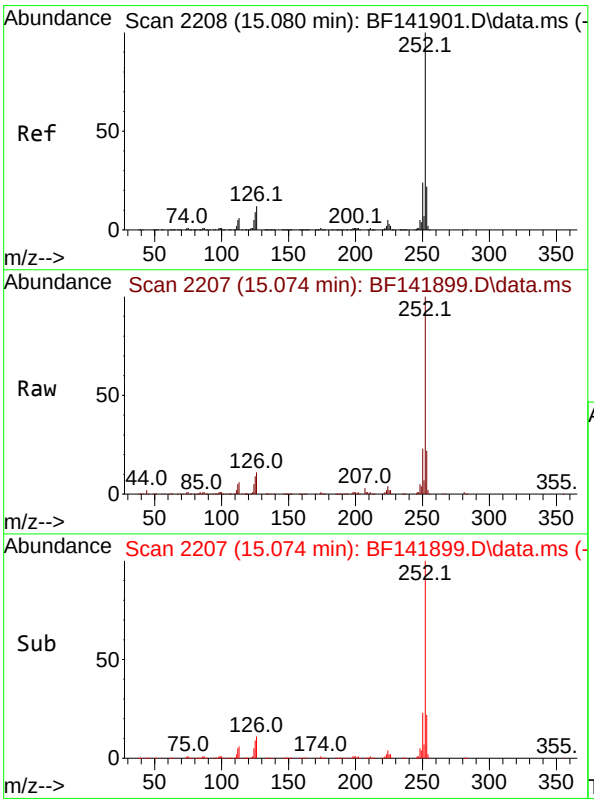
#87
Indeno(1,2,3-cd)pyrene
Concen: 8.807 ng
RT: 16.986 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:276 Resp: 291723

Ion	Ratio	Lower	Upper
276	100		
138	23.8	18.4	27.6
277	25.3	20.3	30.5

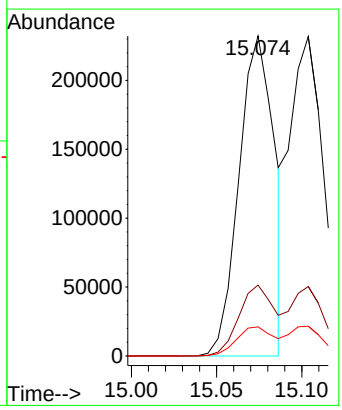


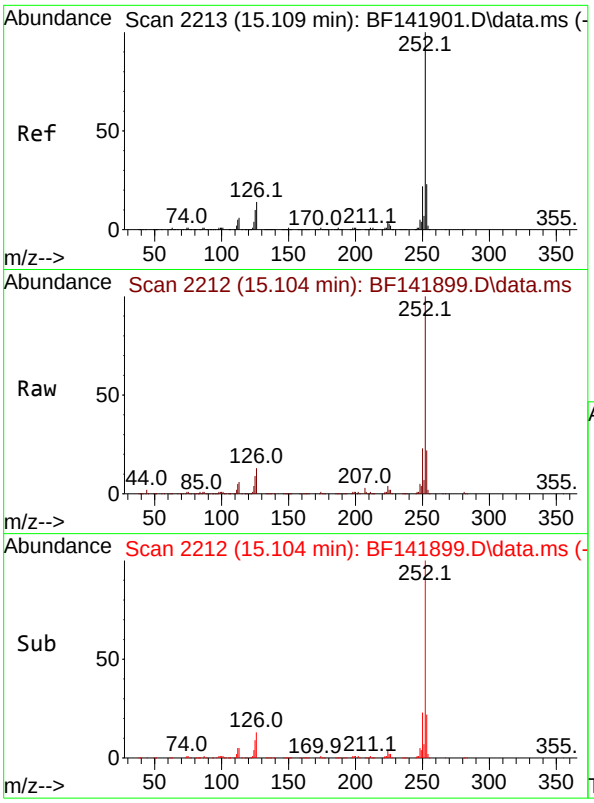


#88
Benzo(b)fluoranthene
Concen: 9.659 ng
RT: 15.074 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:252 Resp: 334664

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	9.1	7.0	10.4



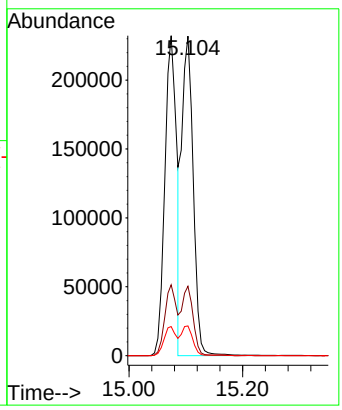


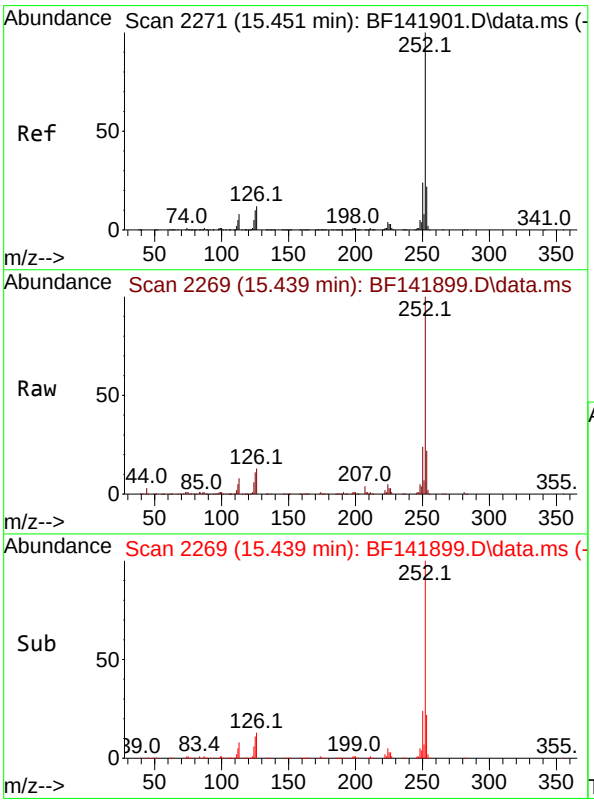
#89
Benzo(k)fluoranthene
Concen: 10.698 ng
RT: 15.104 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:252 Resp: 323772

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.7	26.5
125	9.3	7.2	10.8

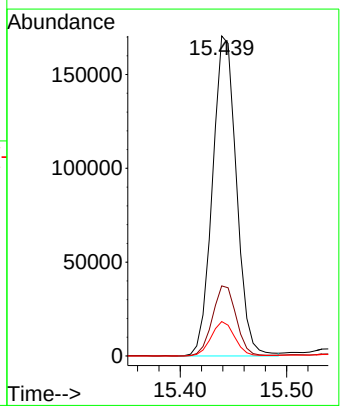


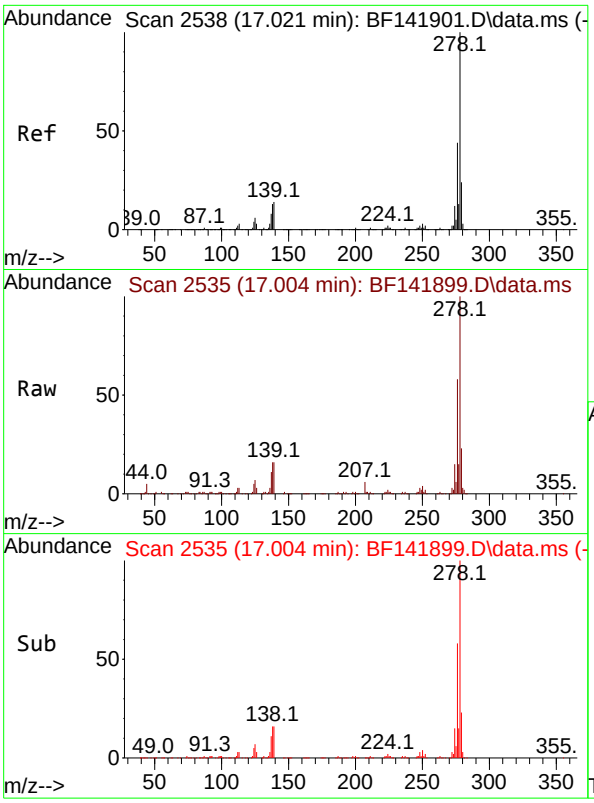


#90
Benzo(a)pyrene
Concen: 9.740 ng
RT: 15.439 min Scan# 2269
Delta R.T. -0.012 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:252 Resp: 266149

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.0
125	10.7	7.8	11.8



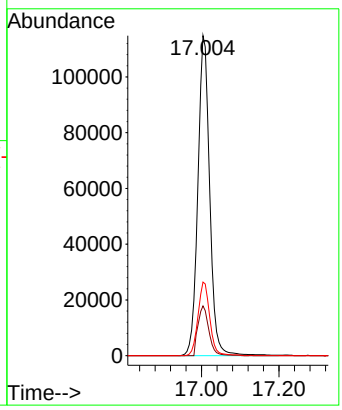


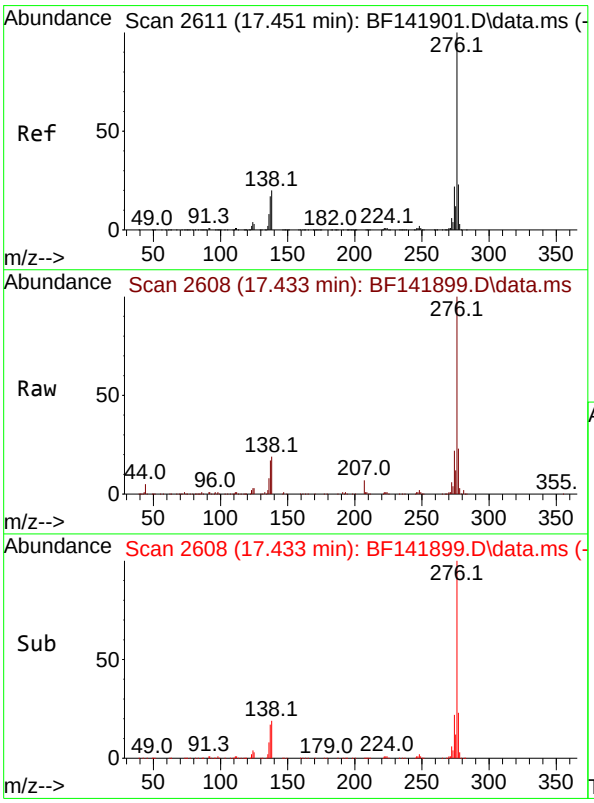
#91
Dibenzo(a,h)anthracene
Concen: 8.907 ng
RT: 17.004 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:278 Resp: 243443

Ion	Ratio	Lower	Upper
278	100		
139	15.5	11.4	17.2
279	23.0	18.8	28.2

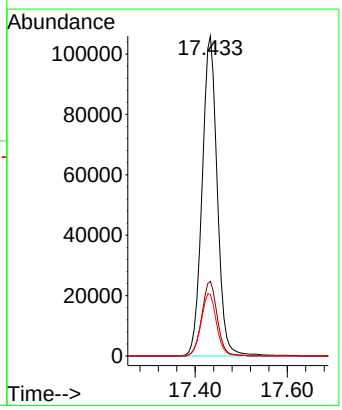




#92
Benzo(g,h,i)perylene
Concen: 8.941 ng
RT: 17.433 min Scan# 2608
Delta R.T. -0.018 min
Lab File: BF141899.D
Acq: 10 Mar 2025 12:00

Tgt Ion:276 Resp: 242380

Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.7	28.1
138	19.2	15.8	23.8



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141900.D
Acq On : 10 Mar 2025 12:29
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Mar 10 15:34:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	198053	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	797548	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	470833	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	826085	20.000	ng	0.00
76) Chrysene-d12	14.039	240	581591	20.000	ng	0.00
86) Perylene-d12	15.509	264	428960	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	514189	43.318	ng	0.00
7) Phenol-d6	6.498	99	651272	43.079	ng	0.00
23) Nitrobenzene-d5	7.439	82	604270	42.465	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	243832	40.869	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	1298709	42.002	ng	0.00
79) Terphenyl-d14	12.986	244	1582373	40.218	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.669	88	106079	21.323	ng	99
3) Pyridine	3.434	79	264229	21.612	ng	100
4) n-Nitrosodimethylamine	3.375	42	122948	21.155	ng	99
6) Aniline	6.539	93	324802	21.763	ng	99
8) 2-Chlorophenol	6.663	128	284082	21.592	ng	99
9) Benzaldehyde	6.428	77	193024	22.843	ng	98
10) Phenol	6.510	94	346008	21.692	ng	97
11) bis(2-Chloroethyl)ether	6.610	93	253793	21.236	ng	98
12) 1,3-Dichlorobenzene	6.822	146	304632	21.426	ng	98
13) 1,4-Dichlorobenzene	6.898	146	306665	21.319	ng	100
14) 1,2-Dichlorobenzene	7.051	146	289199	21.349	ng	99
15) Benzyl Alcohol	7.016	79	261893	21.402	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	303847	21.095	ng	99
17) 2-Methylphenol	7.122	107	222173	21.248	ng	97
18) Hexachloroethane	7.392	117	114019	21.141	ng	99
19) n-Nitroso-di-n-propyla...	7.286	70	206654	21.268	ng	97
20) 3+4-Methylphenols	7.275	107	291065	21.702	ng	99
22) Acetophenone	7.286	105	409149	21.385	ng	99
24) Nitrobenzene	7.457	77	299046	21.196	ng	99
25) Isophorone	7.698	82	522239	20.788	ng	100
26) 2-Nitrophenol	7.775	139	144979	20.970	ng	99
27) 2,4-Dimethylphenol	7.804	122	200058	21.009	ng	100
28) bis(2-Chloroethoxy)met...	7.904	93	331966	21.093	ng	99
29) 2,4-Dichlorophenol	8.010	162	246810	20.884	ng	100
30) 1,2,4-Trichlorobenzene	8.098	180	272773	20.922	ng	97
31) Naphthalene	8.181	128	877897	21.487	ng	99
32) Benzoic acid	7.892	122	152420	18.313	ng	99
33) 4-Chloroaniline	8.228	127	313249	21.726	ng	98
34) Hexachlorobutadiene	8.298	225	176253	20.791	ng	99
35) Caprolactam	8.580	113	75048	20.884	ng	99
36) 4-Chloro-3-methylphenol	8.698	107	278207	21.168	ng	100
37) 2-Methylnaphthalene	8.875	142	584552	21.324	ng	99
38) 1-Methylnaphthalene	8.975	142	575428	21.677	ng	99
40) 1,2,4,5-Tetrachloroben...	9.039	216	294845	20.538	ng	99
41) Hexachlorocyclopentadiene	9.028	237	117174	20.685	ng	100
43) 2,4,6-Trichlorophenol	9.145	196	189069	20.203	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141900.D
Acq On : 10 Mar 2025 12:29
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Mar 10 15:34:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

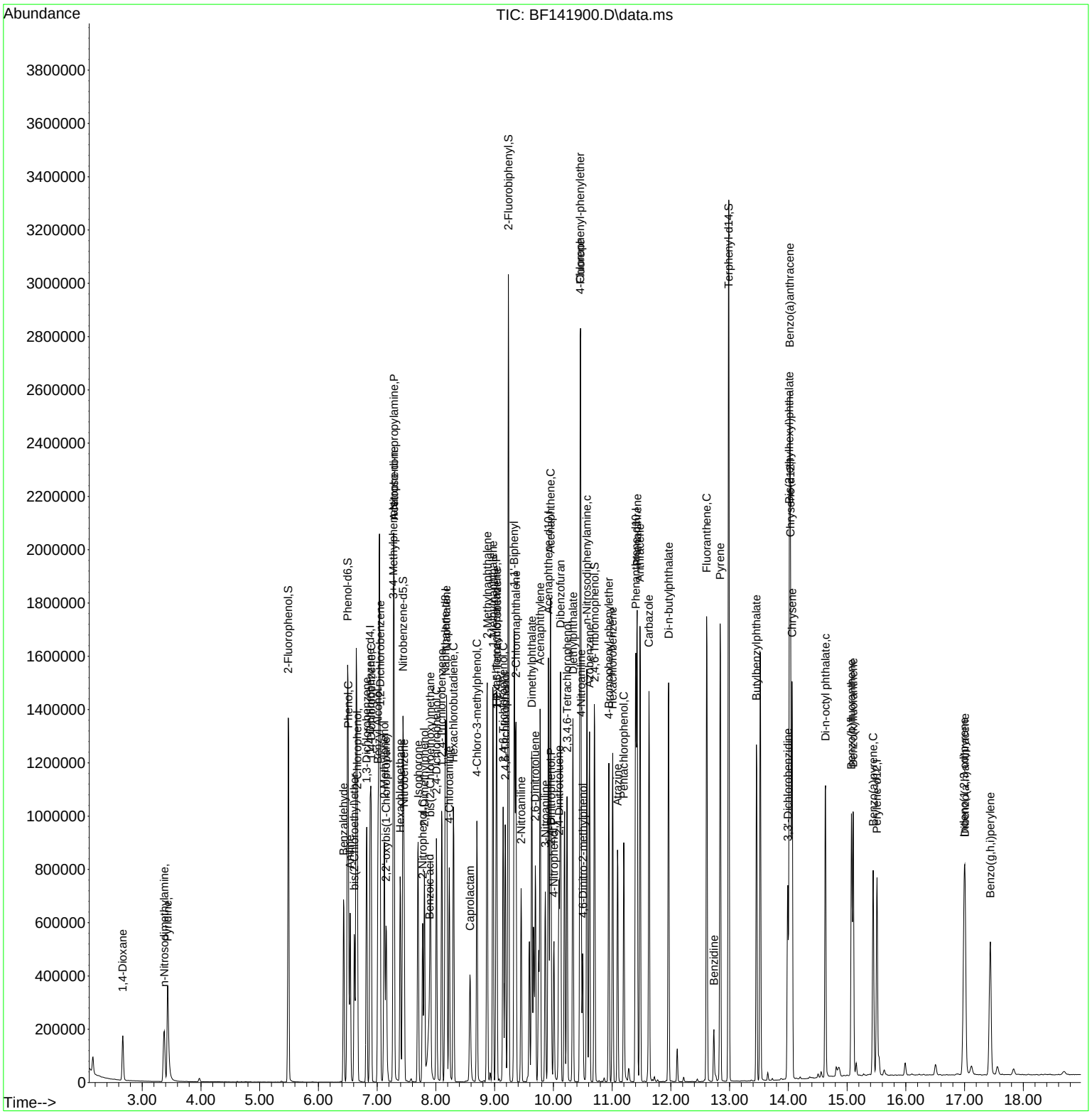
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.180	196	198841	20.912	ng		99
46) 1,1'-Biphenyl	9.333	154	749087	20.985	ng		100
47) 2-Chloronaphthalene	9.363	162	555946	20.898	ng		98
48) 2-Nitroaniline	9.451	65	162790	21.302	ng		97
49) Acenaphthylene	9.775	152	837016	21.222	ng		99
50) Dimethylphthalate	9.633	163	691454	21.137	ng		100
51) 2,6-Dinitrotoluene	9.692	165	143513	21.096	ng		100
52) Acenaphthene	9.951	154	579623	20.813	ng		98
53) 3-Nitroaniline	9.863	138	148977	21.327	ng		98
54) 2,4-Dinitrophenol	9.963	184	58223	20.368	ng	#	33
55) Dibenzofuran	10.122	168	843359	21.238	ng		98
56) 4-Nitrophenol	10.010	139	109958	20.955	ng		100
57) 2,4-Dinitrotoluene	10.098	165	189234	21.132	ng		98
58) Fluorene	10.463	166	650245	21.211	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	183513	21.272	ng		99
60) Diethylphthalate	10.333	149	704993	21.468	ng		100
61) 4-Chlorophenyl-phenyle...	10.457	204	330489	20.698	ng		99
62) 4-Nitroaniline	10.474	138	142995	21.125	ng		99
63) Azobenzene	10.616	77	660935	21.665	ng		99
65) 4,6-Dinitro-2-methylph...	10.504	198	91852	18.755	ng		98
66) n-Nitrosodiphenylamine	10.569	169	553905	20.756	ng		99
67) 4-Bromophenyl-phenylether	10.945	248	210241	20.436	ng		100
68) Hexachlorobenzene	11.010	284	234399	20.613	ng		99
69) Atrazine	11.092	200	159306	24.481	ng		99
70) Pentachlorophenol	11.198	266	141842	20.227	ng		100
71) Phenanthrene	11.427	178	939782	21.038	ng		99
72) Anthracene	11.474	178	940875	20.993	ng		99
73) Carbazole	11.627	167	813998	21.096	ng		100
74) Di-n-butylphthalate	11.963	149	1089304	21.382	ng		99
75) Fluoranthene	12.610	202	1014464	21.632	ng		100
77) Benzidine	12.733	184	110648	13.463	ng		99
78) Pyrene	12.839	202	1004157	20.133	ng		99
80) Butylbenzylphthalate	13.457	149	408044	20.761	ng		98
81) Benzo(a)anthracene	14.027	228	776120	20.285	ng		99
82) 3,3'-Dichlorobenzidine	13.992	252	221168	19.999	ng		99
83) Chrysene	14.062	228	732966	21.325	ng		100
84) Bis(2-ethylhexyl)phtha...	14.015	149	562062	20.845	ng		99
85) Di-n-octyl phthalate	14.633	149	778373	20.740	ng		100
87) Indeno(1,2,3-cd)pyrene	16.992	276	560913	20.163	ng		99
88) Benzo(b)fluoranthene	15.074	252	636808	21.886	ng		100
89) Benzo(k)fluoranthene	15.104	252	513311	20.196	ng		99
90) Benzo(a)pyrene	15.445	252	481683	20.991	ng		100
91) Dibenzo(a,h)anthracene	17.009	278	460109	20.046	ng		99
92) Benzo(g,h,i)perylene	17.439	276	455034	19.987	ng		99

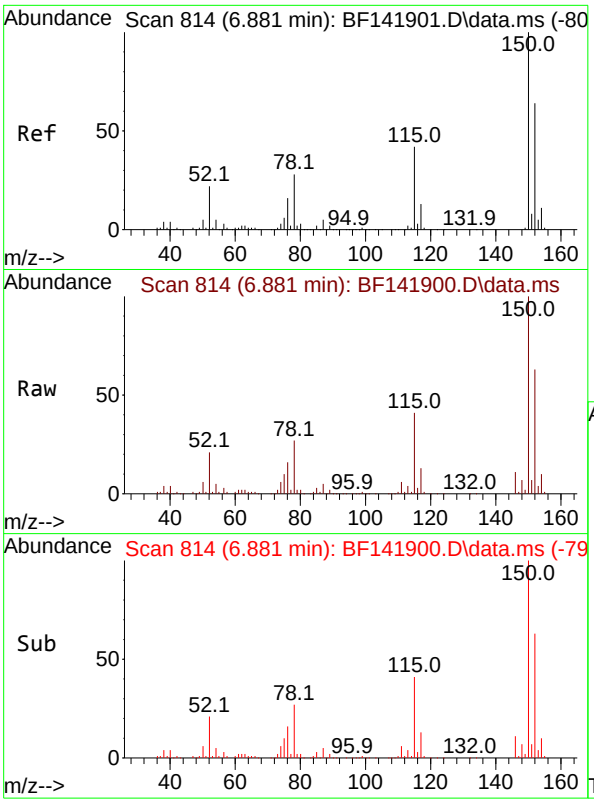
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141900.D
Acq On : 10 Mar 2025 12:29
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Mar 10 15:34:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration



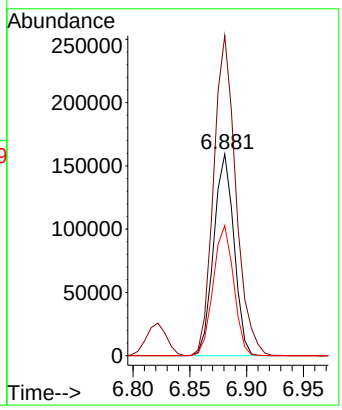


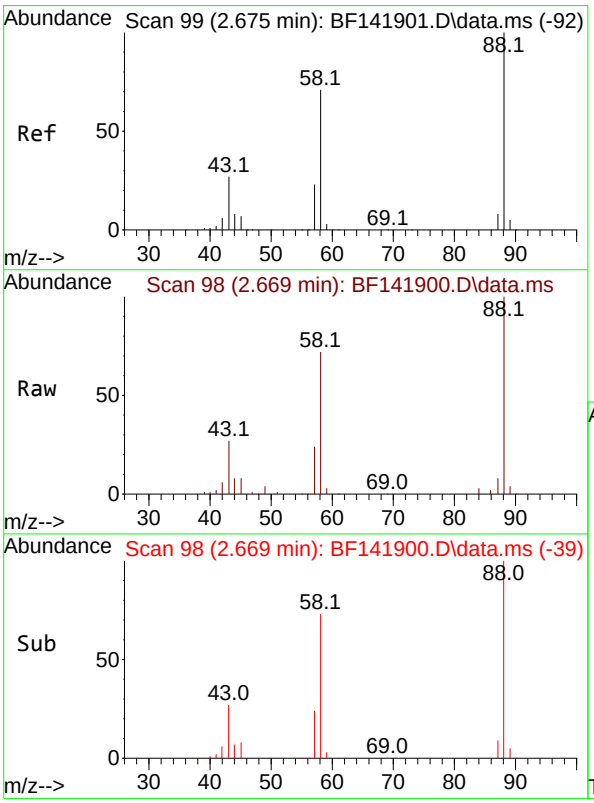
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 198053

Ion	Ratio	Lower	Upper
152	100		
150	158.7	127.4	191.2
115	64.5	51.9	77.9

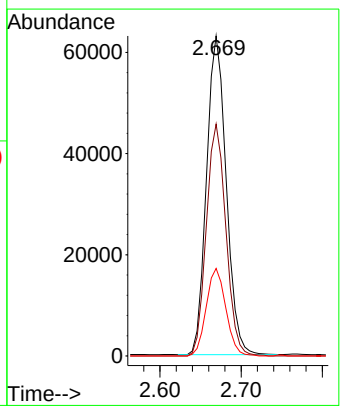


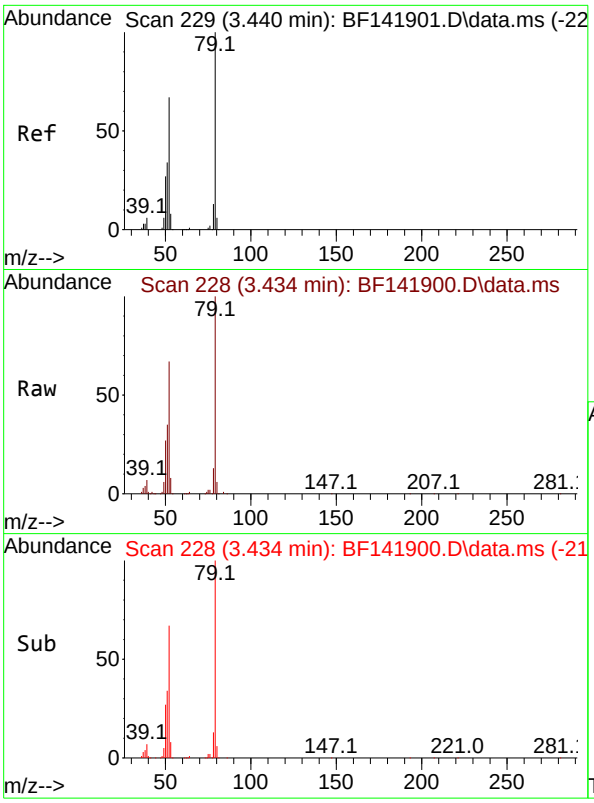


#2
1,4-Dioxane
Concen: 21.323 ng
RT: 2.669 min Scan# 98
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion: 88 Resp: 106079

Ion	Ratio	Lower	Upper
88	100		
58	72.3	57.4	86.2
43	27.4	21.5	32.3



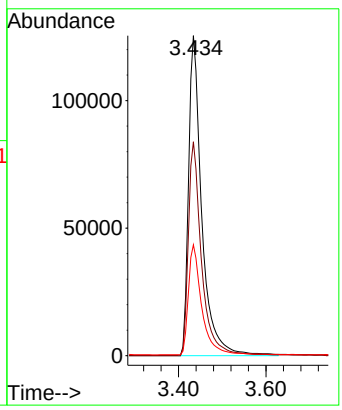


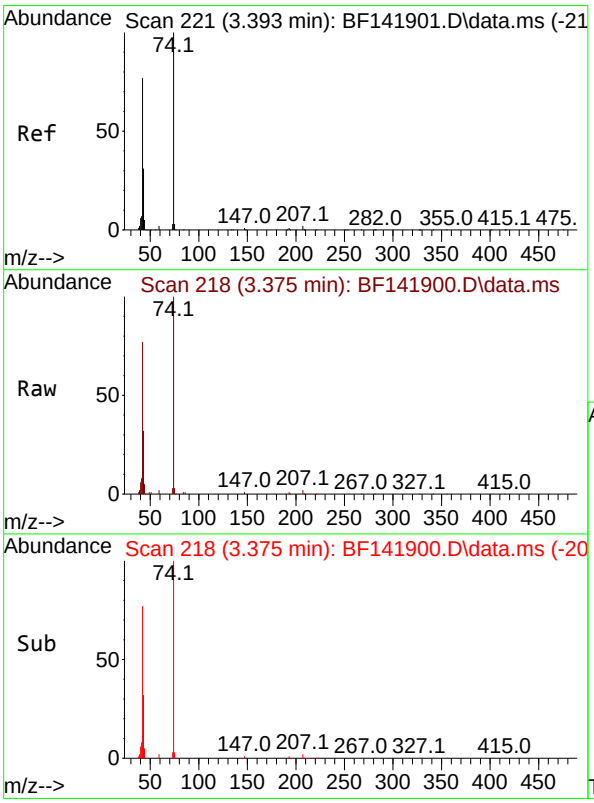
#3
Pyridine
Concen: 21.612 ng
RT: 3.434 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 264229

Ion	Ratio	Lower	Upper
79	100		
52	66.8	53.3	79.9
51	34.7	27.6	41.4

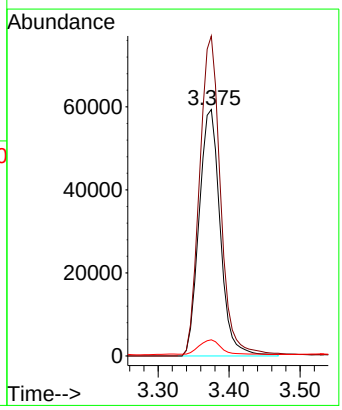


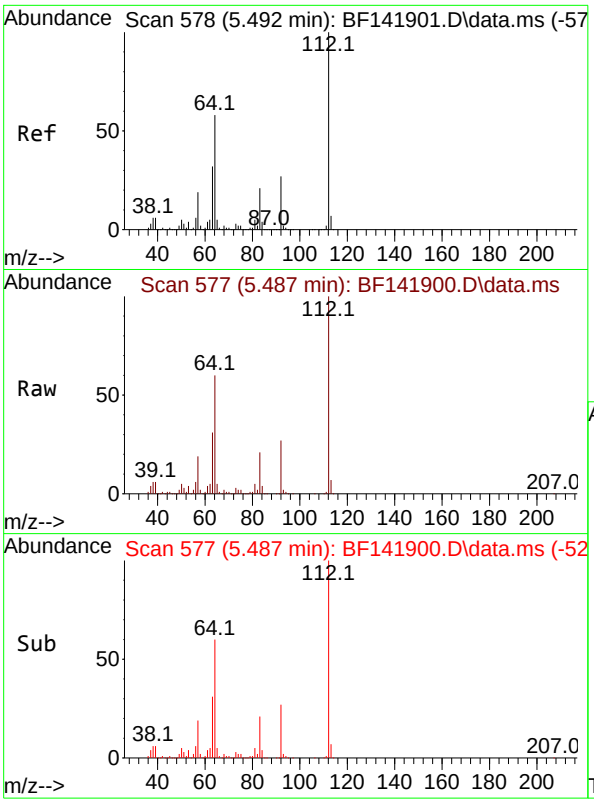


#4
n-Nitrosodimethylamine
Concen: 21.155 ng
RT: 3.375 min Scan# 218
Delta R.T. -0.018 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion: 42 Resp: 122948

Ion	Ratio	Lower	Upper
42	100		
74	129.9	103.4	155.0
44	6.5	5.0	7.4



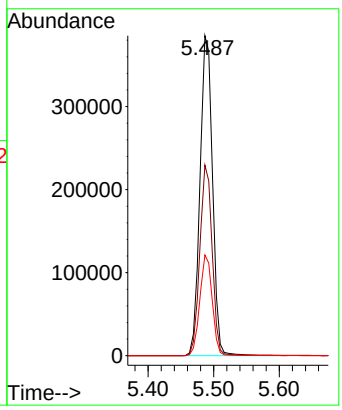


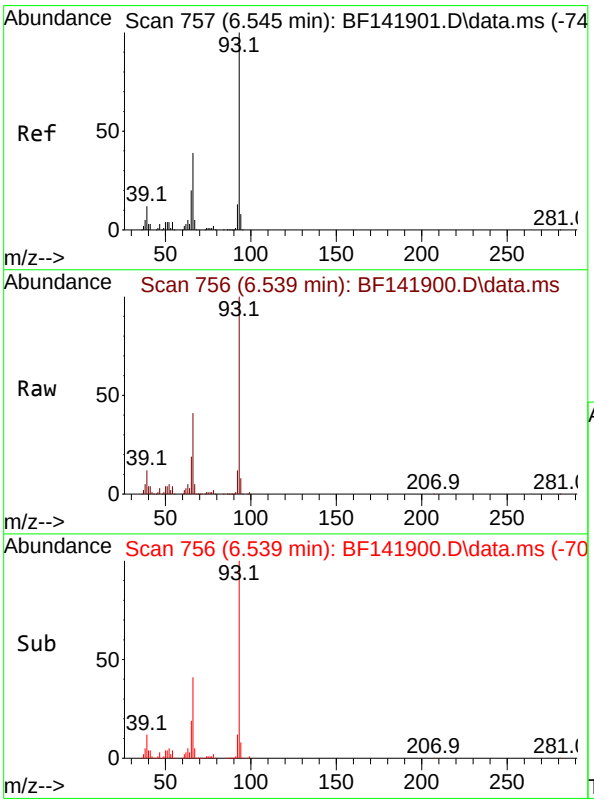
#5
2-Fluorophenol
Concen: 43.318 ng
RT: 5.487 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:112 Resp: 514189

Ion	Ratio	Lower	Upper
112	100		
64	59.5	46.5	69.7
63	31.4	25.4	38.2

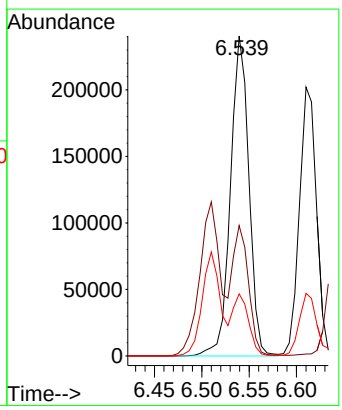


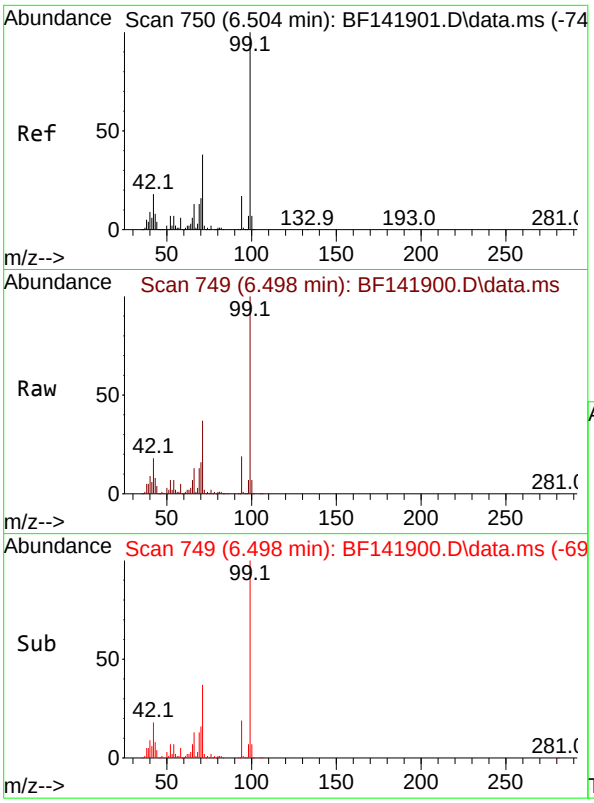


#6
Aniline
Concen: 21.763 ng
RT: 6.539 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion: 93 Resp: 324802

Ion	Ratio	Lower	Upper
93	100		
66	40.8	31.9	47.9
65	19.4	15.8	23.6



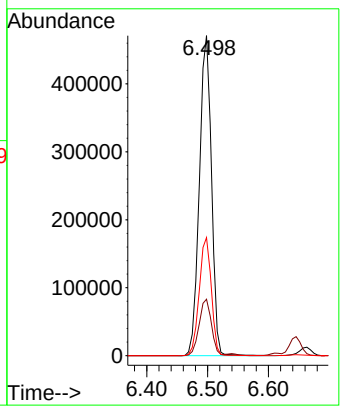


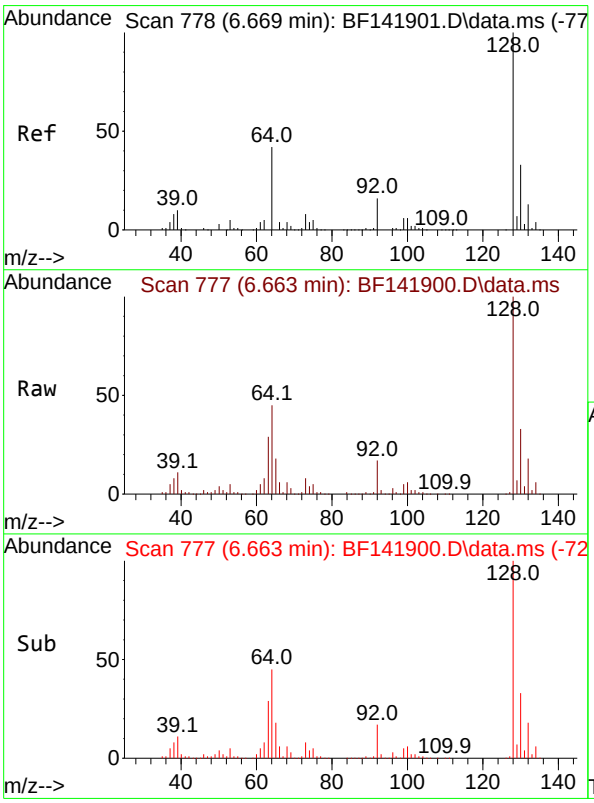
#7
Phenol-d6
Concen: 43.079 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 99 Resp: 651272

Ion	Ratio	Lower	Upper
99	100		
42	17.6	14.6	21.8
71	36.9	30.8	46.2

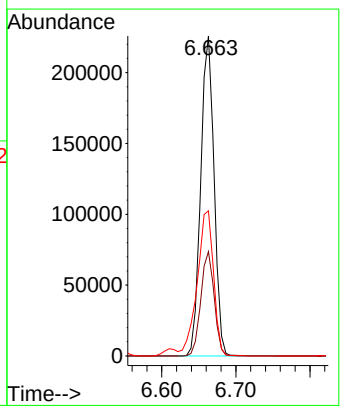


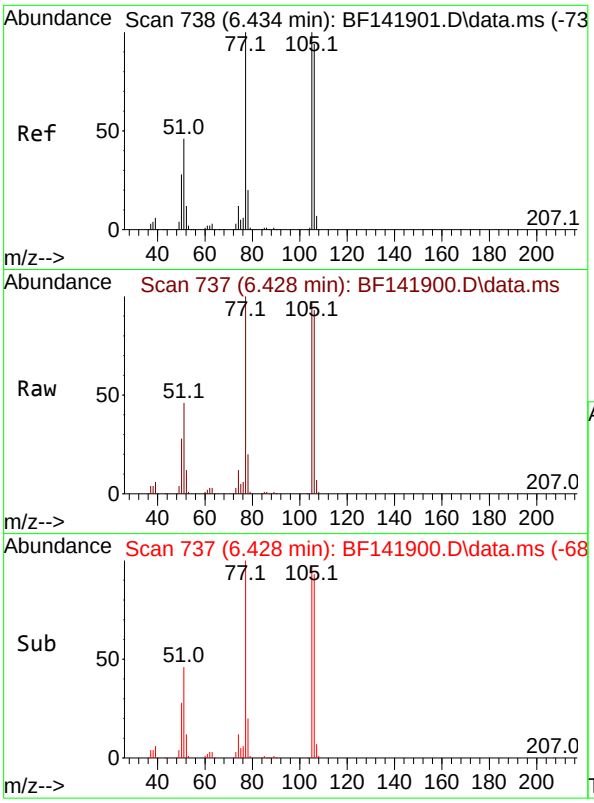


#8
2-Chlorophenol
Concen: 21.592 ng
RT: 6.663 min Scan# 777
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:128 Resp: 284082

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.8	52.8
64	45.4	24.4	64.4



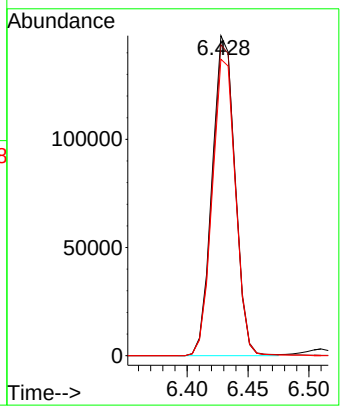


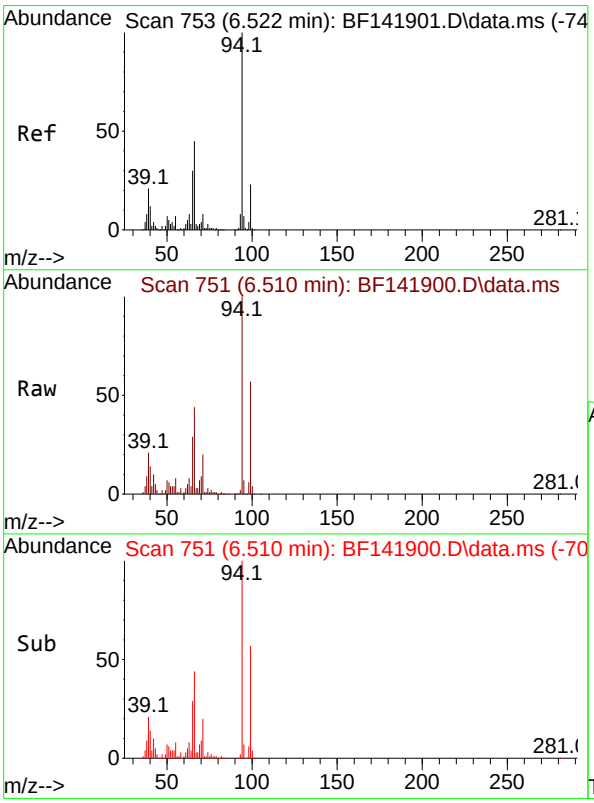
#9
Benzaldehyde
Concen: 22.843 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 193024

Ion	Ratio	Lower	Upper
77	100		
105	97.1	80.0	120.0
106	92.6	74.5	114.5

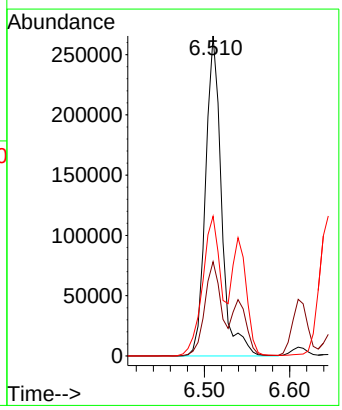


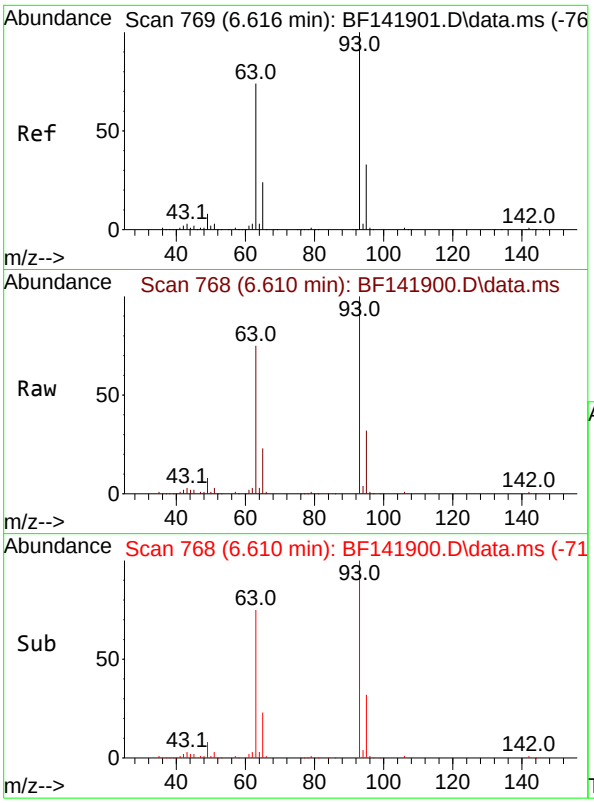


#10
Phenol
Concen: 21.692 ng
RT: 6.510 min Scan# 751
Delta R.T. -0.012 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion: 94 Resp: 346008

Ion	Ratio	Lower	Upper
94	100		
65	29.5	10.5	50.5
66	43.6	25.8	65.8



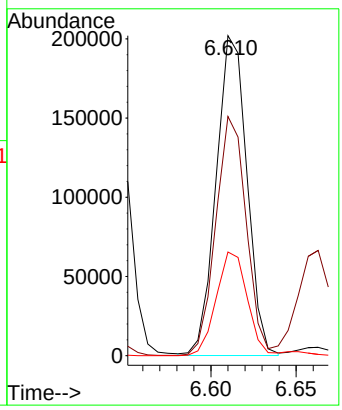


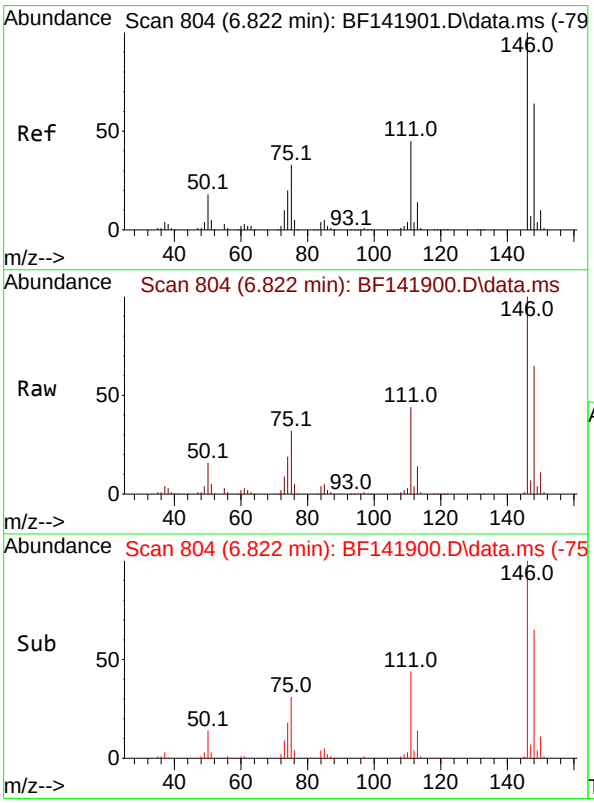
#11
bis(2-Chloroethyl)ether
Concen: 21.236 ng
RT: 6.610 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 93 Resp: 253793

Ion	Ratio	Lower	Upper
93	100		
63	74.8	53.0	93.0
95	32.4	12.9	52.9

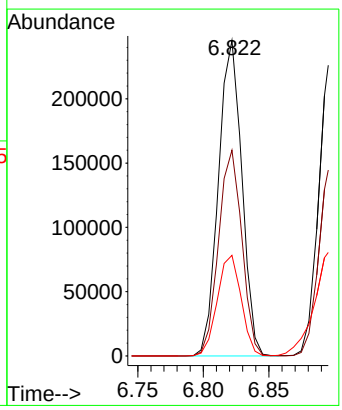


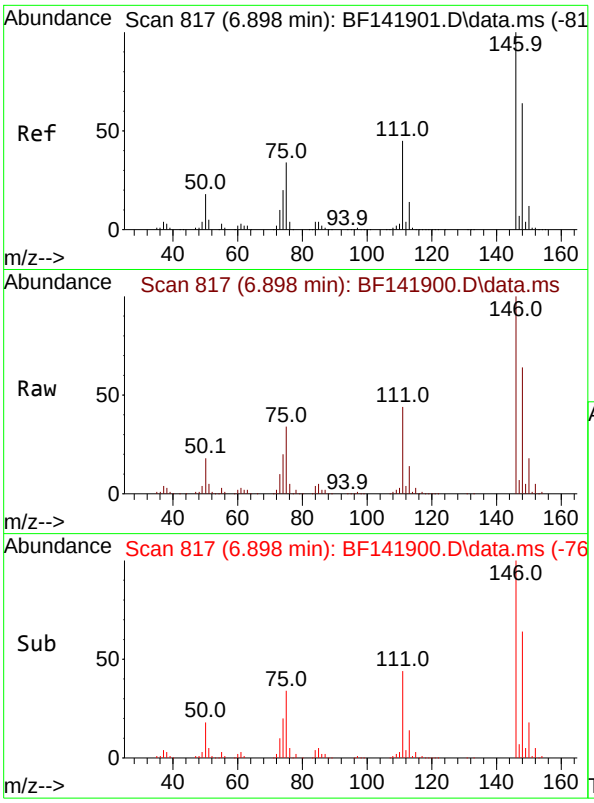


#12
1,3-Dichlorobenzene
Concen: 21.426 ng
RT: 6.822 min Scan# 804
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:146 Resp: 304632

Ion	Ratio	Lower	Upper
146	100		
148	65.2	51.3	76.9
75	31.9	26.6	40.0



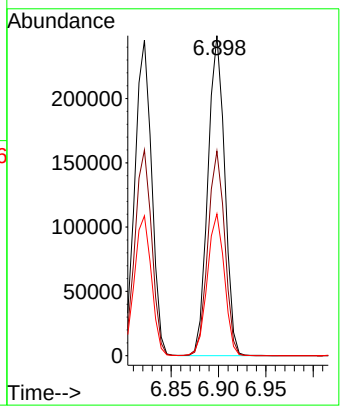


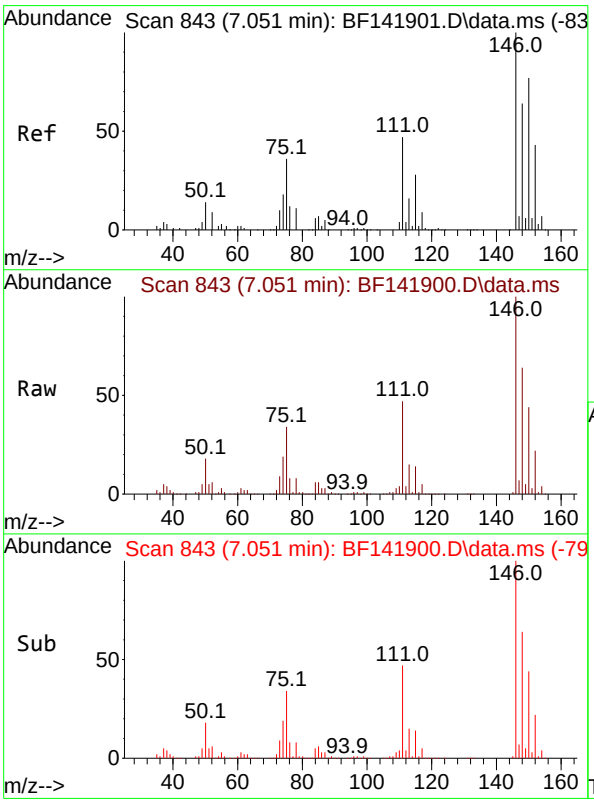
#13
1,4-Dichlorobenzene
Concen: 21.319 ng
RT: 6.898 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:146 Resp: 306665

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.0	76.6
111	44.3	35.7	53.5

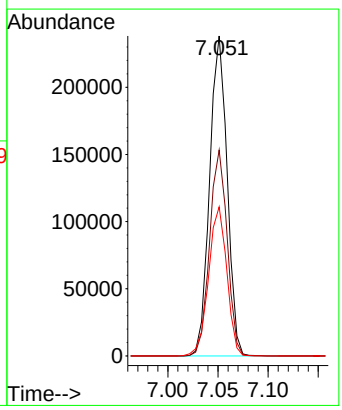


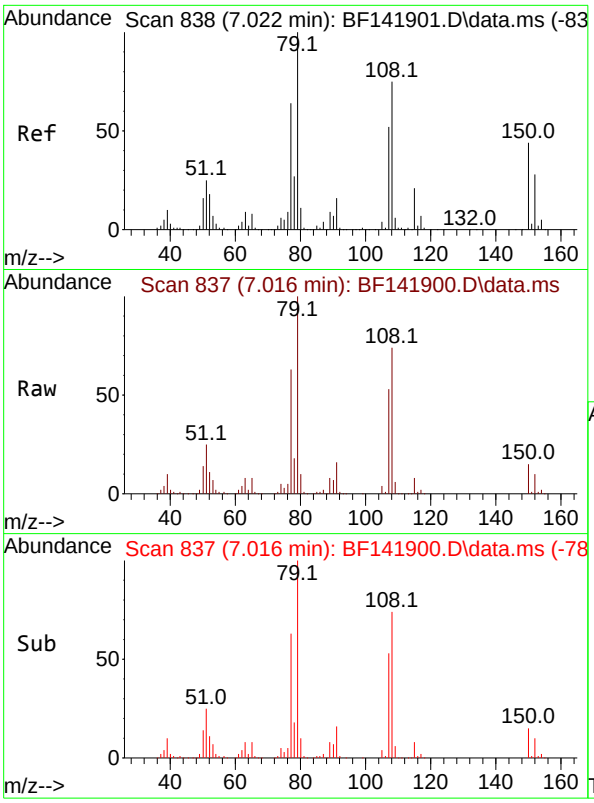


#14
1,2-Dichlorobenzene
Concen: 21.349 ng
RT: 7.051 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:146 Resp: 289199

Ion	Ratio	Lower	Upper
146	100		
148	64.4	50.8	76.2
111	46.6	38.0	57.0



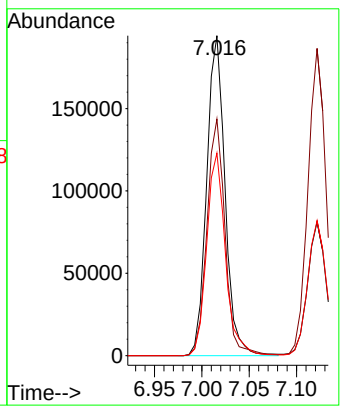


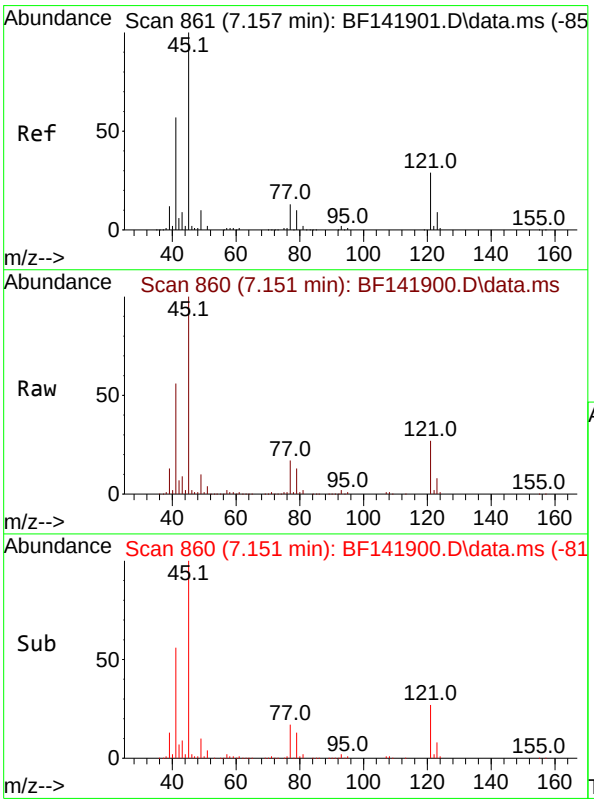
#15
Benzyl Alcohol
Concen: 21.402 ng
RT: 7.016 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 261893

Ion	Ratio	Lower	Upper
79	100		
108	73.9	59.7	89.5
77	63.3	51.0	76.6

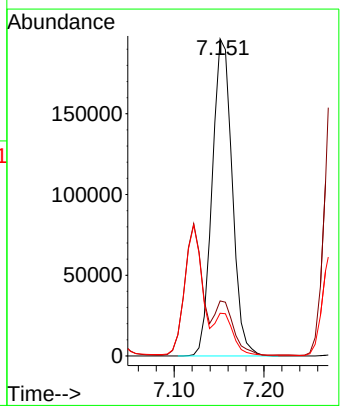


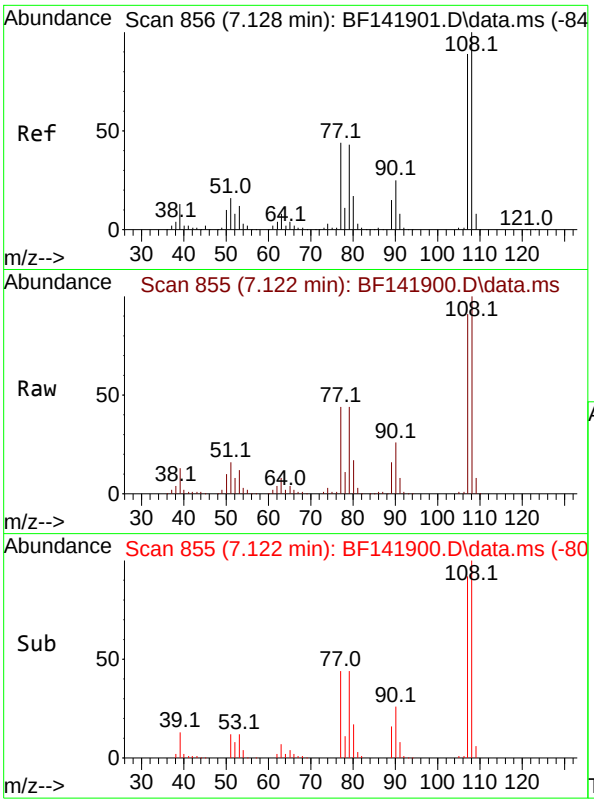


#16
2,2'-oxybis(1-Chloropropane)
Concen: 21.095 ng
RT: 7.151 min Scan# 860
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion: 45 Resp: 303847

Ion	Ratio	Lower	Upper
45	100		
77	17.3	0.0	37.8
79	13.5	0.0	34.2



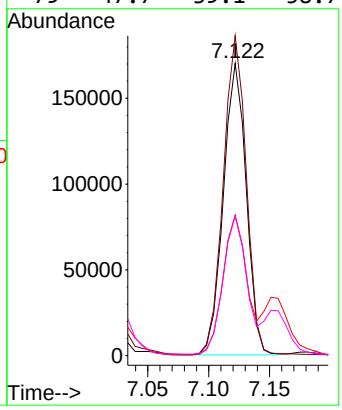


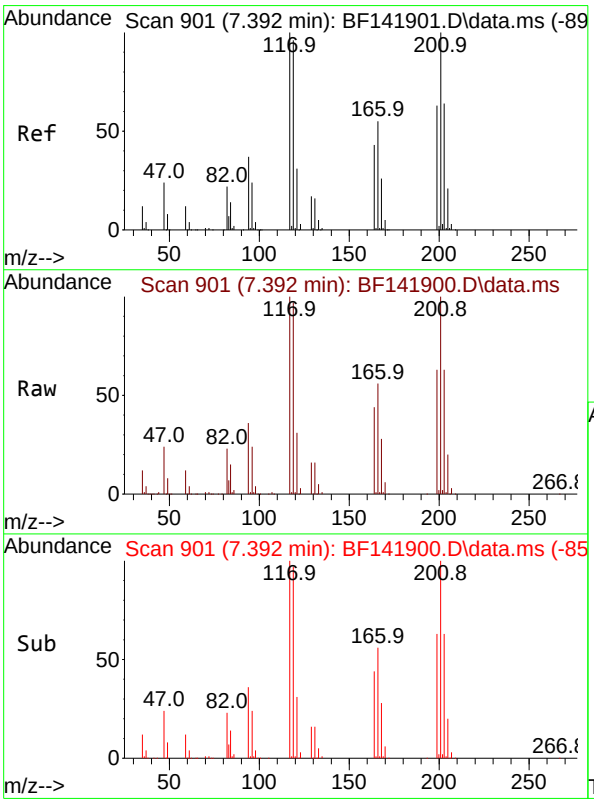
#17
2-Methylphenol
Concen: 21.248 ng
RT: 7.122 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:107 Resp: 222173

Ion	Ratio	Lower	Upper
107	100		
108	109.5	90.2	135.2
77	48.1	39.6	59.4
79	47.7	39.1	58.7

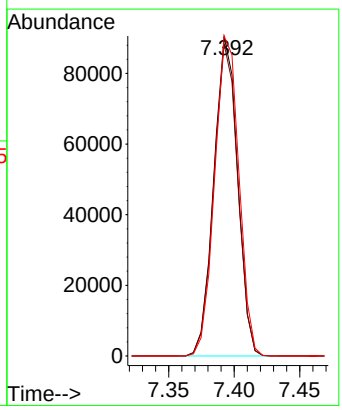


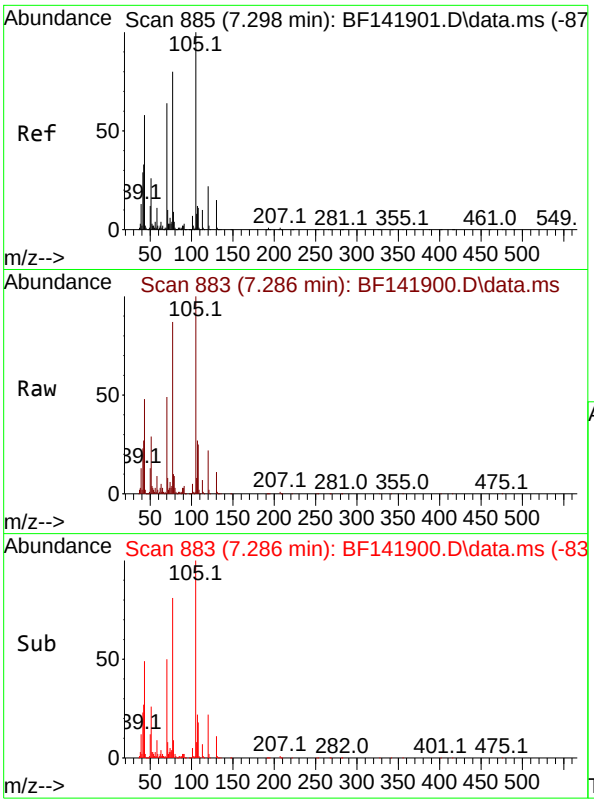


#18
Hexachloroethane
Concen: 21.141 ng
RT: 7.392 min Scan# 901
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:117 Resp: 114019

Ion	Ratio	Lower	Upper
117	100		
119	97.8	76.9	115.3
201	100.3	79.9	119.9



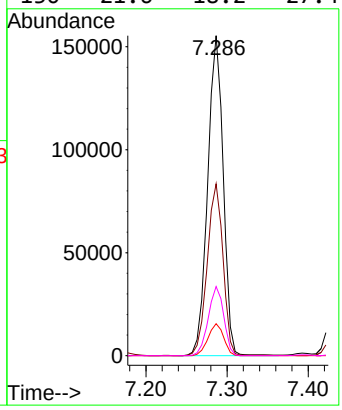


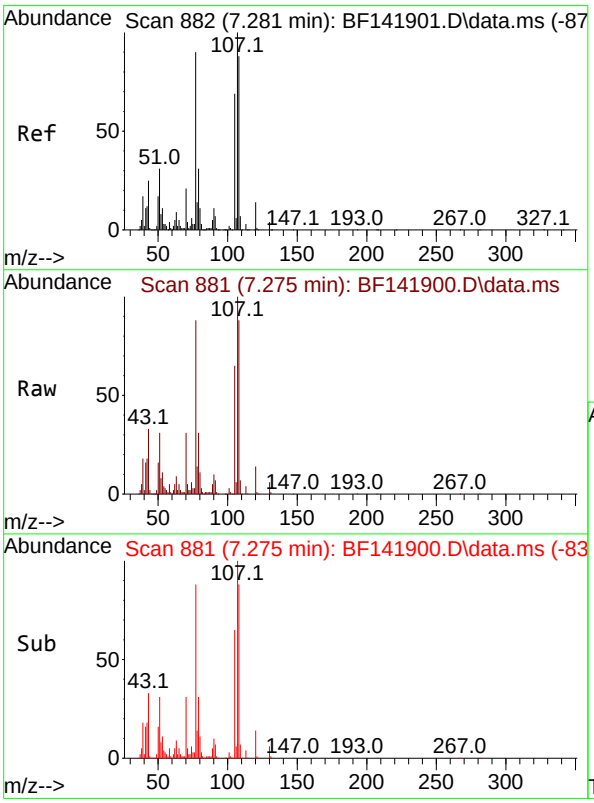
#19
n-Nitroso-di-n-propylamine
Concen: 21.268 ng
RT: 7.286 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 70 Resp: 206654

Ion	Ratio	Lower	Upper
70	100		
42	53.7	41.4	62.0
101	10.0	8.2	12.2
130	21.6	18.2	27.4

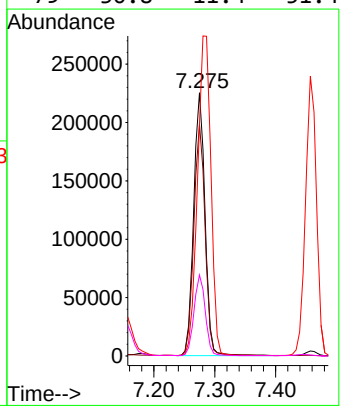


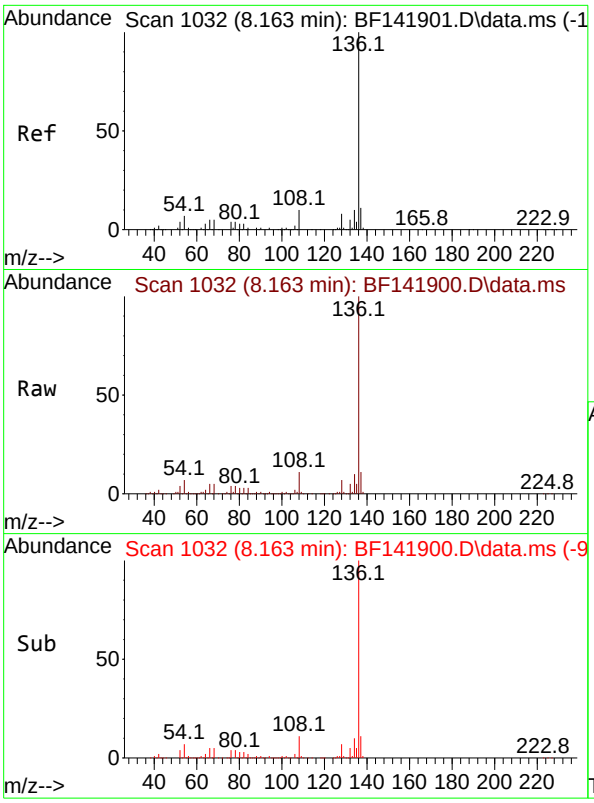


#20
3+4-Methylphenols
Concen: 21.702 ng
RT: 7.275 min Scan# 881
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:107 Resp: 291065

Ion	Ratio	Lower	Upper
107	100		
108	88.1	68.4	108.4
77	87.9	69.7	109.7
79	30.8	11.4	51.4



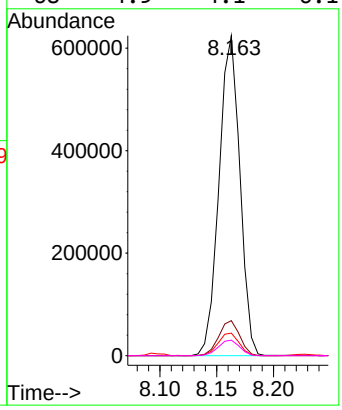


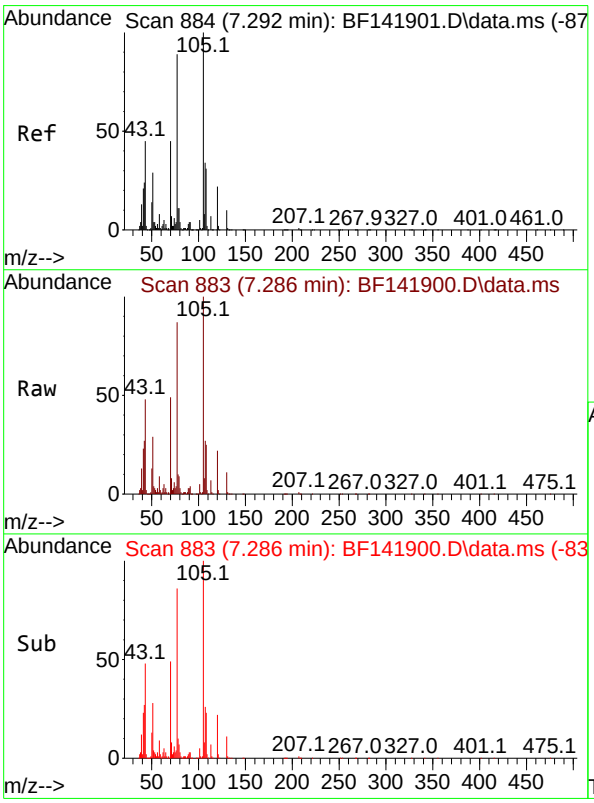
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:136 Resp: 797548

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.1	5.8	8.8
68	4.9	4.1	6.1

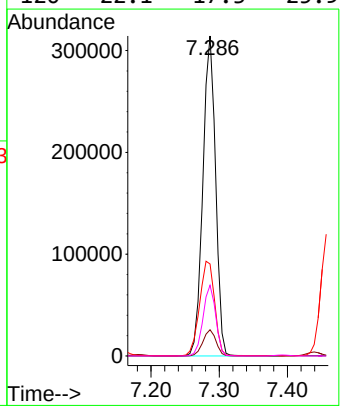


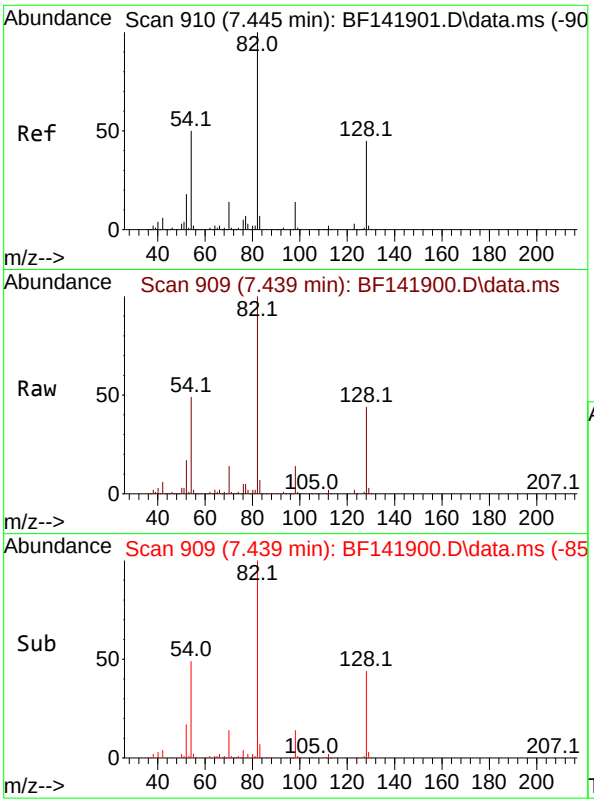


#22
Acetophenone
Concen: 21.385 ng
RT: 7.286 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:105 Resp: 409149

Ion	Ratio	Lower	Upper
105	100		
71	8.2	5.8	8.8
51	28.8	23.4	35.0
120	22.1	17.3	25.9



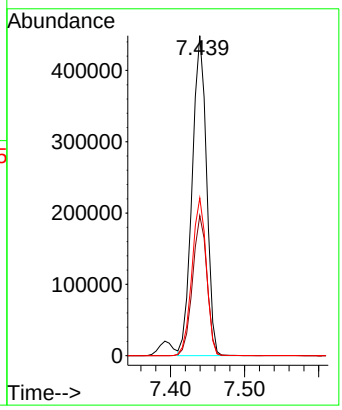


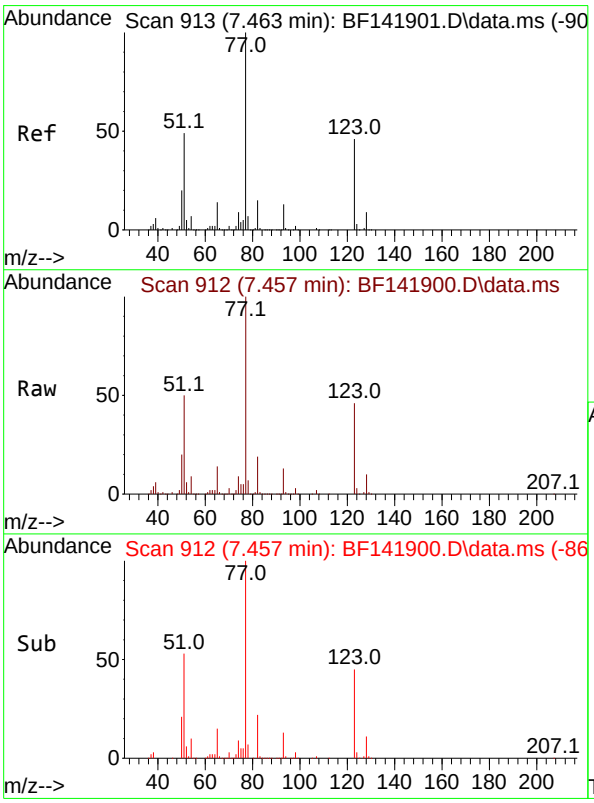
#23
Nitrobenzene-d5
Concen: 42.465 ng
RT: 7.439 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 604270

Ion	Ratio	Lower	Upper
82	100		
128	43.8	36.0	54.0
54	49.3	39.6	59.4

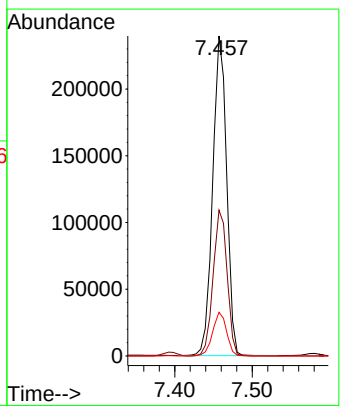


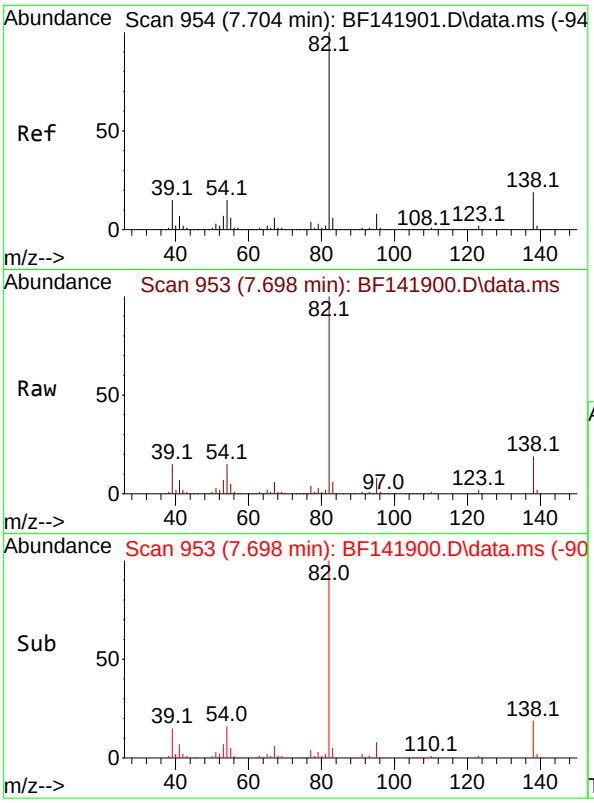


#24
Nitrobenzene
Concen: 21.196 ng
RT: 7.457 min Scan# 912
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion: 77 Resp: 299046

Ion	Ratio	Lower	Upper
77	100		
123	45.6	37.0	55.4
65	13.7	11.3	16.9



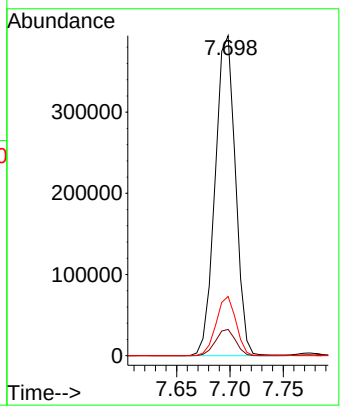


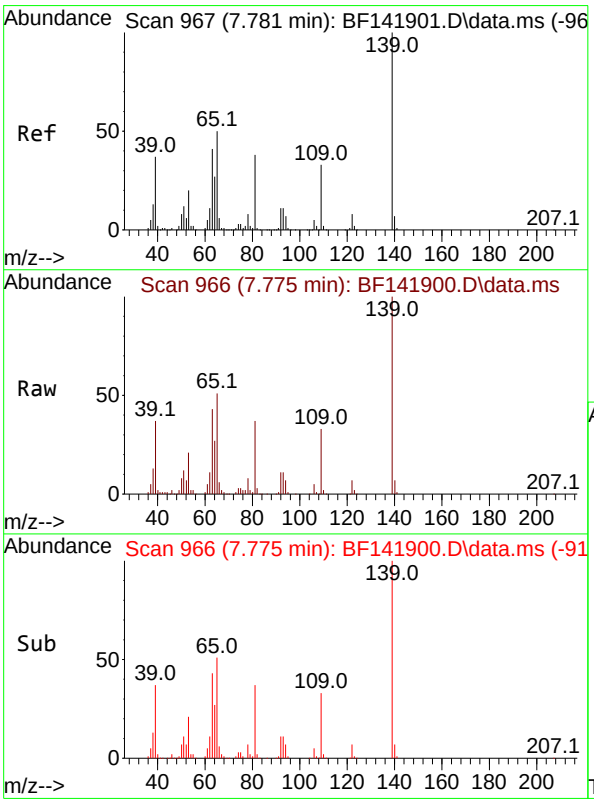
#25
Isophorone
Concen: 20.788 ng
RT: 7.698 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 522239

Ion	Ratio	Lower	Upper
82	100		
95	8.2	6.4	9.6
138	18.5	14.9	22.3

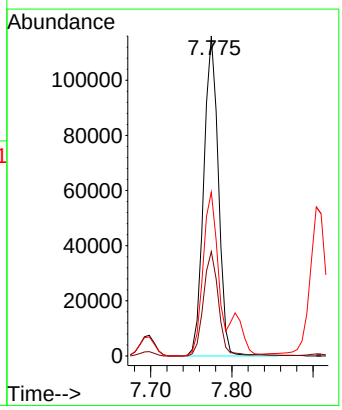


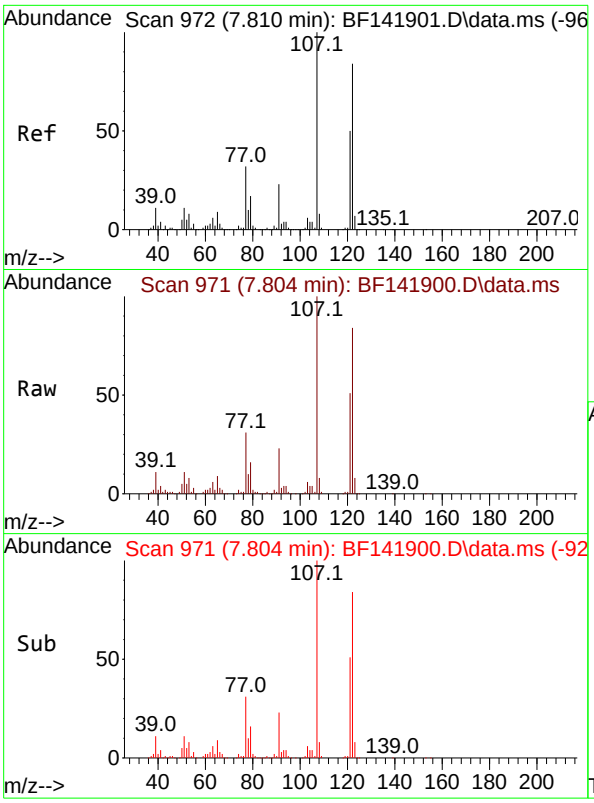


#26
2-Nitrophenol
Concen: 20.970 ng
RT: 7.775 min Scan# 966
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:139 Resp: 144979

Ion	Ratio	Lower	Upper
139	100		
109	32.6	26.5	39.7
65	51.2	40.3	60.5



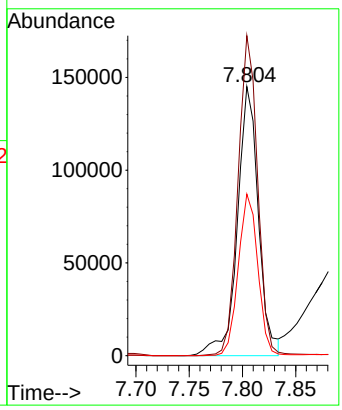


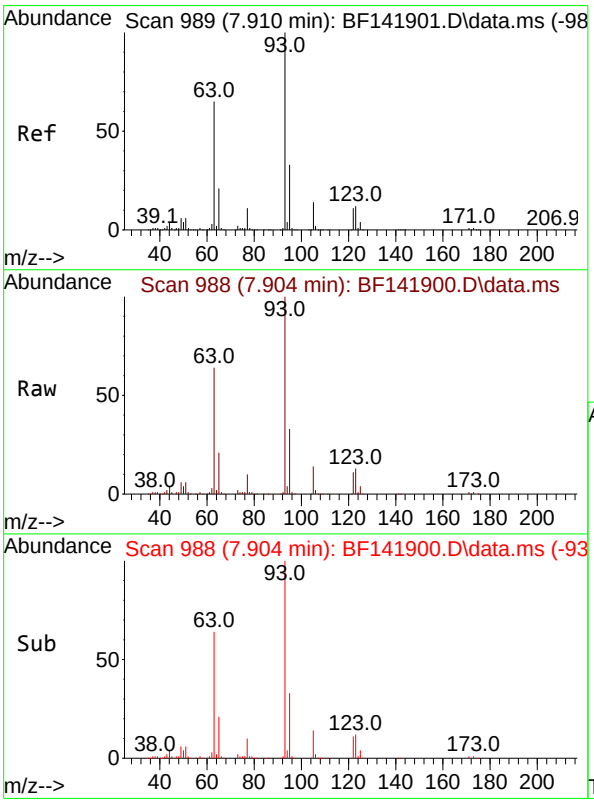
#27
2,4-Dimethylphenol
Concen: 21.009 ng
RT: 7.804 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:122 Resp: 200058

Ion	Ratio	Lower	Upper
122	100		
107	118.9	94.8	142.2
121	60.1	47.8	71.6

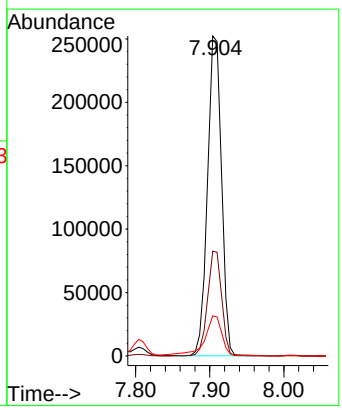


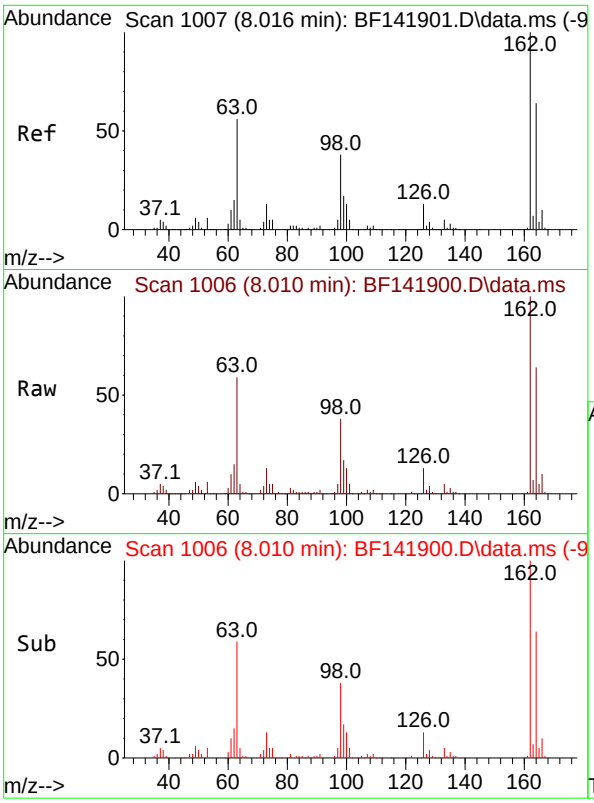


#28
bis(2-Chloroethoxy)methane
Concen: 21.093 ng
RT: 7.904 min Scan# 988
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion: 93 Resp: 331966

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.6	40.0
123	12.6	10.2	15.4



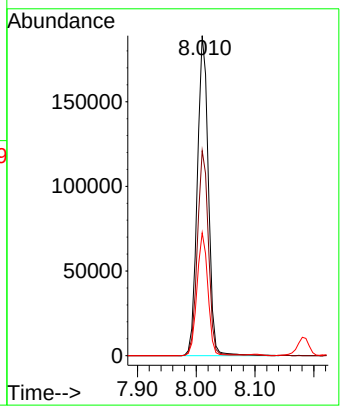


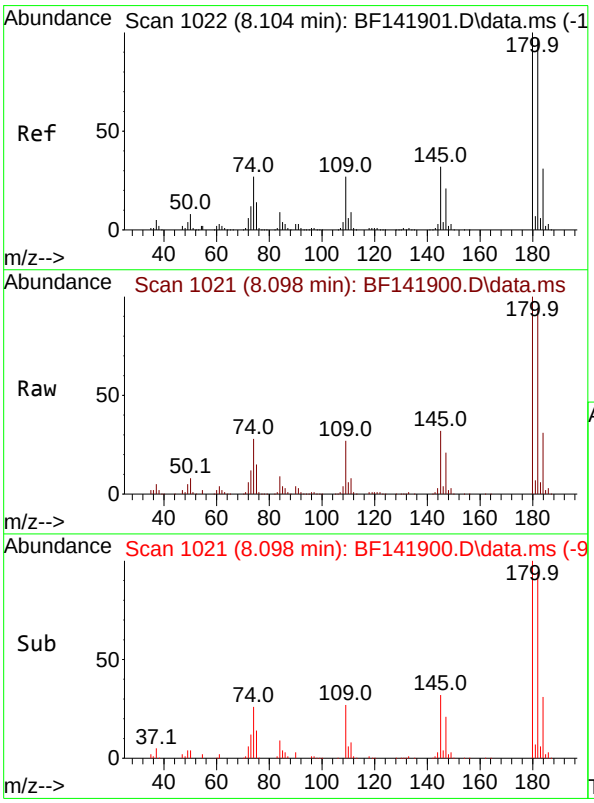
#29
2,4-Dichlorophenol
Concen: 20.884 ng
RT: 8.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 246810

Ion	Ratio	Lower	Upper
162	100		
164	64.0	43.8	83.8
98	38.4	18.1	58.1

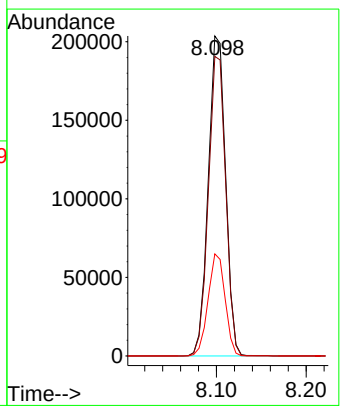


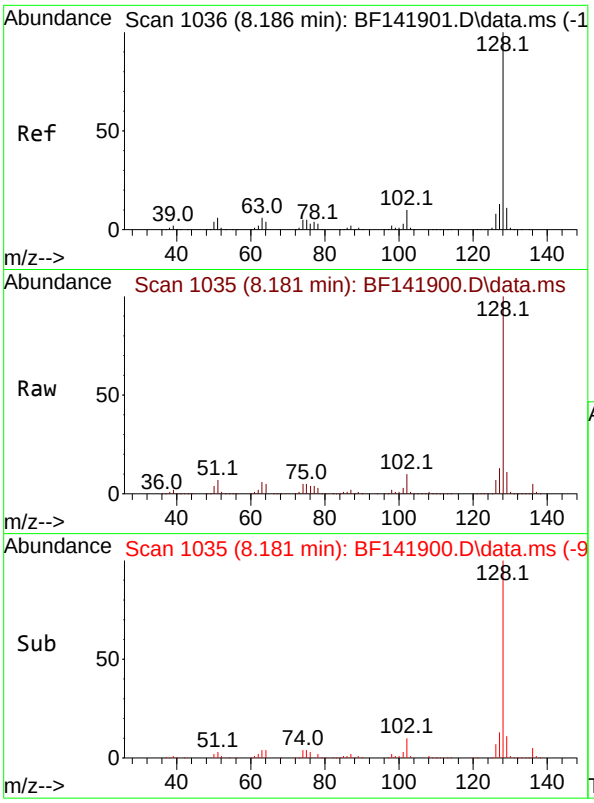


#30
1,2,4-Trichlorobenzene
Concen: 20.922 ng
RT: 8.098 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:180 Resp: 272773

Ion	Ratio	Lower	Upper
180	100		
182	93.6	77.5	116.3
145	31.9	25.8	38.6



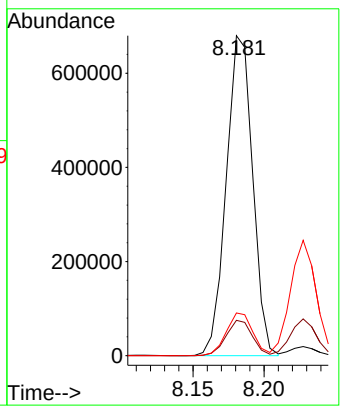


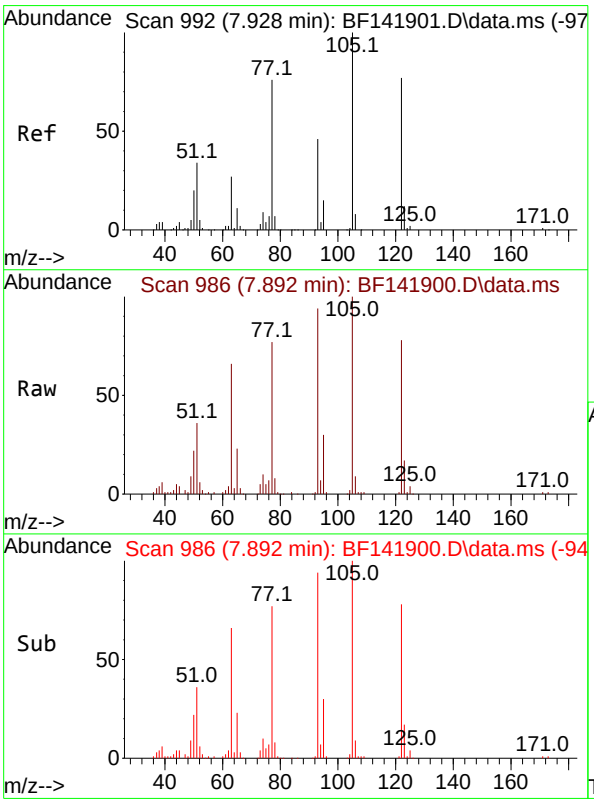
#31
Naphthalene
Concen: 21.487 ng
RT: 8.181 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:128 Resp: 877897

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.6
127	13.4	10.8	16.2

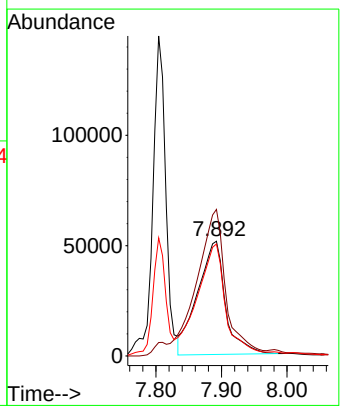


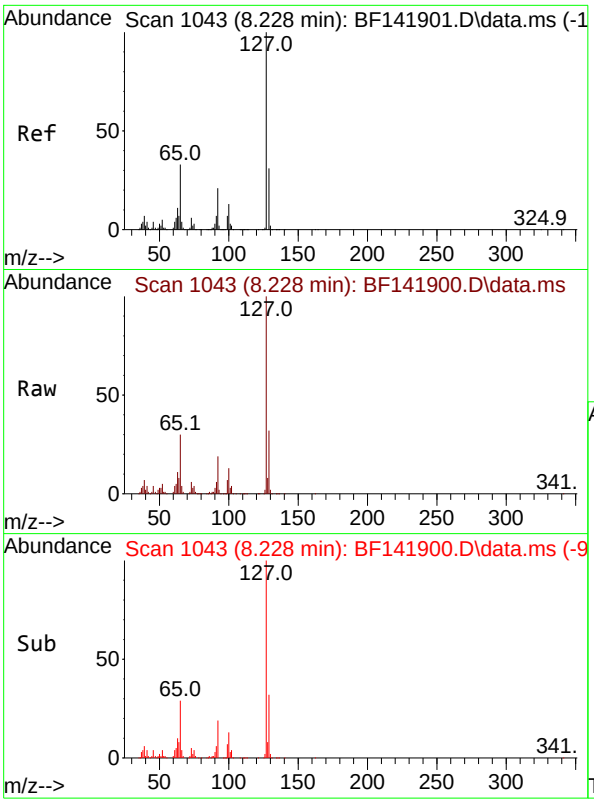


#32
Benzoic acid
Concen: 18.313 ng
RT: 7.892 min Scan# 986
Delta R.T. -0.036 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:122 Resp: 152420

Ion	Ratio	Lower	Upper
122	100		
105	127.6	107.9	147.9
77	97.6	79.0	119.0



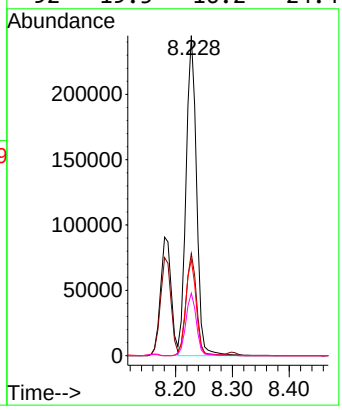


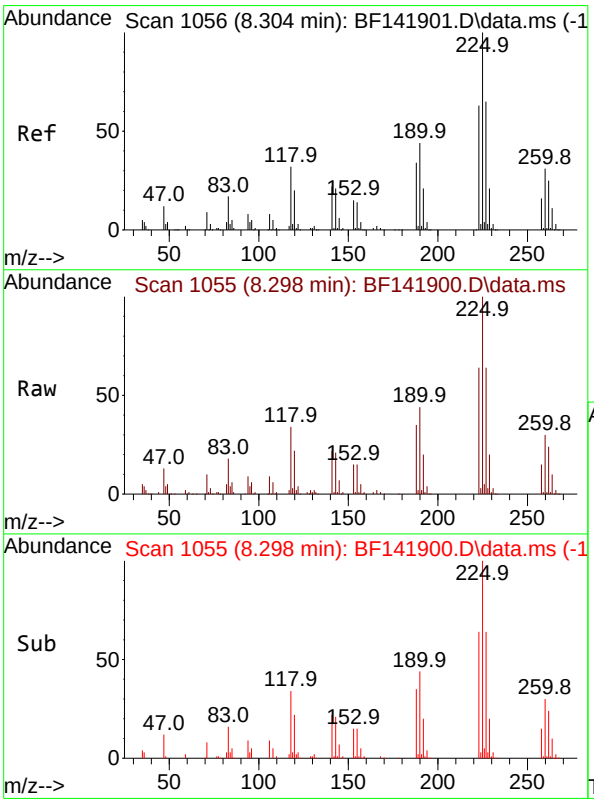
#33
4-Chloroaniline
Concen: 21.726 ng
RT: 8.228 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:127 Resp: 313249

Ion	Ratio	Lower	Upper
127	100		
129	31.9	26.2	39.4
65	30.0	25.4	38.2
92	19.5	16.2	24.4

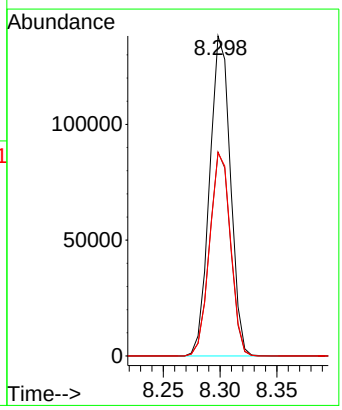


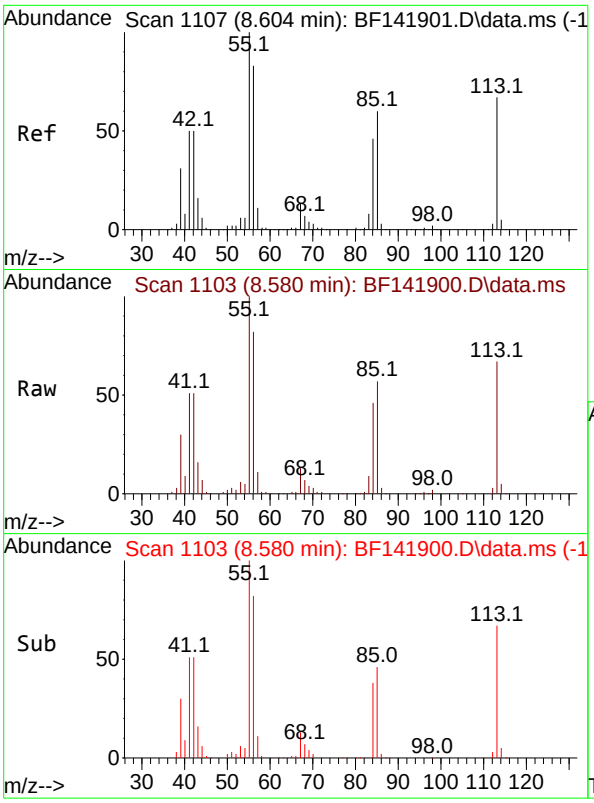


#34
Hexachlorobutadiene
Concen: 20.791 ng
RT: 8.298 min Scan# 1055
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:225 Resp: 176253

Ion	Ratio	Lower	Upper
225	100		
223	63.7	50.6	75.8
227	63.5	52.2	78.2



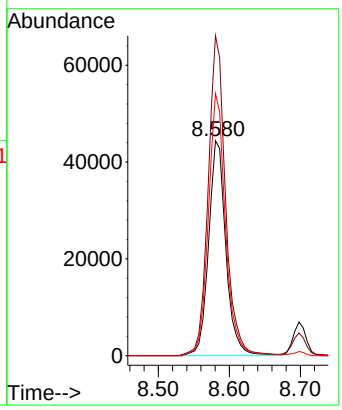


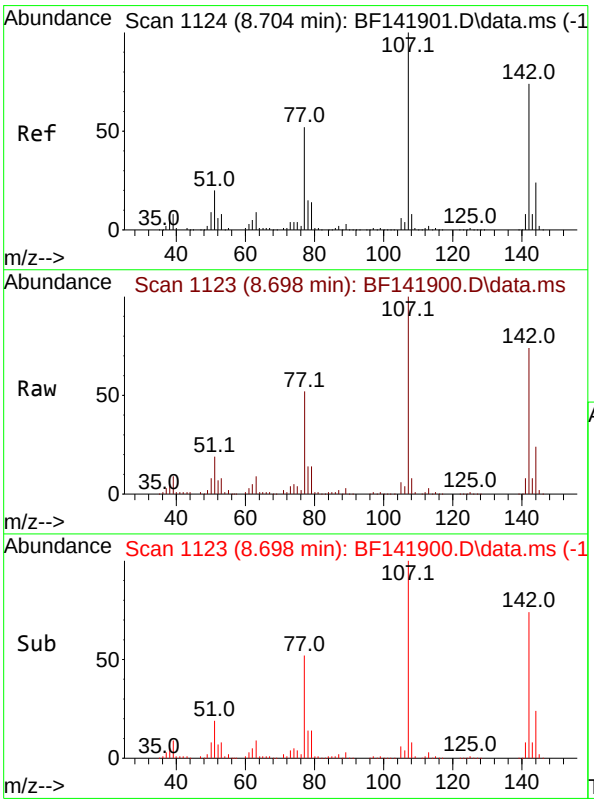
#35
Caprolactam
Concen: 20.884 ng
RT: 8.580 min Scan# 11
Delta R.T. -0.024 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:113 Resp: 75048

Ion	Ratio	Lower	Upper
113	100		
55	148.8	129.6	169.6
56	121.8	104.0	144.0

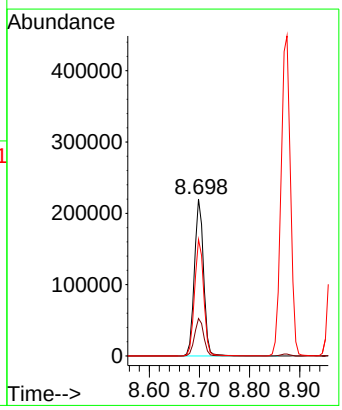


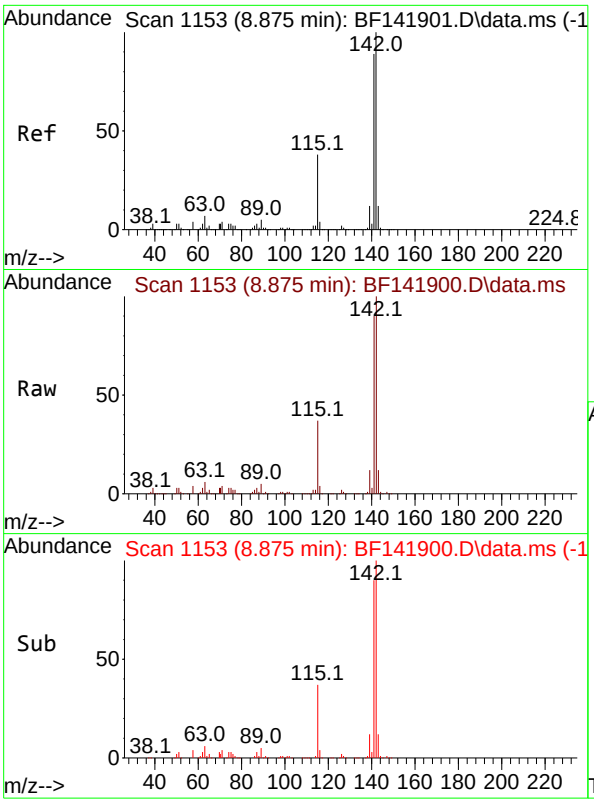


#36
4-Chloro-3-methylphenol
Concen: 21.168 ng
RT: 8.698 min Scan# 1123
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:107 Resp: 278207

Ion	Ratio	Lower	Upper
107	100		
144	23.9	19.0	28.6
142	74.3	59.2	88.8



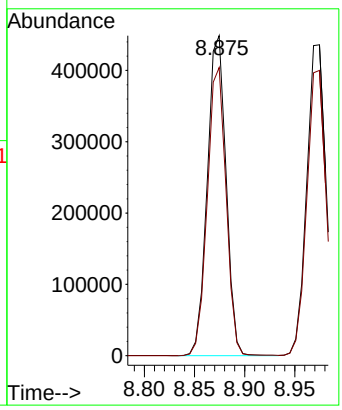


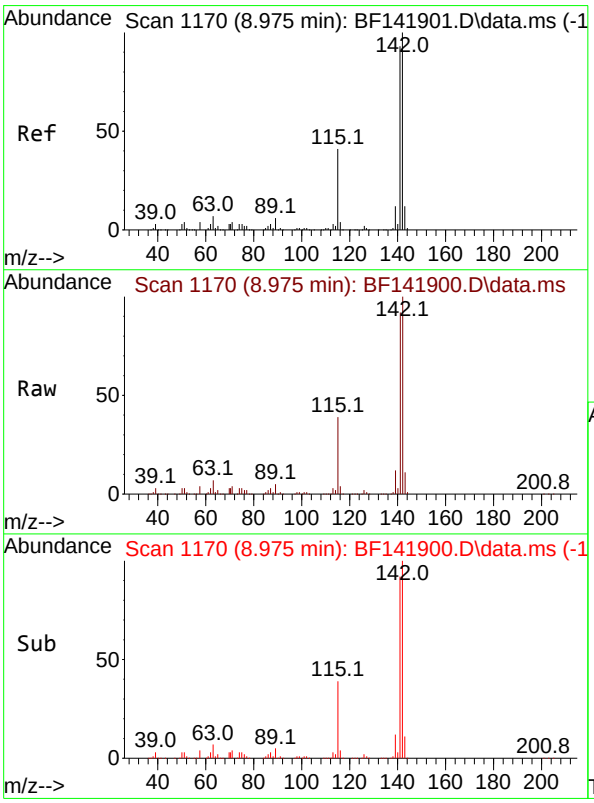
#37
2-Methylnaphthalene
Concen: 21.324 ng
RT: 8.875 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 584552

Ion	Ratio	Lower	Upper
142	100		
141	90.0	71.2	106.8

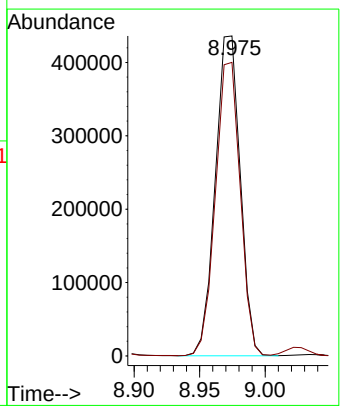


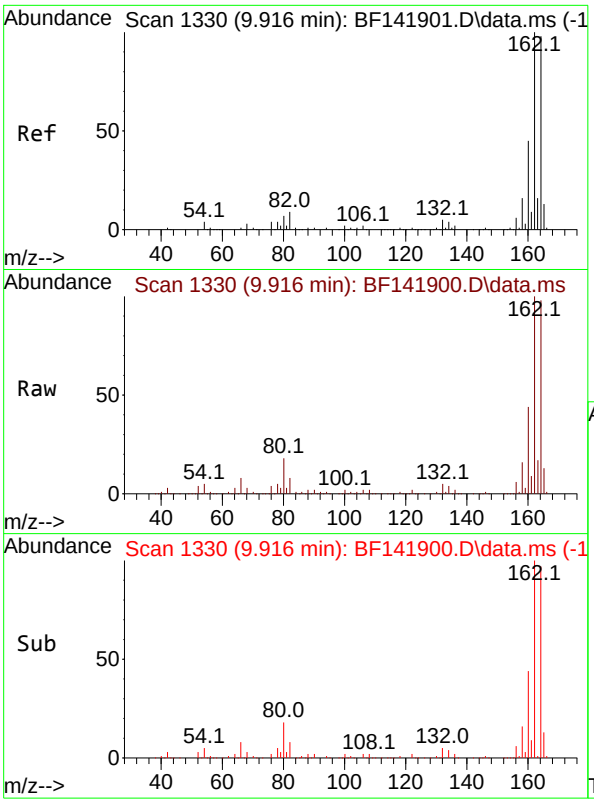


#38
1-Methylnaphthalene
Concen: 21.677 ng
RT: 8.975 min Scan# 1170
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:142 Resp: 575428

Ion	Ratio	Lower	Upper
142	100		
141	91.8	74.2	111.4



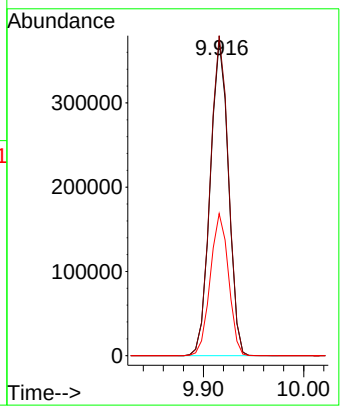


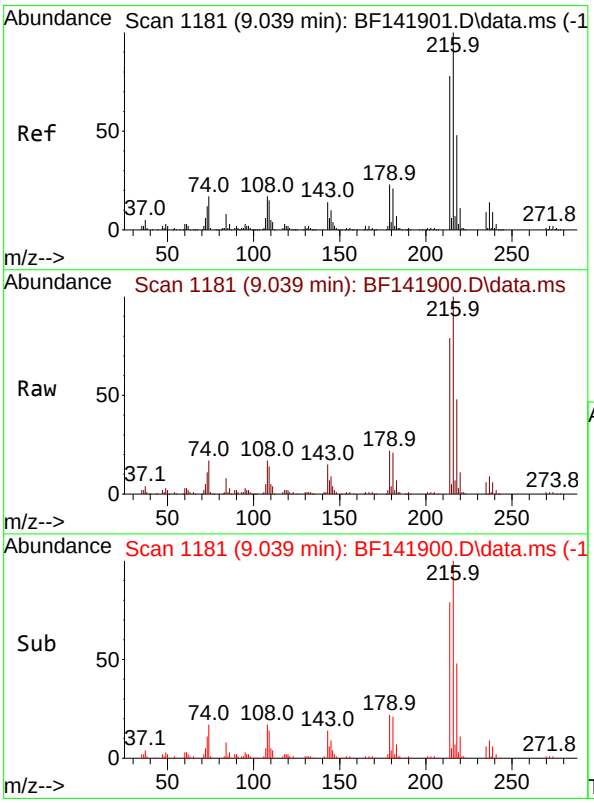
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:164 Resp: 470833

Ion	Ratio	Lower	Upper
164	100		
162	101.6	81.8	122.6
160	45.1	36.7	55.1

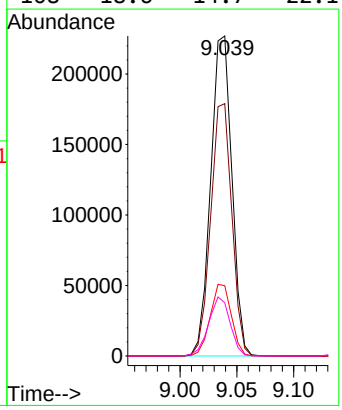


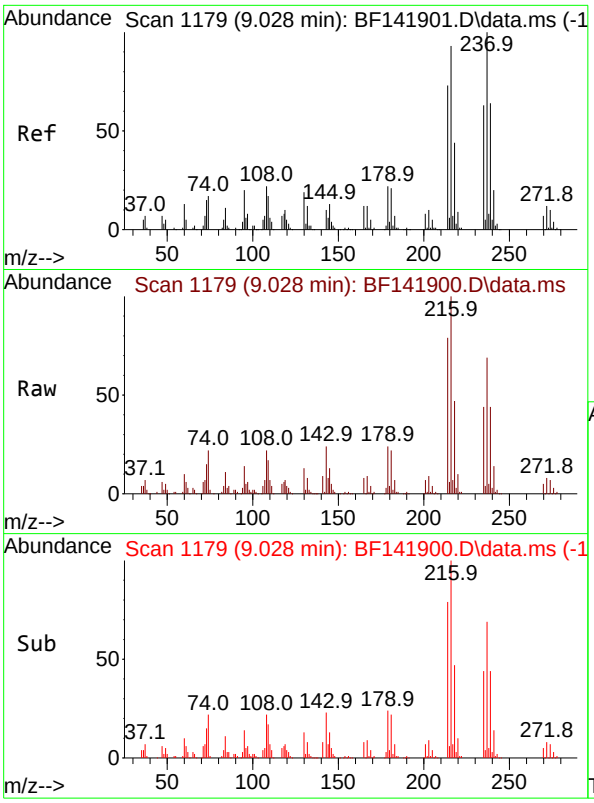


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.538 ng
RT: 9.039 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:216 Resp: 294845

Ion	Ratio	Lower	Upper
216	100		
214	78.7	61.9	92.9
179	22.3	18.1	27.1
108	18.6	14.7	22.1



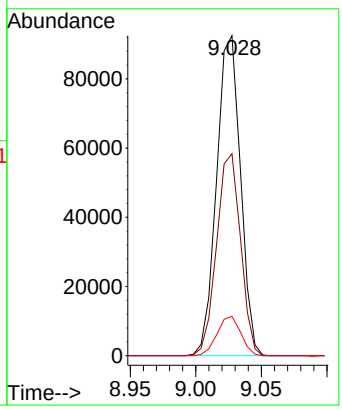


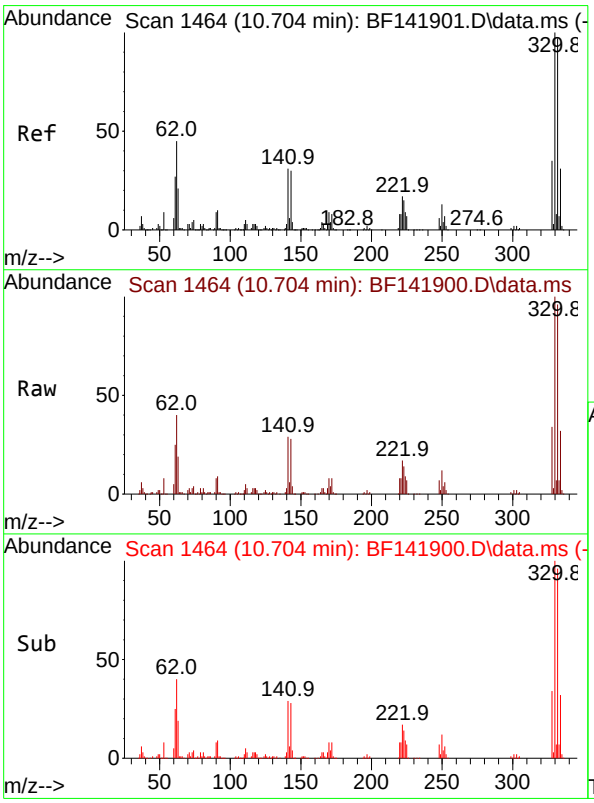
#41
Hexachlorocyclopentadiene
Concen: 20.685 ng
RT: 9.028 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:237 Resp: 117174

Ion	Ratio	Lower	Upper
237	100		
235	63.1	43.1	83.1
272	12.3	0.0	32.0

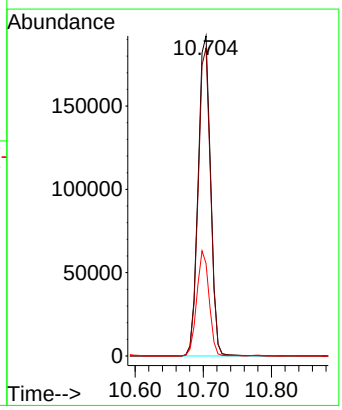


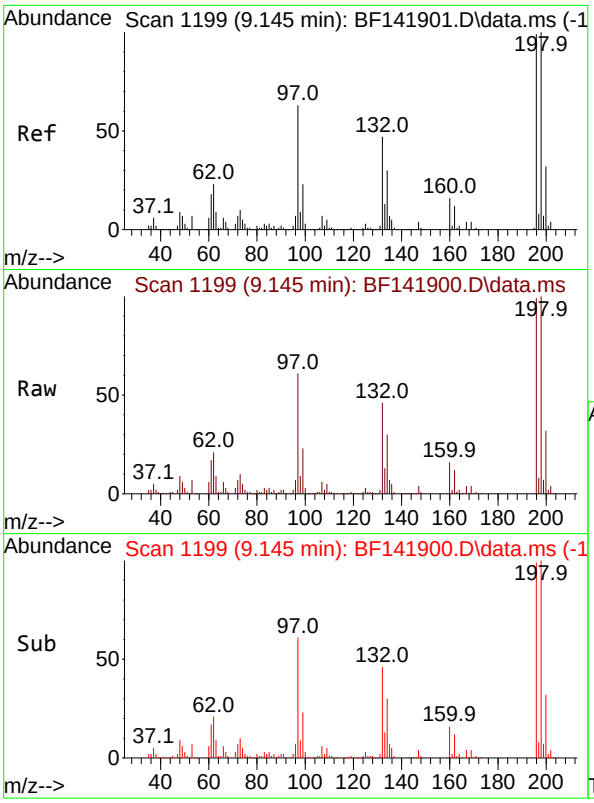


#42
2,4,6-Tribromophenol
Concen: 40.869 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:330 Resp: 243832

Ion	Ratio	Lower	Upper
330	100		
332	95.8	77.6	116.4
141	32.4	24.7	37.1



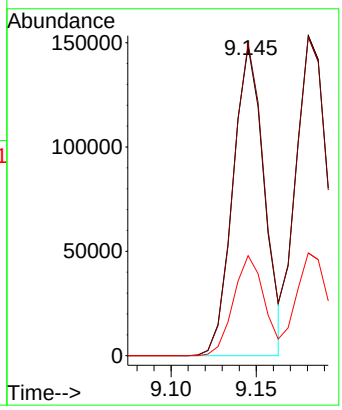


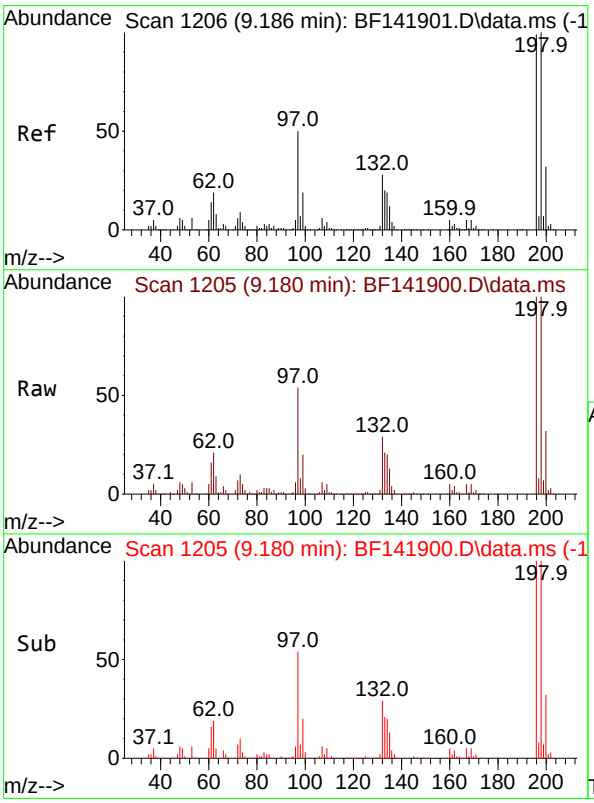
#43
2,4,6-Trichlorophenol
Concen: 20.203 ng
RT: 9.145 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:196 Resp: 189069

Ion	Ratio	Lower	Upper
196	100		
198	100.9	80.6	121.0
200	32.3	25.8	38.6

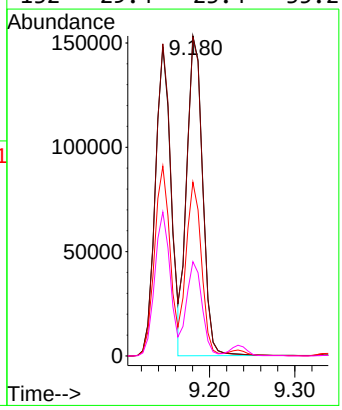


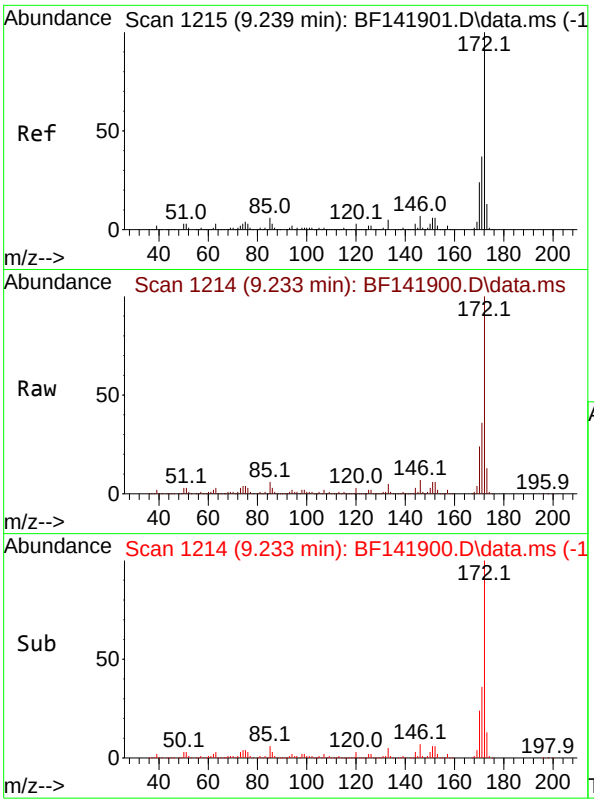


#44
2,4,5-Trichlorophenol
Concen: 20.912 ng
RT: 9.180 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:196 Resp: 198841

Ion	Ratio	Lower	Upper
196	100		
198	99.6	80.7	121.1
97	54.3	42.1	63.1
132	29.4	23.4	35.2



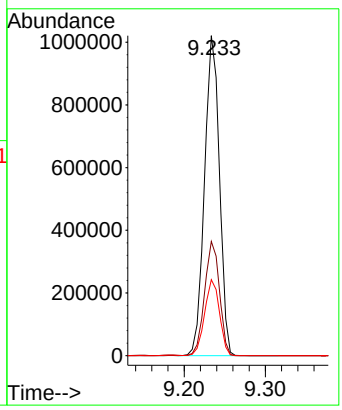


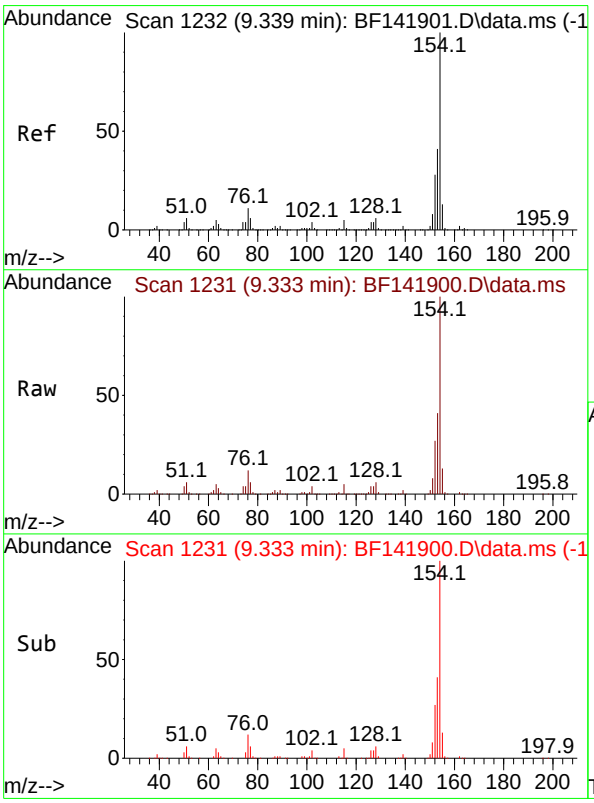
#45
2-Fluorobiphenyl
Concen: 42.002 ng
RT: 9.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:172 Resp: 1298709

Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.3	43.9
170	23.7	19.4	29.0

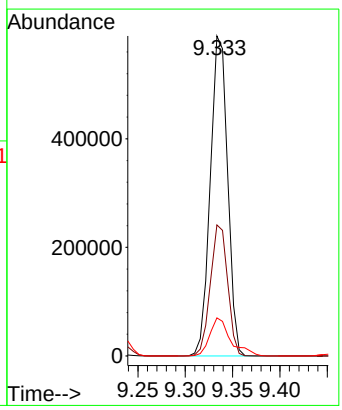


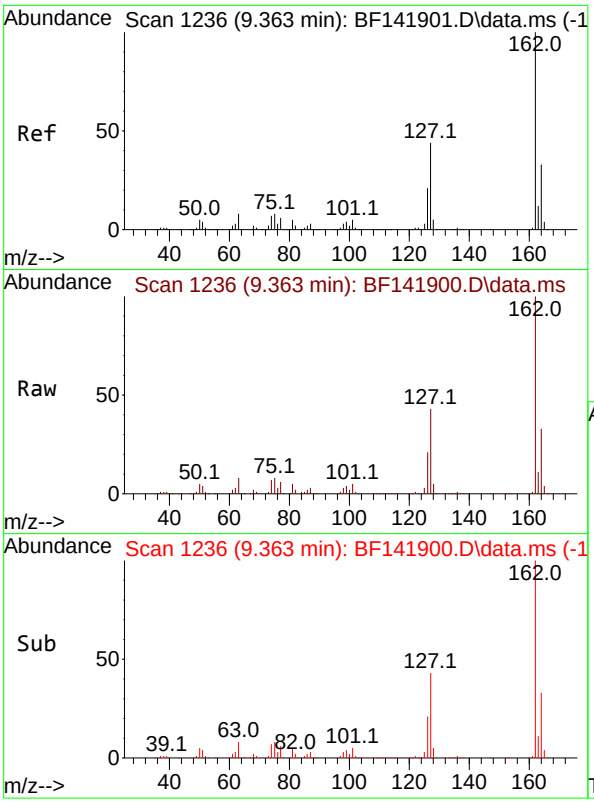


#46
1,1'-Biphenyl
Concen: 20.985 ng
RT: 9.333 min Scan# 1231
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:154 Resp: 749087

Ion	Ratio	Lower	Upper
154	100		
153	41.0	21.1	61.1
76	11.9	0.0	31.3



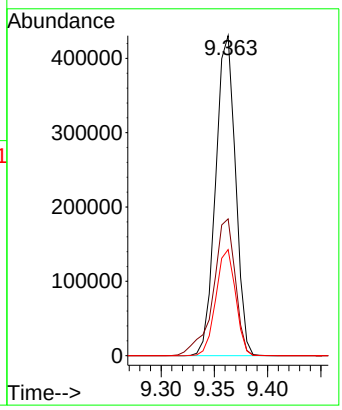


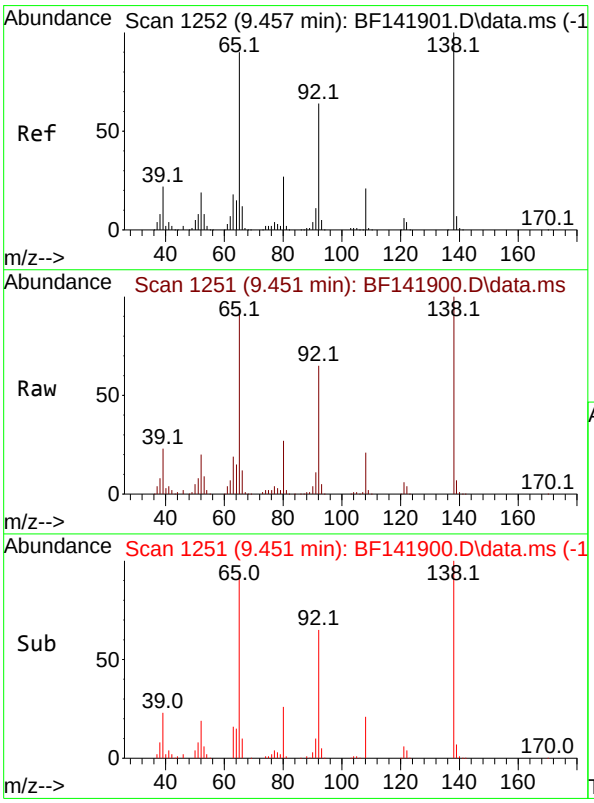
#47
2-Chloronaphthalene
Concen: 20.898 ng
RT: 9.363 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 555946

Ion	Ratio	Lower	Upper
162	100		
127	42.8	35.5	53.3
164	33.1	26.6	40.0

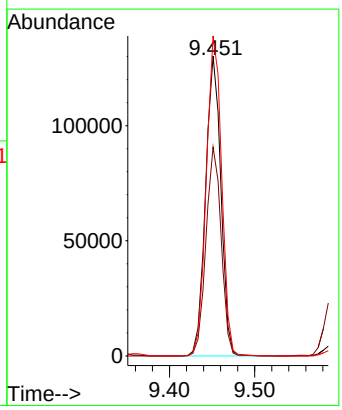


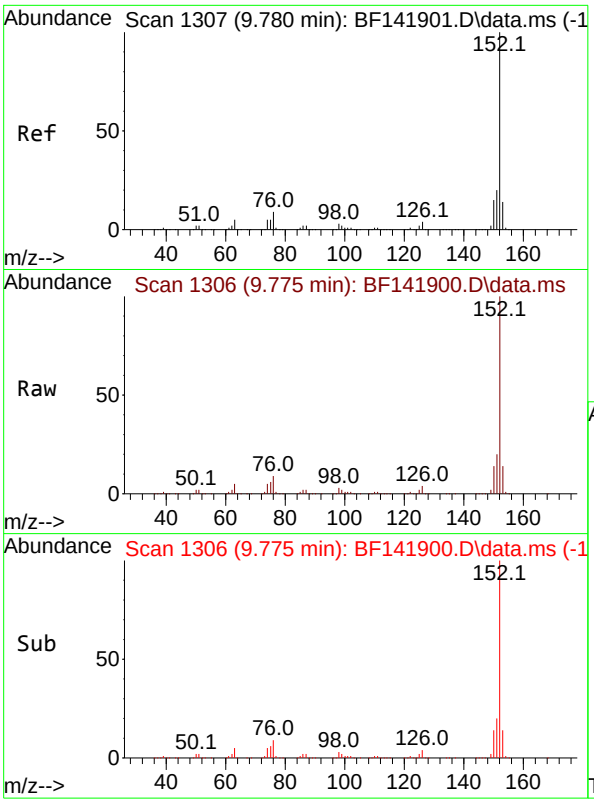


#48
2-Nitroaniline
Concen: 21.302 ng
RT: 9.451 min Scan# 1251
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion: 65 Resp: 162790

Ion	Ratio	Lower	Upper
65	100		
92	69.7	56.6	84.8
138	106.7	88.6	133.0



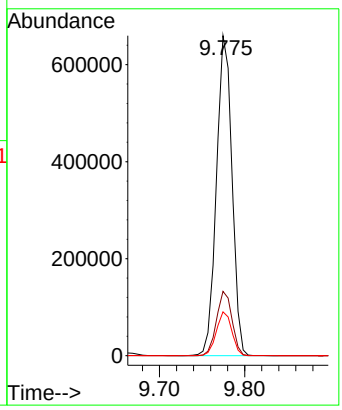


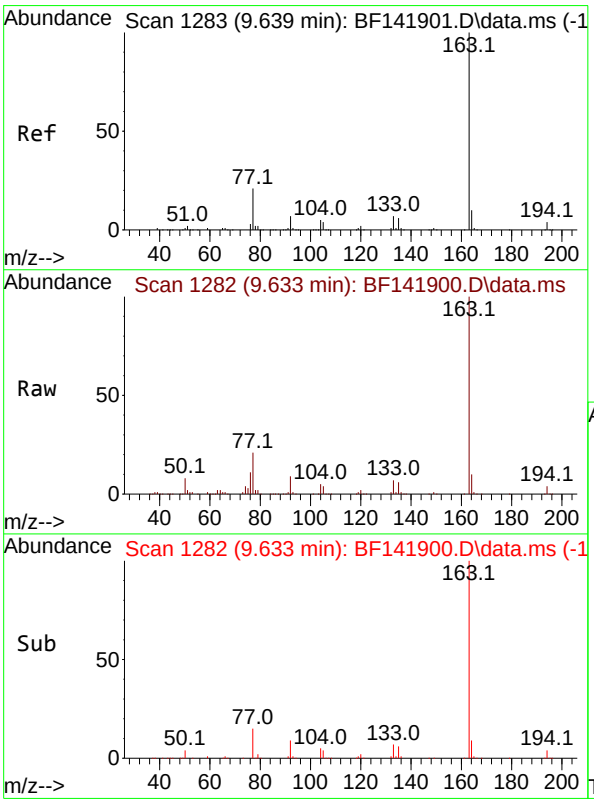
#49
Acenaphthylene
Concen: 21.222 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 837016

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.3	24.5
153	13.7	11.1	16.7

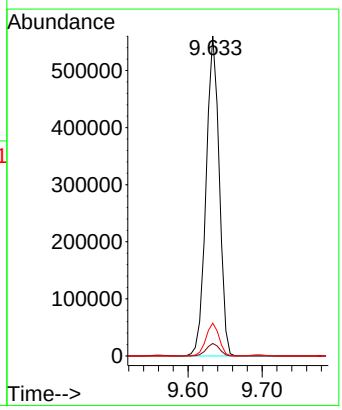


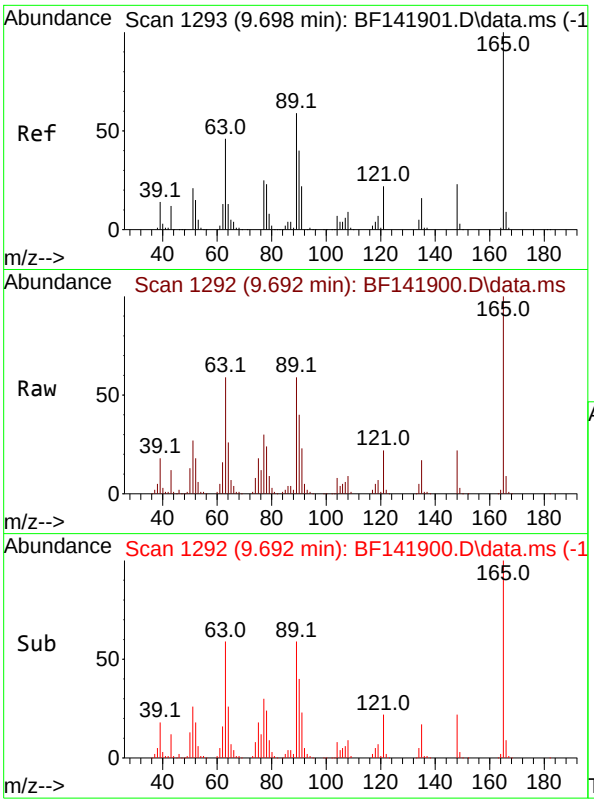


#50
Dimethylphthalate
Concen: 21.137 ng
RT: 9.633 min Scan# 1282
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:163 Resp: 691454

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.3	8.2	12.4



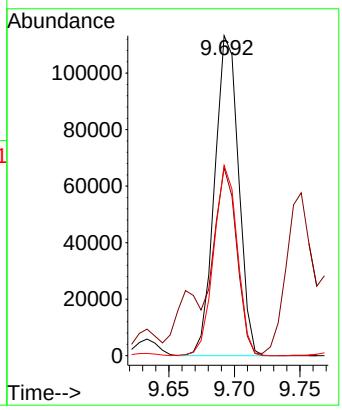


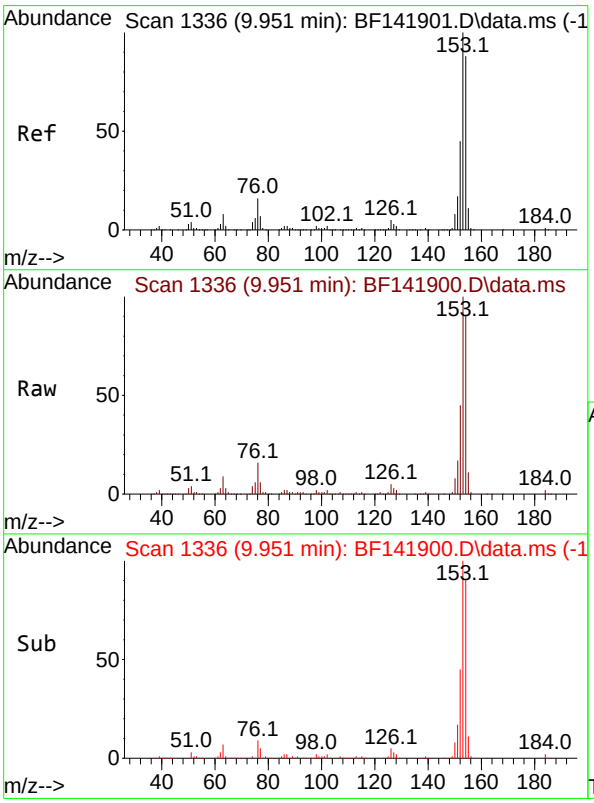
#51
2,6-Dinitrotoluene
Concen: 21.096 ng
RT: 9.692 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 143513

Ion	Ratio	Lower	Upper
165	100		
63	58.7	47.0	70.4
89	59.5	47.4	71.2

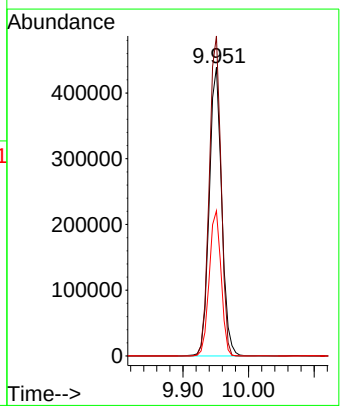


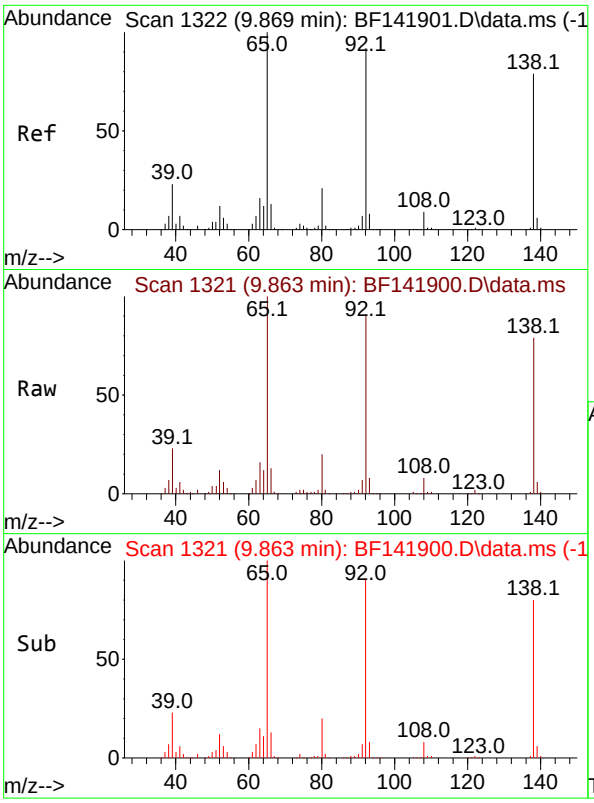


#52
Acenaphthene
Concen: 20.813 ng
RT: 9.951 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:154 Resp: 579623

Ion	Ratio	Lower	Upper
154	100		
153	110.9	90.7	136.1
152	50.3	41.1	61.7



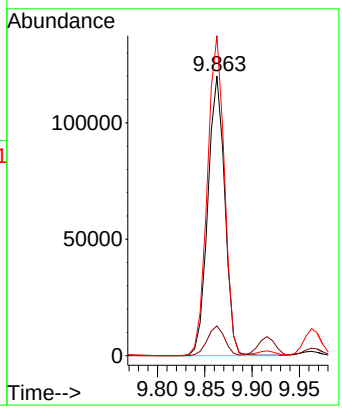


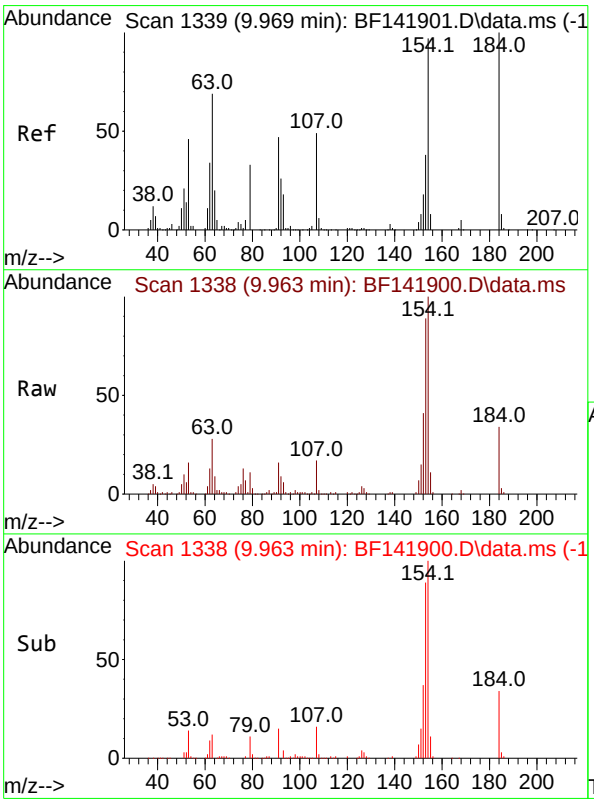
#53
3-Nitroaniline
Concen: 21.327 ng
RT: 9.863 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:138 Resp: 148977

Ion	Ratio	Lower	Upper
138	100		
108	10.6	9.3	13.9
92	114.5	93.5	140.3

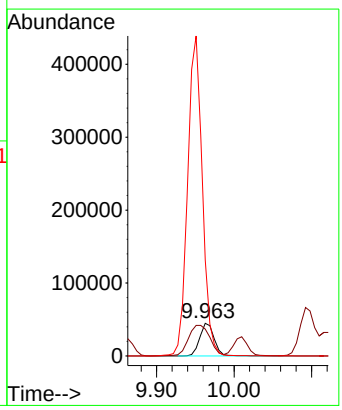


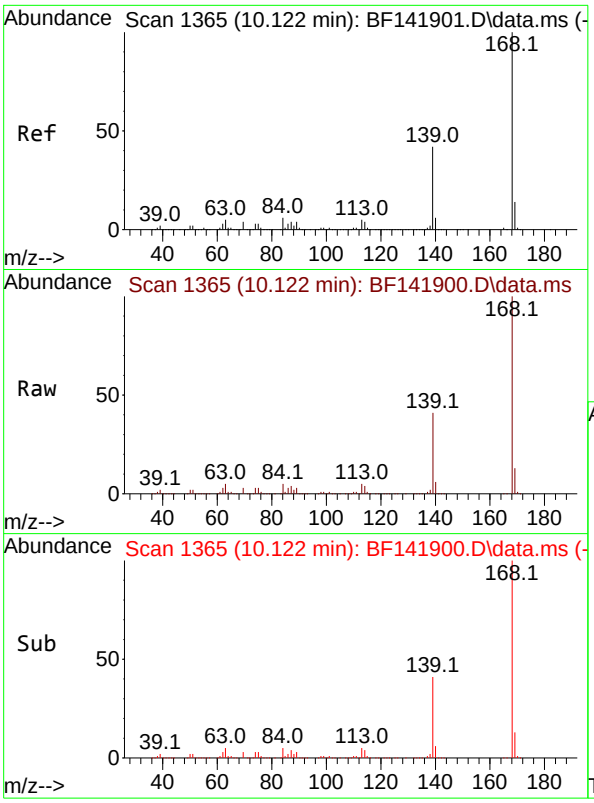


#54
2,4-Dinitrophenol
Concen: 20.368 ng
RT: 9.963 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:184 Resp: 58223

Ion	Ratio	Lower	Upper
184	100		
63	82.2	60.2	90.4
154	293.5	132.9	199.3#



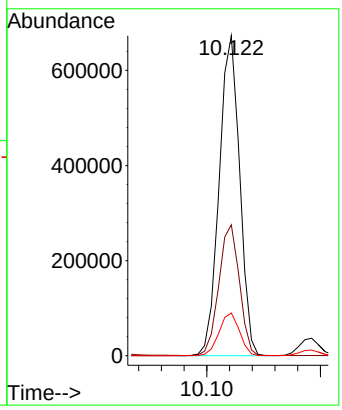


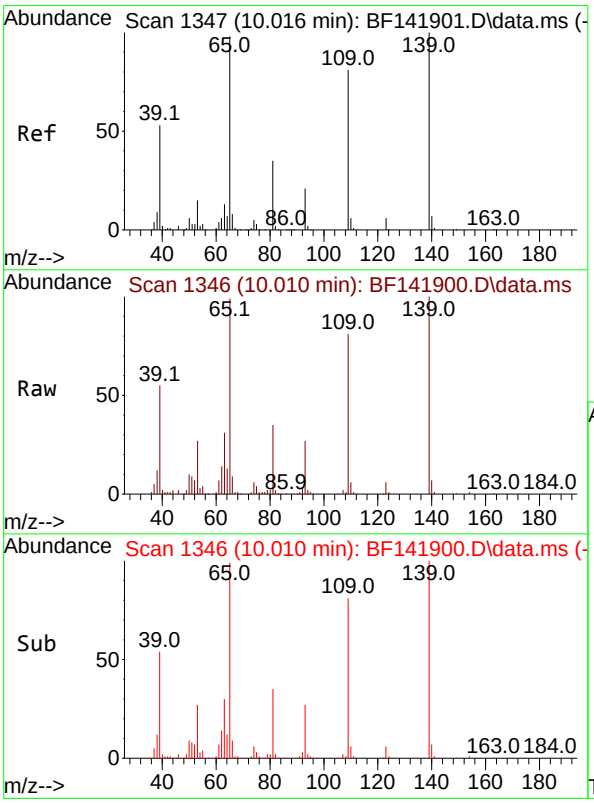
#55
Dibenzofuran
Concen: 21.238 ng
RT: 10.122 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:168 Resp: 843359

Ion	Ratio	Lower	Upper
168	100		
139	40.9	33.9	50.9
169	13.3	11.0	16.4

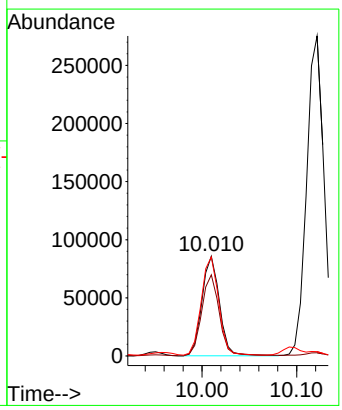


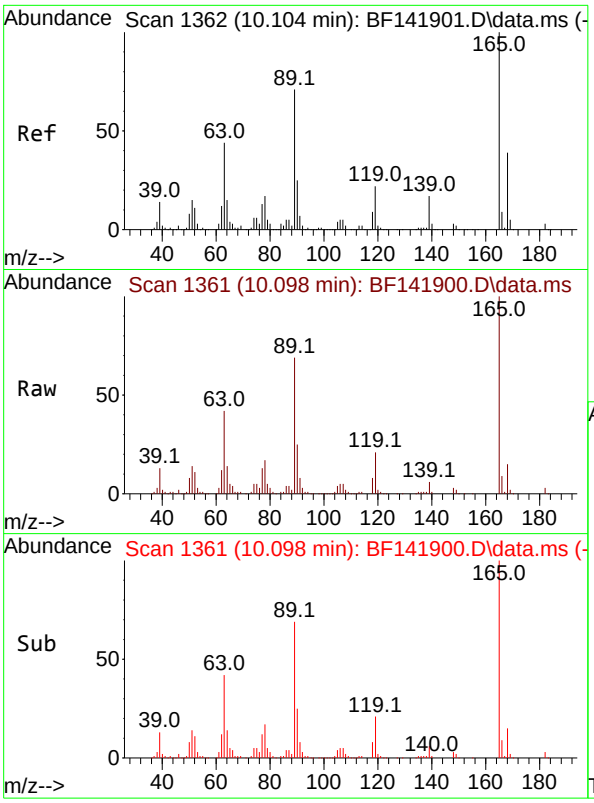


#56
4-Nitrophenol
Concen: 20.955 ng
RT: 10.010 min Scan# 1346
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:139 Resp: 109958

Ion	Ratio	Lower	Upper
139	100		
109	81.5	61.6	101.6
65	99.4	79.4	119.4



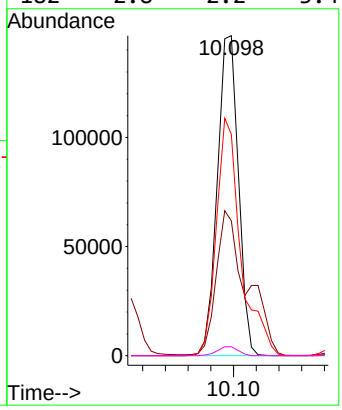


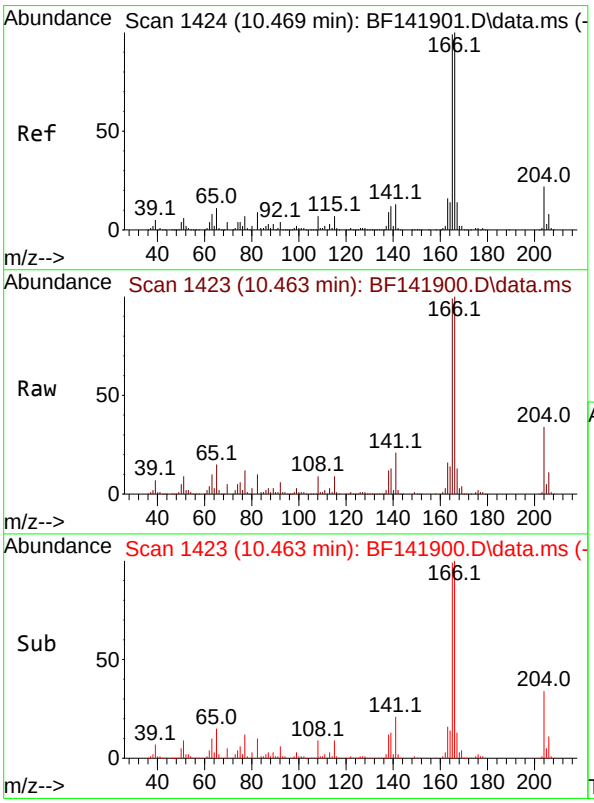
#57
2,4-Dinitrotoluene
Concen: 21.132 ng
RT: 10.098 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 189234

Ion	Ratio	Lower	Upper
165	100		
63	42.1	35.4	53.2
89	69.2	56.6	84.8
182	2.8	2.2	3.4

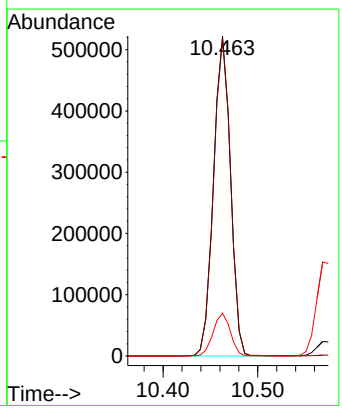


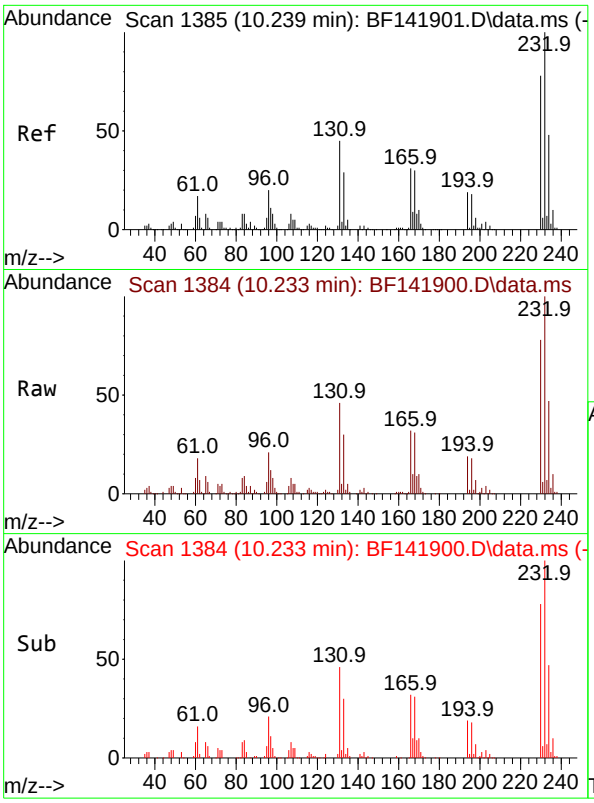


#58
Fluorene
Concen: 21.211 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:166 Resp: 650245

Ion	Ratio	Lower	Upper
166	100		
165	99.2	79.0	118.4
167	13.4	11.0	16.4



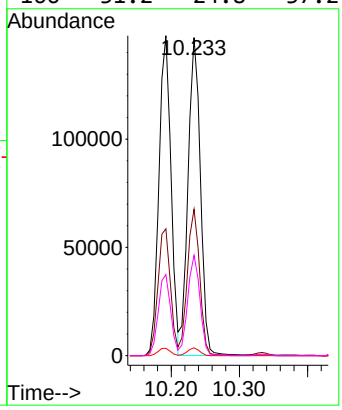


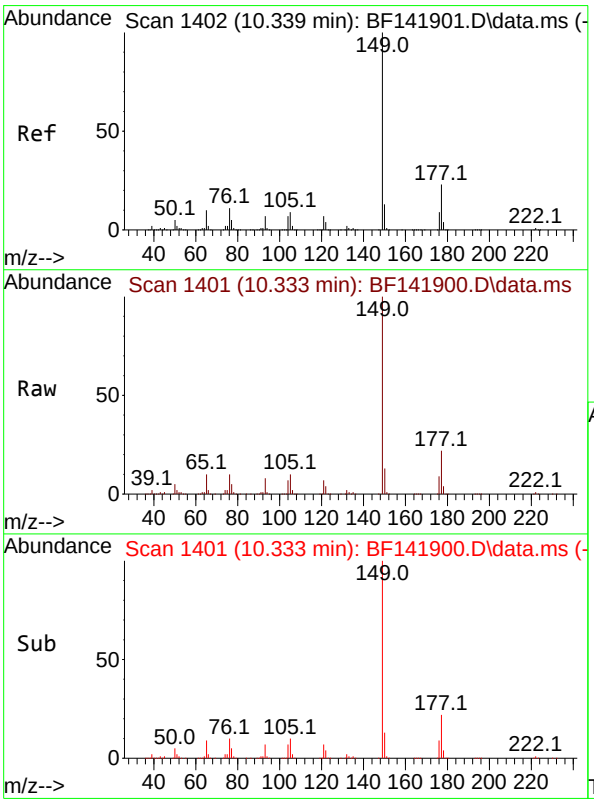
#59
2,3,4,6-Tetrachlorophenol
Concen: 21.272 ng
RT: 10.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:232 Resp: 183513

Ion	Ratio	Lower	Upper
232	100		
131	46.0	37.3	55.9
130	2.4	1.9	2.9
166	31.2	24.8	37.2

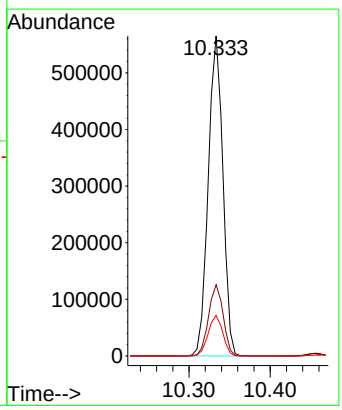


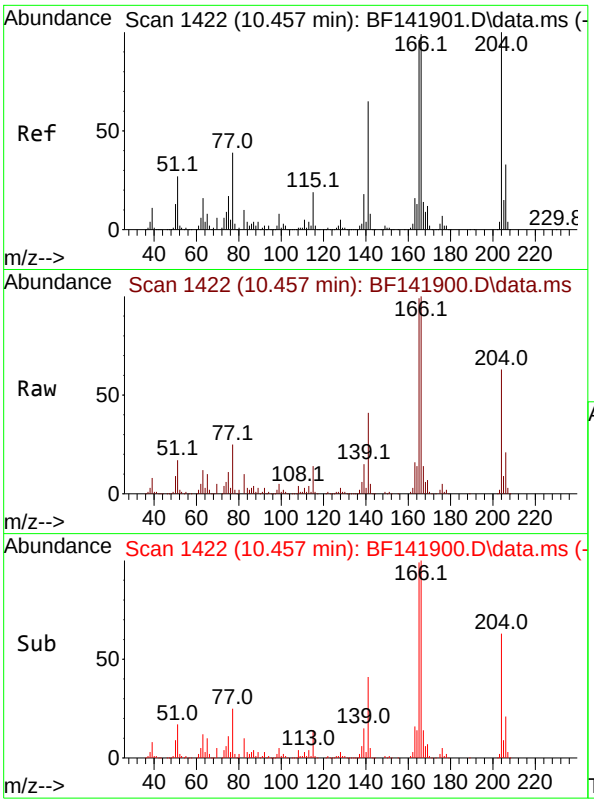


#60
Diethylphthalate
Concen: 21.468 ng
RT: 10.333 min Scan# 1401
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:149 Resp: 704993

Ion	Ratio	Lower	Upper
149	100		
177	22.3	18.0	27.0
150	12.6	10.2	15.4



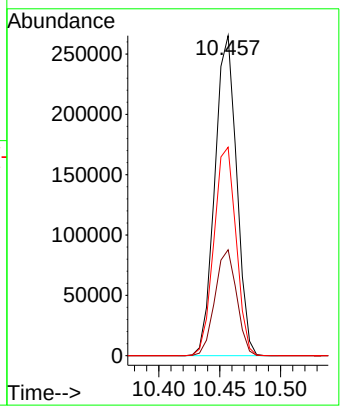


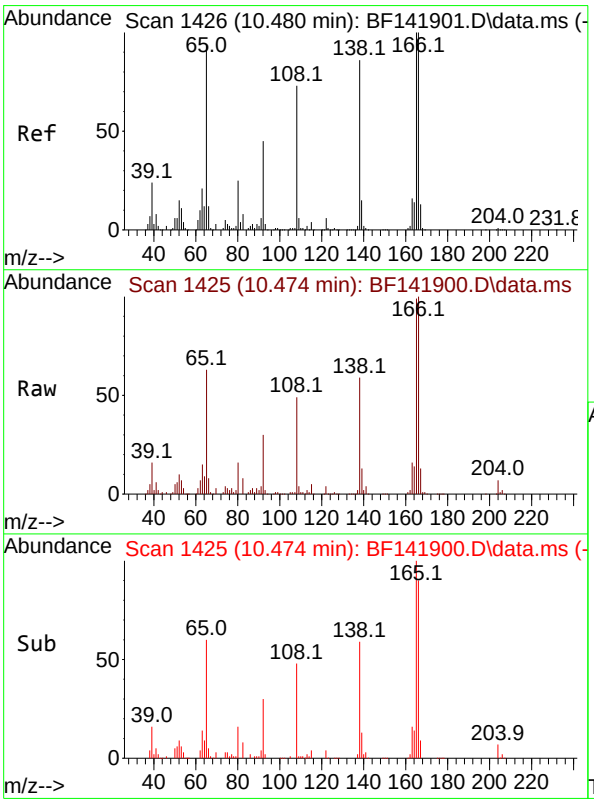
#61
4-Chlorophenyl-phenylether
Concen: 20.698 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:204 Resp: 330489

Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.8	40.2
141	65.1	52.4	78.6

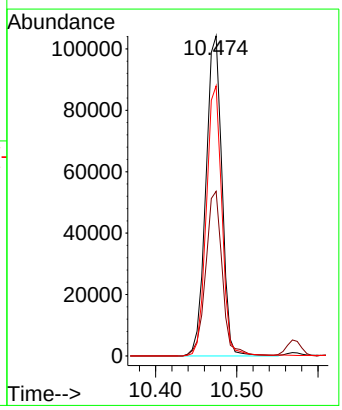


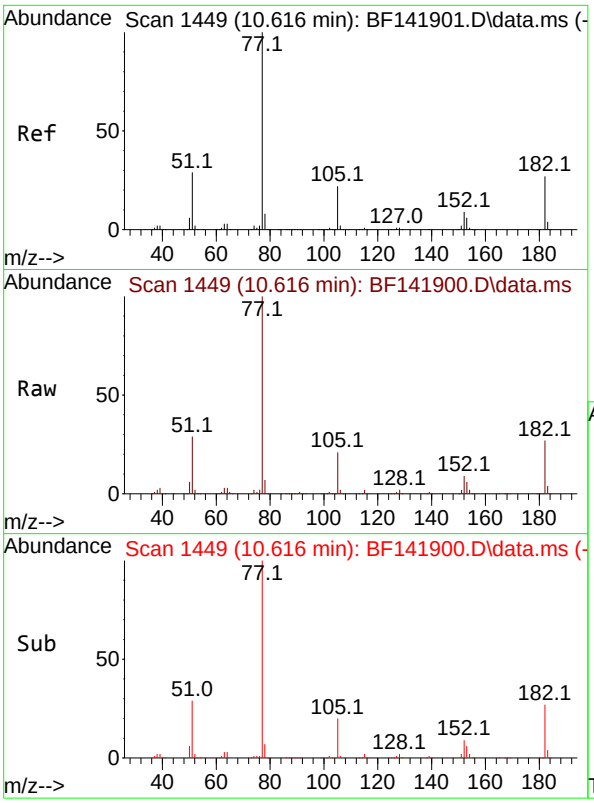


#62
4-Nitroaniline
Concen: 21.125 ng
RT: 10.474 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:138 Resp: 142995

Ion	Ratio	Lower	Upper
138	100		
92	51.4	32.6	72.6
108	84.4	65.0	105.0



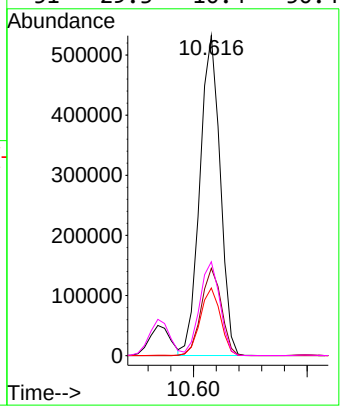


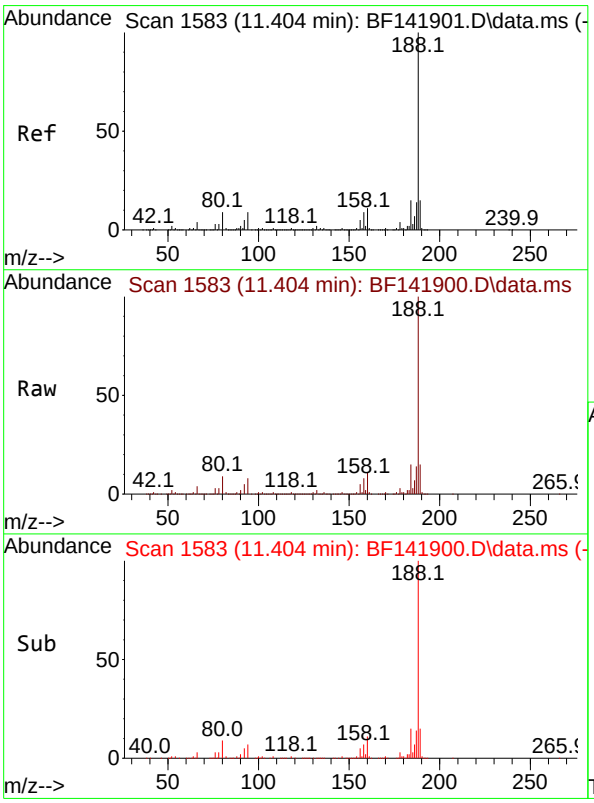
#63
Azobenzene
Concen: 21.665 ng
RT: 10.616 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 660935

Ion	Ratio	Lower	Upper
77	100		
182	27.3	6.6	46.6
105	21.2	1.3	41.3
51	29.3	10.4	50.4

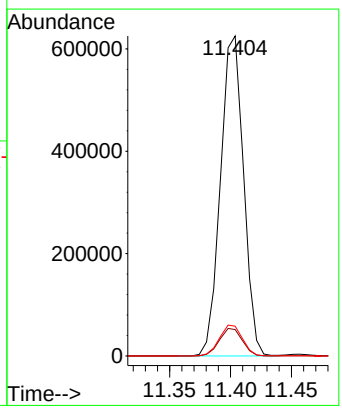


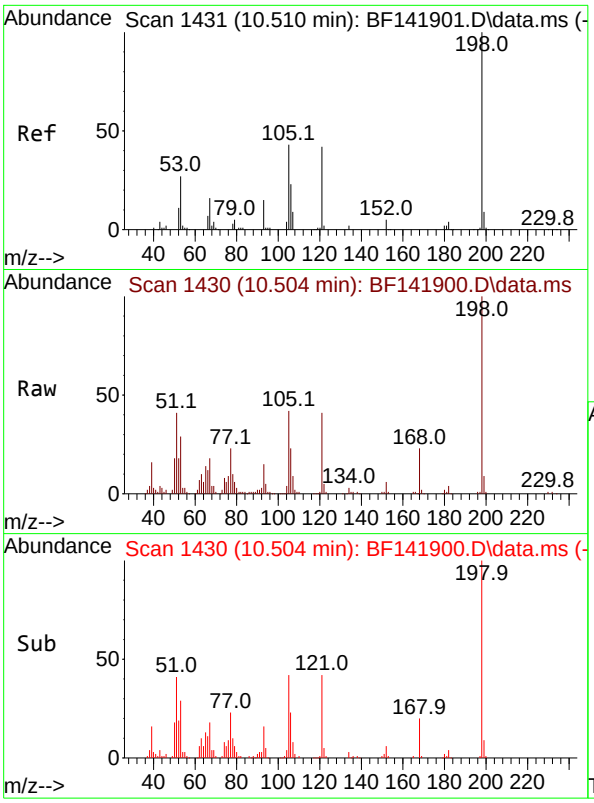


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:188 Resp: 826085

Ion	Ratio	Lower	Upper
188	100		
94	8.2	6.8	10.2
80	9.3	7.6	11.4



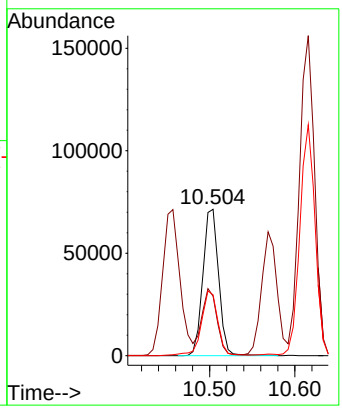


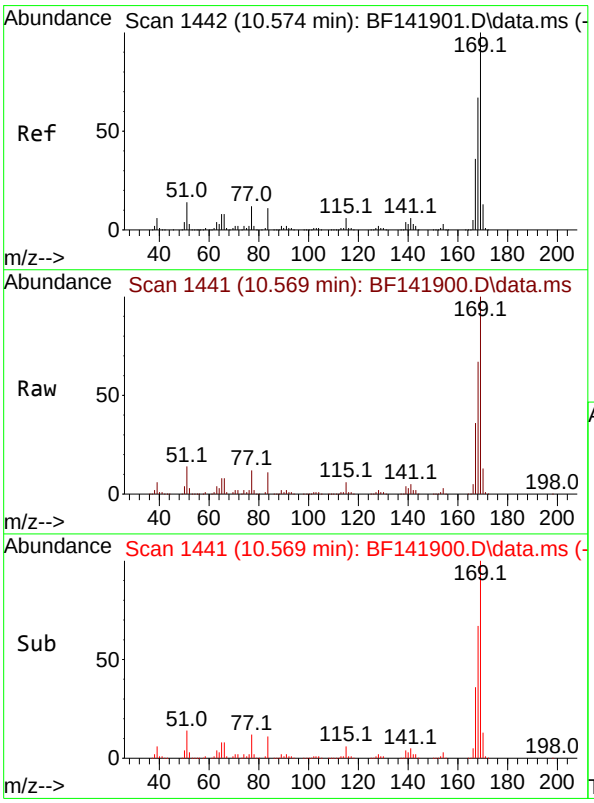
#65
4,6-Dinitro-2-methylphenol
Concen: 18.755 ng
RT: 10.504 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:198 Resp: 91852

Ion	Ratio	Lower	Upper
198	100		
51	40.7	22.3	62.3
105	41.6	23.0	63.0

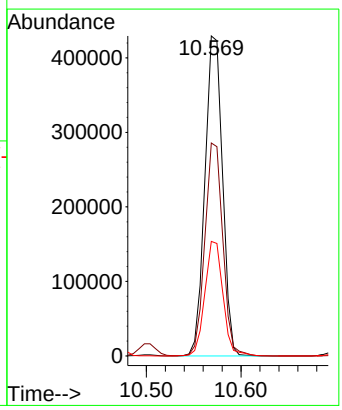


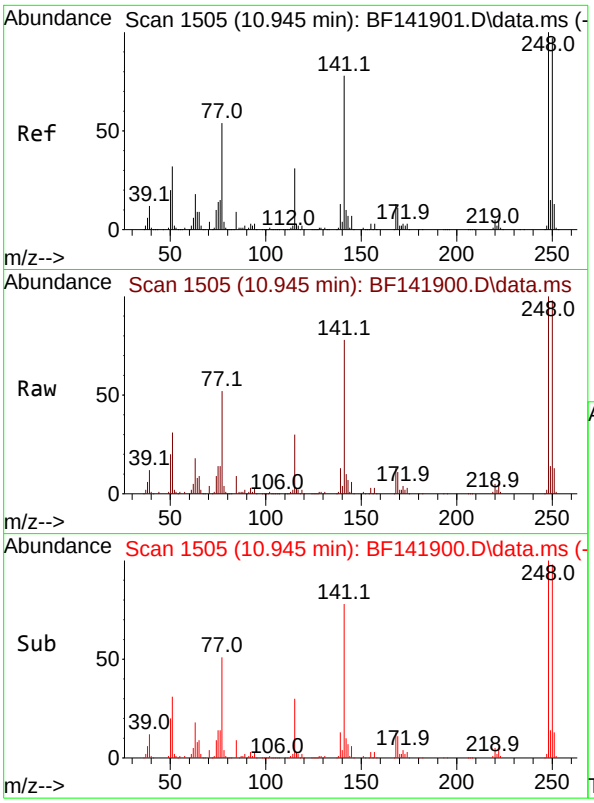


#66
n-Nitrosodiphenylamine
Concen: 20.756 ng
RT: 10.569 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:169 Resp: 553905

Ion	Ratio	Lower	Upper
169	100		
168	66.6	53.7	80.5
167	35.8	29.2	43.8



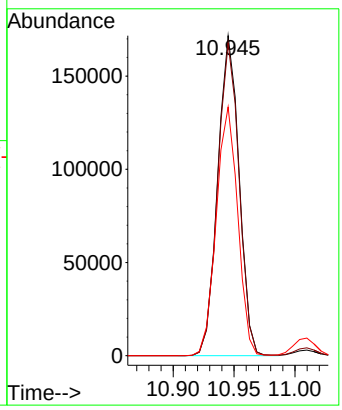


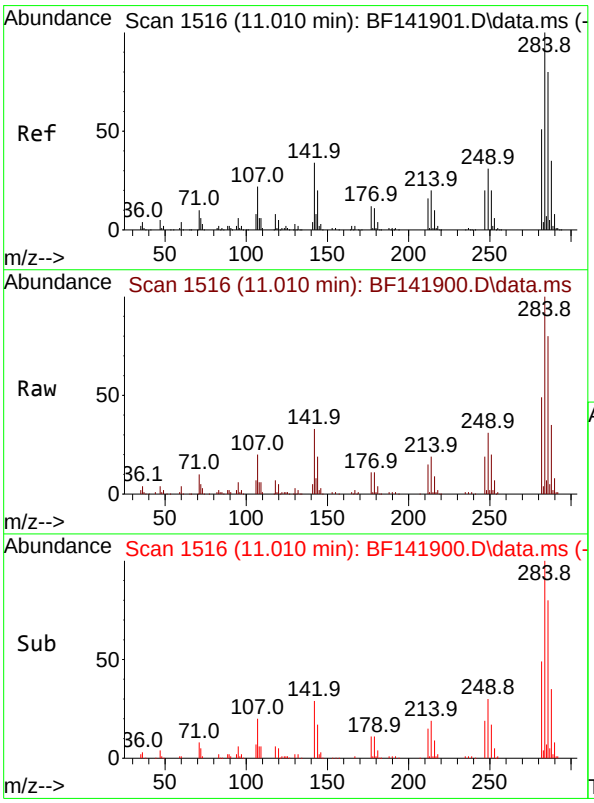
#67
4-Bromophenyl-phenylether
Concen: 20.436 ng
RT: 10.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:248 Resp: 210241

Ion	Ratio	Lower	Upper
248	100		
250	97.7	77.8	116.8
141	77.7	62.6	93.8

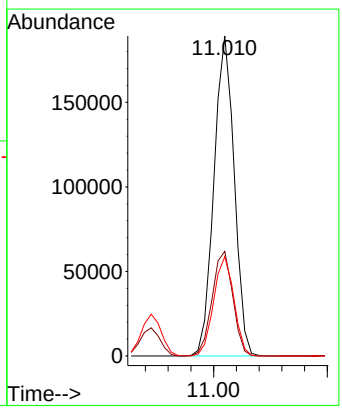


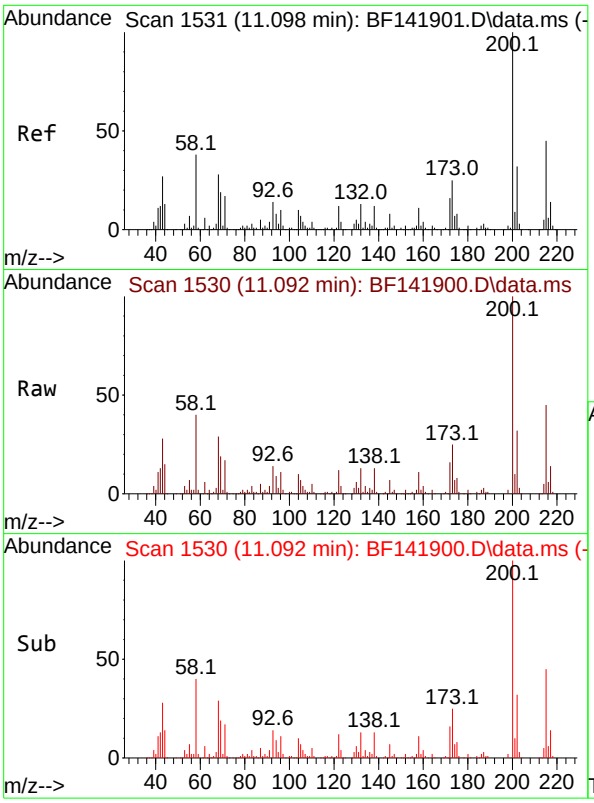


#68
Hexachlorobenzene
Concen: 20.613 ng
RT: 11.010 min Scan# 1516
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:284 Resp: 234399

Ion	Ratio	Lower	Upper
284	100		
142	32.7	27.0	40.6
249	31.1	25.2	37.8



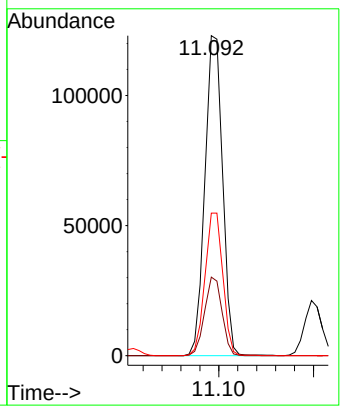


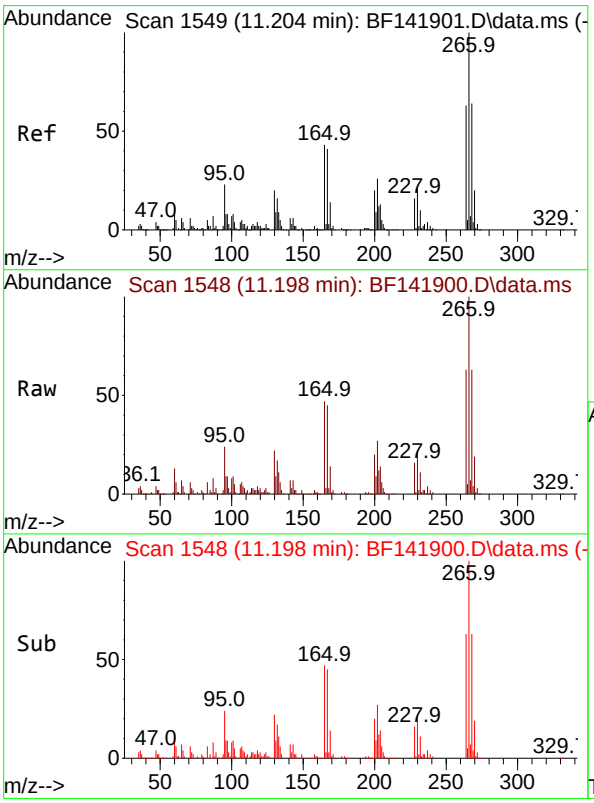
#69
Atrazine
Concen: 24.481 ng
RT: 11.092 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:200 Resp: 159306

Ion	Ratio	Lower	Upper
200	100		
173	24.6	4.7	44.7
215	44.5	25.4	65.4

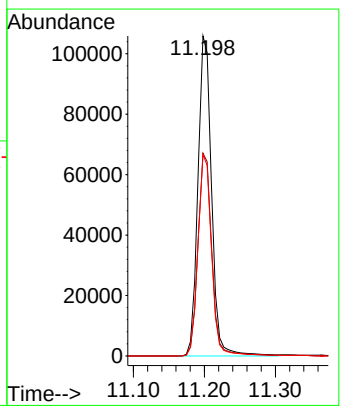


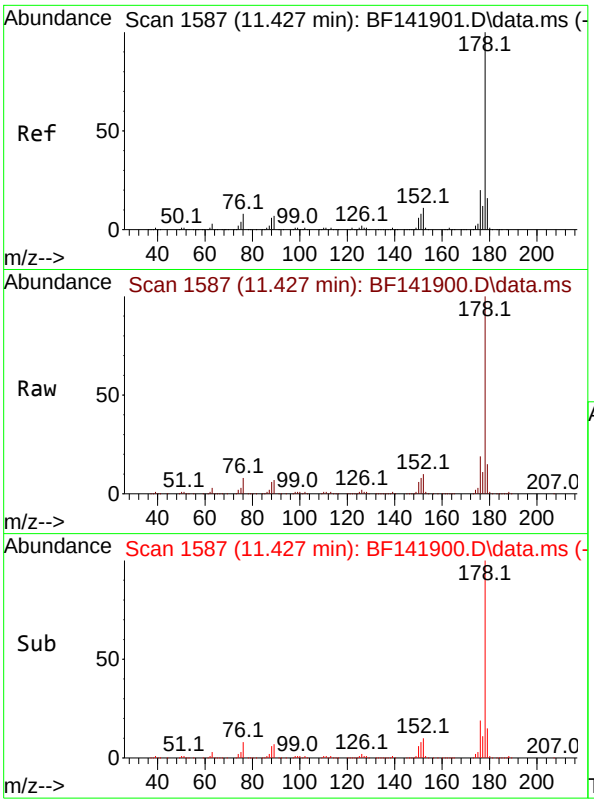


#70
Pentachlorophenol
Concen: 20.227 ng
RT: 11.198 min Scan# 1548
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:266 Resp: 141842

Ion	Ratio	Lower	Upper
266	100		
268	63.4	51.0	76.6
264	62.9	50.2	75.2



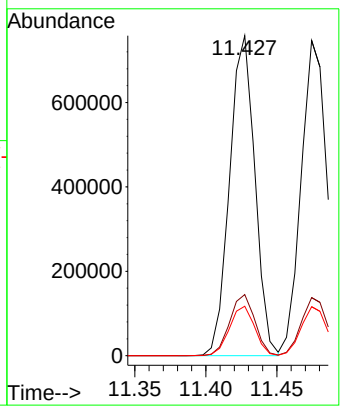


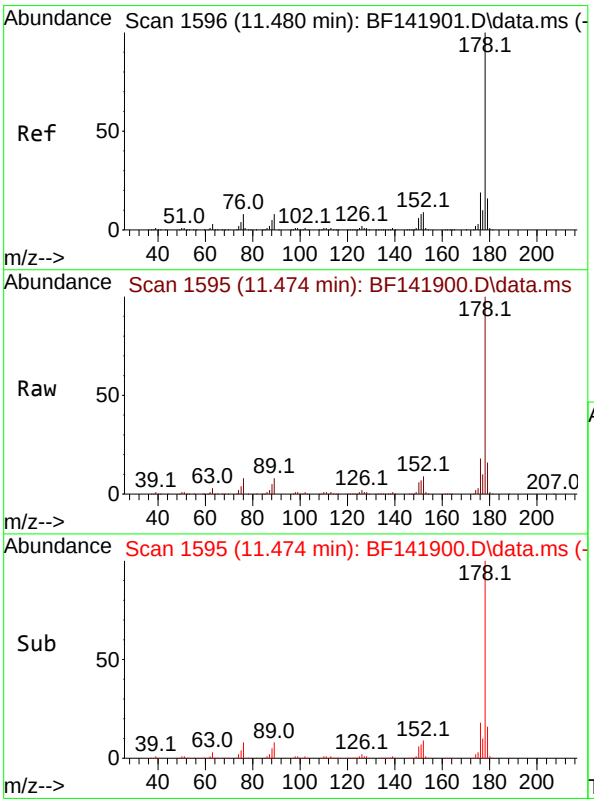
#71
Phenanthrene
Concen: 21.038 ng
RT: 11.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:178 Resp: 939782

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	15.5	12.6	19.0

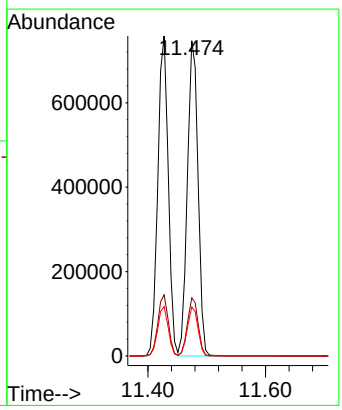


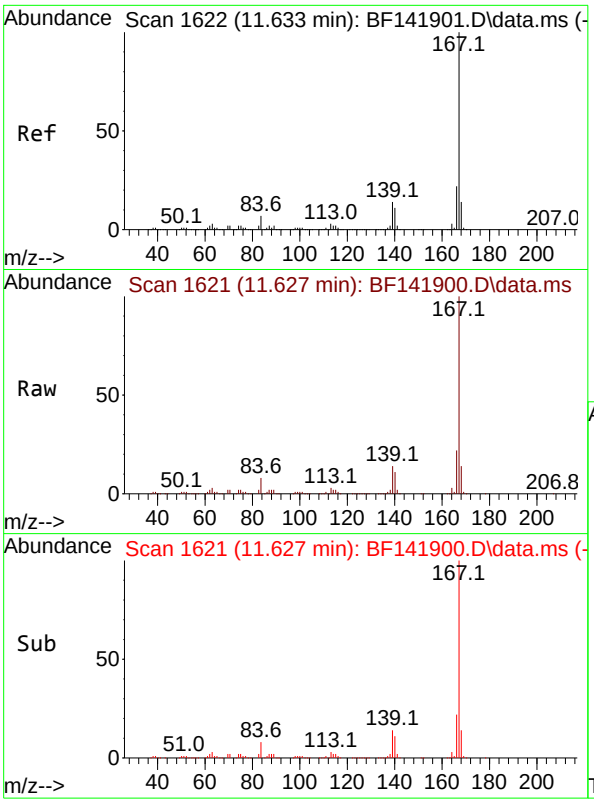


#72
Anthracene
Concen: 20.993 ng
RT: 11.474 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:178 Resp: 940875

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.1	22.7
179	15.5	12.6	19.0



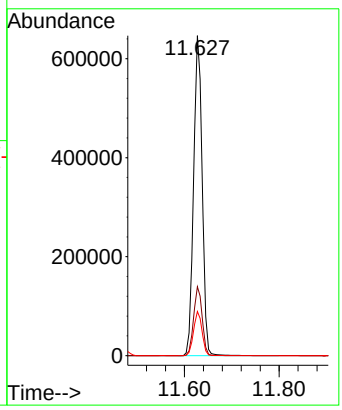


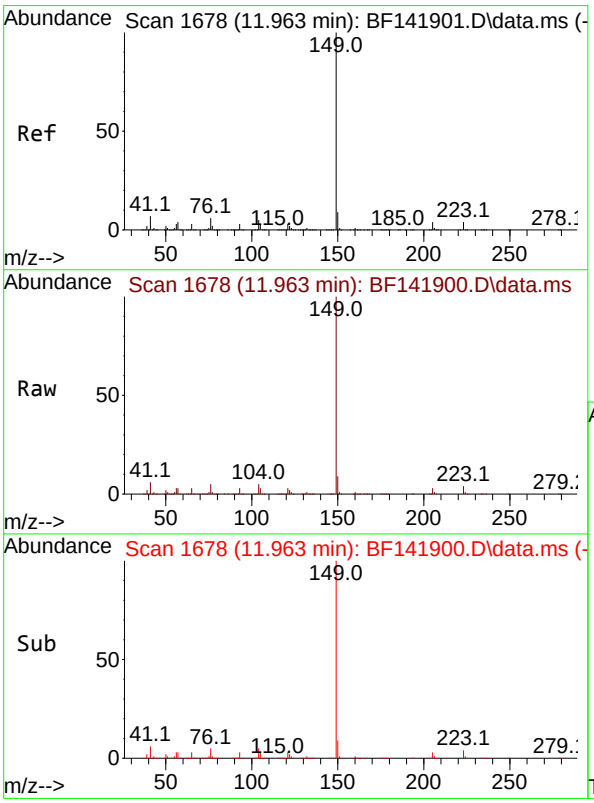
#73
Carbazole
Concen: 21.096 ng
RT: 11.627 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:167 Resp: 813998

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.4	26.2
139	13.8	11.0	16.6

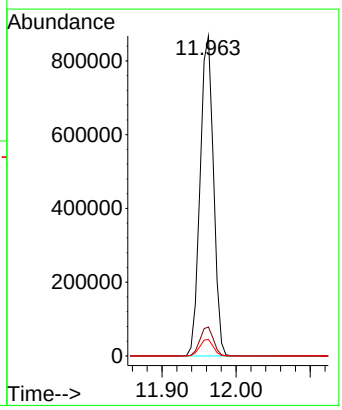


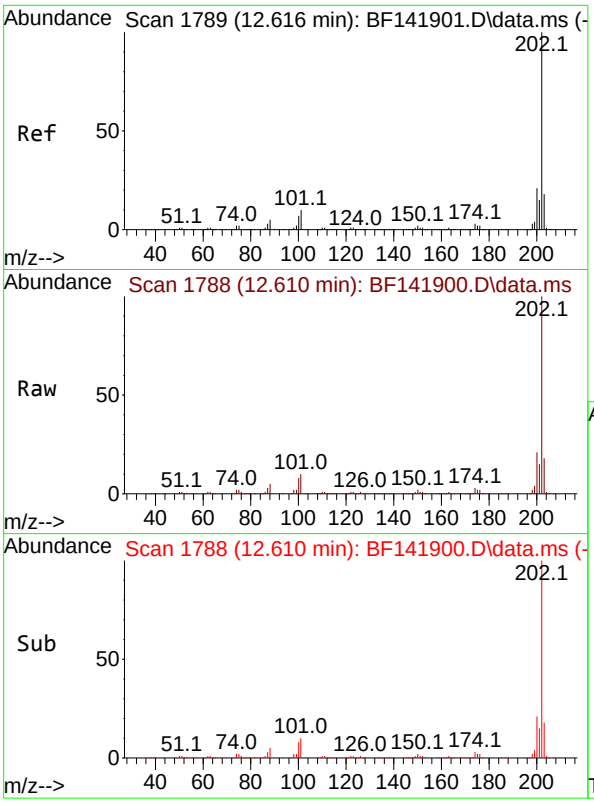


#74
Di-n-butylphthalate
Concen: 21.382 ng
RT: 11.963 min Scan# 1678
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:149 Resp: 1089304

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.6	11.4
104	5.2	4.4	6.6



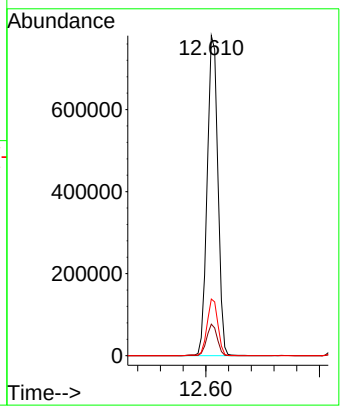


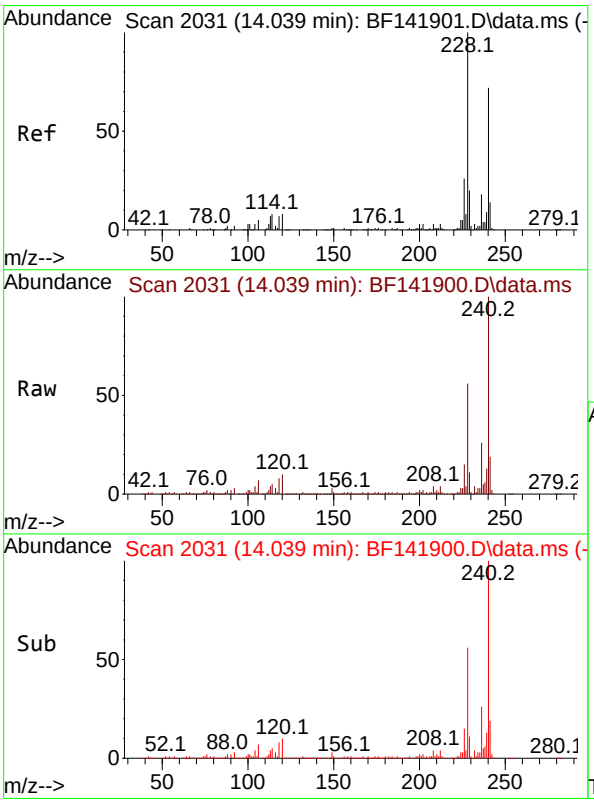
#75
Fluoranthene
Concen: 21.632 ng
RT: 12.610 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:202 Resp: 1014464

Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	29.7
203	17.7	0.0	37.8

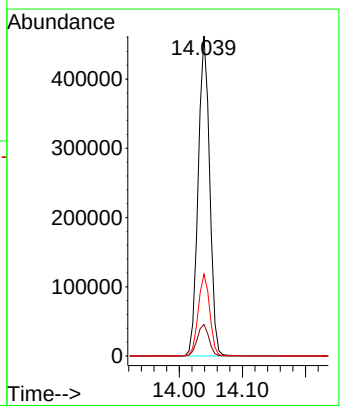


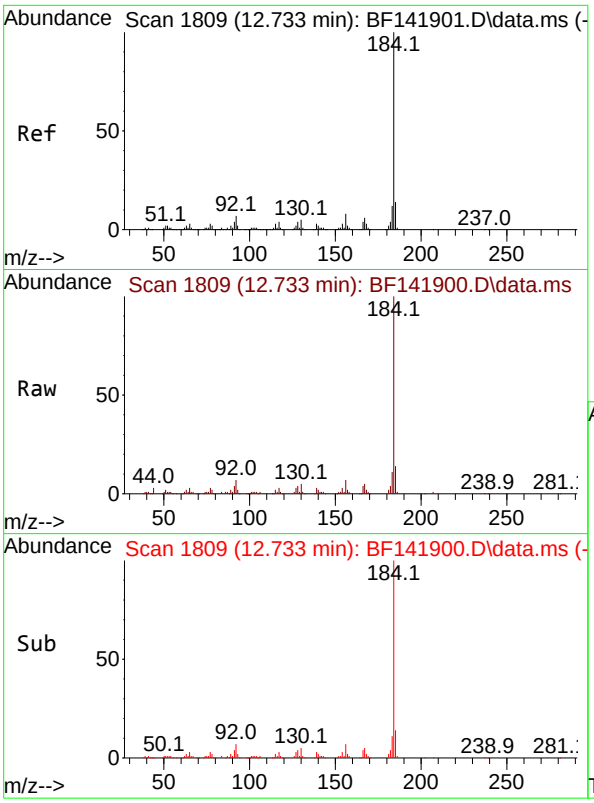


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:240 Resp: 581591

Ion	Ratio	Lower	Upper
240	100		
120	9.9	8.4	12.6
236	25.6	20.5	30.7



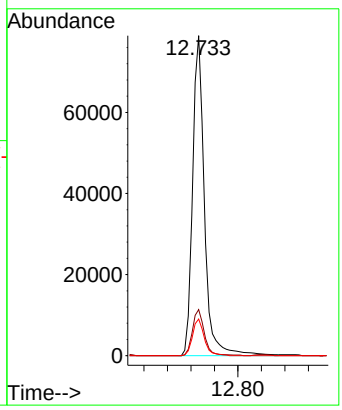


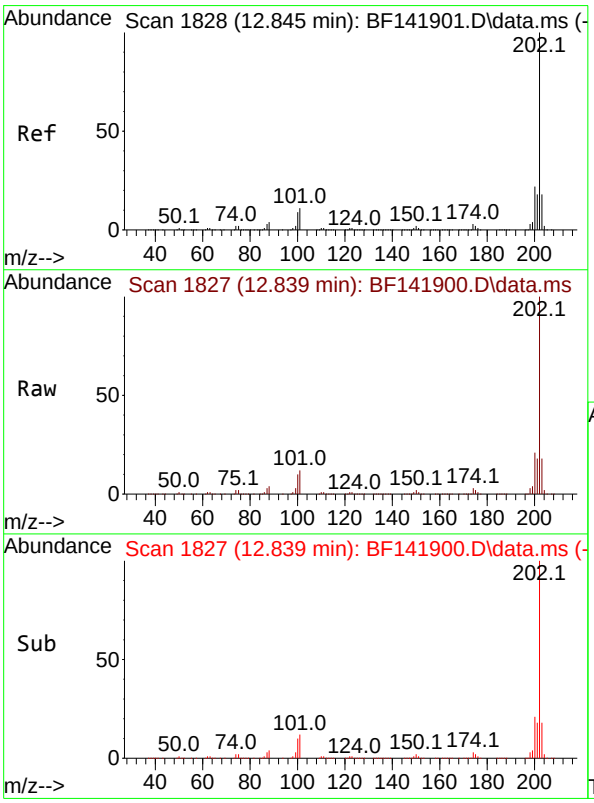
#77
Benzidine
Concen: 13.463 ng
RT: 12.733 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:184 Resp: 110648

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.5	17.3
183	11.5	9.7	14.5

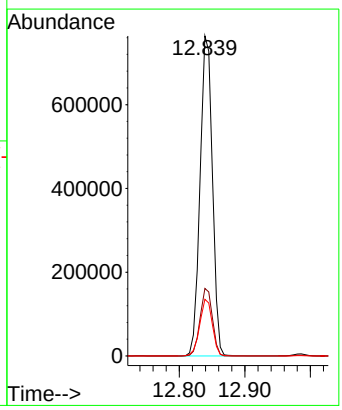


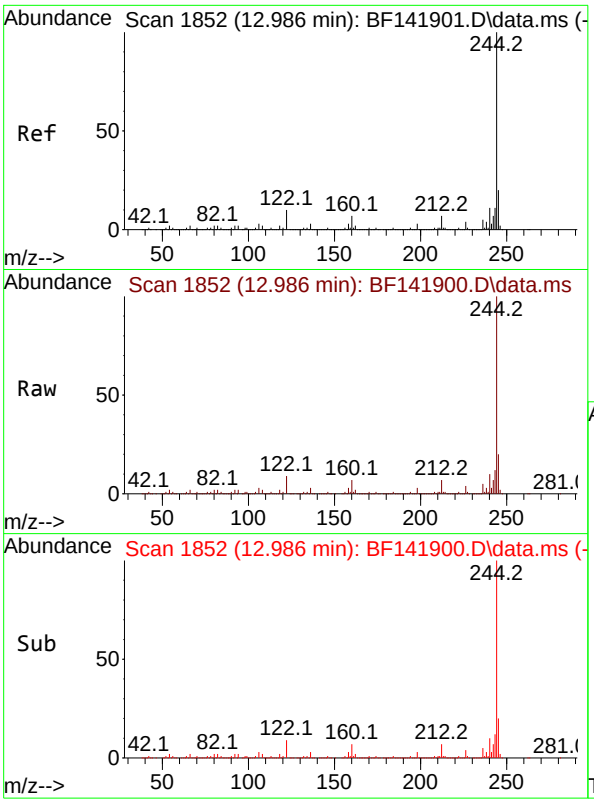


#78
Pyrene
Concen: 20.133 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:202 Resp: 1004157

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.3	25.9
203	17.7	14.4	21.6



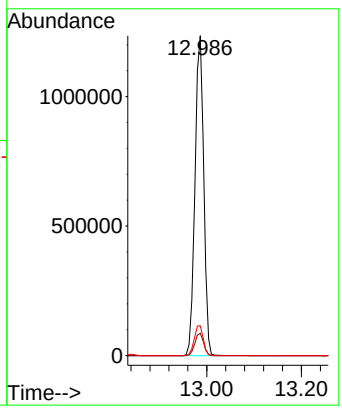


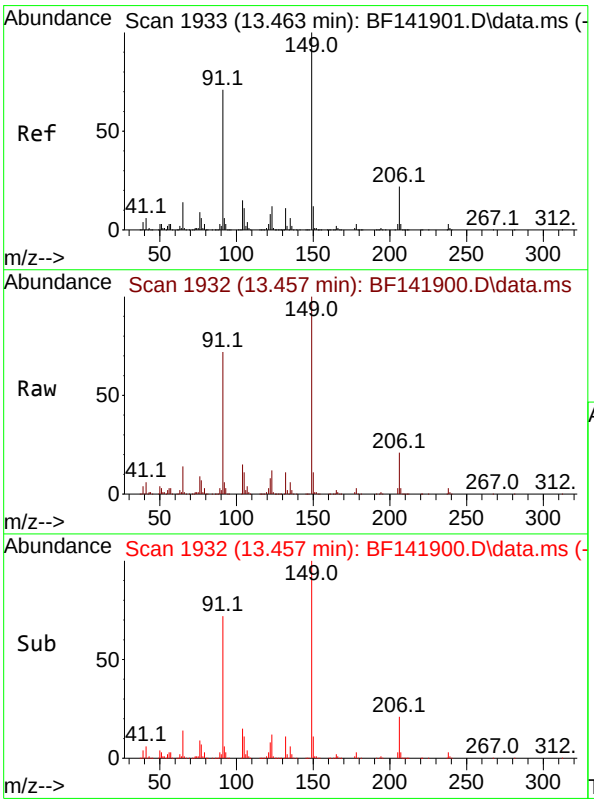
#79
Terphenyl-d14
Concen: 40.218 ng
RT: 12.986 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:244 Resp: 1582373

Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	9.4	7.7	11.5

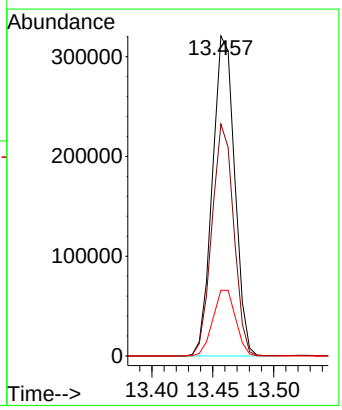


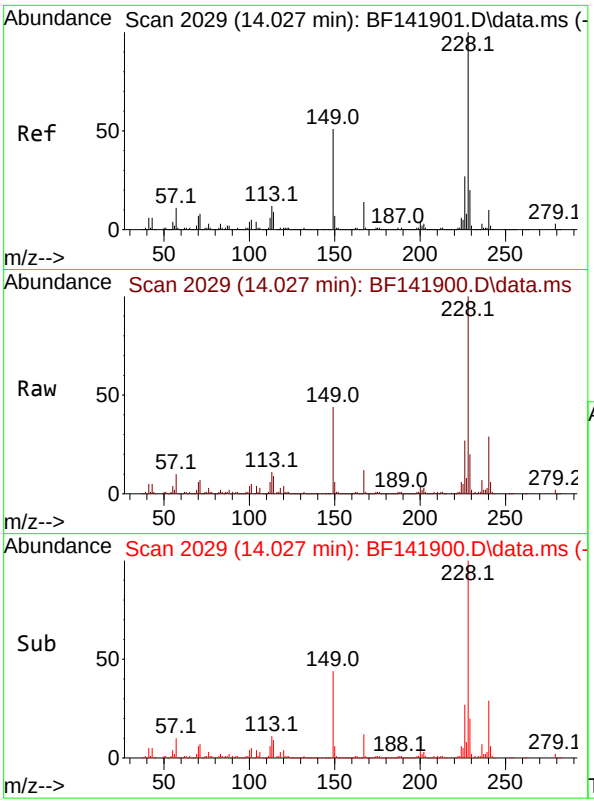


#80
Butylbenzylphthalate
Concen: 20.761 ng
RT: 13.457 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:149 Resp: 408044

Ion	Ratio	Lower	Upper
149	100		
91	72.5	56.5	84.7
206	20.5	17.3	25.9



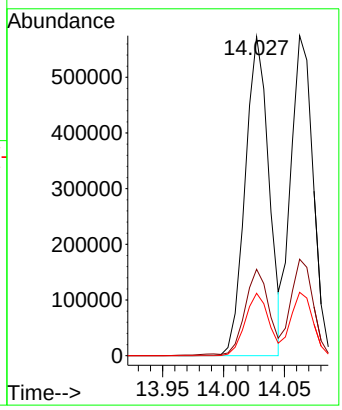


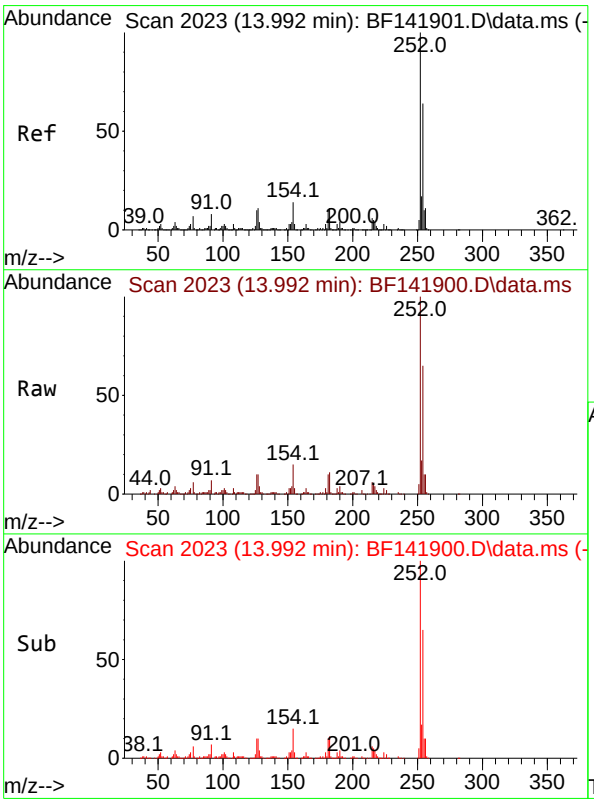
#81
Benzo(a)anthracene
Concen: 20.285 ng
RT: 14.027 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 776120

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.8	32.8
229	19.6	16.0	24.0

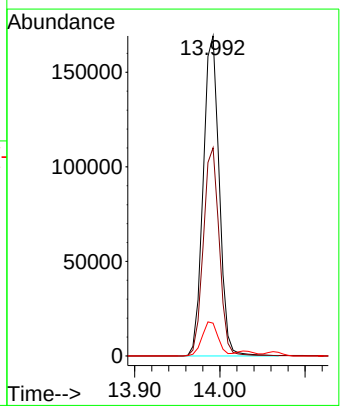


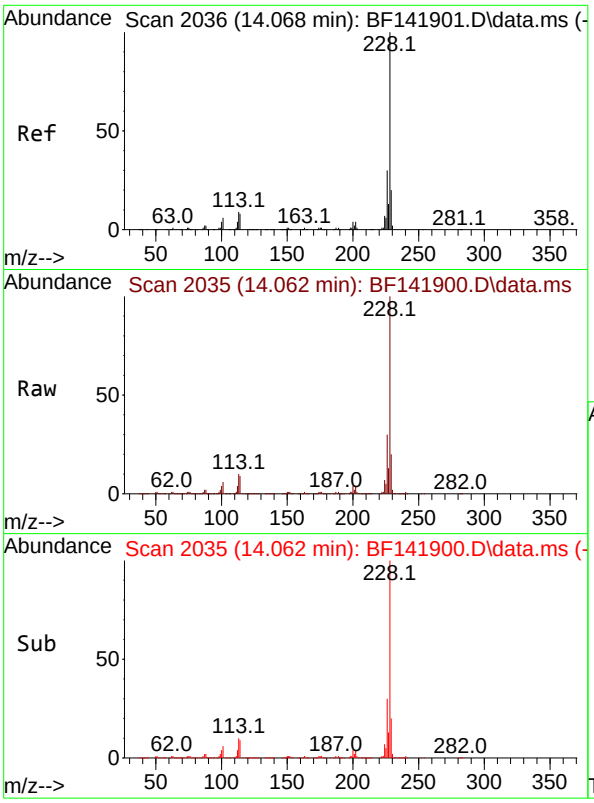


#82
3,3'-Dichlorobenzidine
Concen: 19.999 ng
RT: 13.992 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:252 Resp: 221168

Ion	Ratio	Lower	Upper
252	100		
254	65.0	51.0	76.6
126	10.2	8.4	12.6



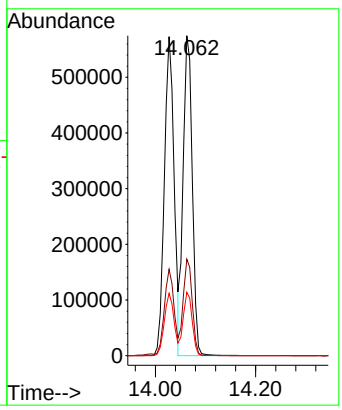


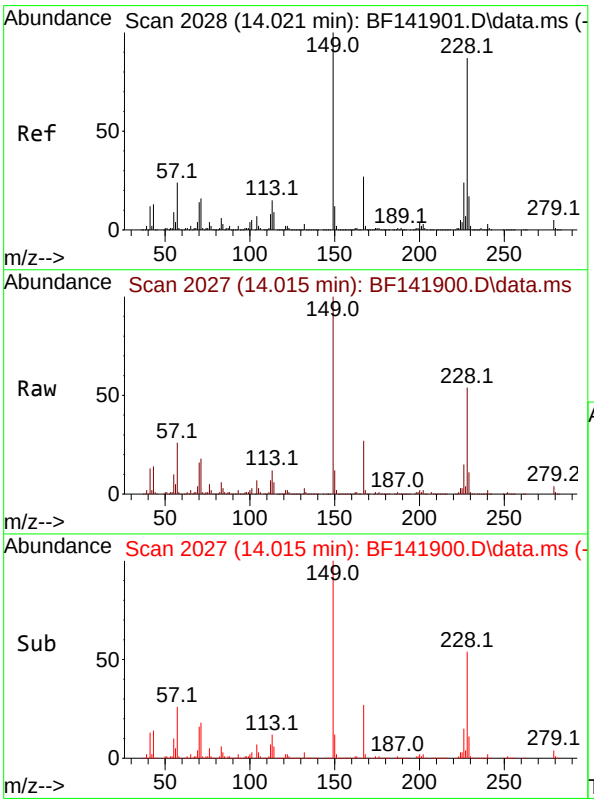
#83
Chrysene
Concen: 21.325 ng
RT: 14.062 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 732966

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.1	36.1
229	19.8	15.7	23.5

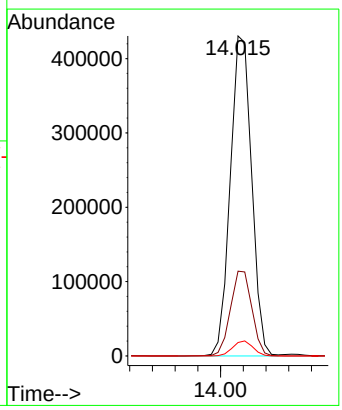


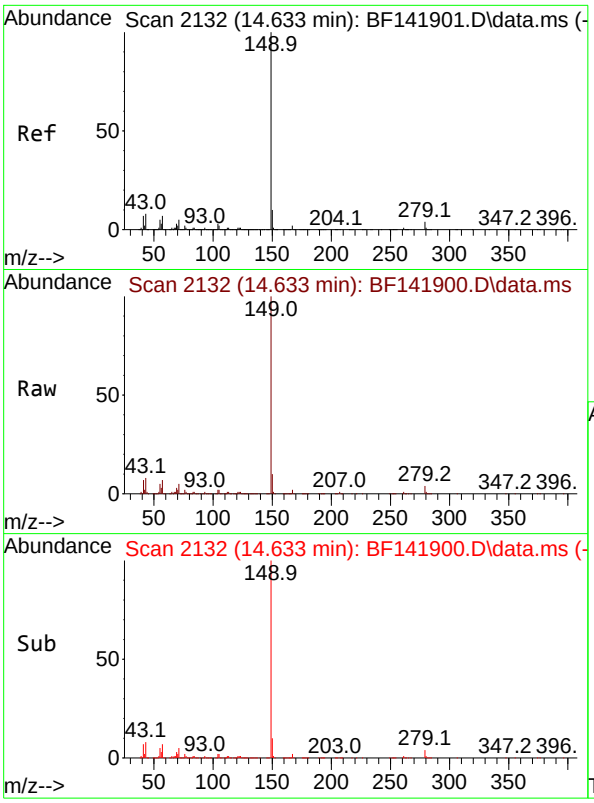


#84
Bis(2-ethylhexyl)phthalate
Concen: 20.845 ng
RT: 14.015 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:149 Resp: 562062

Ion	Ratio	Lower	Upper
149	100		
167	26.5	21.4	32.0
279	4.2	3.8	5.6



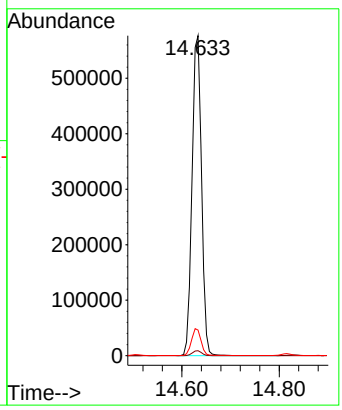


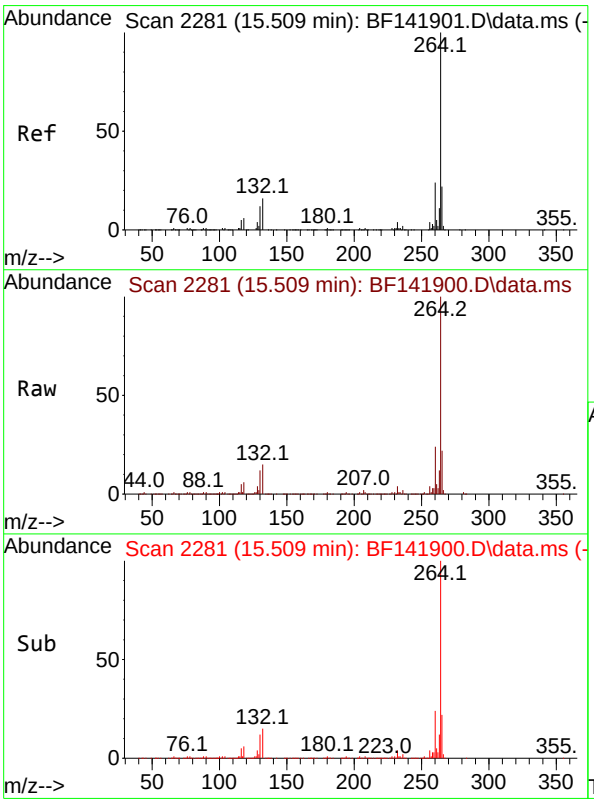
#85
Di-n-octyl phthalate
Concen: 20.740 ng
RT: 14.633 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:149 Resp: 778373

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	8.5	6.9	10.3

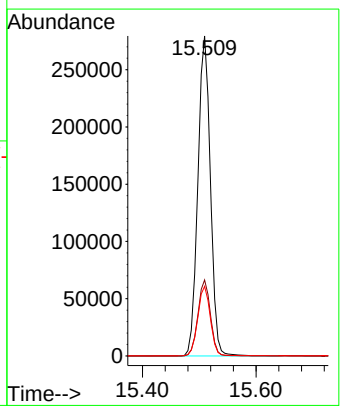


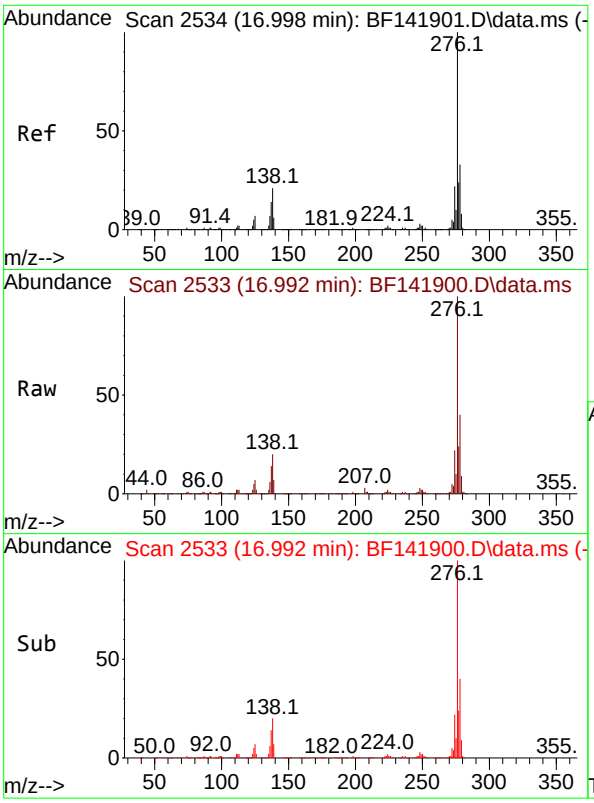


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 2281
Delta R.T. 0.000 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:264 Resp: 428960

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.1	28.7
265	21.7	17.5	26.3



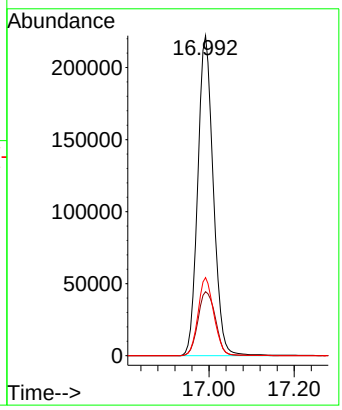


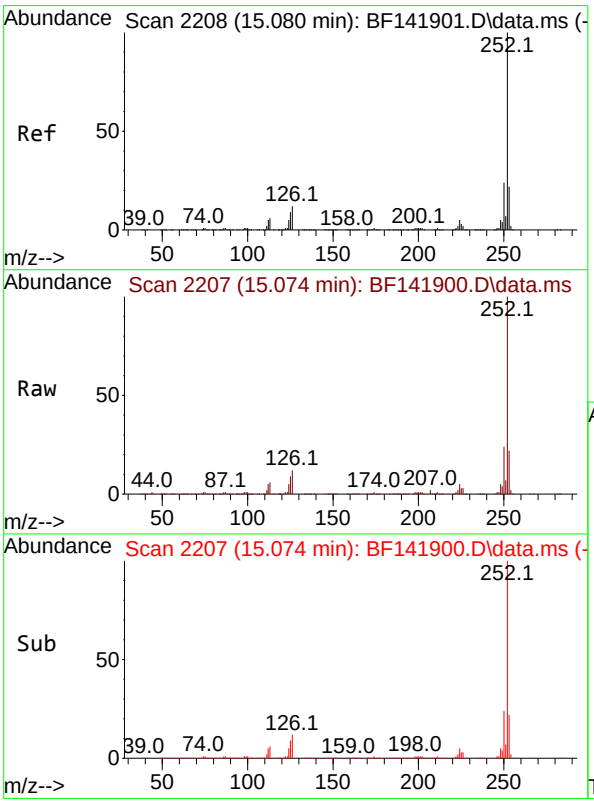
#87
Indeno(1,2,3-cd)pyrene
Concen: 20.163 ng
RT: 16.992 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:276 Resp: 560913

Ion	Ratio	Lower	Upper
276	100		
138	22.6	18.4	27.6
277	24.9	20.3	30.5

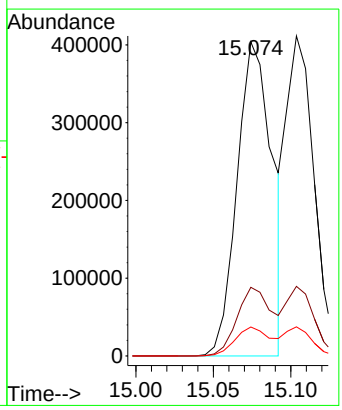


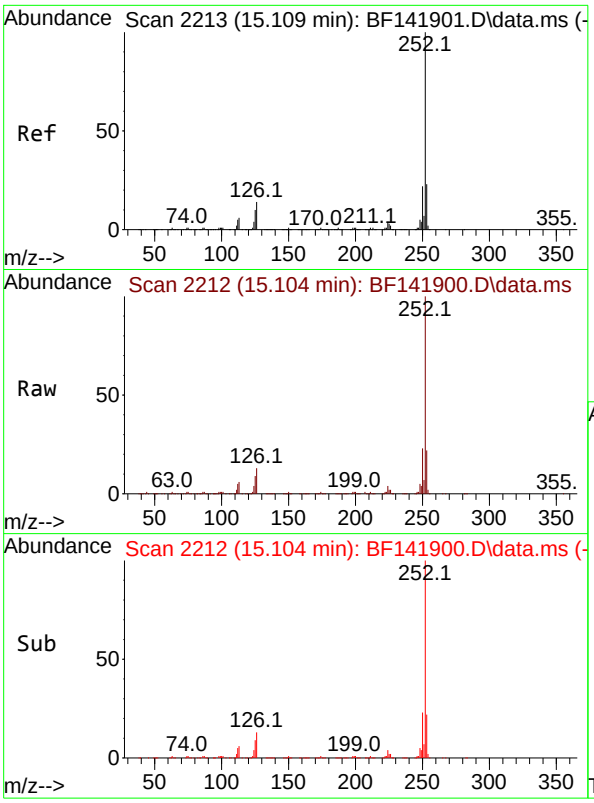


#88
Benzo(b)fluoranthene
Concen: 21.886 ng
RT: 15.074 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:252 Resp: 636808

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	9.2	7.0	10.4



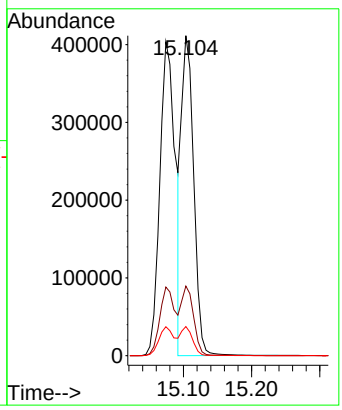


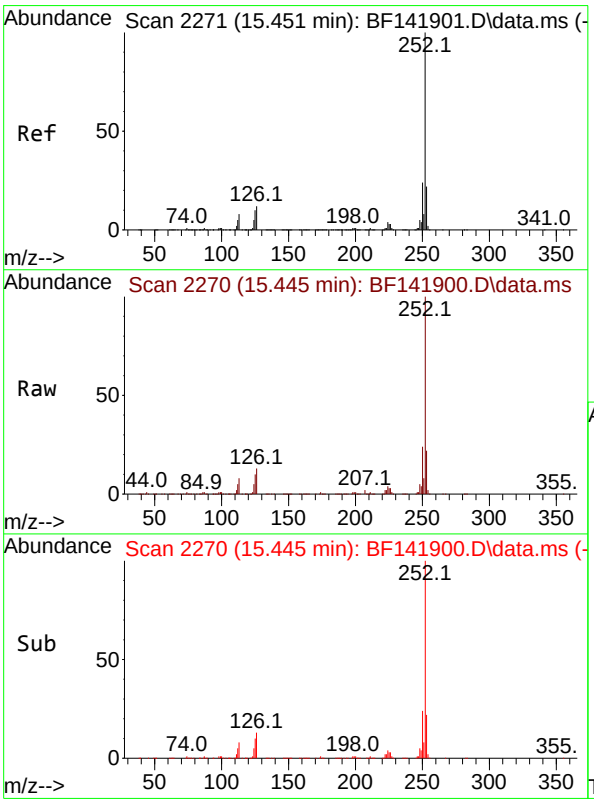
#89
Benzo(k)fluoranthene
Concen: 20.196 ng
RT: 15.104 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:252 Resp: 513311

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	9.1	7.2	10.8

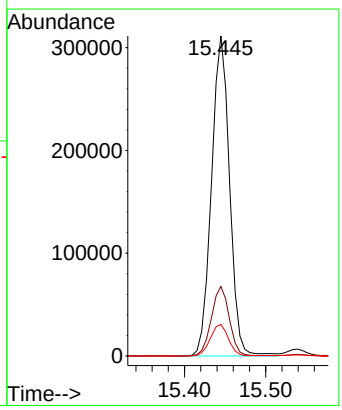


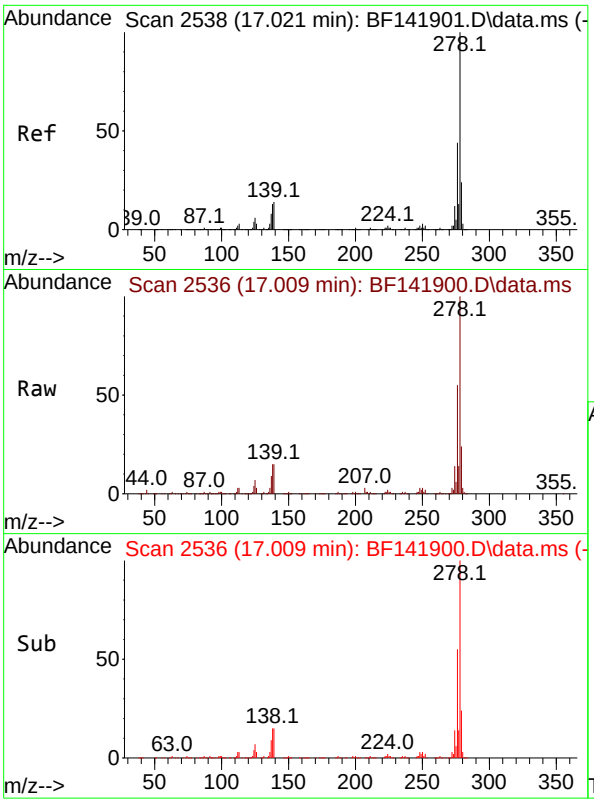


#90
Benzo(a)pyrene
Concen: 20.991 ng
RT: 15.445 min Scan# 2270
Delta R.T. -0.006 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:252 Resp: 481683

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0
125	9.8	7.8	11.8



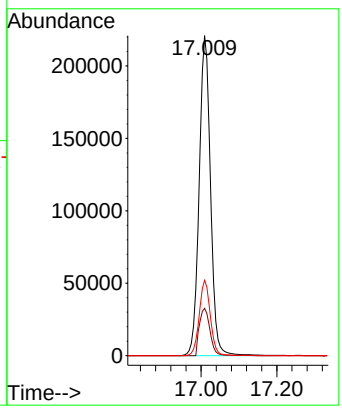


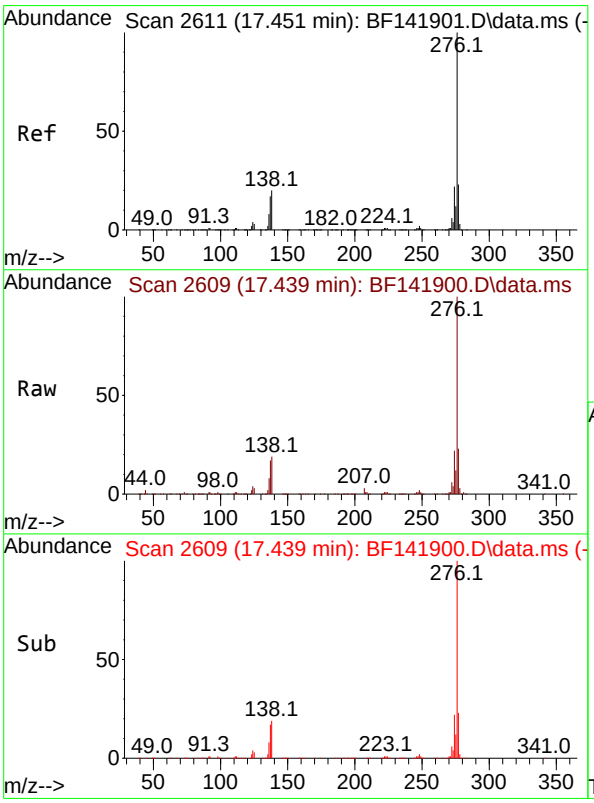
#91
Dibenzo(a,h)anthracene
Concen: 20.046 ng
RT: 17.009 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:278 Resp: 460109

Ion	Ratio	Lower	Upper
278	100		
139	14.8	11.4	17.2
279	23.6	18.8	28.2

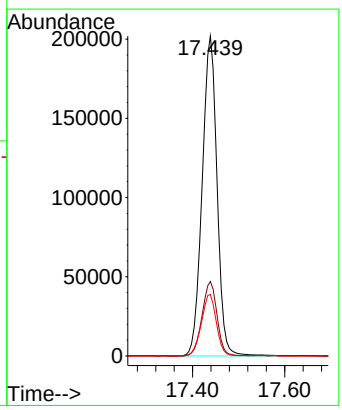




#92
Benzo(g,h,i)perylene
Concen: 19.987 ng
RT: 17.439 min Scan# 2609
Delta R.T. -0.012 min
Lab File: BF141900.D
Acq: 10 Mar 2025 12:29

Tgt Ion:276 Resp: 455034

Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.7	28.1
138	19.2	15.8	23.8



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141901.D
Acq On : 10 Mar 2025 12:58
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Mar 10 15:35:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	222904	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	874166	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	493744	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	839154	20.000	ng	0.00
76) Chrysene-d12	14.039	240	569865	20.000	ng	0.00
86) Perylene-d12	15.509	264	469286	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	1023722	76.628	ng	0.00
7) Phenol-d6	6.504	99	1285980	75.580	ng	0.00
23) Nitrobenzene-d5	7.445	82	1216280	77.983	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	493945	78.949	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	2475837	76.357	ng	0.00
79) Terphenyl-d14	12.986	244	2908357	75.440	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.675	88	224795	40.148	ng	100
3) Pyridine	3.440	79	544434	39.565	ng	100
4) n-Nitrosodimethylamine	3.393	42	259739	39.710	ng	100
6) Aniline	6.545	93	653060	38.879	ng	100
8) 2-Chlorophenol	6.669	128	561230	37.902	ng	100
9) Benzaldehyde	6.434	77	346818	36.467	ng	100
10) Phenol	6.522	94	684724	38.141	ng	100
11) bis(2-Chloroethyl)ether	6.616	93	510214	37.932	ng	100
12) 1,3-Dichlorobenzene	6.822	146	611938	38.242	ng	100
13) 1,4-Dichlorobenzene	6.898	146	620951	38.355	ng	100
14) 1,2-Dichlorobenzene	7.051	146	581043	38.111	ng	100
15) Benzyl Alcohol	7.022	79	528444	38.371	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.157	45	607522	37.476	ng	100
17) 2-Methylphenol	7.128	107	449433	38.190	ng	100
18) Hexachloroethane	7.392	117	230613	37.993	ng	100
19) n-Nitroso-di-n-propyla...	7.298	70	407069	37.223	ng	100
20) 3+4-Methylphenols	7.281	107	576902	38.219	ng	100
22) Acetophenone	7.292	105	804747	38.376	ng	100
24) Nitrobenzene	7.463	77	604738	39.106	ng	100
25) Isophorone	7.704	82	1049049	38.097	ng	100
26) 2-Nitrophenol	7.781	139	305349	40.295	ng	100
27) 2,4-Dimethylphenol	7.810	122	403621	38.671	ng	100
28) bis(2-Chloroethoxy)met...	7.910	93	650344	37.702	ng	100
29) 2,4-Dichlorophenol	8.016	162	500239	38.619	ng	100
30) 1,2,4-Trichlorobenzene	8.104	180	541182	37.870	ng	100
31) Naphthalene	8.186	128	1719643	38.400	ng	100
32) Benzoic acid	7.928	122	363328	39.827	ng	100
33) 4-Chloroaniline	8.228	127	613535	38.824	ng	100
34) Hexachlorobutadiene	8.304	225	355740	38.285	ng	100
35) Caprolactam	8.604	113	147056	37.335	ng	100
36) 4-Chloro-3-methylphenol	8.704	107	555328	38.549	ng	100
37) 2-Methylnaphthalene	8.875	142	1141228	37.983	ng	100
38) 1-Methylnaphthalene	8.975	142	1089576	37.447	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	584322	38.814	ng	100
41) Hexachlorocyclopentadiene	9.028	237	246666	41.523	ng	100
43) 2,4,6-Trichlorophenol	9.145	196	392696	40.014	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141901.D
Acq On : 10 Mar 2025 12:58
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Mar 10 15:35:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	384539	38.566	ng	100
46) 1,1'-Biphenyl	9.339	154	1436040	38.362	ng	100
47) 2-Chloronaphthalene	9.363	162	1077099	38.609	ng	100
48) 2-Nitroaniline	9.457	65	318068	39.690	ng	100
49) Acenaphthylene	9.780	152	1614250	39.029	ng	100
50) Dimethylphthalate	9.639	163	1312856	38.270	ng	100
51) 2,6-Dinitrotoluene	9.698	165	281695	39.486	ng	100
52) Acenaphthene	9.951	154	1132087	38.764	ng	100
53) 3-Nitroaniline	9.869	138	289208	39.481	ng	100
54) 2,4-Dinitrophenol	9.969	184	140024	38.116	ng	100
55) Dibenzofuran	10.122	168	1593454	38.266	ng	100
56) 4-Nitrophenol	10.016	139	227070	41.266	ng	100
57) 2,4-Dinitrotoluene	10.104	165	370337	39.437	ng	100
58) Fluorene	10.469	166	1213316	37.742	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	354863	39.225	ng	100
60) Diethylphthalate	10.339	149	1319116	38.304	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	635445	37.950	ng	100
62) 4-Nitroaniline	10.480	138	284615	40.097	ng	100
63) Azobenzene	10.616	77	1229473	38.432	ng	100
65) 4,6-Dinitro-2-methylph...	10.510	198	203106	40.827	ng	100
66) n-Nitrosodiphenylamine	10.574	169	1041349	38.415	ng	100
67) 4-Bromophenyl-phenylether	10.945	248	409602	39.195	ng	100
68) Hexachlorobenzene	11.010	284	452189	39.146	ng	100
69) Atrazine	11.098	200	275084	41.614	ng	100
70) Pentachlorophenol	11.204	266	297893	41.818	ng	100
71) Phenanthrene	11.427	178	1741309	38.373	ng	100
72) Anthracene	11.480	178	1756035	38.571	ng	100
73) Carbazole	11.633	167	1524663	38.898	ng	100
74) Di-n-butylphthalate	11.963	149	1975625	38.175	ng	100
75) Fluoranthene	12.616	202	1860202	39.049	ng	100
77) Benzidine	12.733	184	410026	50.915	ng	100
78) Pyrene	12.845	202	1835917	37.567	ng	100
80) Butylbenzylphthalate	13.463	149	746613	38.769	ng	100
81) Benzo(a)anthracene	14.027	228	1451332	38.713	ng	100
82) 3,3'-Dichlorobenzidine	13.992	252	423835	39.114	ng	100
83) Chrysene	14.068	228	1294538	38.439	ng	100
84) Bis(2-ethylhexyl)phtha...	14.021	149	1029987	38.985	ng	100
85) Di-n-octyl phthalate	14.633	149	1441248	39.193	ng	100
87) Indeno(1,2,3-cd)pyrene	16.998	276	1207616	39.681	ng	100
88) Benzo(b)fluoranthene	15.080	252	1135547	35.673	ng	100
89) Benzo(k)fluoranthene	15.109	252	1130615	40.661	ng	100
90) Benzo(a)pyrene	15.451	252	972220	38.727	ng	100
91) Dibenzo(a,h)anthracene	17.021	278	1002747	39.933	ng	100
92) Benzo(g,h,i)perylene	17.451	276	999947	40.149	ng	100

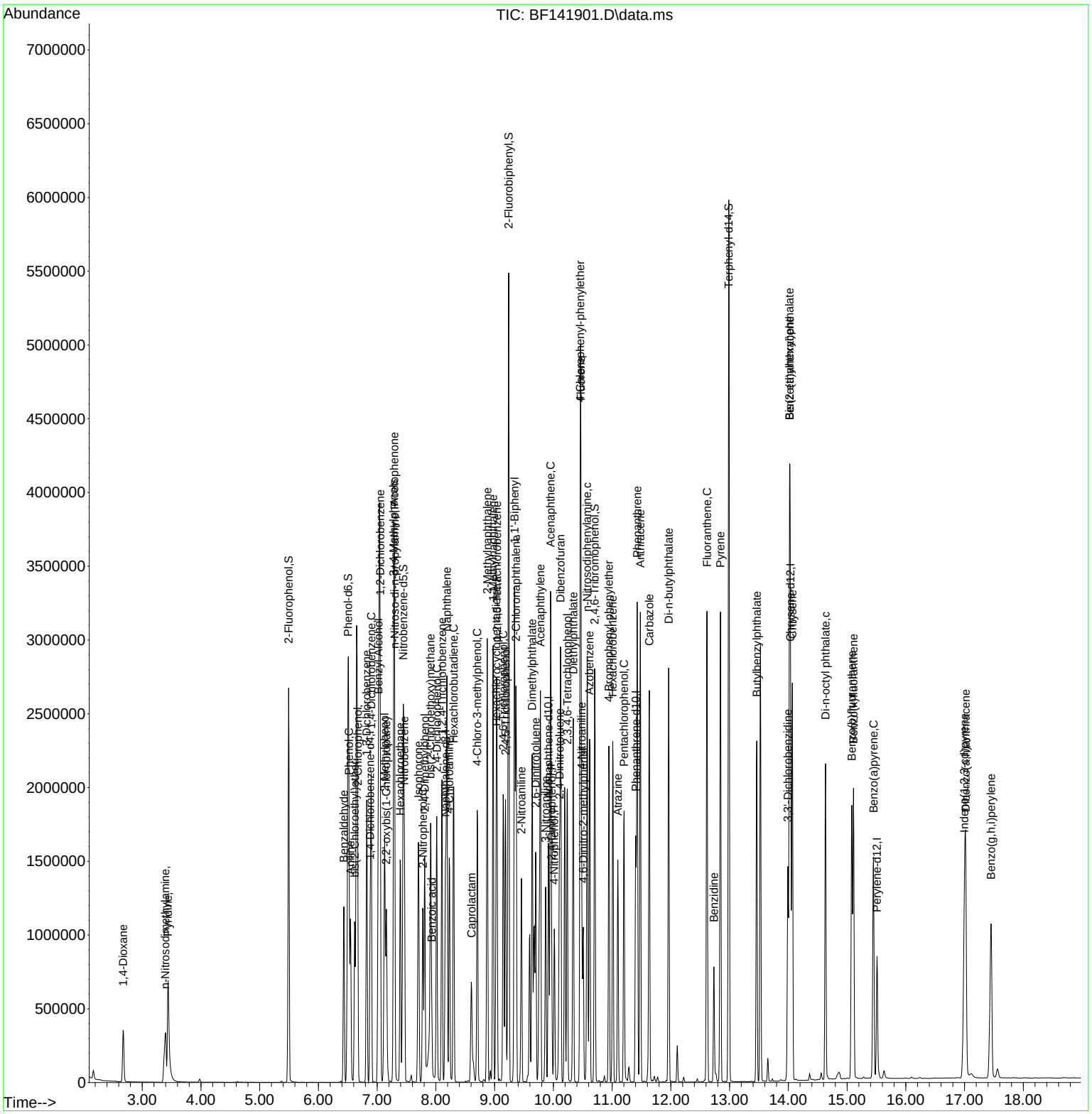
(#) = qualifier out of range (m) = manual integration (+) = signals summed

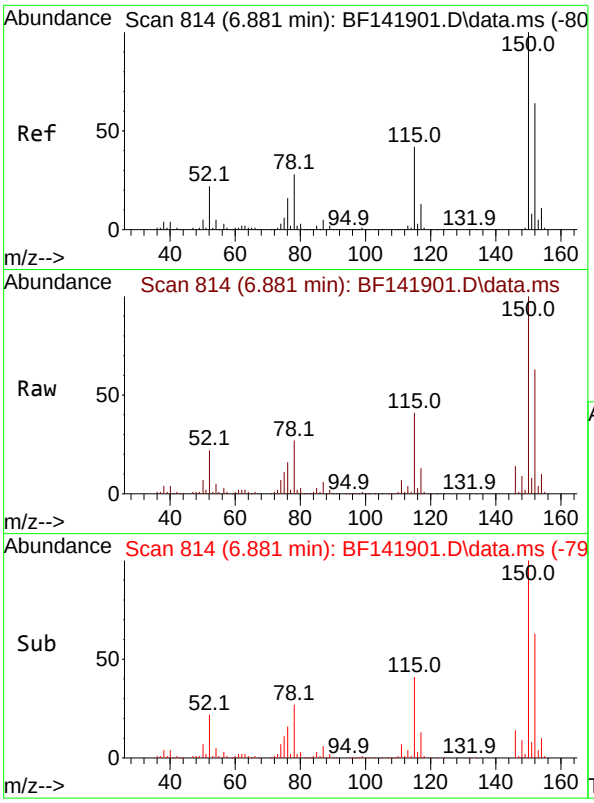
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141901.D
Acq On : 10 Mar 2025 12:58
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Mar 10 15:35:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration



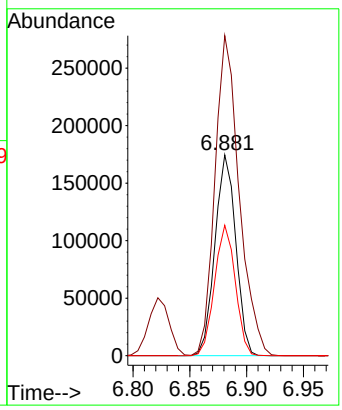


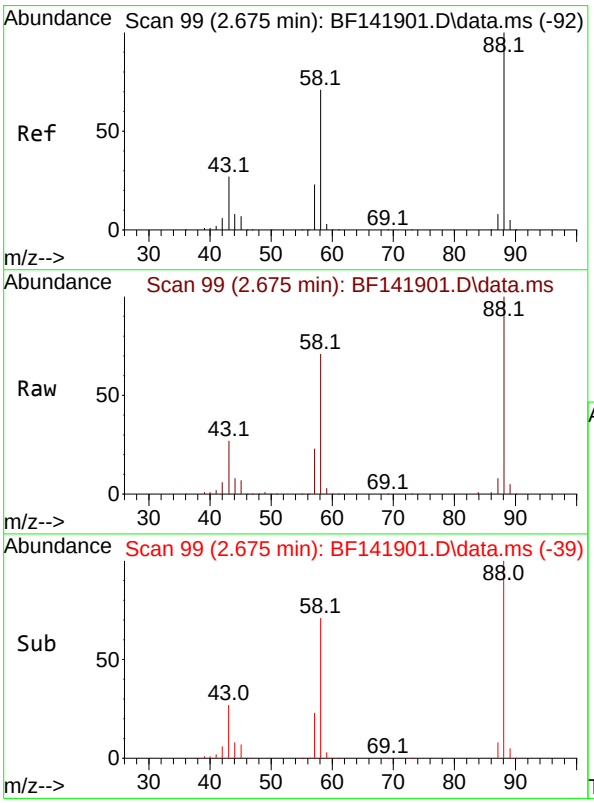
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 222904

Ion	Ratio	Lower	Upper
152	100		
150	159.3	127.4	191.2
115	64.9	51.9	77.9

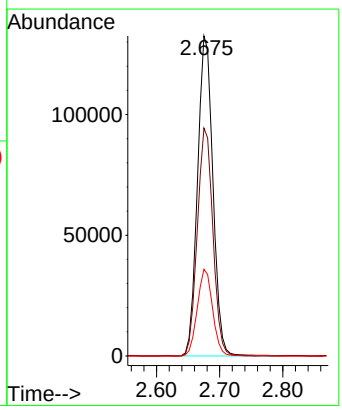


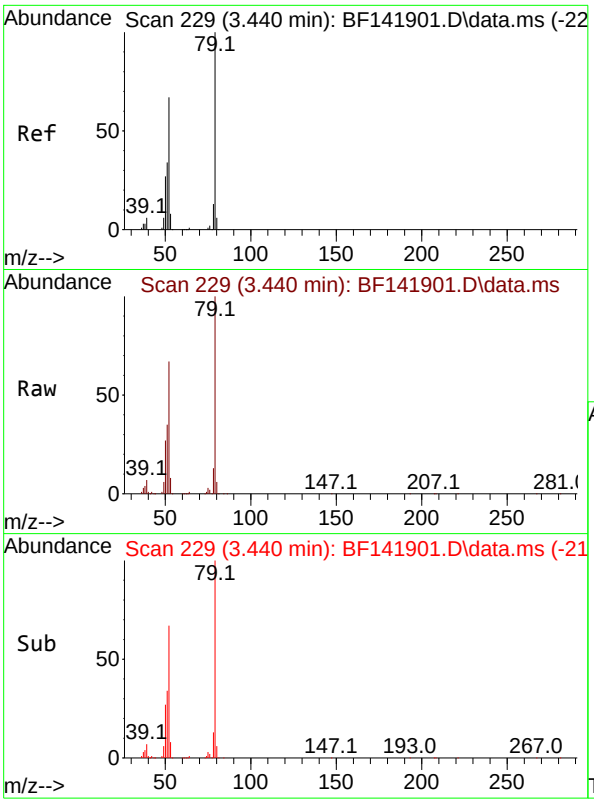


#2
1,4-Dioxane
Concen: 40.148 ng
RT: 2.675 min Scan# 99
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion: 88 Resp: 224795

Ion	Ratio	Lower	Upper
88	100		
58	71.8	57.4	86.2
43	26.9	21.5	32.3



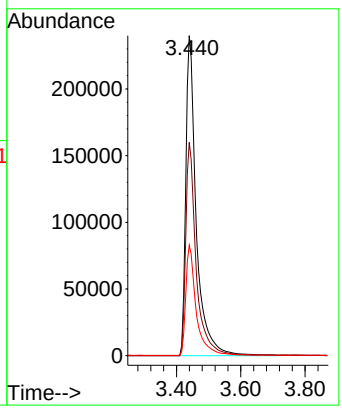


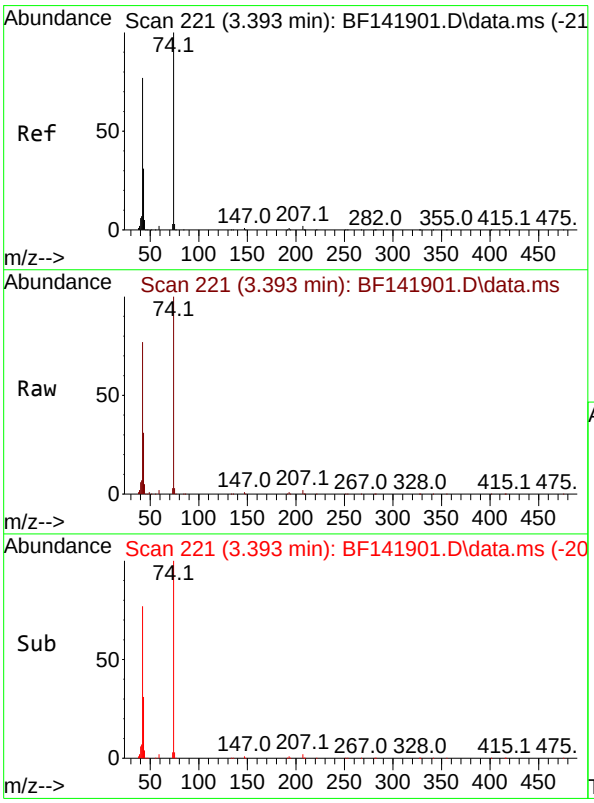
#3
Pyridine
Concen: 39.565 ng
RT: 3.440 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 544434

Ion	Ratio	Lower	Upper
79	100		
52	66.6	53.3	79.9
51	34.5	27.6	41.4

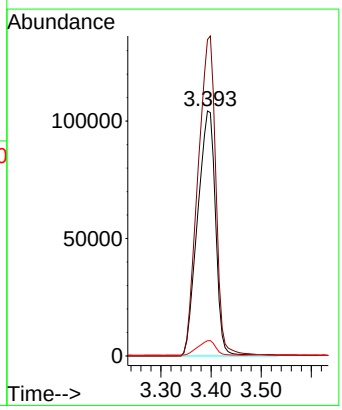


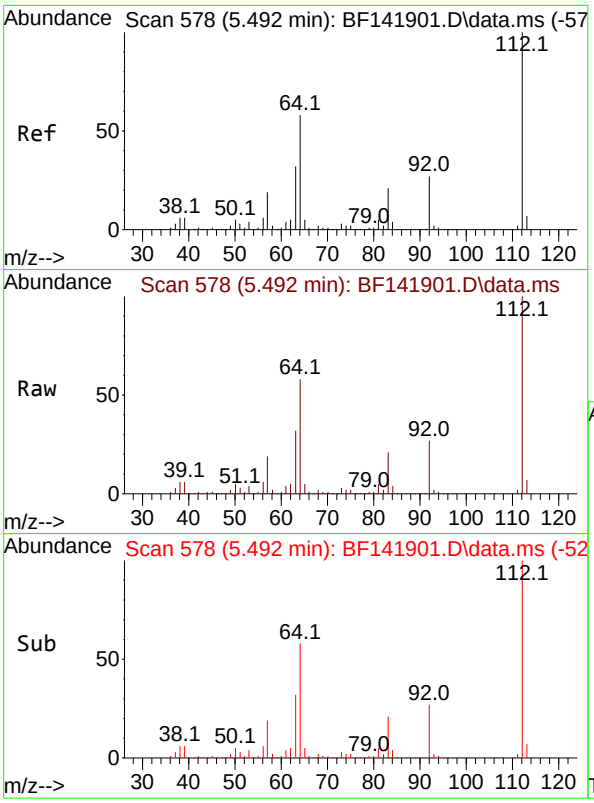


#4
n-Nitrosodimethylamine
Concen: 39.710 ng
RT: 3.393 min Scan# 221
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion: 42 Resp: 259739

Ion	Ratio	Lower	Upper
42	100		
74	129.2	103.4	155.0
44	6.2	5.0	7.4



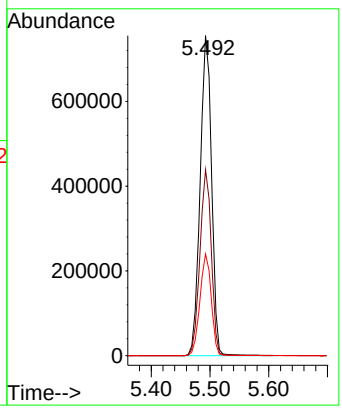


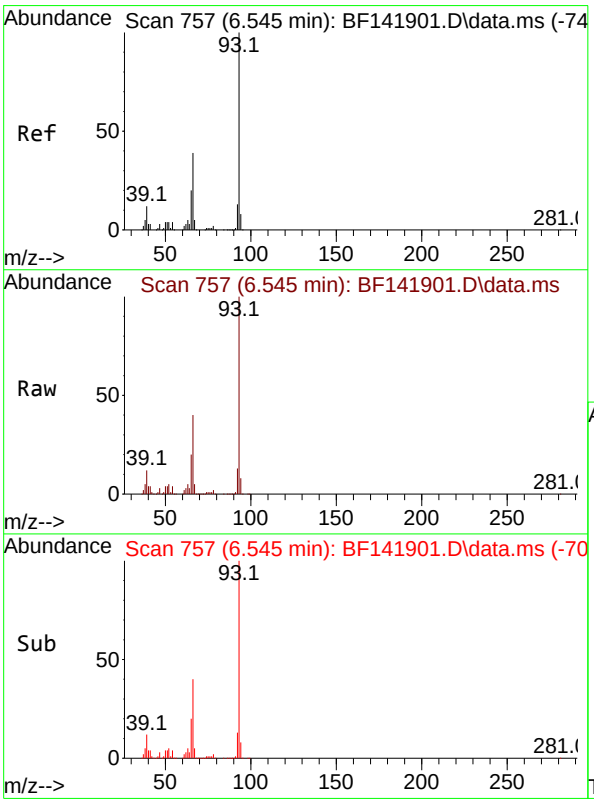
#5
2-Fluorophenol
Concen: 76.628 ng
RT: 5.492 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 1023722

Ion	Ratio	Lower	Upper
112	100		
64	58.1	46.5	69.7
63	31.8	25.4	38.2

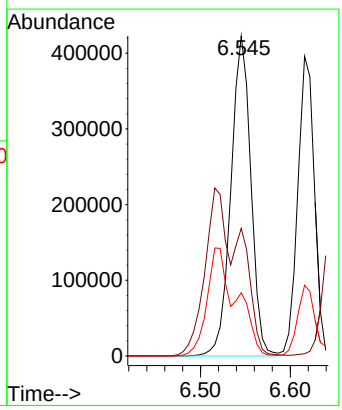


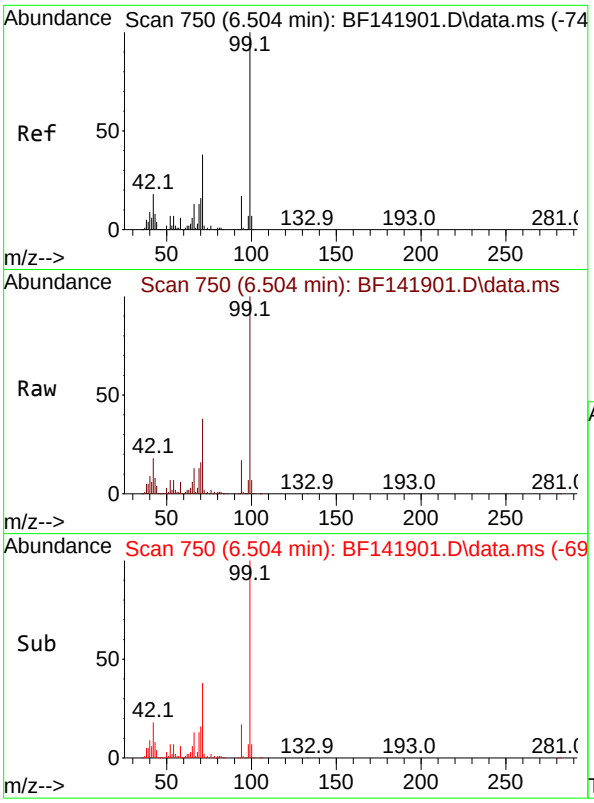


#6
Aniline
Concen: 38.879 ng
RT: 6.545 min Scan# 757
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion: 93 Resp: 653060

Ion	Ratio	Lower	Upper
93	100		
66	39.9	31.9	47.9
65	19.7	15.8	23.6



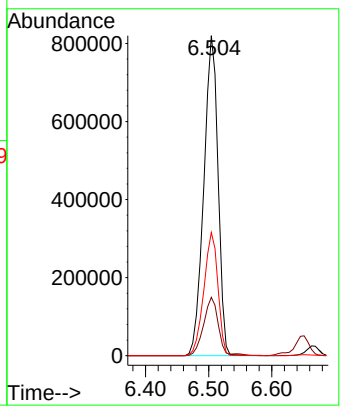


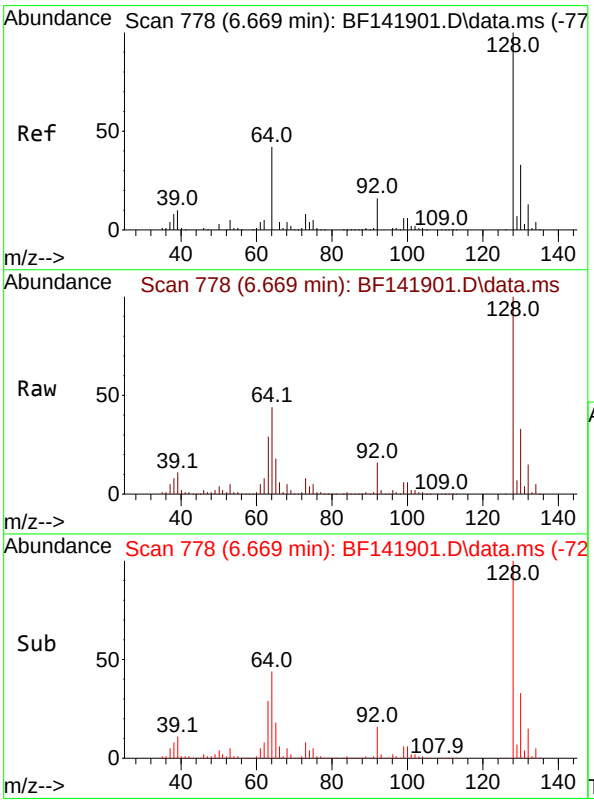
#7
Phenol-d6
Concen: 75.580 ng
RT: 6.504 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 99 Resp: 1285980

Ion	Ratio	Lower	Upper
99	100		
42	18.2	14.6	21.8
71	38.5	30.8	46.2

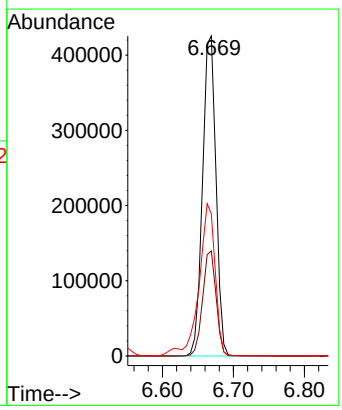


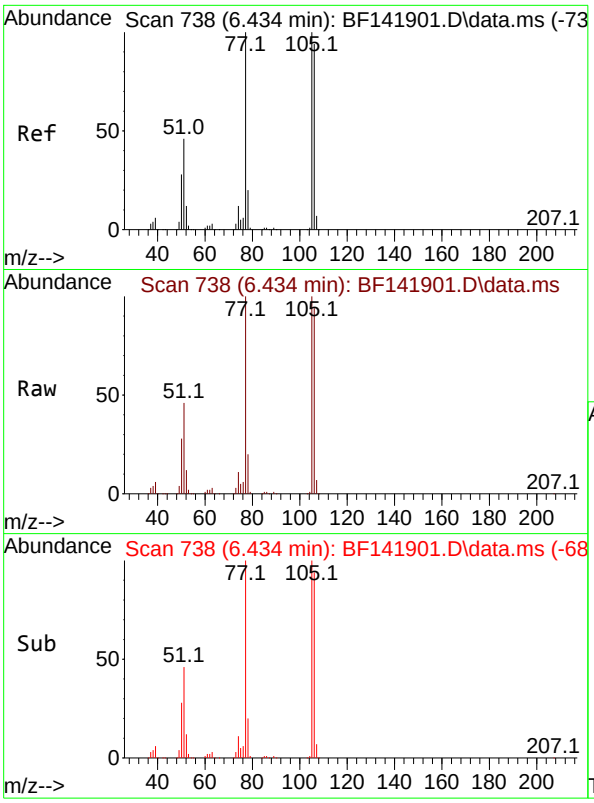


#8
2-Chlorophenol
Concen: 37.902 ng
RT: 6.669 min Scan# 778
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:128 Resp: 561230

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.8	52.8
64	44.4	24.4	64.4



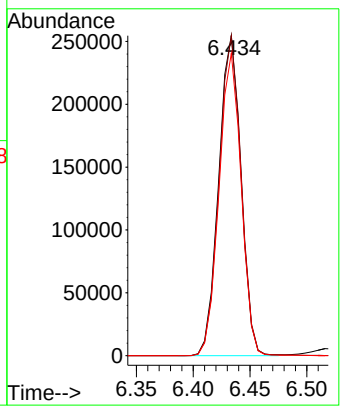


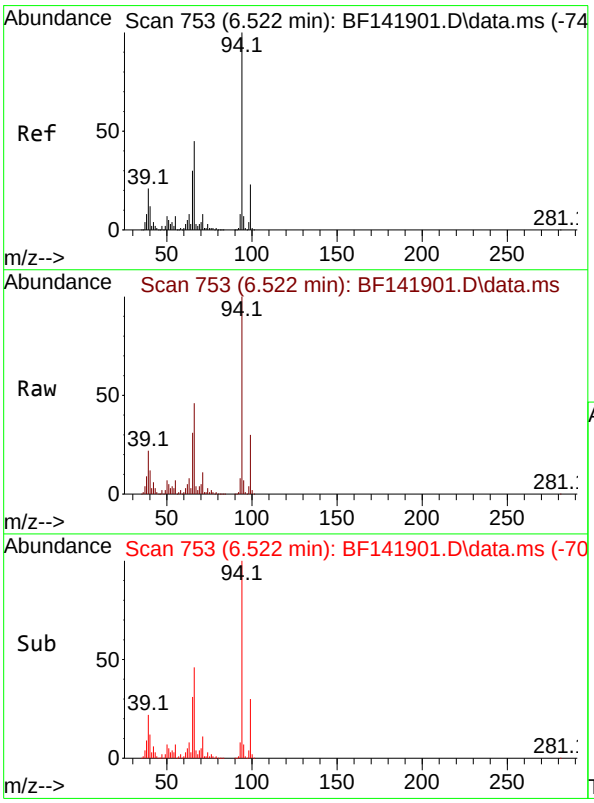
#9
Benzaldehyde
Concen: 36.467 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 346818

Ion	Ratio	Lower	Upper
77	100		
105	100.0	80.0	120.0
106	94.5	74.5	114.5

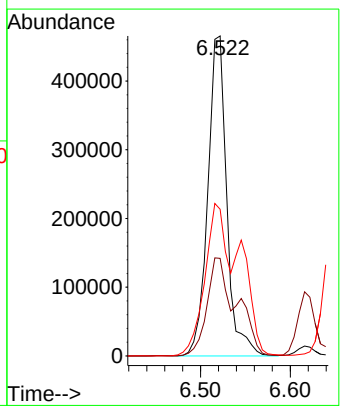


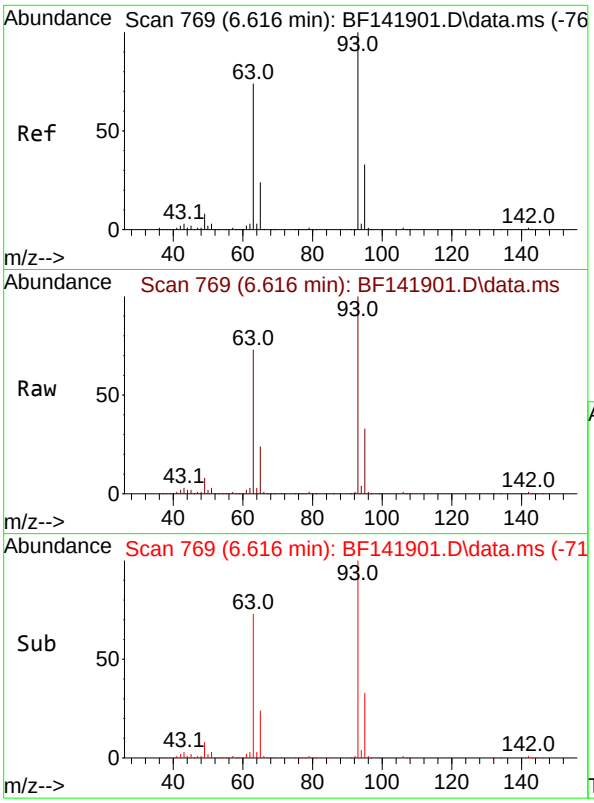


#10
Phenol
Concen: 38.141 ng
RT: 6.522 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion: 94 Resp: 684724

Ion	Ratio	Lower	Upper
94	100		
65	30.5	10.5	50.5
66	45.8	25.8	65.8



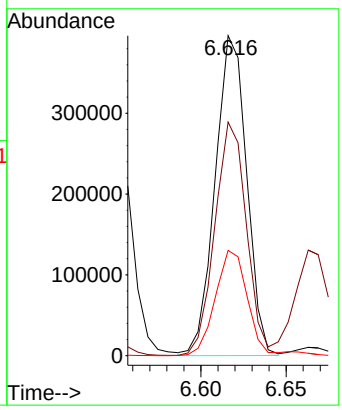


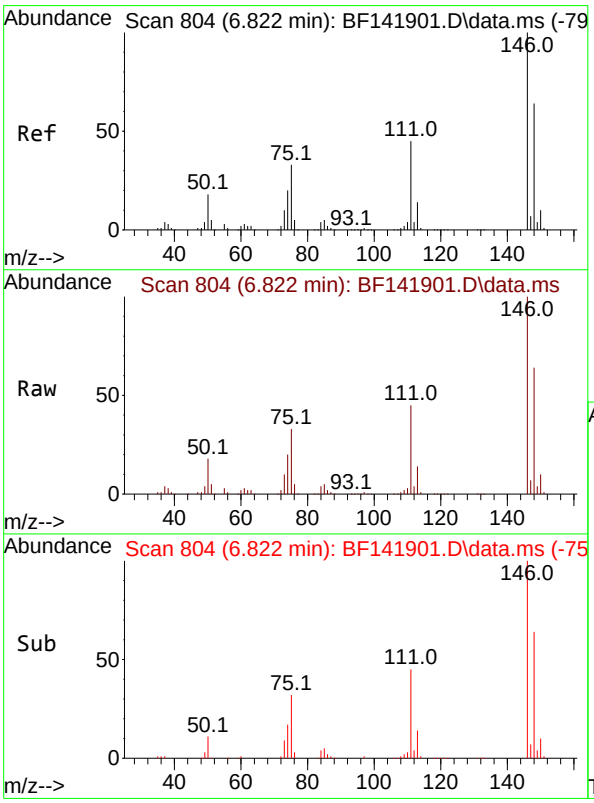
#11
bis(2-Chloroethyl)ether
Concen: 37.932 ng
RT: 6.616 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 510214

Ion	Ratio	Lower	Upper
93	100		
63	73.0	53.0	93.0
95	32.9	12.9	52.9

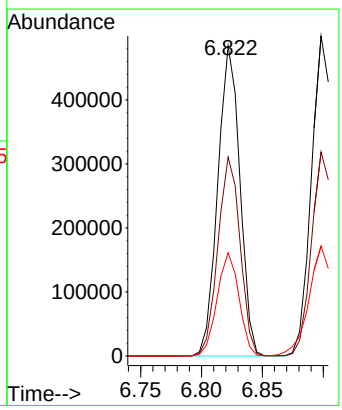


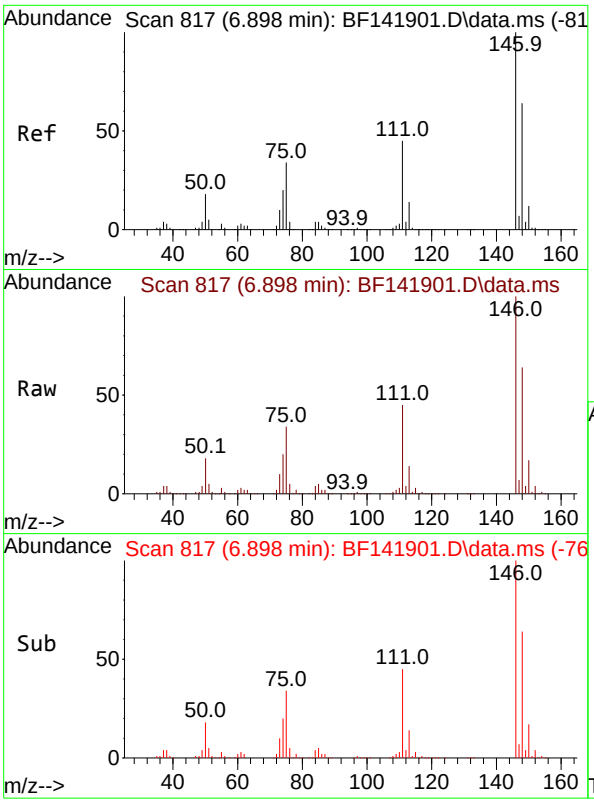


#12
1,3-Dichlorobenzene
Concen: 38.242 ng
RT: 6.822 min Scan# 804
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:146 Resp: 611938

Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.3	76.9
75	33.3	26.6	40.0



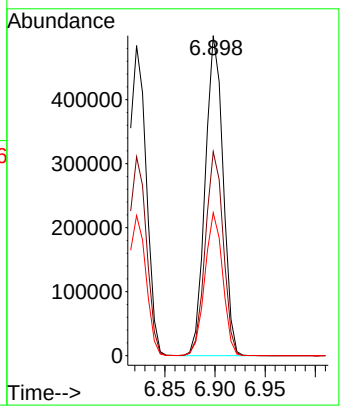


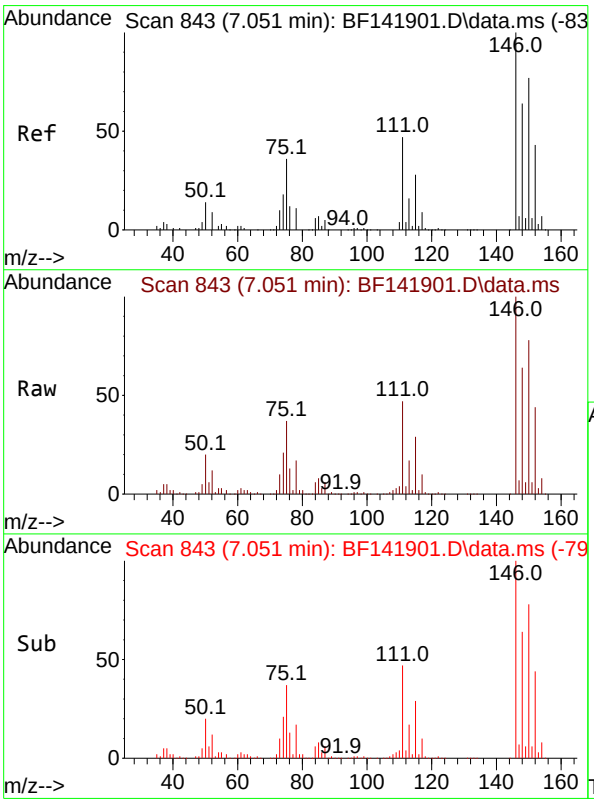
#13
1,4-Dichlorobenzene
Concen: 38.355 ng
RT: 6.898 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:146 Resp: 620951

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.0	76.6
111	44.6	35.7	53.5

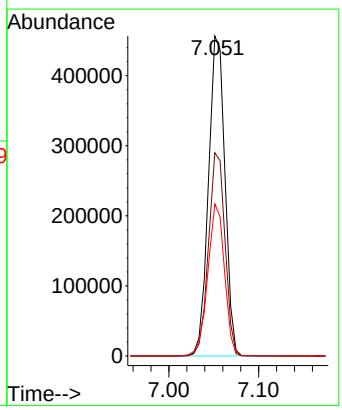


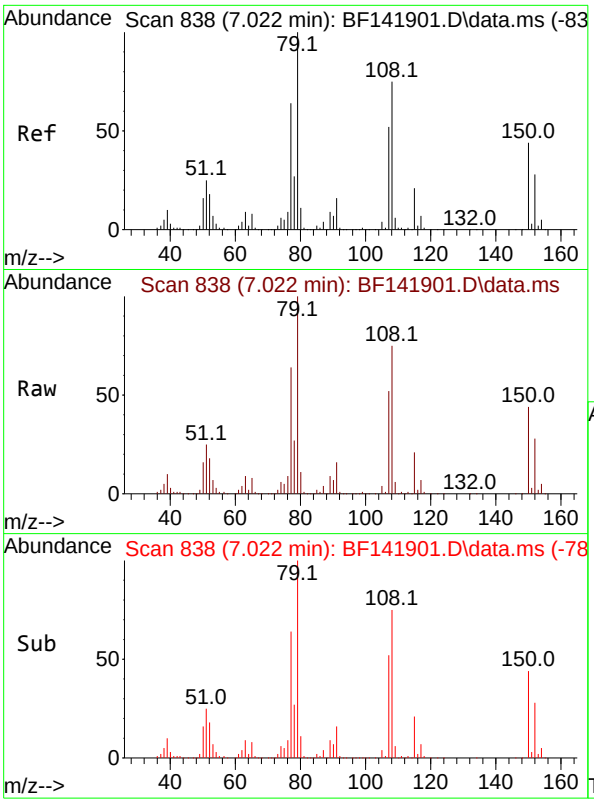


#14
1,2-Dichlorobenzene
Concen: 38.111 ng
RT: 7.051 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:146 Resp: 581043

Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.8	76.2
111	47.5	38.0	57.0



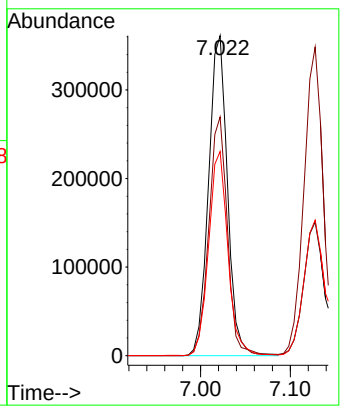


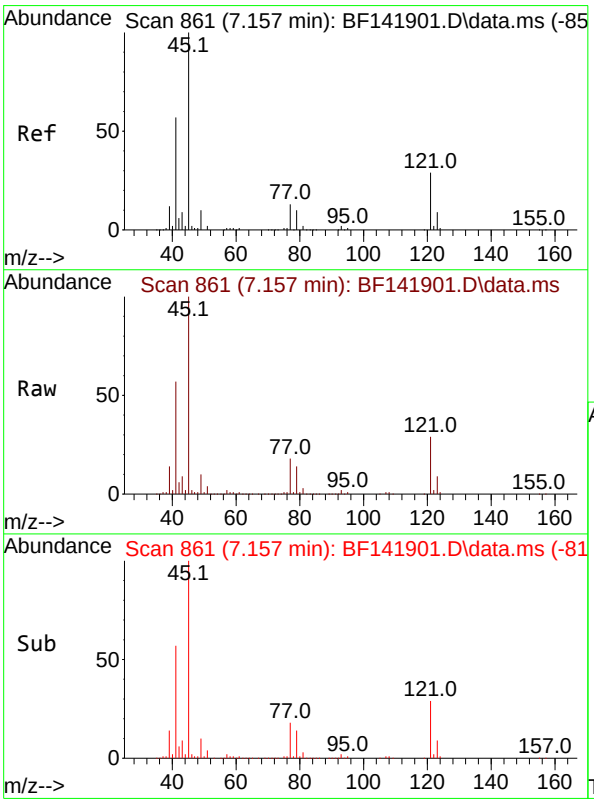
#15
Benzyl Alcohol
Concen: 38.371 ng
RT: 7.022 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 528444

Ion	Ratio	Lower	Upper
79	100		
108	74.6	59.7	89.5
77	63.8	51.0	76.6

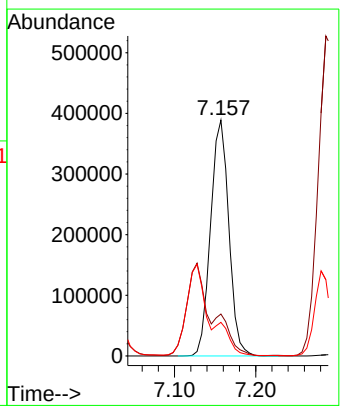


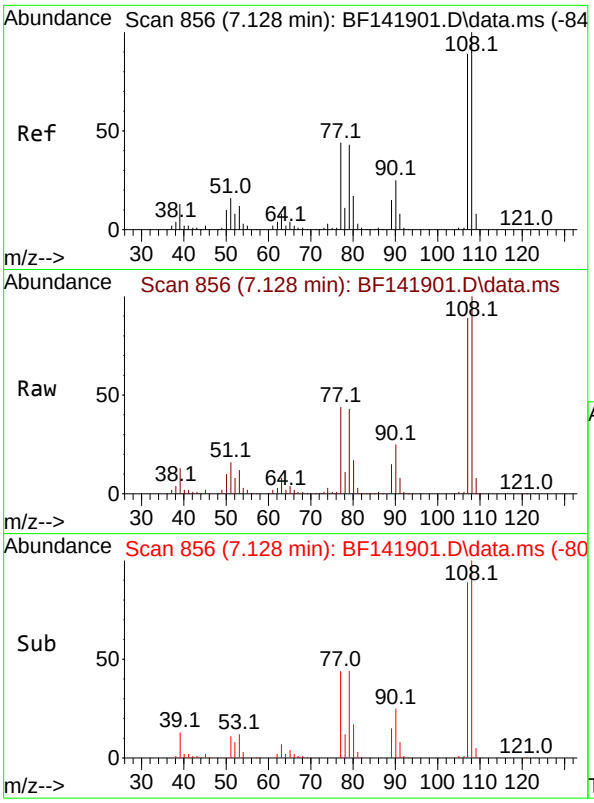


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.476 ng
RT: 7.157 min Scan# 861
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion: 45 Resp: 607522

Ion	Ratio	Lower	Upper
45	100		
77	17.8	0.0	37.8
79	14.2	0.0	34.2



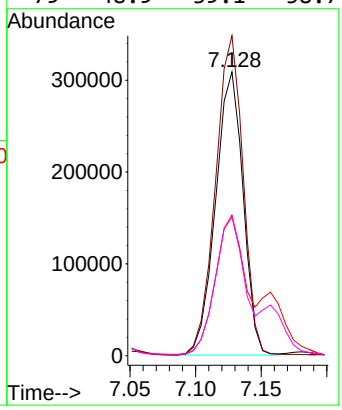


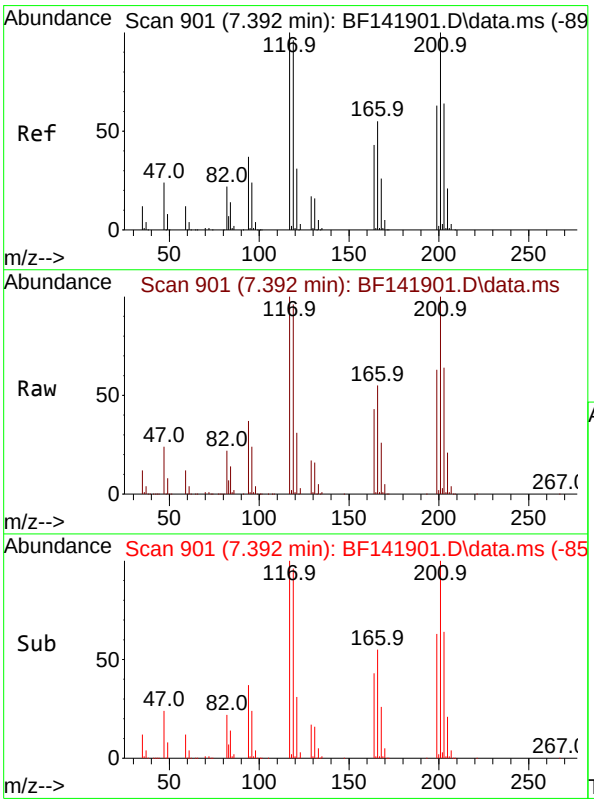
#17
2-Methylphenol
Concen: 38.190 ng
RT: 7.128 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:107 Resp: 449433

Ion	Ratio	Lower	Upper
107	100		
108	112.7	90.2	135.2
77	49.5	39.6	59.4
79	48.9	39.1	58.7

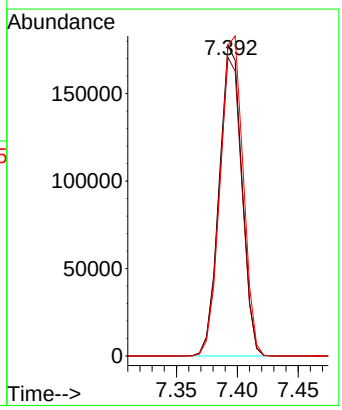


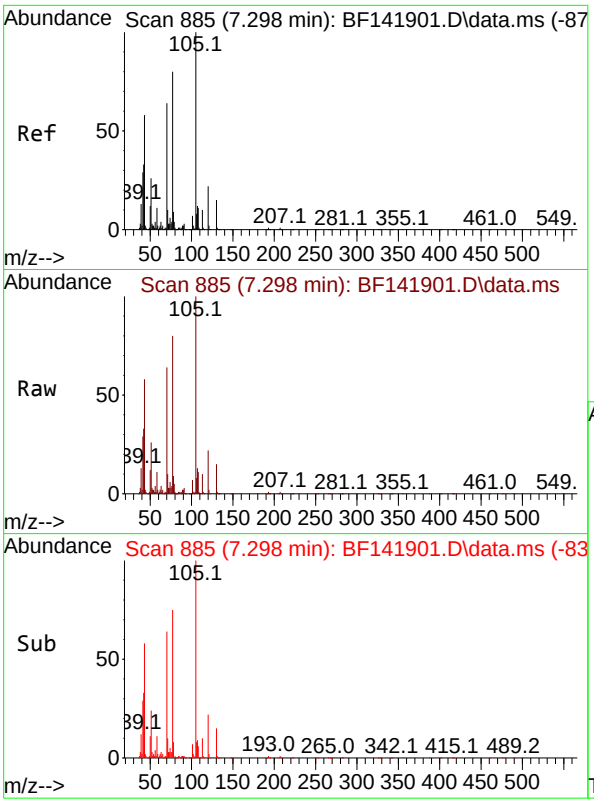


#18
Hexachloroethane
Concen: 37.993 ng
RT: 7.392 min Scan# 901
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:117 Resp: 230613

Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.9	115.3
201	99.9	79.9	119.9



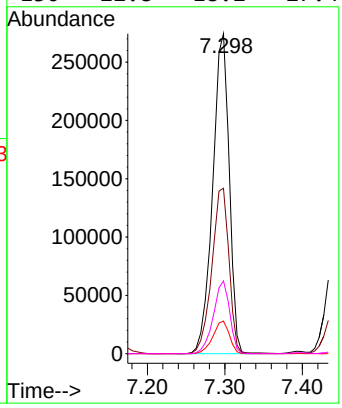


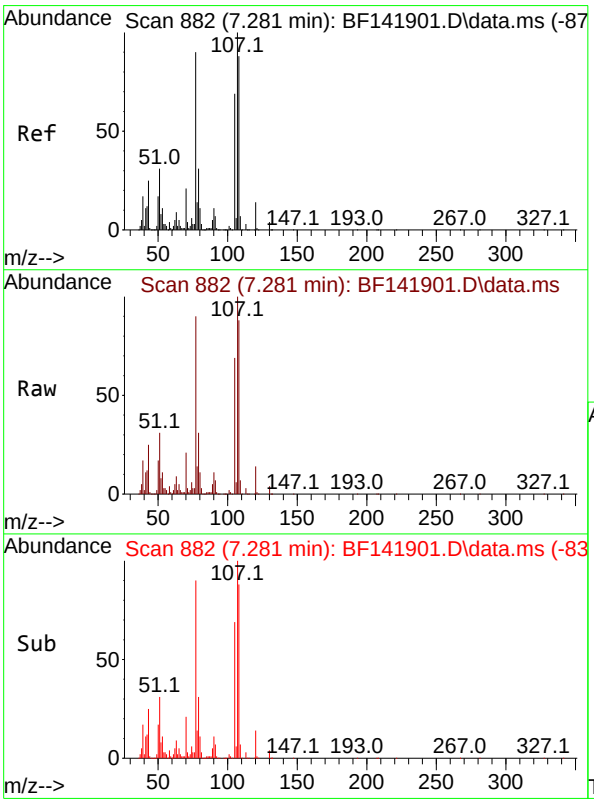
#19
n-Nitroso-di-n-propylamine
Concen: 37.223 ng
RT: 7.298 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 407069

Ion	Ratio	Lower	Upper
70	100		
42	51.7	41.4	62.0
101	10.2	8.2	12.2
130	22.8	18.2	27.4

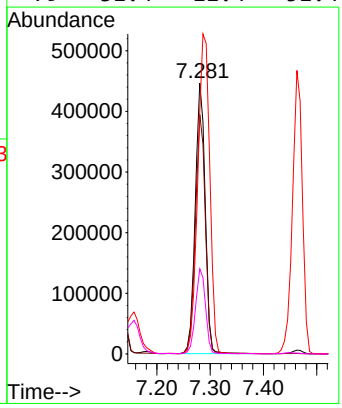


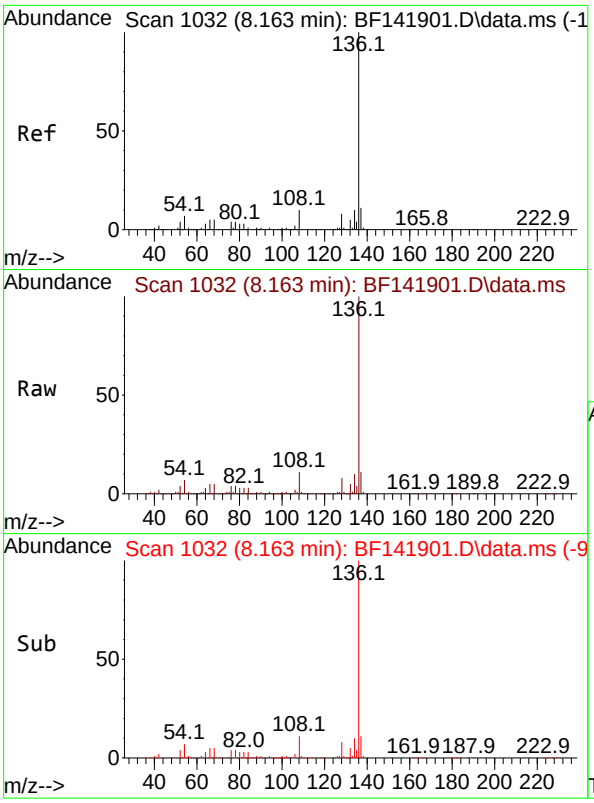


#20
3+4-Methylphenols
Concen: 38.219 ng
RT: 7.281 min Scan# 882
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:107 Resp: 576902

Ion	Ratio	Lower	Upper
107	100		
108	88.4	68.4	108.4
77	89.7	69.7	109.7
79	31.4	11.4	51.4



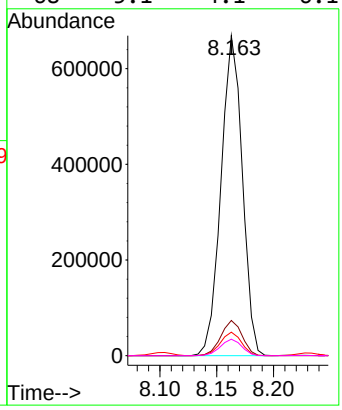


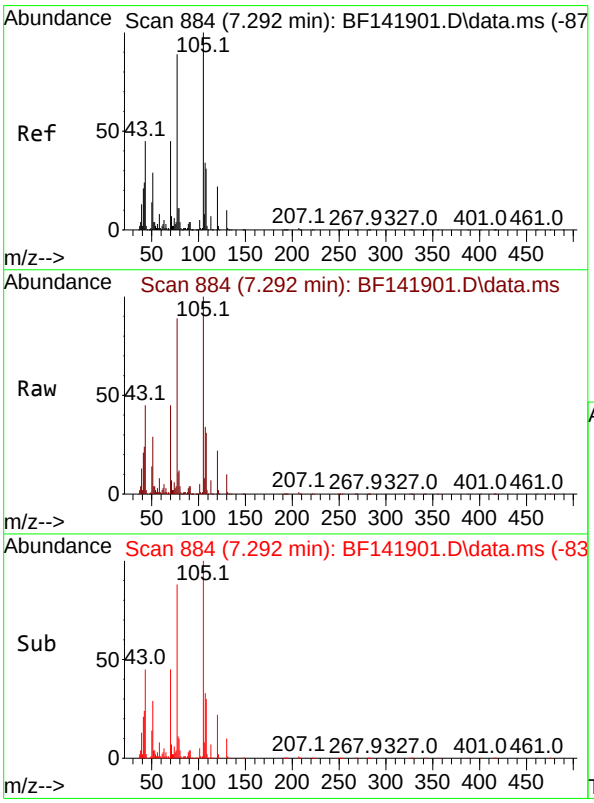
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:136 Resp: 874166

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.3	5.8	8.8
68	5.1	4.1	6.1

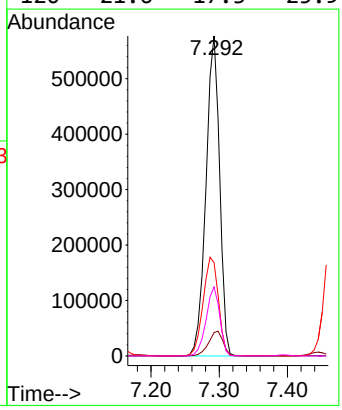


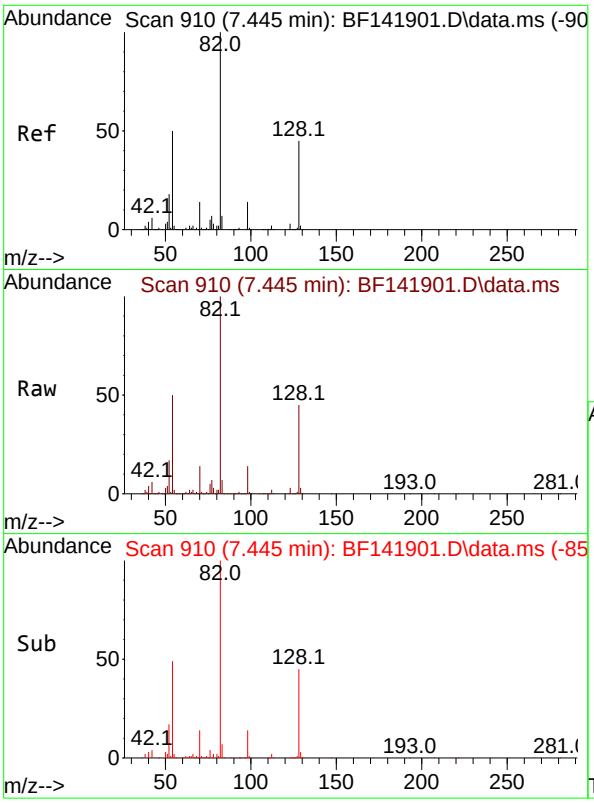


#22
Acetophenone
Concen: 38.376 ng
RT: 7.292 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:105 Resp: 804747

Ion	Ratio	Lower	Upper
105	100		
71	7.3	5.8	8.8
51	29.2	23.4	35.0
120	21.6	17.3	25.9



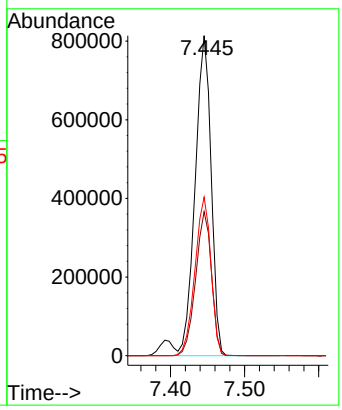


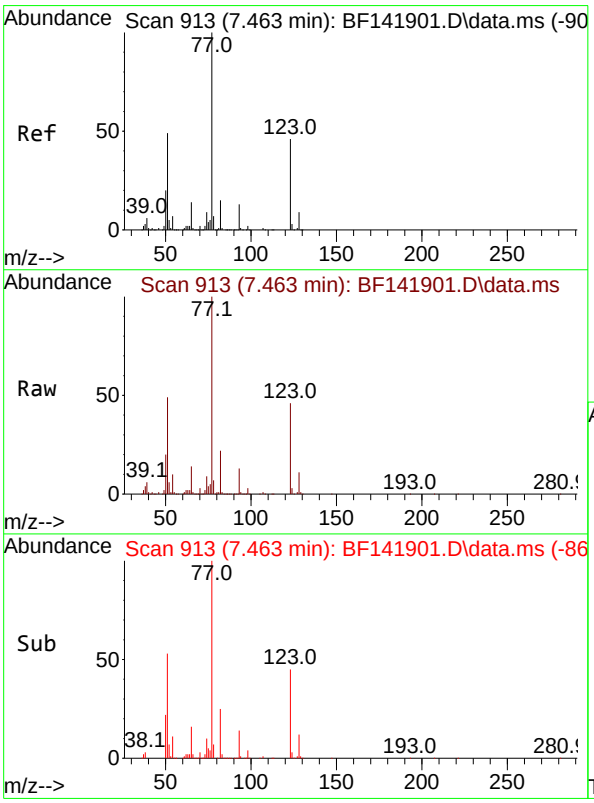
#23
Nitrobenzene-d5
Concen: 77.983 ng
RT: 7.445 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 1216280

Ion	Ratio	Lower	Upper
82	100		
128	45.0	36.0	54.0
54	49.5	39.6	59.4

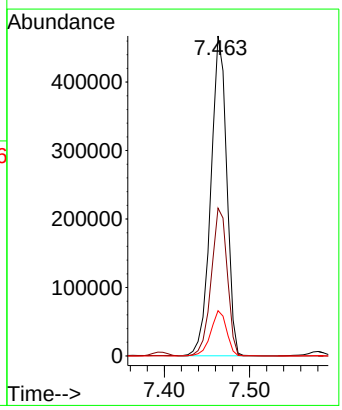


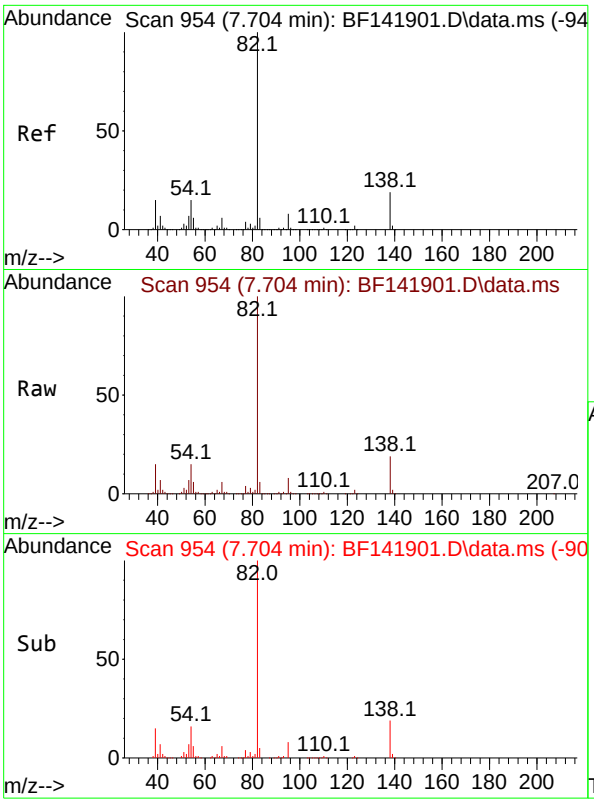


#24
Nitrobenzene
Concen: 39.106 ng
RT: 7.463 min Scan# 913
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion: 77 Resp: 604738

Ion	Ratio	Lower	Upper
77	100		
123	46.2	37.0	55.4
65	14.1	11.3	16.9



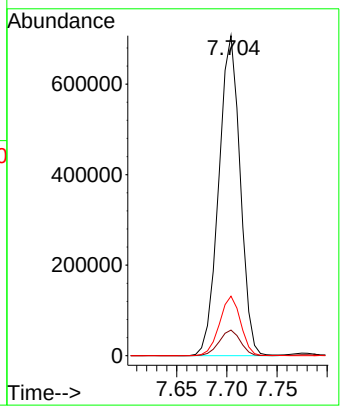


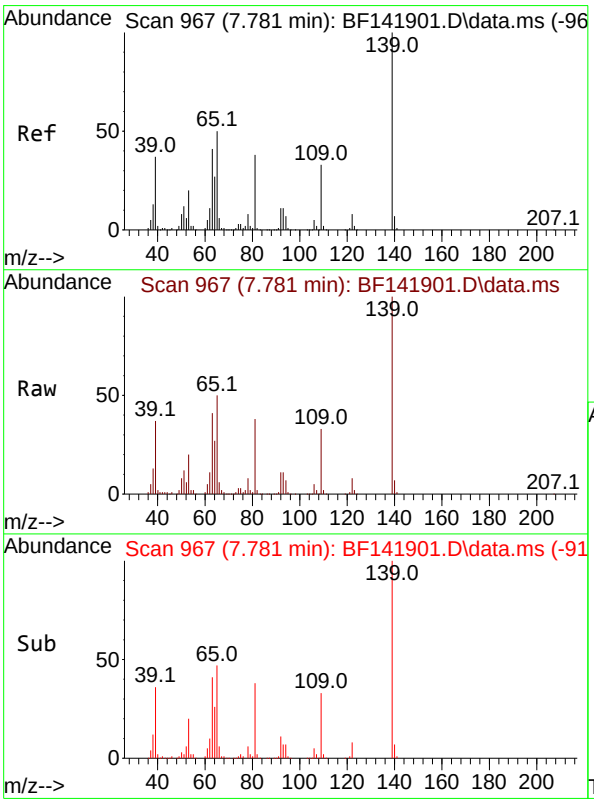
#25
Isophorone
Concen: 38.097 ng
RT: 7.704 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 1049049

Ion	Ratio	Lower	Upper
82	100		
95	8.0	6.4	9.6
138	18.6	14.9	22.3

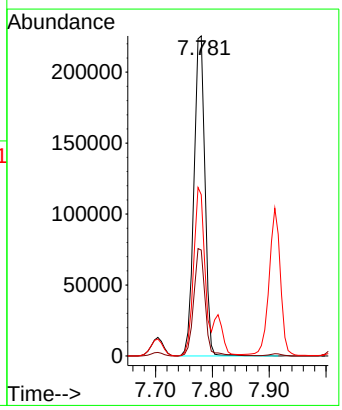


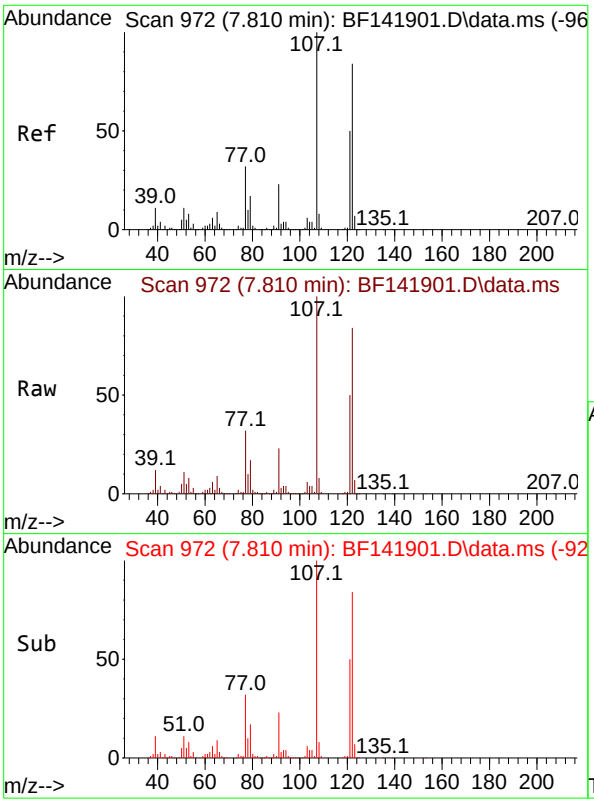


#26
2-Nitrophenol
Concen: 40.295 ng
RT: 7.781 min Scan# 967
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:139 Resp: 305349

Ion	Ratio	Lower	Upper
139	100		
109	33.1	26.5	39.7
65	50.4	40.3	60.5



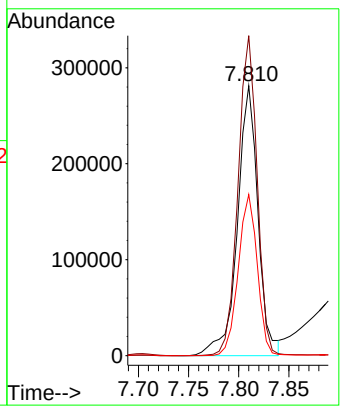


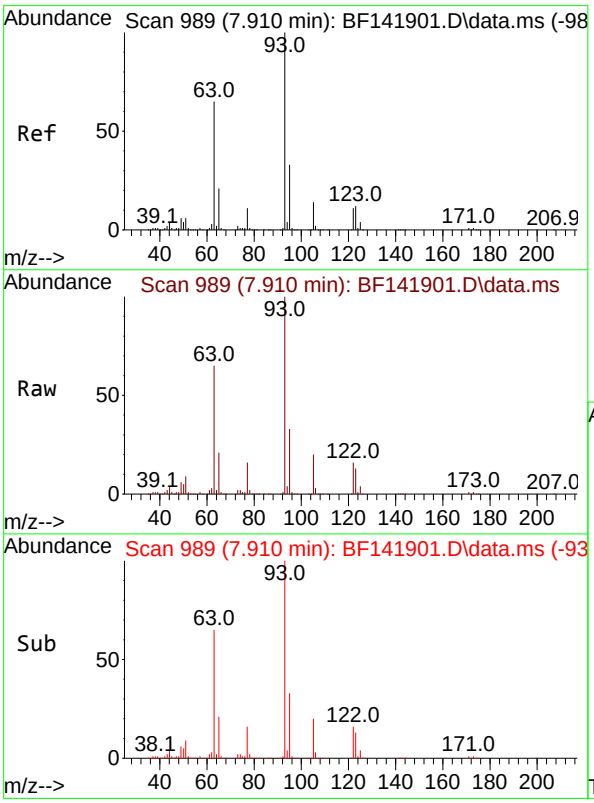
#27
2,4-Dimethylphenol
Concen: 38.671 ng
RT: 7.810 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:122 Resp: 403621

Ion	Ratio	Lower	Upper
122	100		
107	118.5	94.8	142.2
121	59.7	47.8	71.6

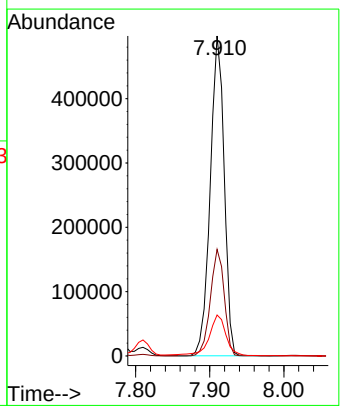


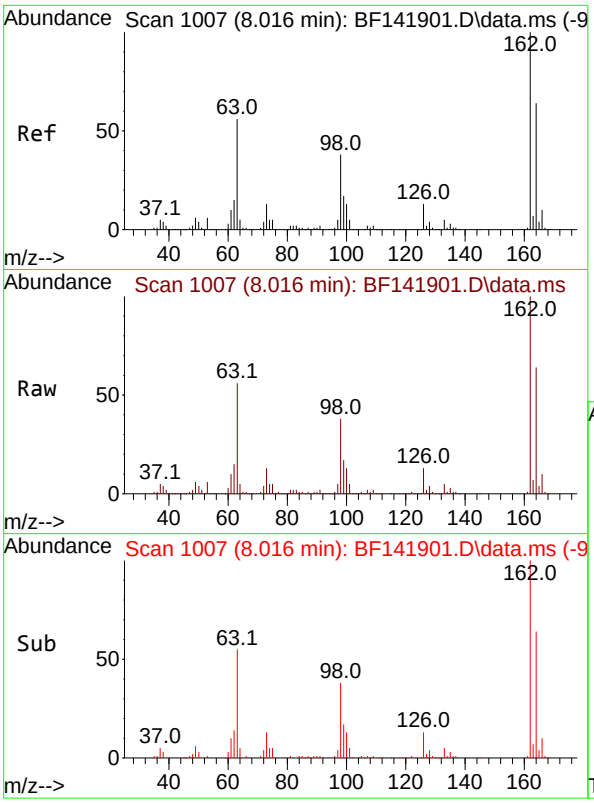


#28
bis(2-Chloroethoxy)methane
Concen: 37.702 ng
RT: 7.910 min Scan# 989
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion: 93 Resp: 650344

Ion	Ratio	Lower	Upper
93	100		
95	33.3	26.6	40.0
123	12.8	10.2	15.4



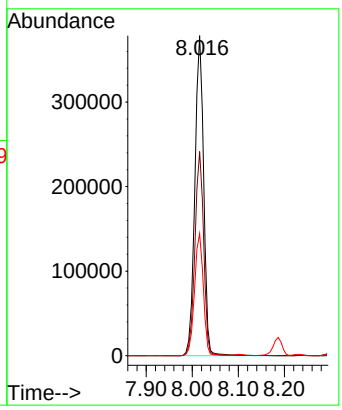


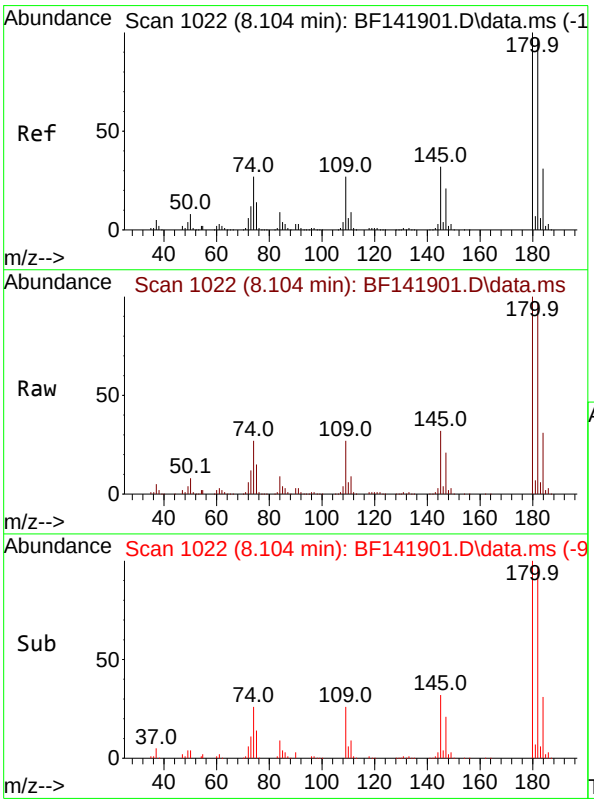
#29
2,4-Dichlorophenol
Concen: 38.619 ng
RT: 8.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 500239

Ion	Ratio	Lower	Upper
162	100		
164	63.8	43.8	83.8
98	38.1	18.1	58.1

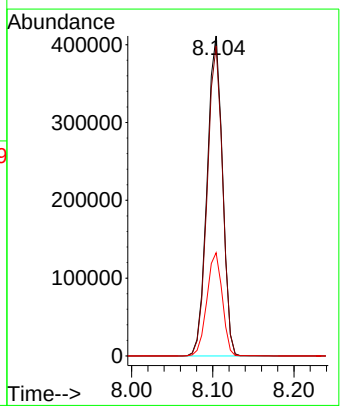


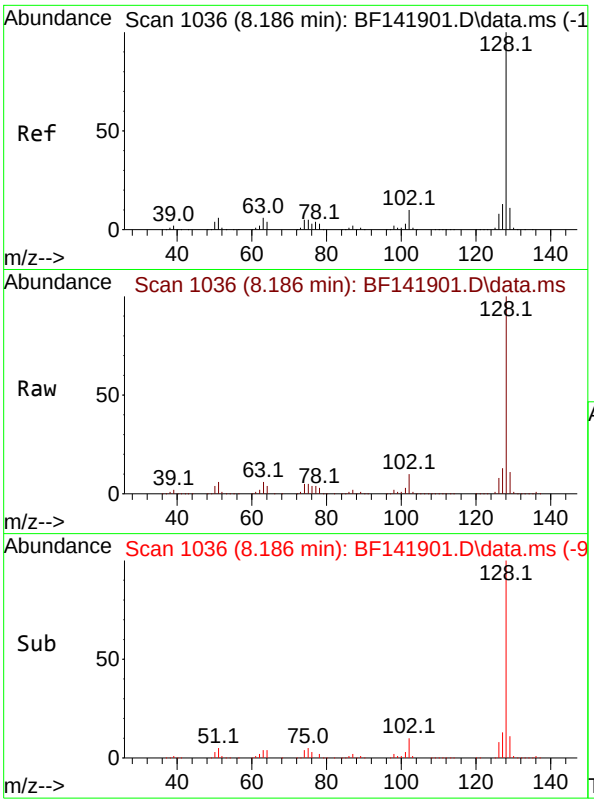


#30
1,2,4-Trichlorobenzene
Concen: 37.870 ng
RT: 8.104 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:180 Resp: 541182

Ion	Ratio	Lower	Upper
180	100		
182	96.9	77.5	116.3
145	32.2	25.8	38.6



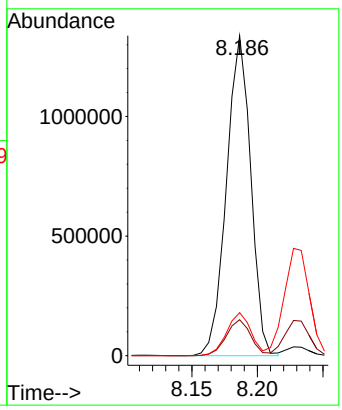


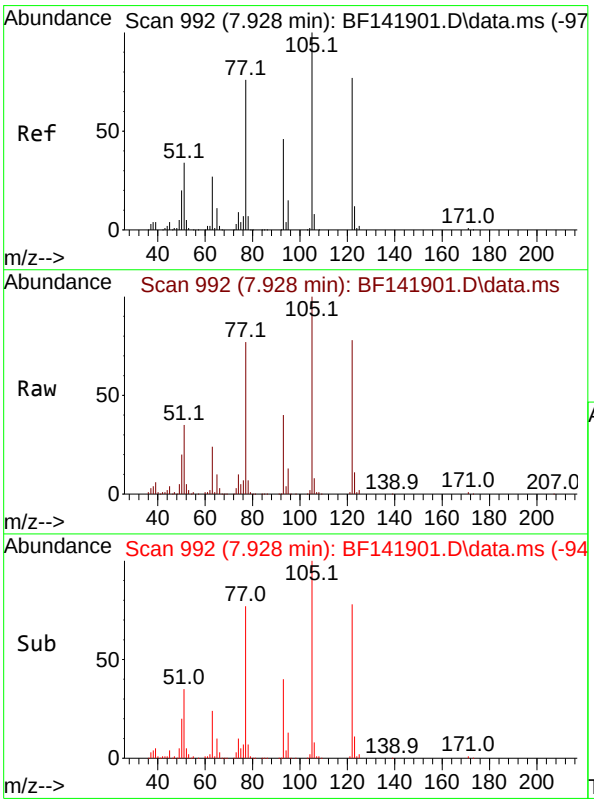
#31
Naphthalene
Concen: 38.400 ng
RT: 8.186 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:128 Resp: 1719643

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.6
127	13.5	10.8	16.2

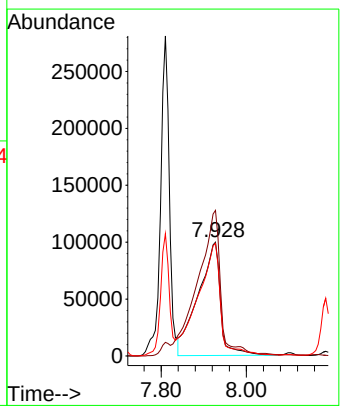


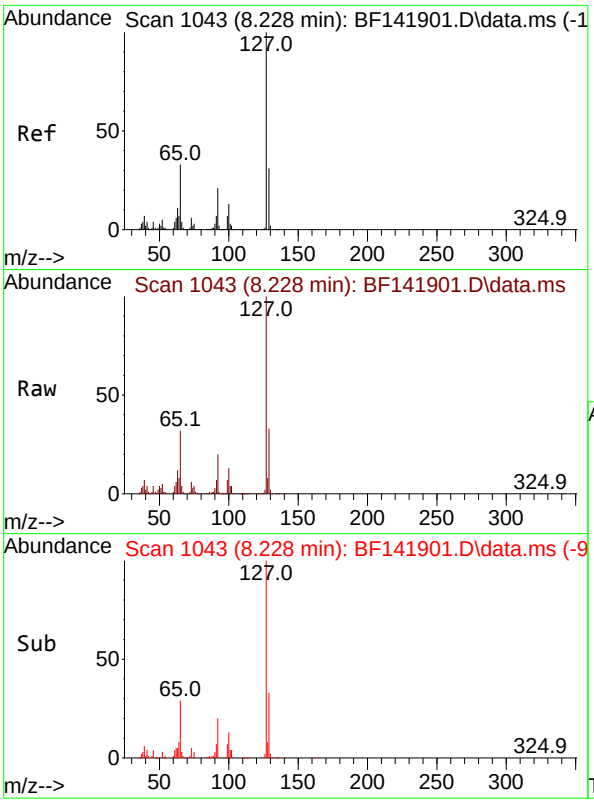


#32
Benzoic acid
Concen: 39.827 ng
RT: 7.928 min Scan# 992
Delta R.T. -0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:122 Resp: 363328

Ion	Ratio	Lower	Upper
122	100		
105	127.9	107.9	147.9
77	99.0	79.0	119.0



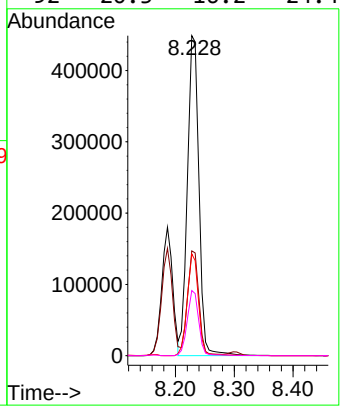


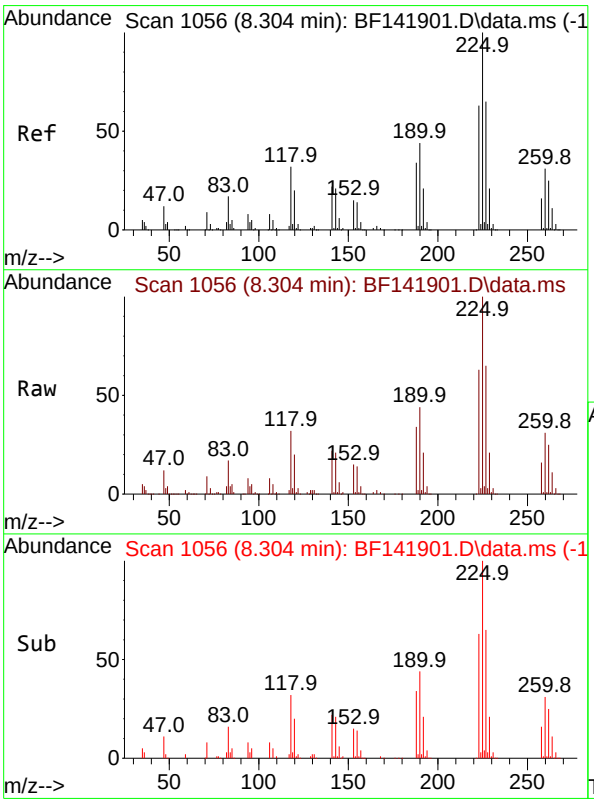
#33
4-Chloroaniline
Concen: 38.824 ng
RT: 8.228 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:127 Resp: 613535

Ion	Ratio	Lower	Upper
127	100		
129	32.8	26.2	39.4
65	31.8	25.4	38.2
92	20.3	16.2	24.4

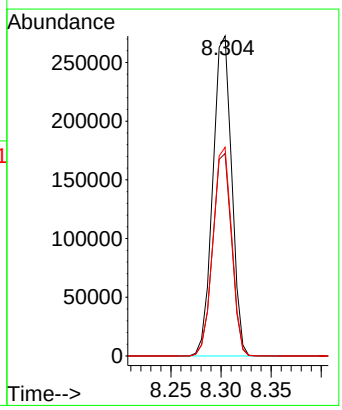


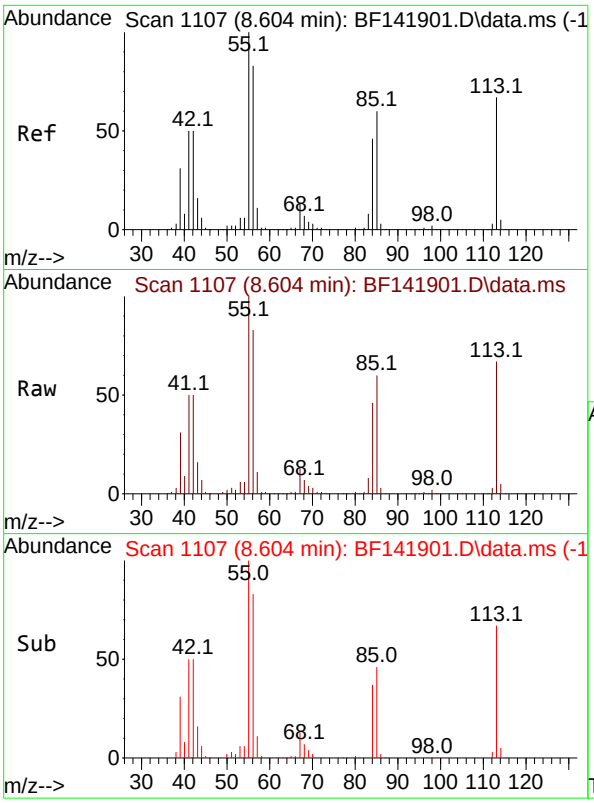


#34
Hexachlorobutadiene
Concen: 38.285 ng
RT: 8.304 min Scan# 1056
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:225 Resp: 355740

Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.6	75.8
227	65.2	52.2	78.2



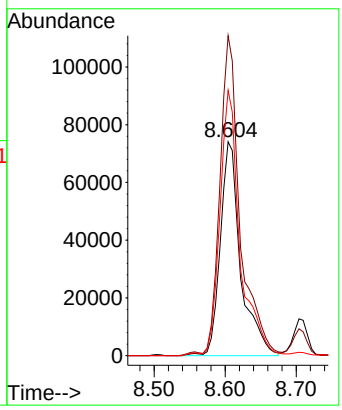


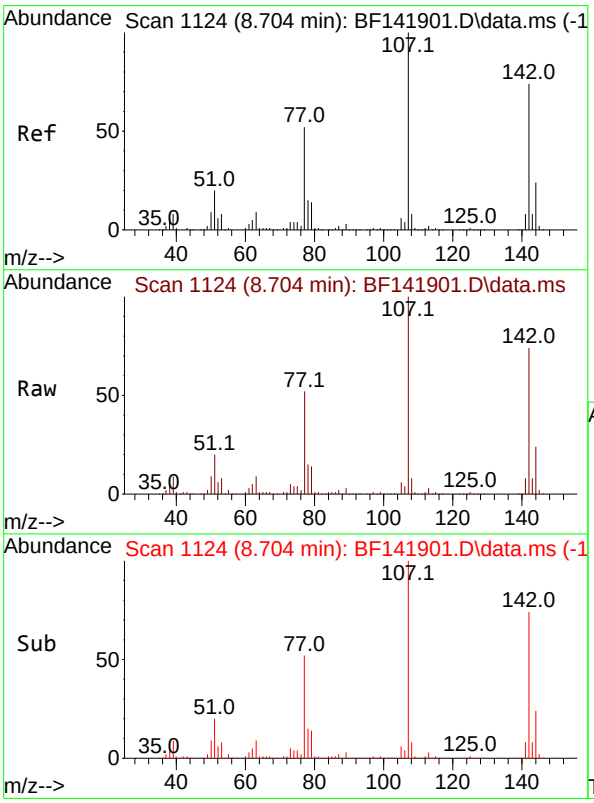
#35
Caprolactam
Concen: 37.335 ng
RT: 8.604 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:113 Resp: 147056

Ion	Ratio	Lower	Upper
113	100		
55	149.6	129.6	169.6
56	124.0	104.0	144.0

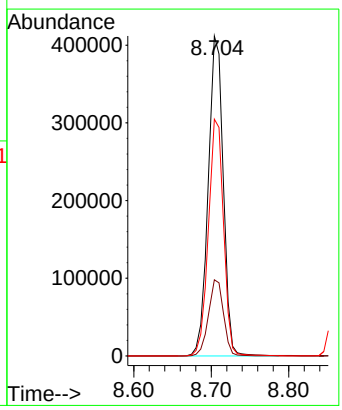


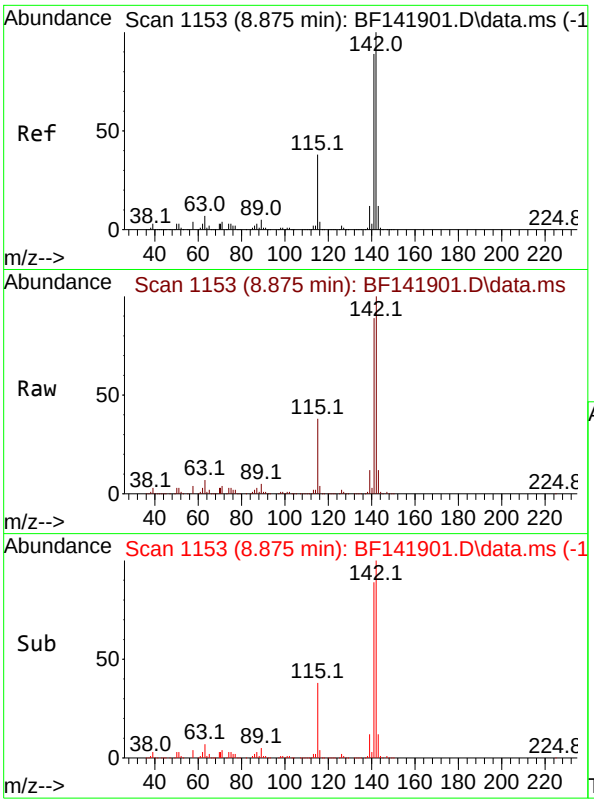


#36
4-Chloro-3-methylphenol
Concen: 38.549 ng
RT: 8.704 min Scan# 1124
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:107 Resp: 555328

Ion	Ratio	Lower	Upper
107	100		
144	23.8	19.0	28.6
142	74.0	59.2	88.8



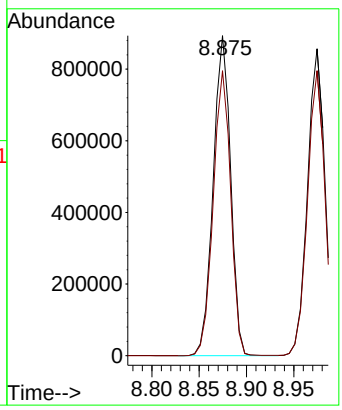


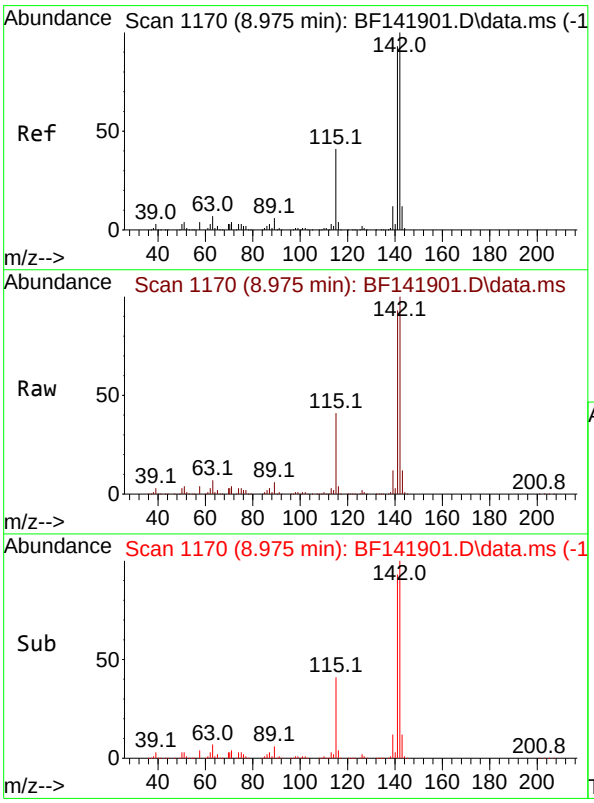
#37
2-Methylnaphthalene
Concen: 37.983 ng
RT: 8.875 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 1141228

Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.2	106.8

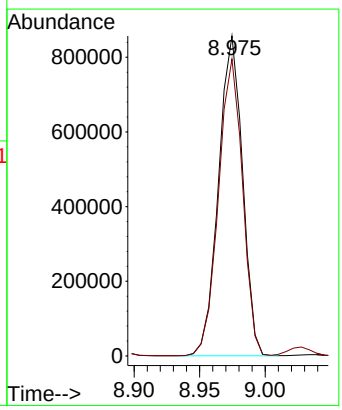


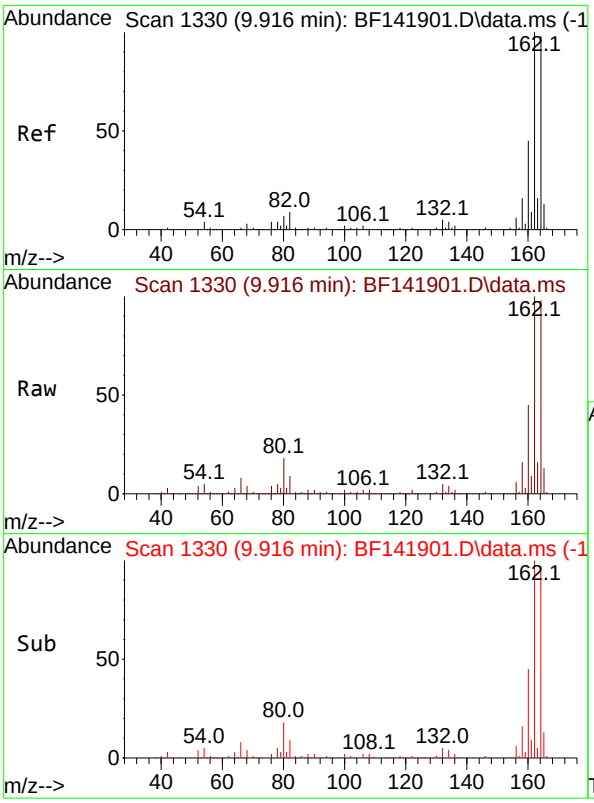


#38
1-Methylnaphthalene
Concen: 37.447 ng
RT: 8.975 min Scan# 1170
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:142 Resp: 1089576

Ion	Ratio	Lower	Upper
142	100		
141	92.8	74.2	111.4



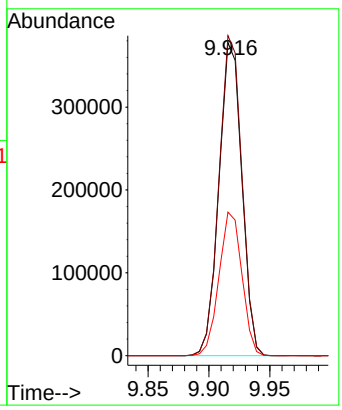


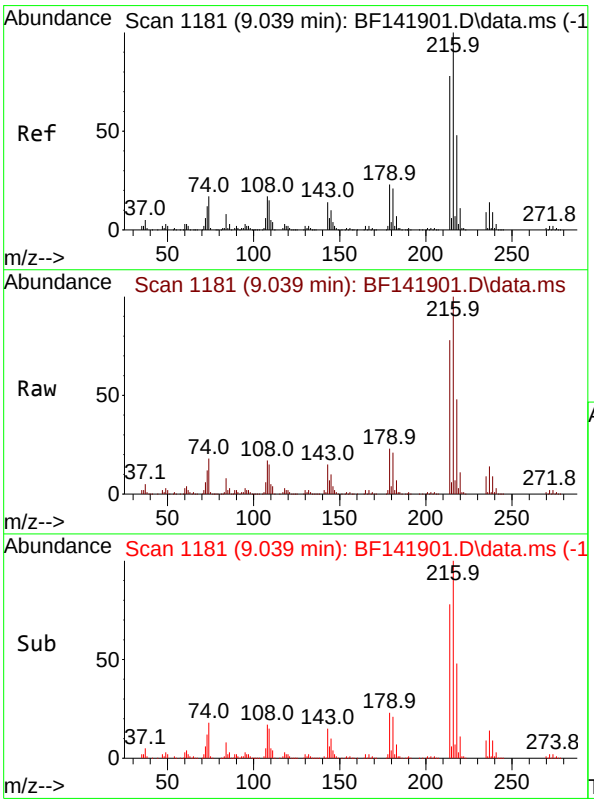
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:164 Resp: 493744

Ion	Ratio	Lower	Upper
164	100		
162	102.2	81.8	122.6
160	45.9	36.7	55.1

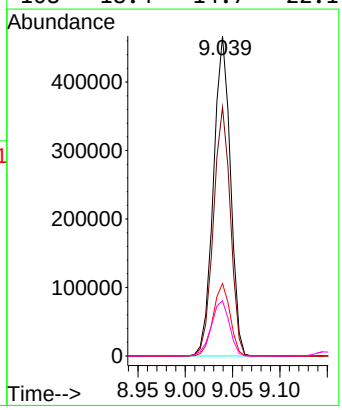


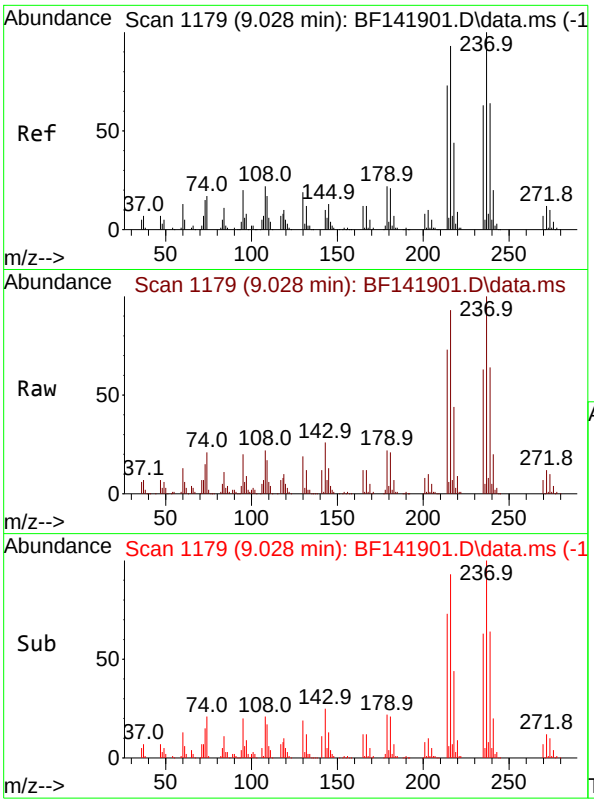


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.814 ng
RT: 9.039 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:216 Resp: 584322

Ion	Ratio	Lower	Upper
216	100		
214	77.4	61.9	92.9
179	22.6	18.1	27.1
108	18.4	14.7	22.1



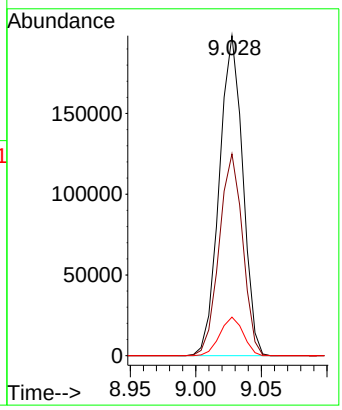


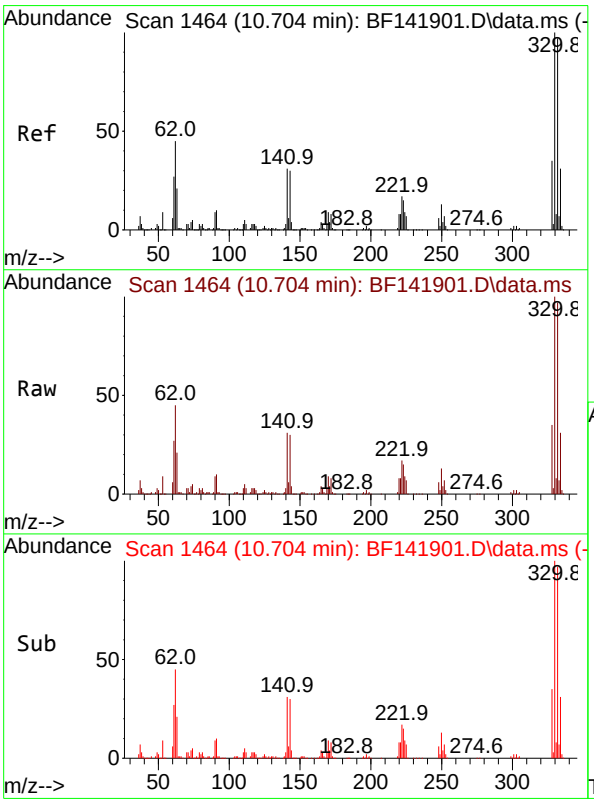
#41
Hexachlorocyclopentadiene
Concen: 41.523 ng
RT: 9.028 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 246666

Ion	Ratio	Lower	Upper
237	100		
235	63.1	43.1	83.1
272	12.0	0.0	32.0

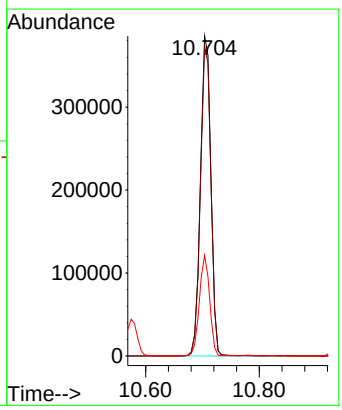


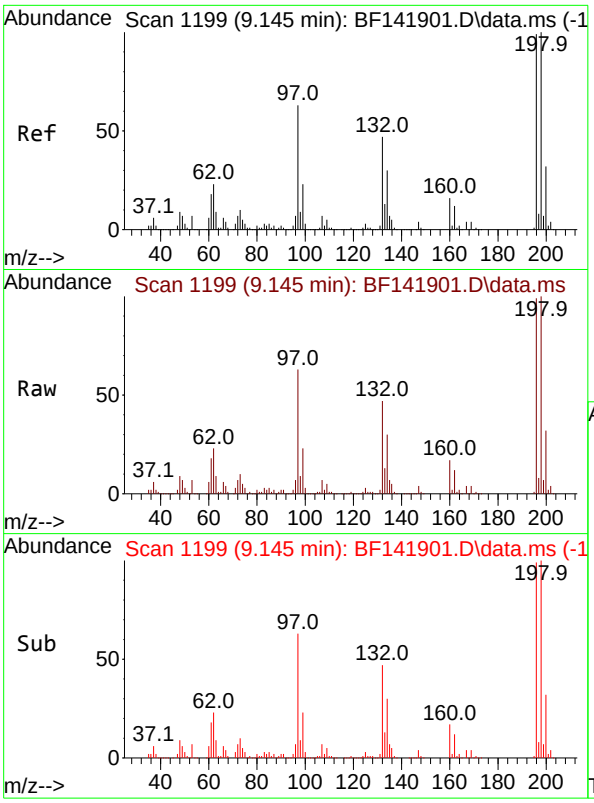


#42
2,4,6-Tribromophenol
Concen: 78.949 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:330 Resp: 493945

Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.6	116.4
141	30.9	24.7	37.1



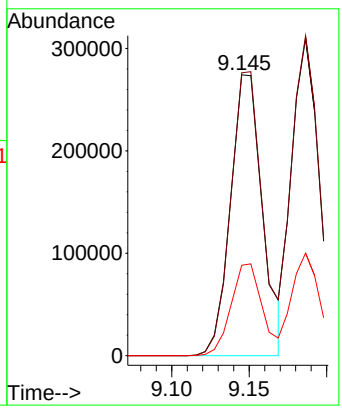


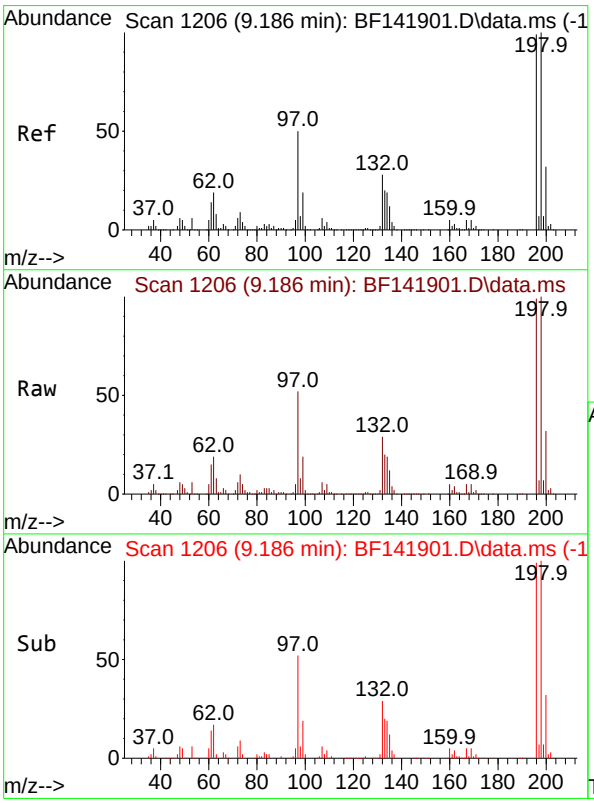
#43
2,4,6-Trichlorophenol
Concen: 40.014 ng
RT: 9.145 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:196 Resp: 392696

Ion	Ratio	Lower	Upper
196	100		
198	100.8	80.6	121.0
200	32.2	25.8	38.6

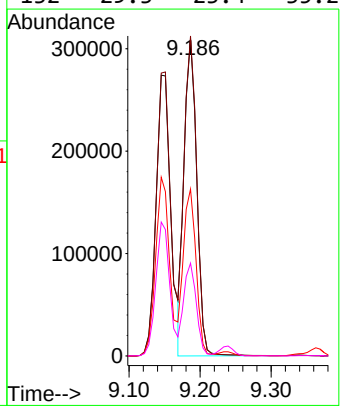


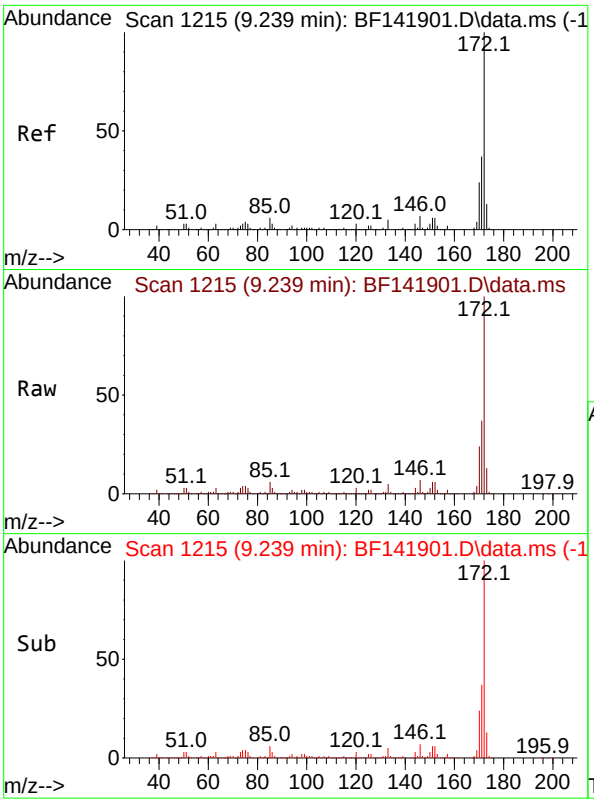


#44
2,4,5-Trichlorophenol
Concen: 38.566 ng
RT: 9.186 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:196 Resp: 384539

Ion	Ratio	Lower	Upper
196	100		
198	100.9	80.7	121.1
97	52.6	42.1	63.1
132	29.3	23.4	35.2



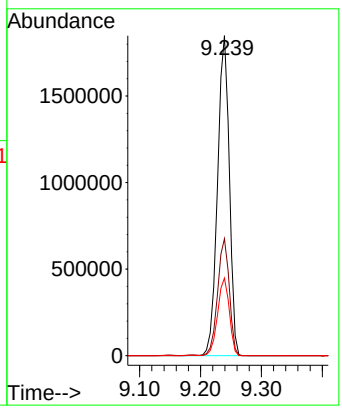


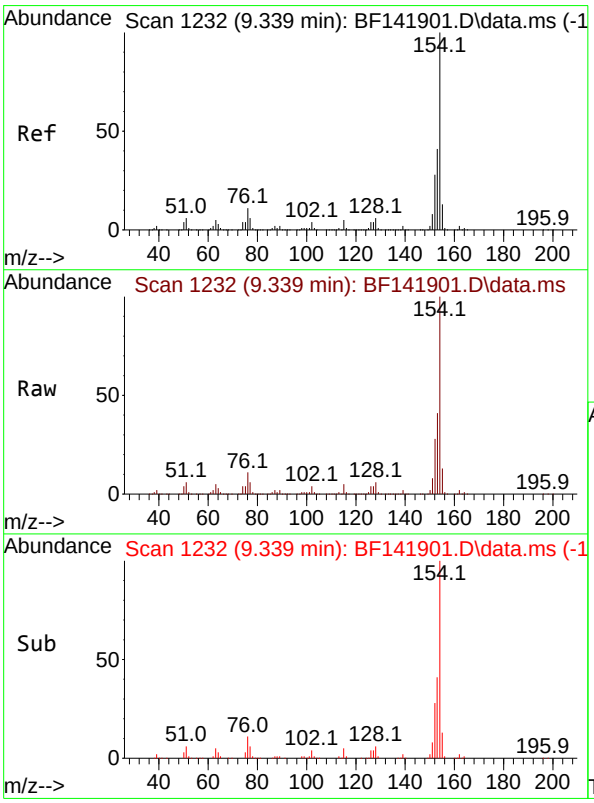
#45
2-Fluorobiphenyl
Concen: 76.357 ng
RT: 9.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:172 Resp: 2475837

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.3	43.9
170	24.2	19.4	29.0

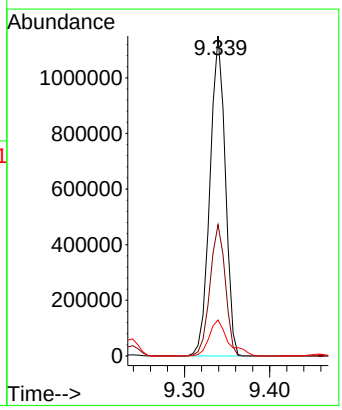


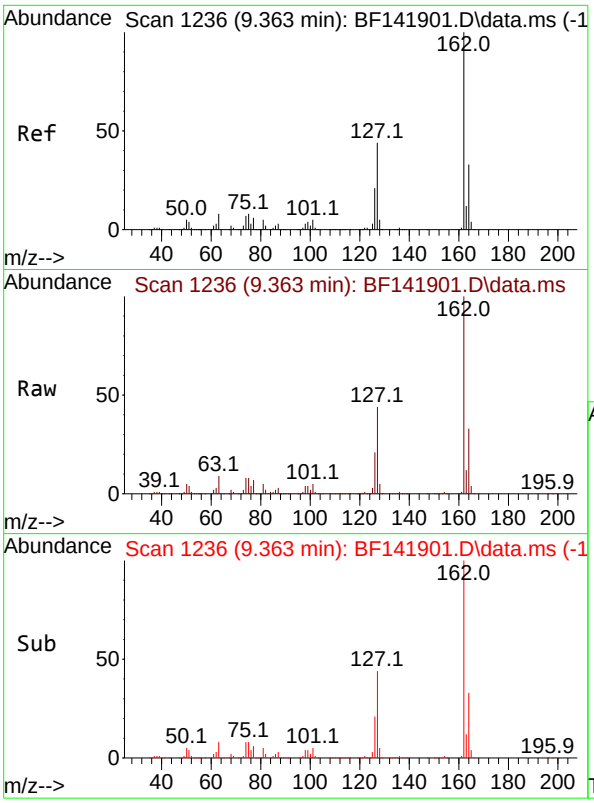


#46
1,1'-Biphenyl
Concen: 38.362 ng
RT: 9.339 min Scan# 1232
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:154 Resp: 1436040

Ion	Ratio	Lower	Upper
154	100		
153	41.1	21.1	61.1
76	11.3	0.0	31.3



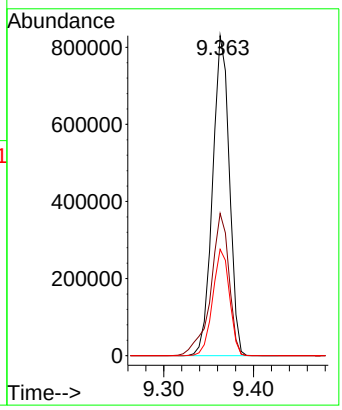


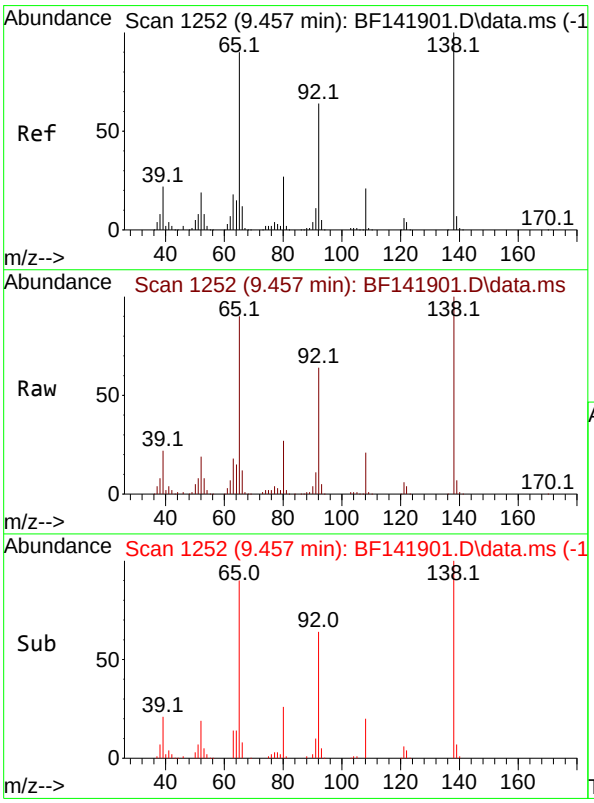
#47
2-Chloronaphthalene
Concen: 38.609 ng
RT: 9.363 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 1077099

Ion	Ratio	Lower	Upper
162	100		
127	44.4	35.5	53.3
164	33.3	26.6	40.0

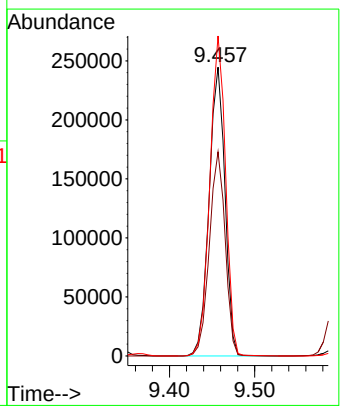


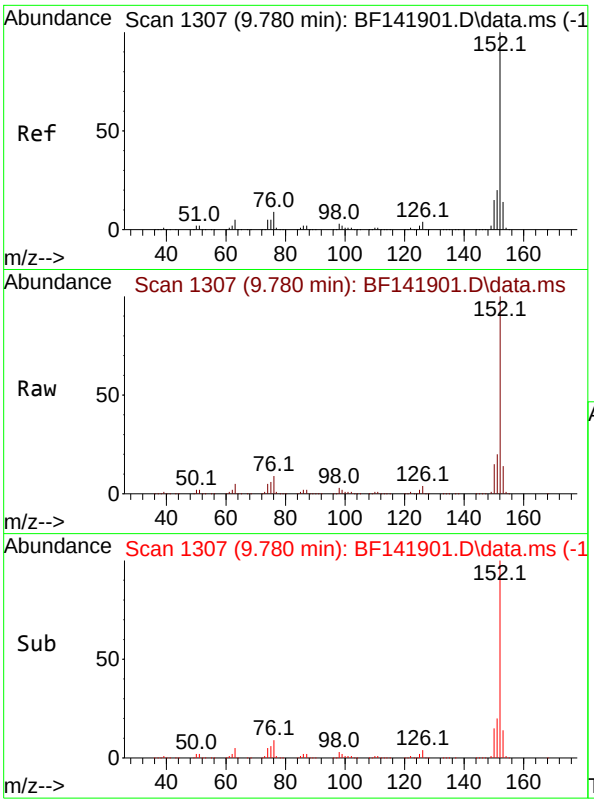


#48
2-Nitroaniline
Concen: 39.690 ng
RT: 9.457 min Scan# 1252
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion: 65 Resp: 318068

Ion	Ratio	Lower	Upper
65	100		
92	70.7	56.6	84.8
138	110.8	88.6	133.0



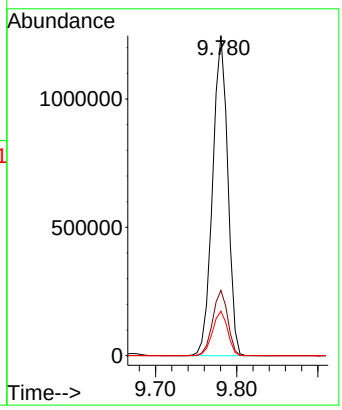


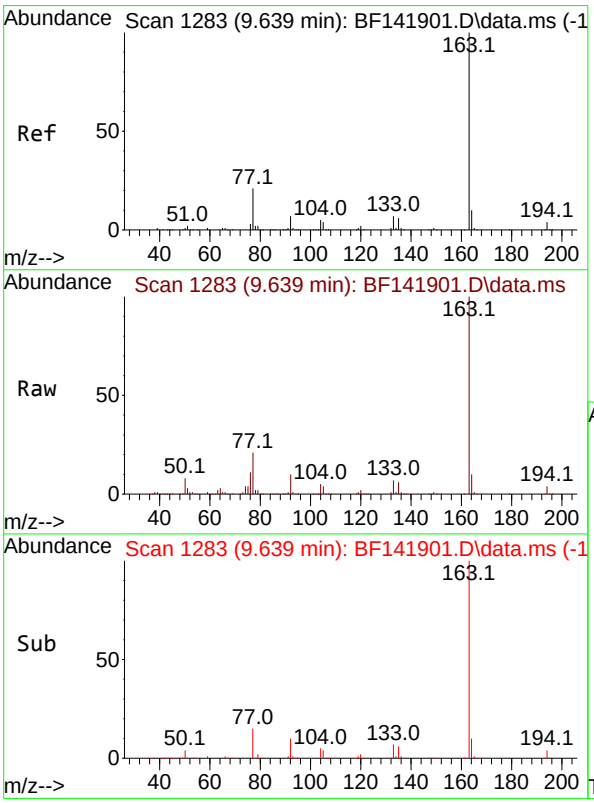
#49
Acenaphthylene
Concen: 39.029 ng
RT: 9.780 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 1614250

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.3	24.5
153	13.9	11.1	16.7

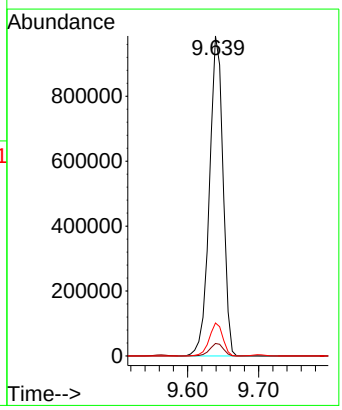


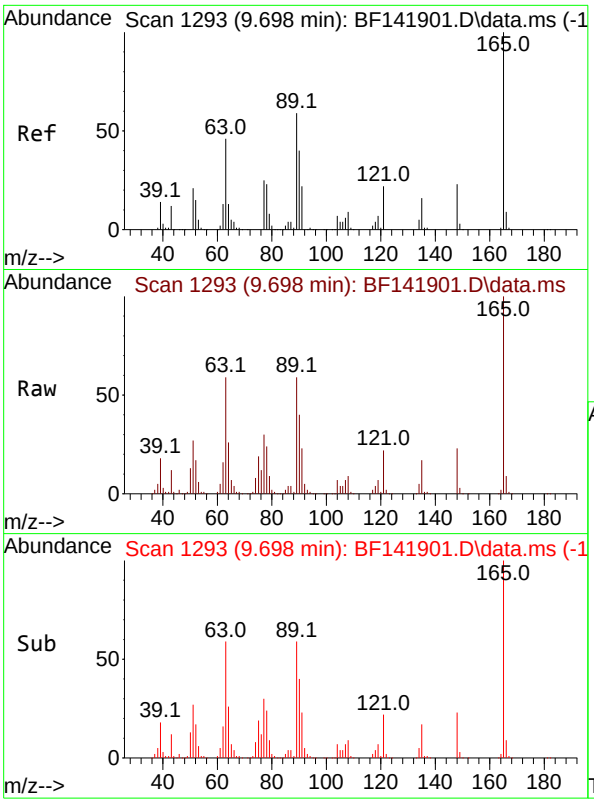


#50
Dimethylphthalate
Concen: 38.270 ng
RT: 9.639 min Scan# 1283
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:163 Resp: 1312856

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.3	8.2	12.4



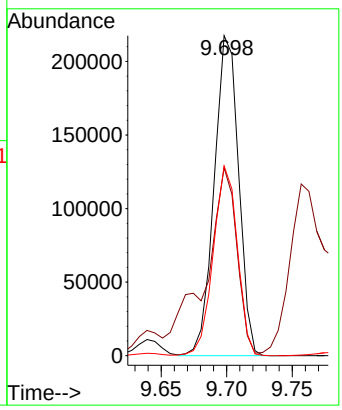


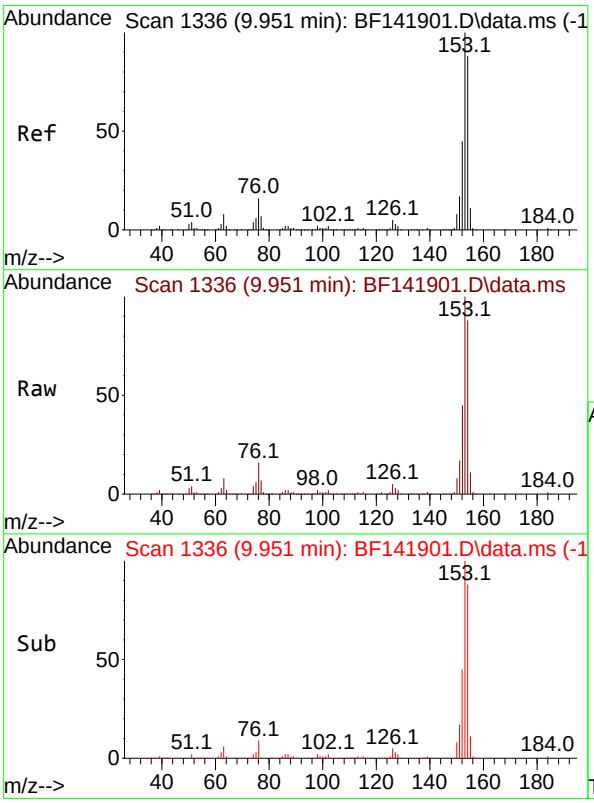
#51
2,6-Dinitrotoluene
Concen: 39.486 ng
RT: 9.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 281695

Ion	Ratio	Lower	Upper
165	100		
63	58.7	47.0	70.4
89	59.3	47.4	71.2

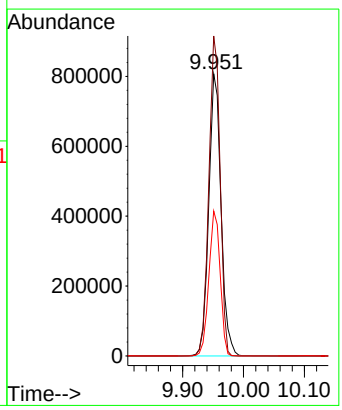


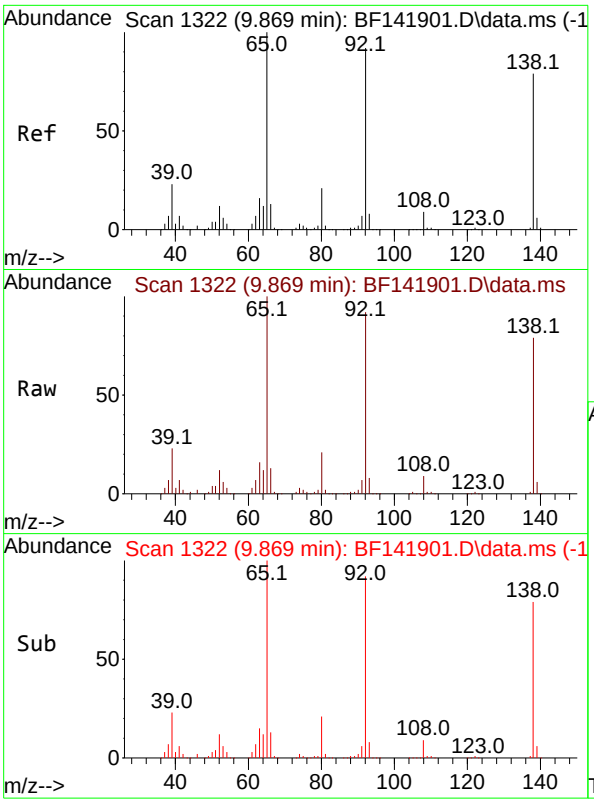


#52
Acenaphthene
Concen: 38.764 ng
RT: 9.951 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:154 Resp: 1132087

Ion	Ratio	Lower	Upper
154	100		
153	113.4	90.7	136.1
152	51.4	41.1	61.7



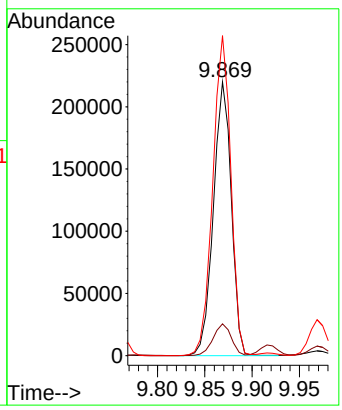


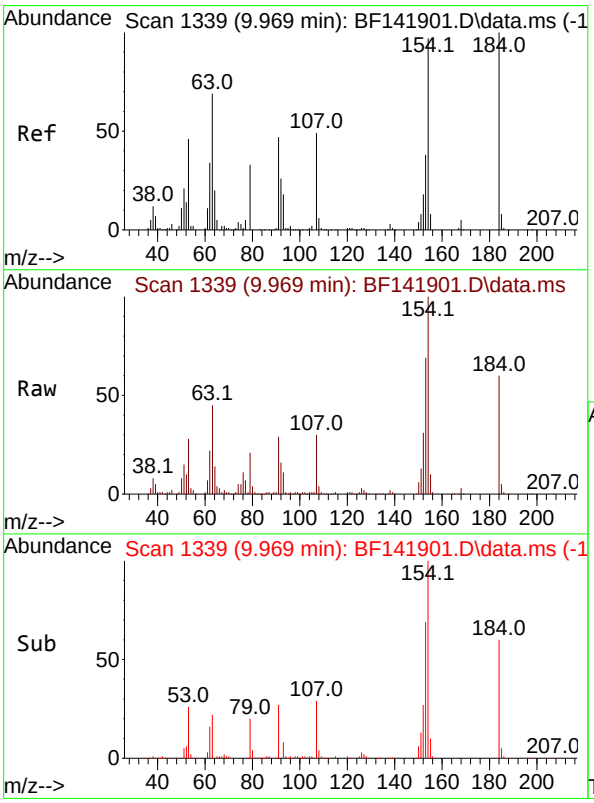
#53
3-Nitroaniline
Concen: 39.481 ng
RT: 9.869 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:138 Resp: 289208

Ion	Ratio	Lower	Upper
138	100		
108	11.6	9.3	13.9
92	116.9	93.5	140.3

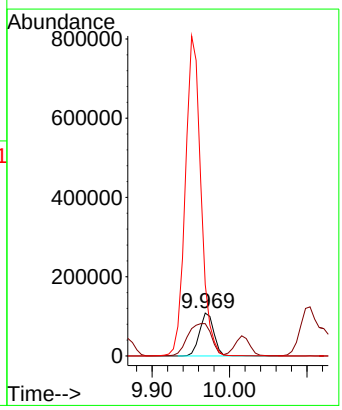


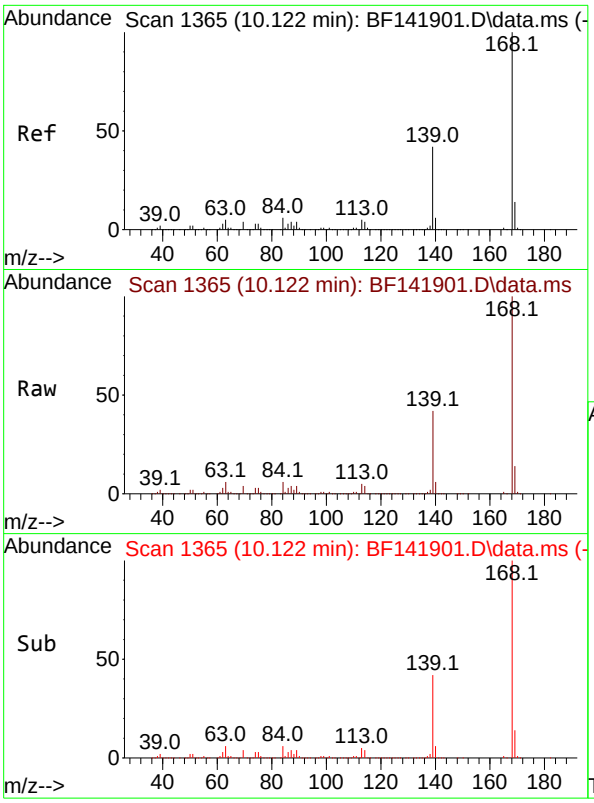


#54
2,4-Dinitrophenol
Concen: 38.116 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:184 Resp: 140024

Ion	Ratio	Lower	Upper
184	100		
63	75.3	60.2	90.4
154	166.1	132.9	199.3



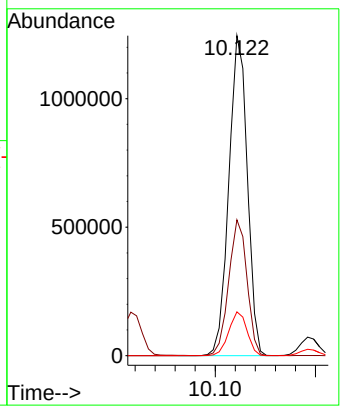


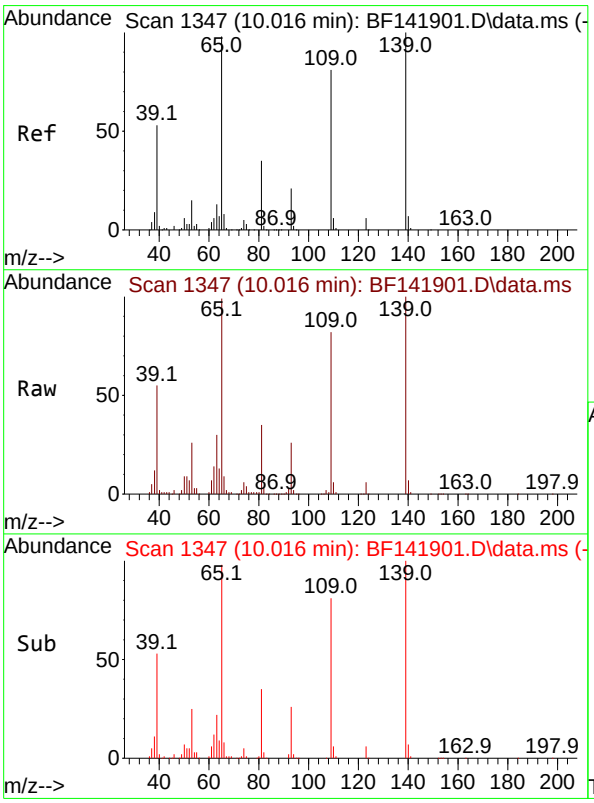
#55
Dibenzofuran
Concen: 38.266 ng
RT: 10.122 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:168 Resp: 1593454

Ion	Ratio	Lower	Upper
168	100		
139	42.4	33.9	50.9
169	13.7	11.0	16.4

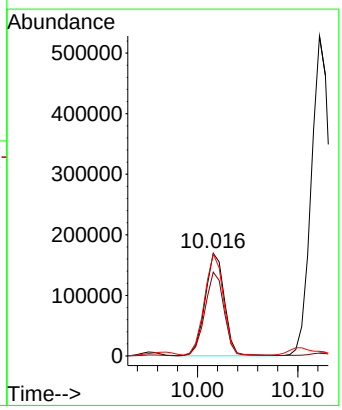


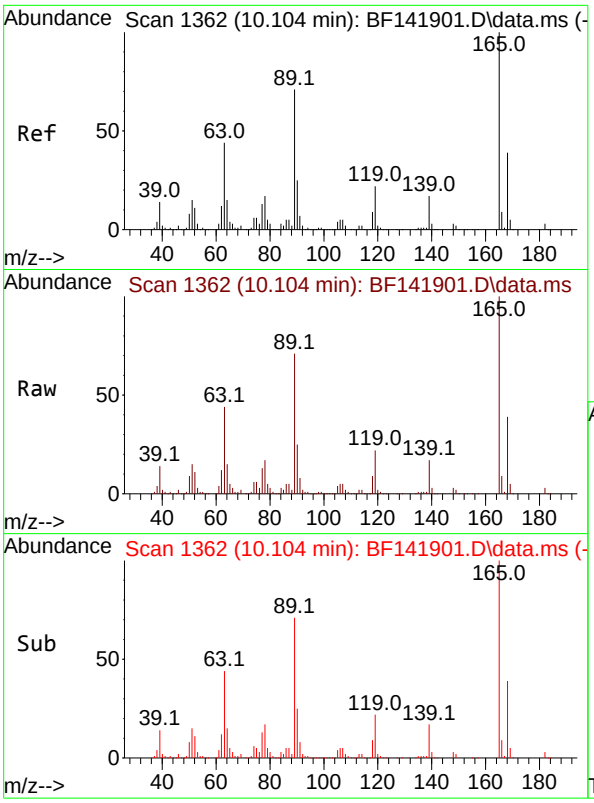


#56
4-Nitrophenol
Concen: 41.266 ng
RT: 10.016 min Scan# 1347
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:139 Resp: 227070

Ion	Ratio	Lower	Upper
139	100		
109	81.6	61.6	101.6
65	99.4	79.4	119.4



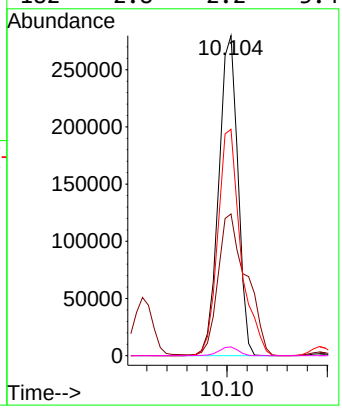


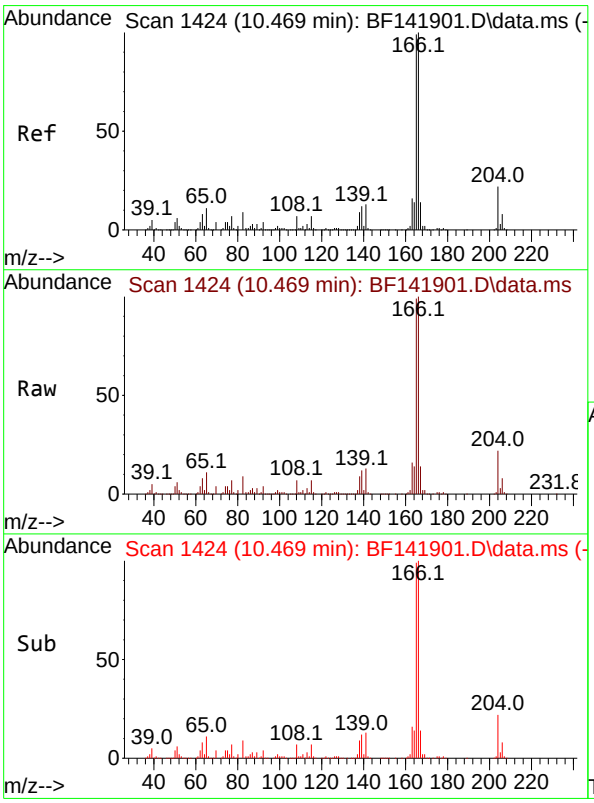
#57
2,4-Dinitrotoluene
Concen: 39.437 ng
RT: 10.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 370337

Ion	Ratio	Lower	Upper
165	100		
63	44.3	35.4	53.2
89	70.7	56.6	84.8
182	2.8	2.2	3.4

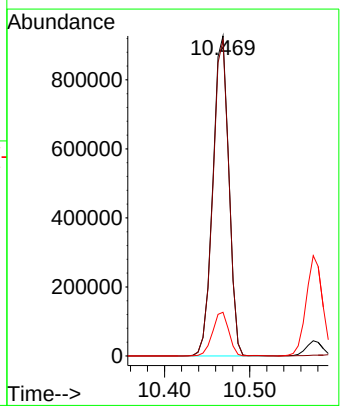


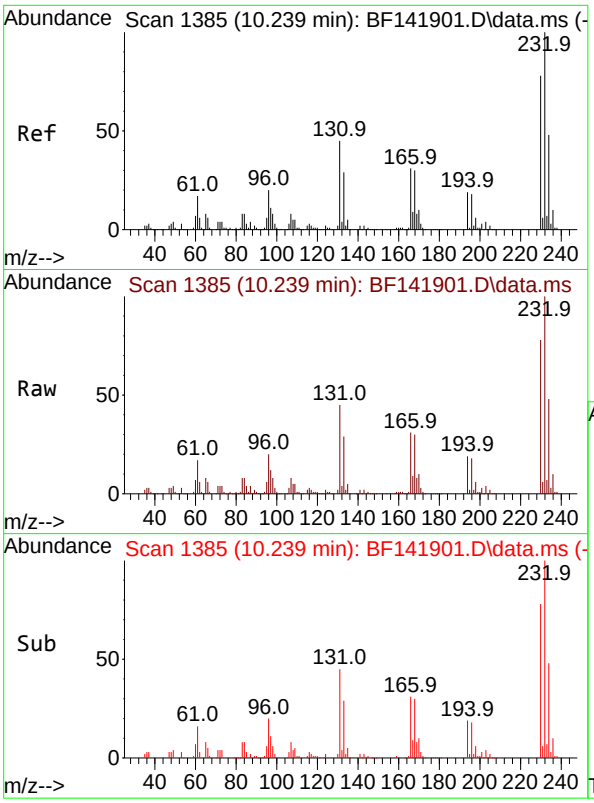


#58
Fluorene
Concen: 37.742 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:166 Resp: 1213316

Ion	Ratio	Lower	Upper
166	100		
165	98.7	79.0	118.4
167	13.7	11.0	16.4



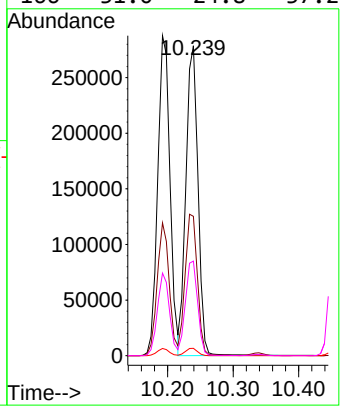


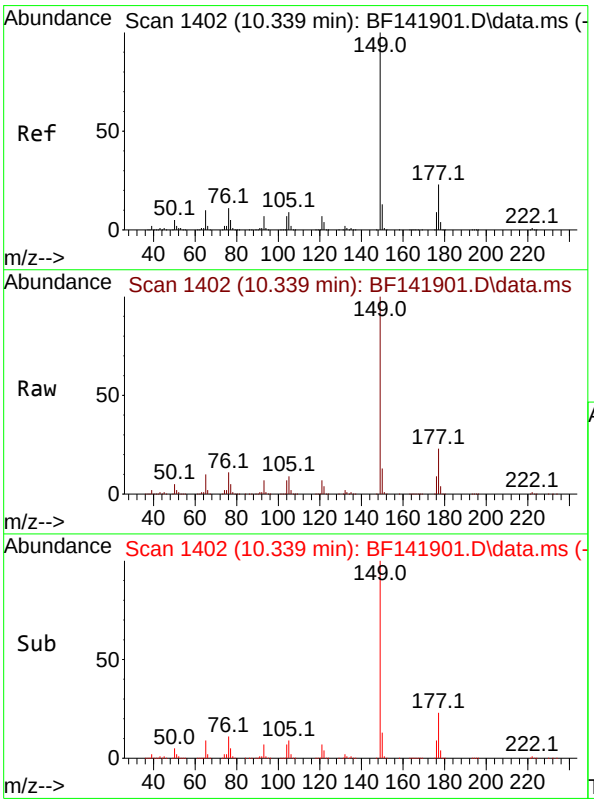
#59
2,3,4,6-Tetrachlorophenol
Concen: 39.225 ng
RT: 10.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:232 Resp: 354863

Ion	Ratio	Lower	Upper
232	100		
131	46.6	37.3	55.9
130	2.4	1.9	2.9
166	31.0	24.8	37.2

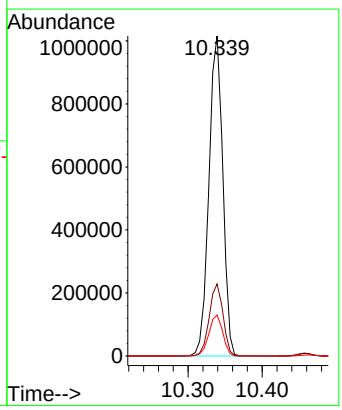


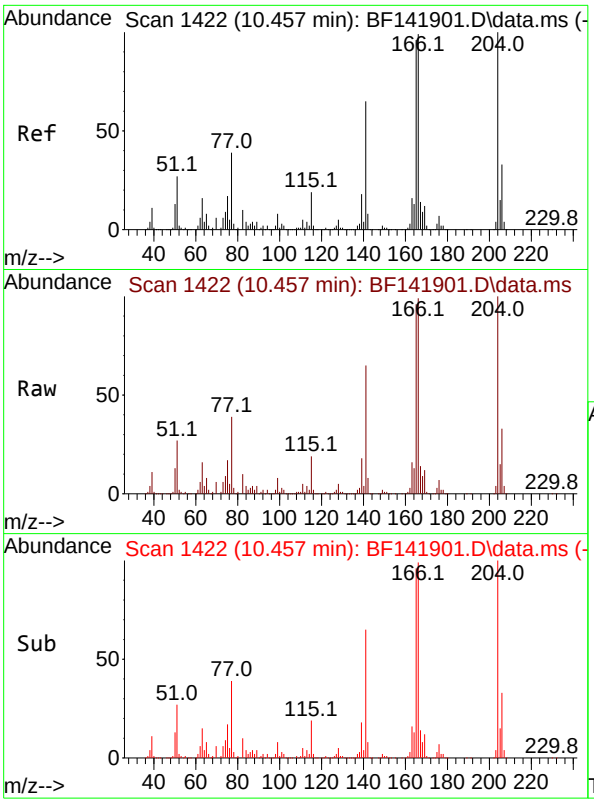


#60
Diethylphthalate
Concen: 38.304 ng
RT: 10.339 min Scan# 1402
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:149 Resp: 1319116

Ion	Ratio	Lower	Upper
149	100		
177	22.5	18.0	27.0
150	12.8	10.2	15.4



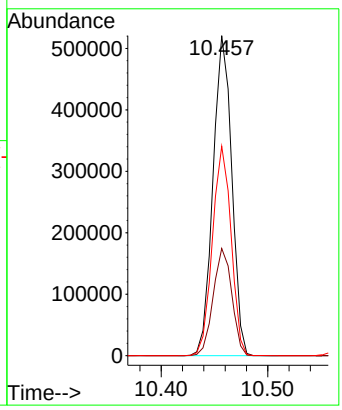


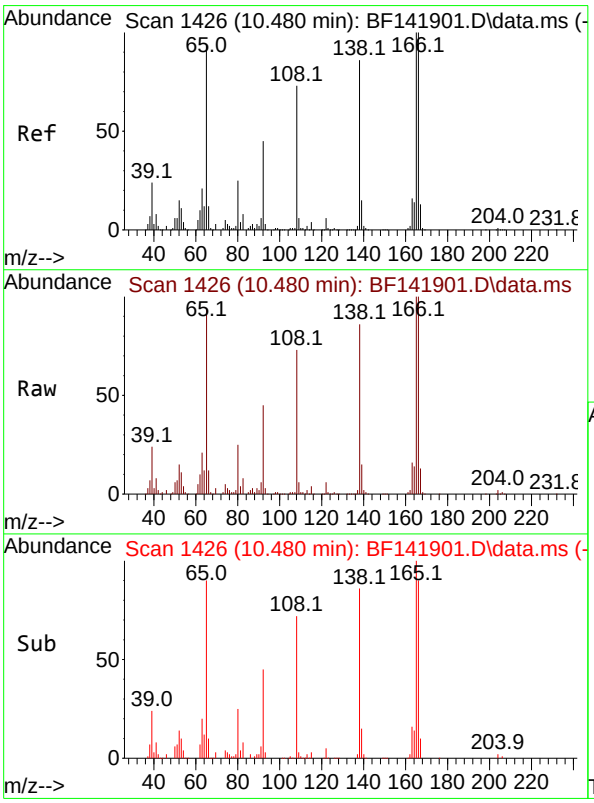
#61
4-Chlorophenyl-phenylether
Concen: 37.950 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:204 Resp: 635445

Ion	Ratio	Lower	Upper
204	100		
206	33.5	26.8	40.2
141	65.5	52.4	78.6

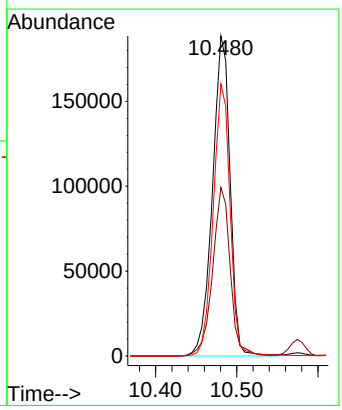


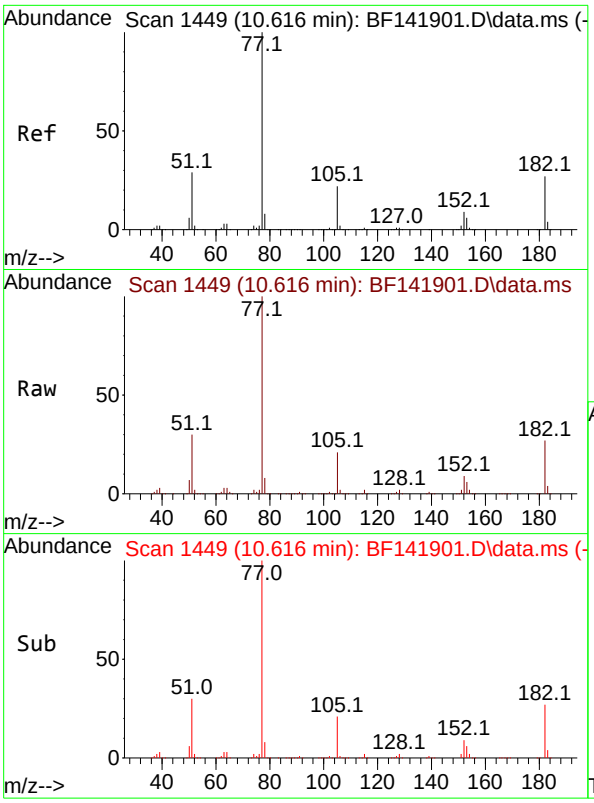


#62
4-Nitroaniline
Concen: 40.097 ng
RT: 10.480 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:138 Resp: 284615

Ion	Ratio	Lower	Upper
138	100		
92	52.6	32.6	72.6
108	85.0	65.0	105.0



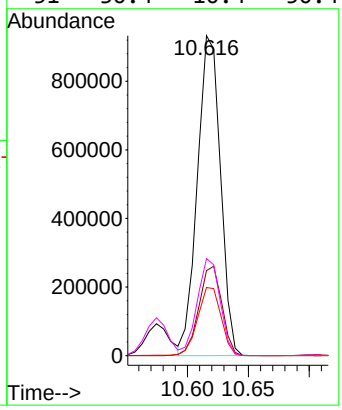


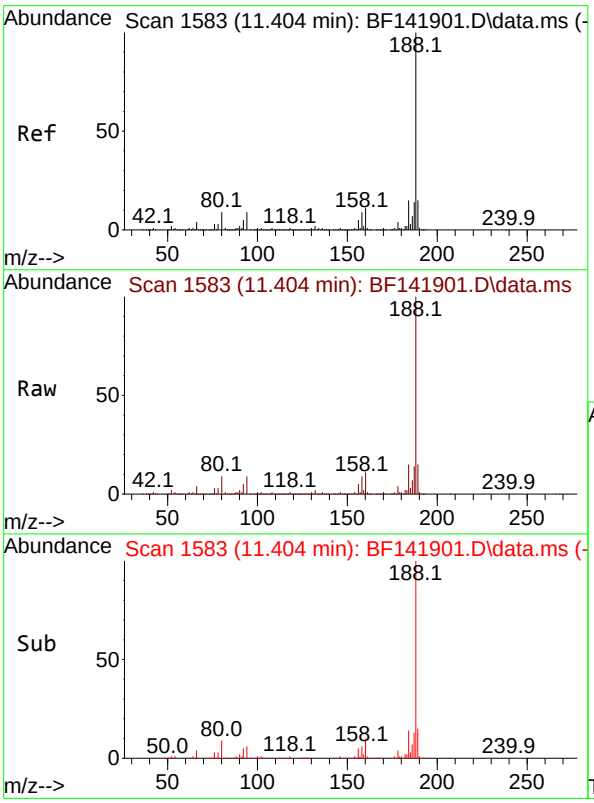
#63
Azobenzene
Concen: 38.432 ng
RT: 10.616 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 1229473

Ion	Ratio	Lower	Upper
77	100		
182	26.6	6.6	46.6
105	21.3	1.3	41.3
51	30.4	10.4	50.4

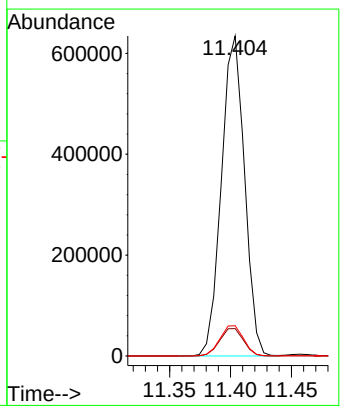


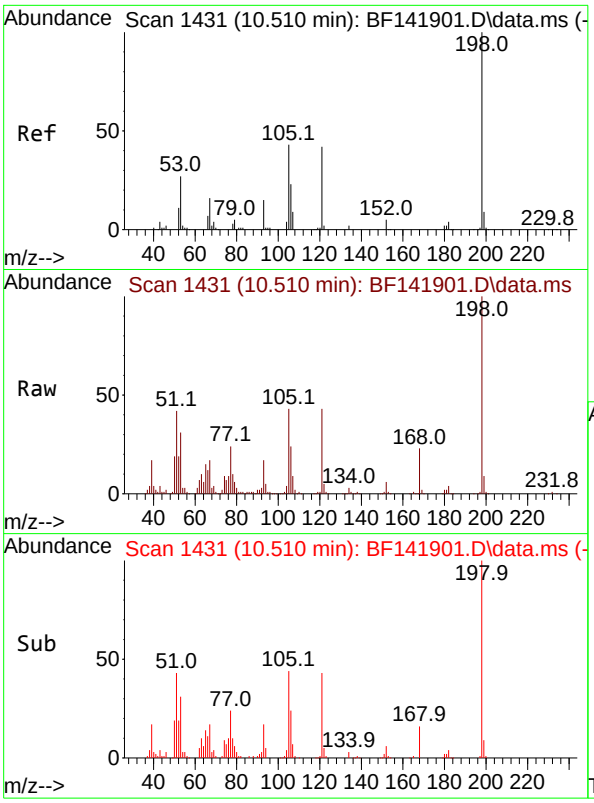


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:188 Resp: 839154

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.8	10.2
80	9.5	7.6	11.4



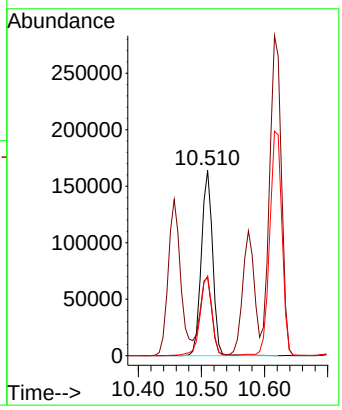


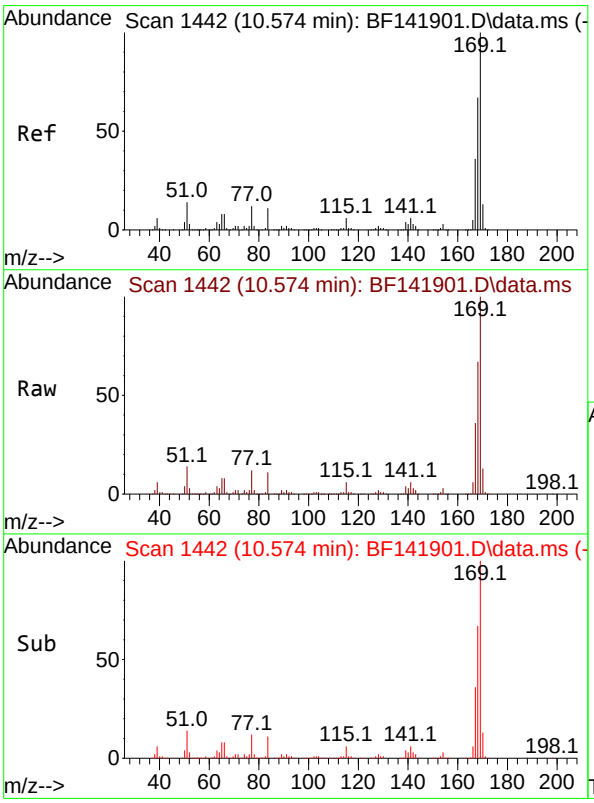
#65
4,6-Dinitro-2-methylphenol
Concen: 40.827 ng
RT: 10.510 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 203106

Ion	Ratio	Lower	Upper
198	100		
51	42.3	22.3	62.3
105	43.0	23.0	63.0

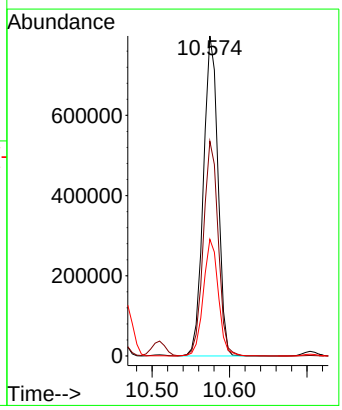


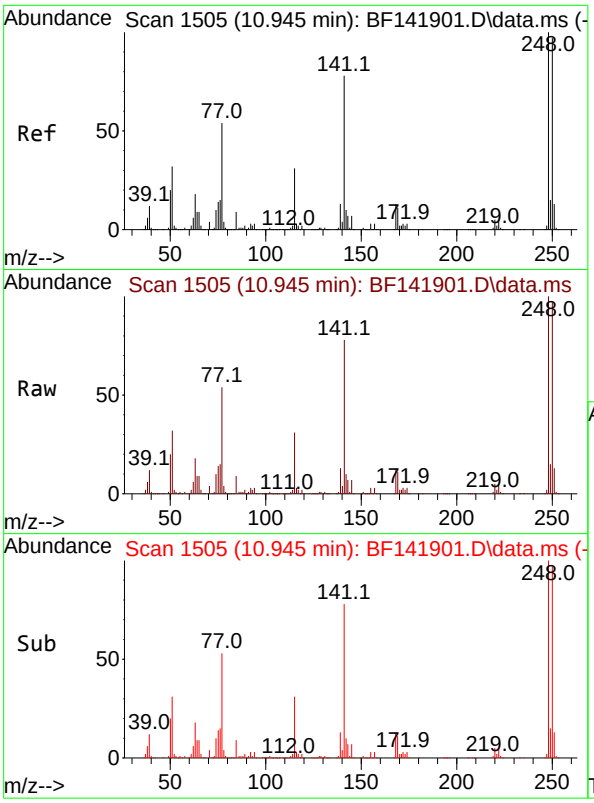


#66
n-Nitrosodiphenylamine
Concen: 38.415 ng
RT: 10.574 min Scan# 1442
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:169 Resp: 1041349

Ion	Ratio	Lower	Upper
169	100		
168	67.1	53.7	80.5
167	36.5	29.2	43.8



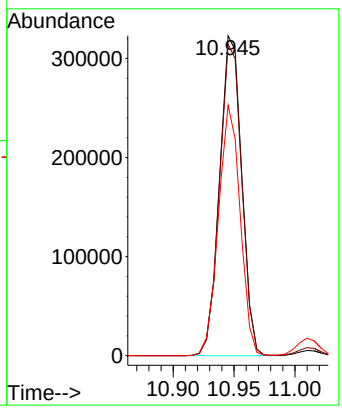


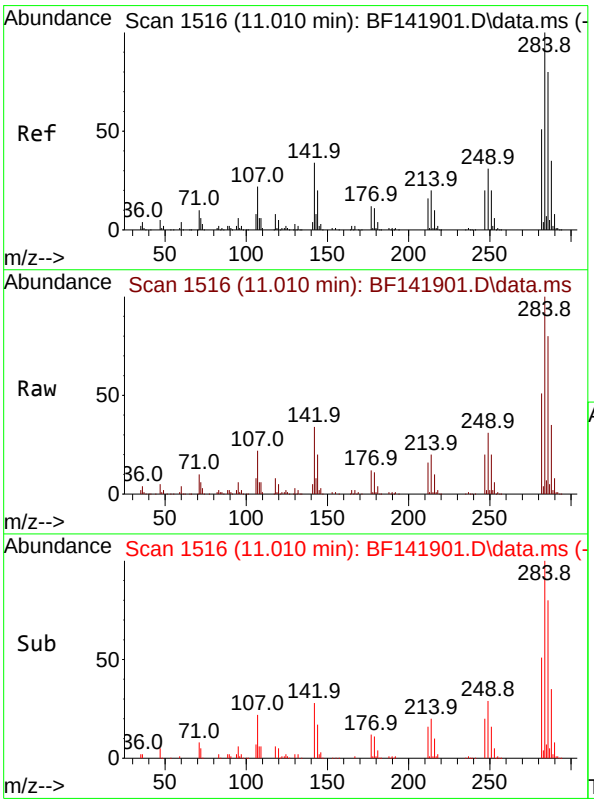
#67
4-Bromophenyl-phenylether
Concen: 39.195 ng
RT: 10.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:248 Resp: 409602

Ion	Ratio	Lower	Upper
248	100		
250	97.3	77.8	116.8
141	78.2	62.6	93.8

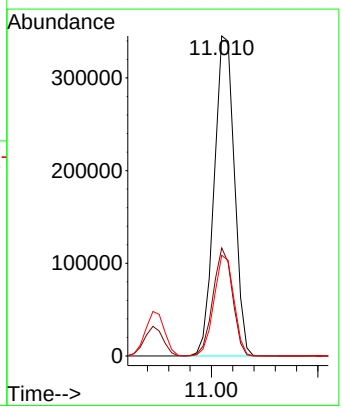


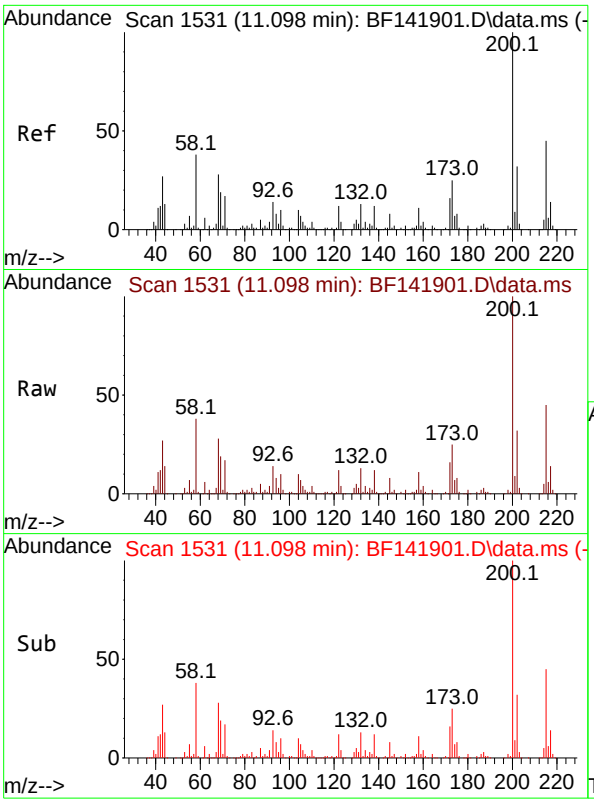


#68
Hexachlorobenzene
Concen: 39.146 ng
RT: 11.010 min Scan# 1516
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:284 Resp: 452189

Ion	Ratio	Lower	Upper
284	100		
142	33.8	27.0	40.6
249	31.5	25.2	37.8



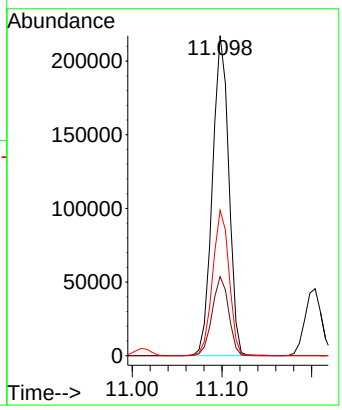


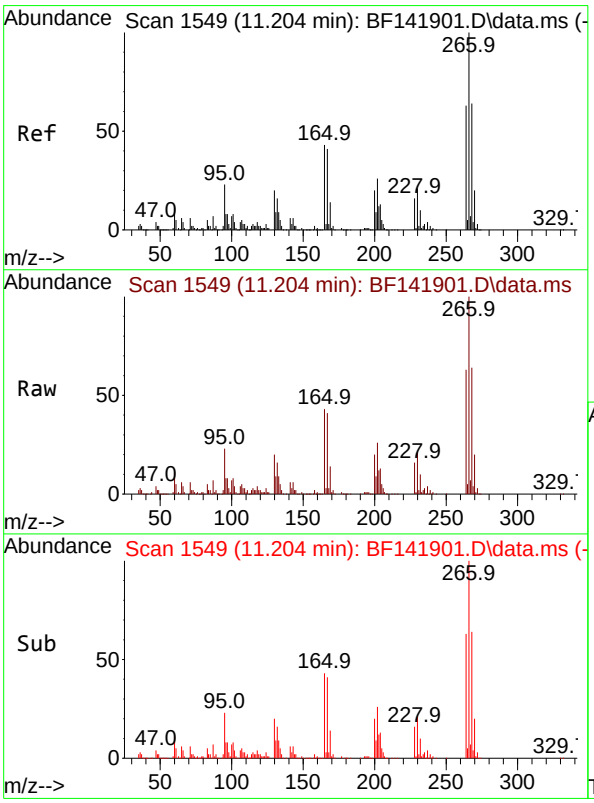
#69
Atrazine
Concen: 41.614 ng
RT: 11.098 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:200 Resp: 275084

Ion	Ratio	Lower	Upper
200	100		
173	24.7	4.7	44.7
215	45.4	25.4	65.4

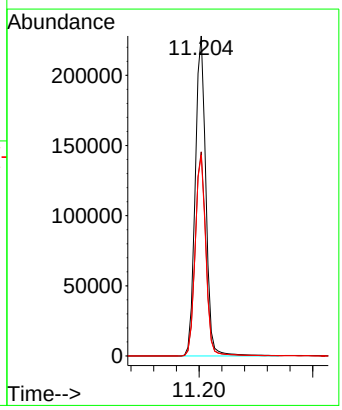


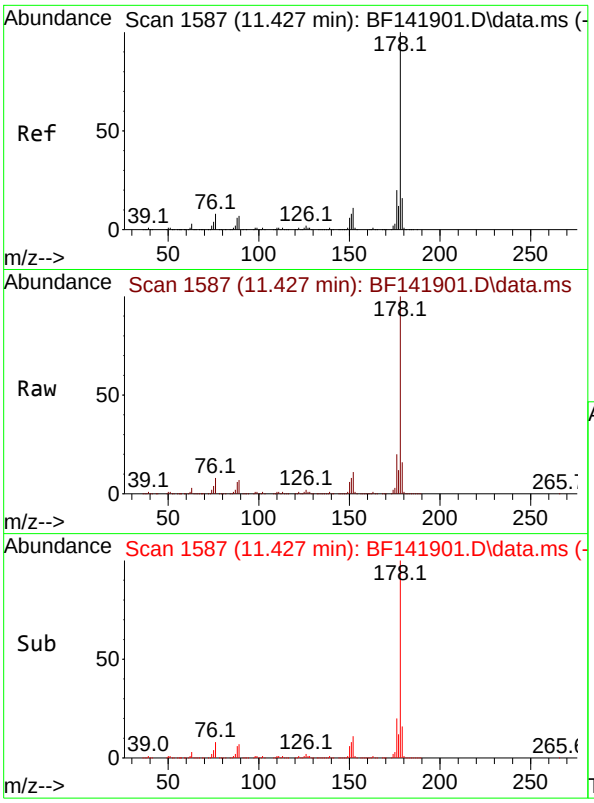


#70
Pentachlorophenol
Concen: 41.818 ng
RT: 11.204 min Scan# 1549
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:266 Resp: 297893

Ion	Ratio	Lower	Upper
266	100		
268	63.8	51.0	76.6
264	62.7	50.2	75.2



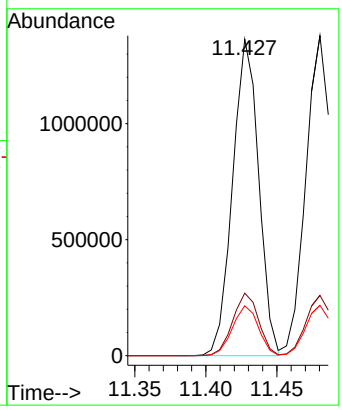


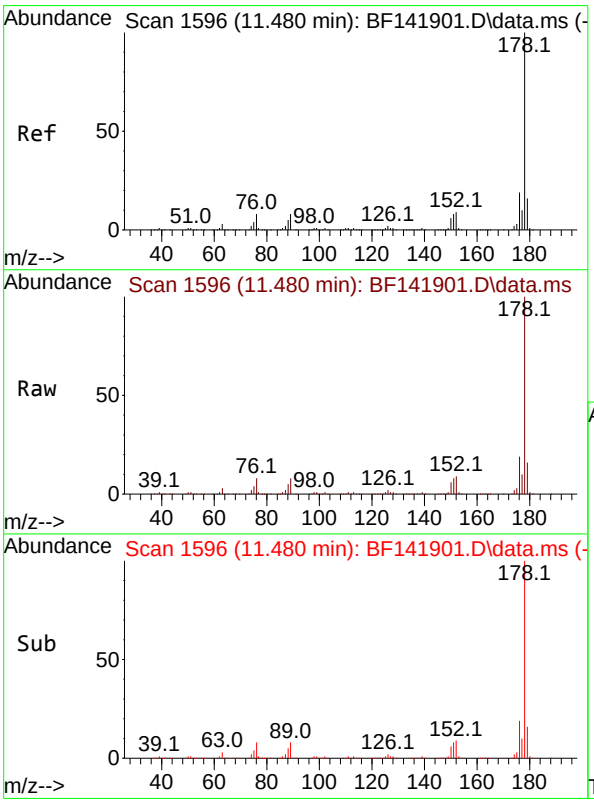
#71
Phenanthrene
Concen: 38.373 ng
RT: 11.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:178 Resp: 1741309

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	15.8	12.6	19.0

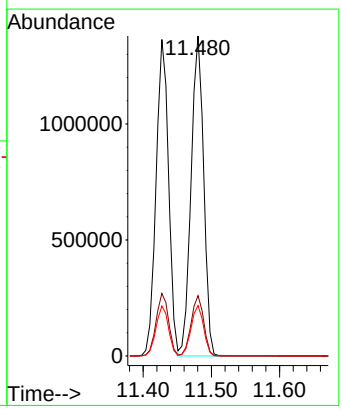


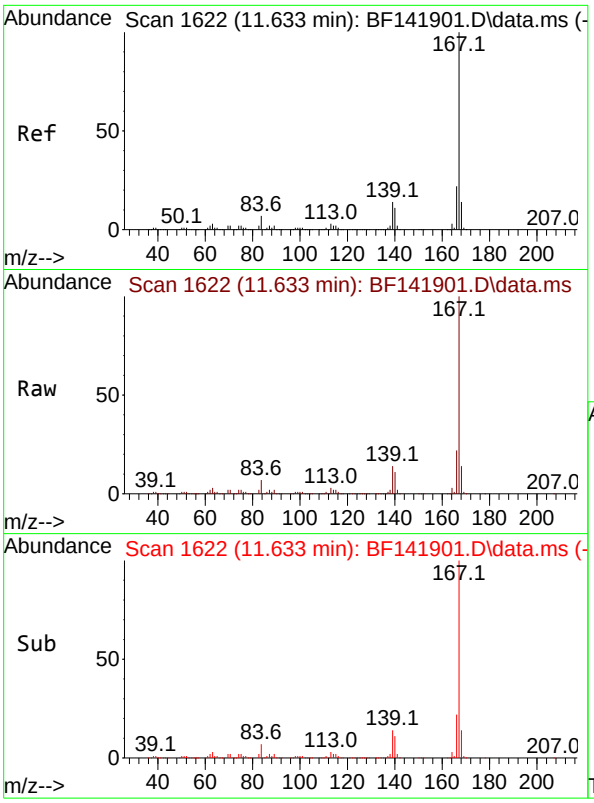


#72
Anthracene
Concen: 38.571 ng
RT: 11.480 min Scan# 1596
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:178 Resp: 1756035

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.1	22.7
179	15.8	12.6	19.0



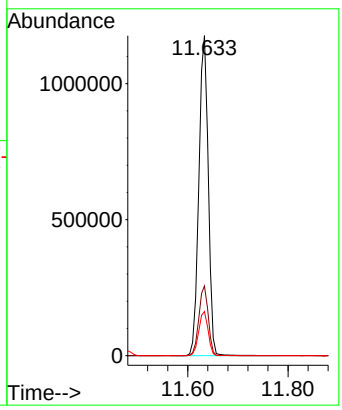


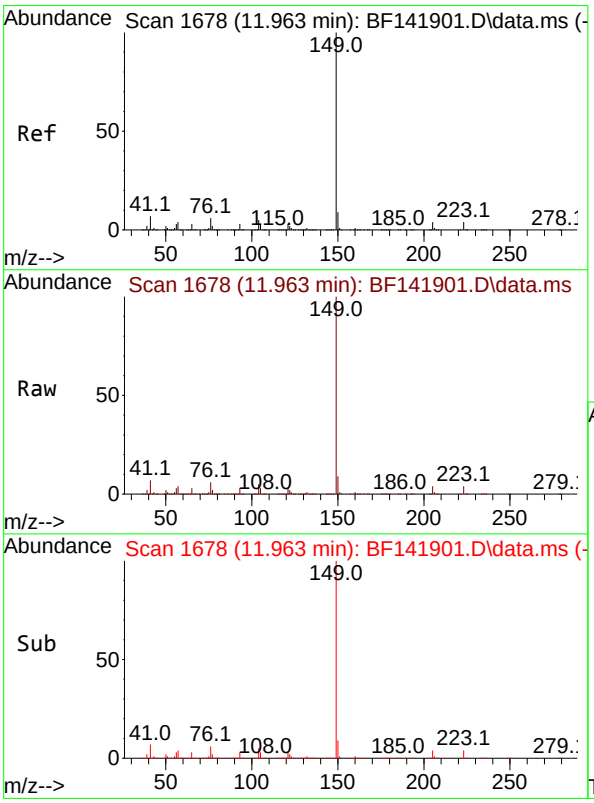
#73
Carbazole
Concen: 38.898 ng
RT: 11.633 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:167 Resp: 1524663

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.4	26.2
139	13.8	11.0	16.6

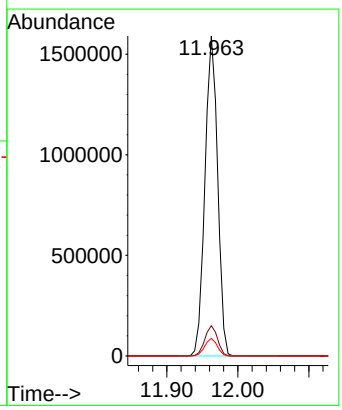


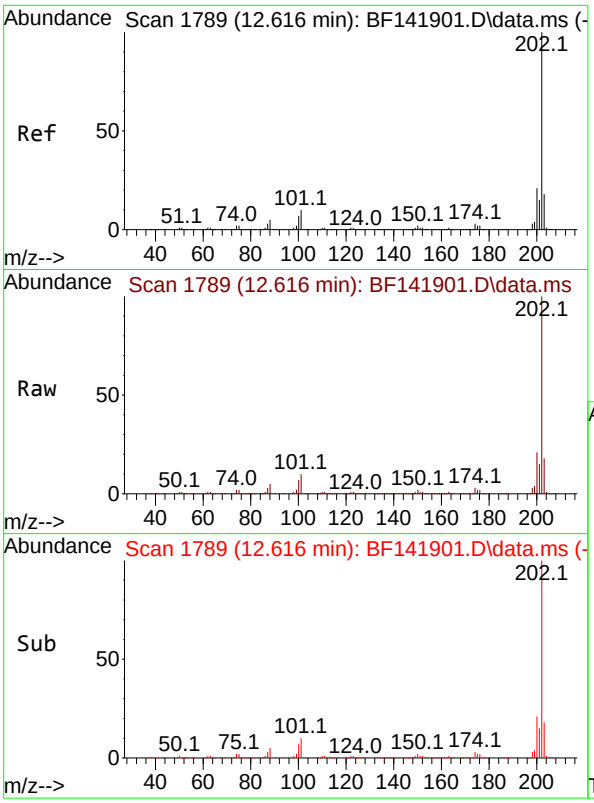


#74
Di-n-butylphthalate
Concen: 38.175 ng
RT: 11.963 min Scan# 1678
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:149 Resp: 1975625

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.6	11.4
104	5.5	4.4	6.6



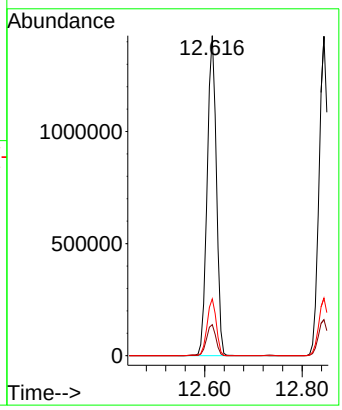


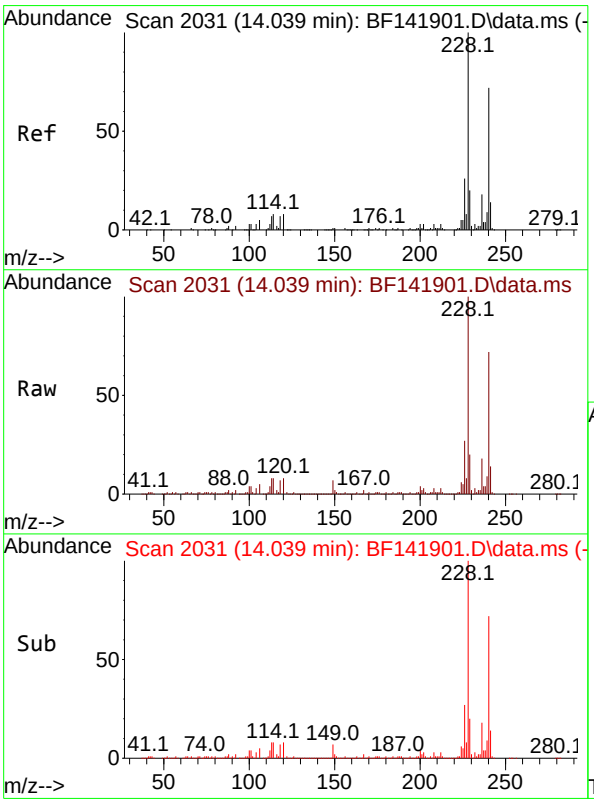
#75
Fluoranthene
Concen: 39.049 ng
RT: 12.616 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:202 Resp: 1860202

Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	29.7
203	17.8	0.0	37.8

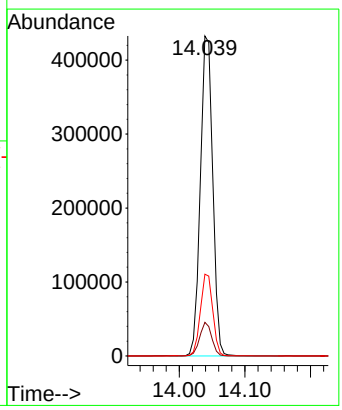


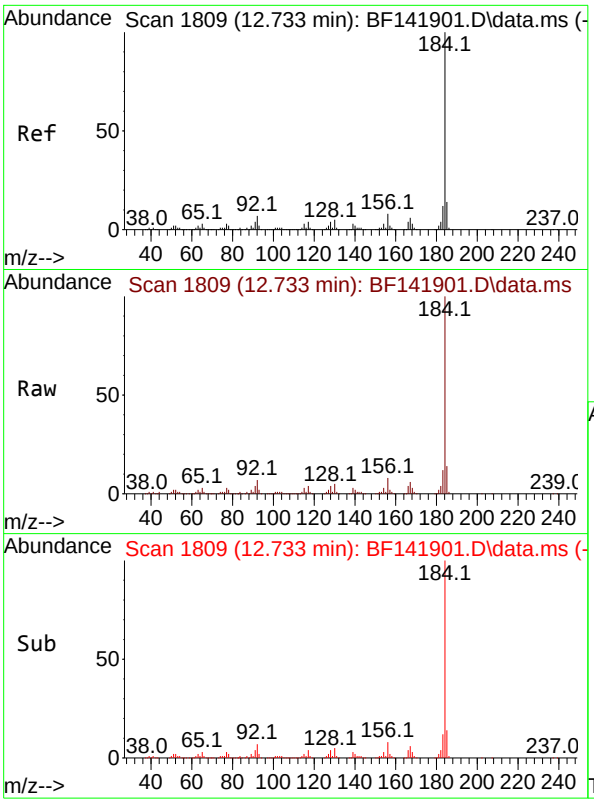


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:240 Resp: 569865

Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.4	12.6
236	25.6	20.5	30.7



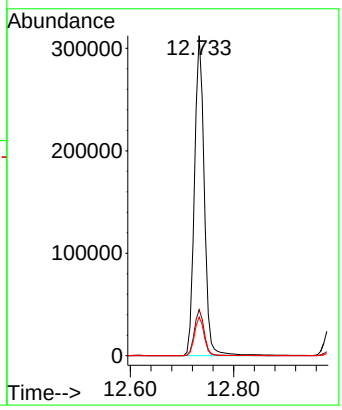


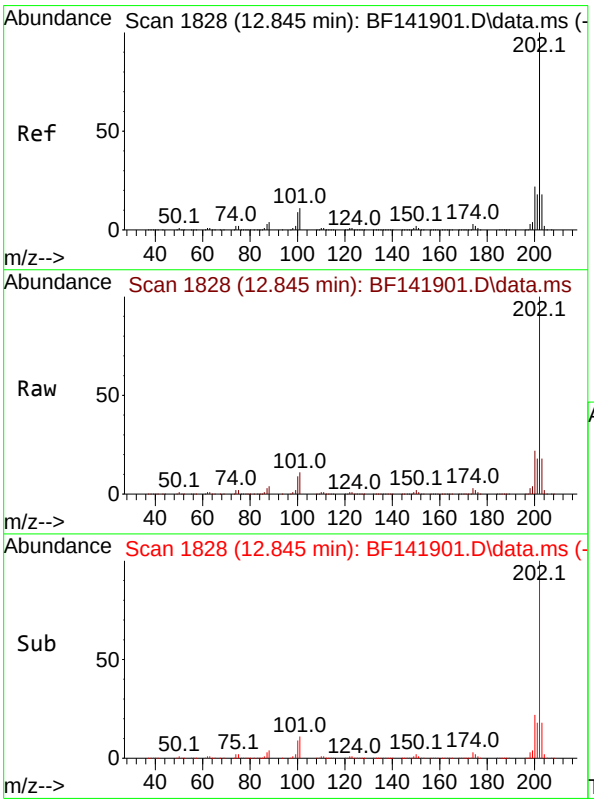
#77
Benzidine
Concen: 50.915 ng
RT: 12.733 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:184 Resp: 410026

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.5	17.3
183	12.1	9.7	14.5

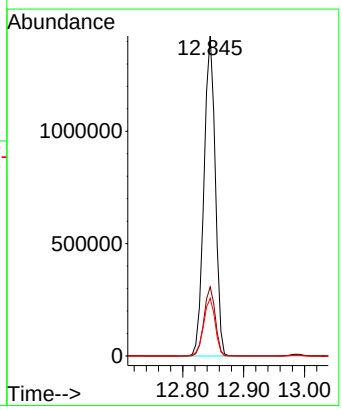


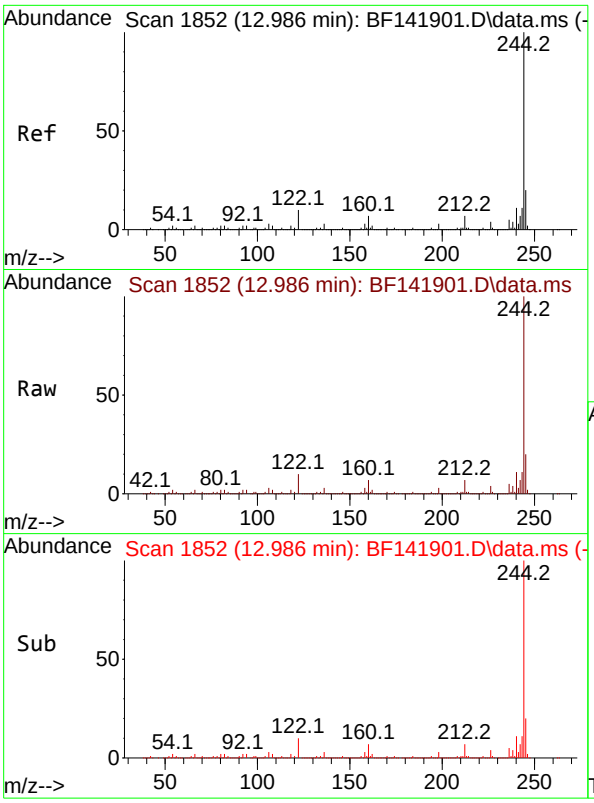


#78
Pyrene
Concen: 37.567 ng
RT: 12.845 min Scan# 1828
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:202 Resp: 1835917

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.3	25.9
203	18.0	14.4	21.6



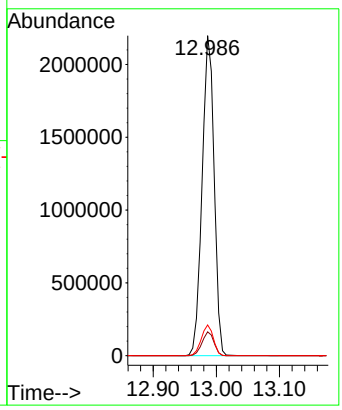


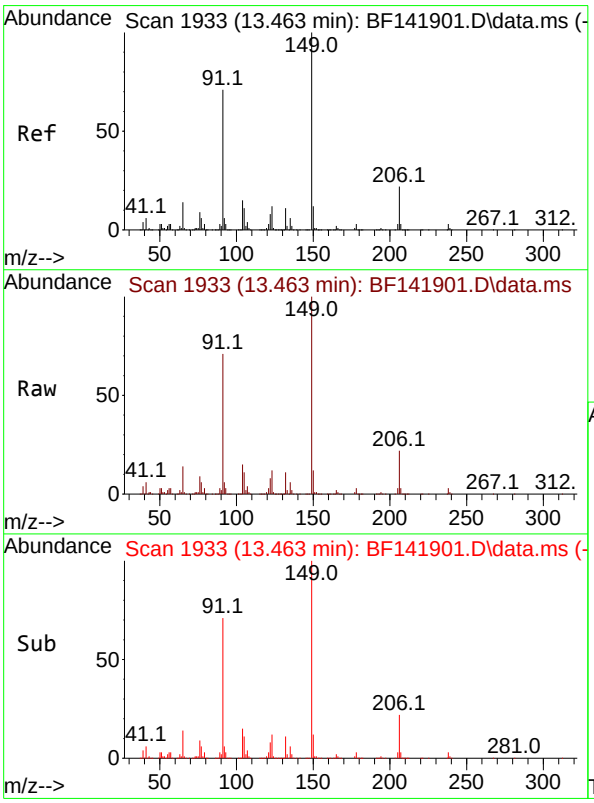
#79
Terphenyl-d14
Concen: 75.440 ng
RT: 12.986 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:244 Resp: 2908357

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.0	9.0
122	9.6	7.7	11.5

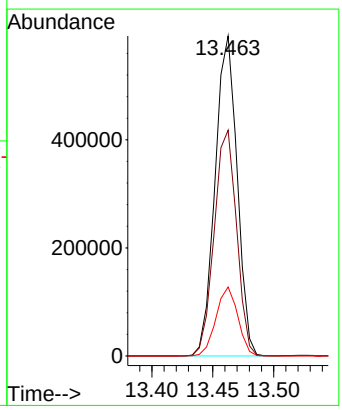


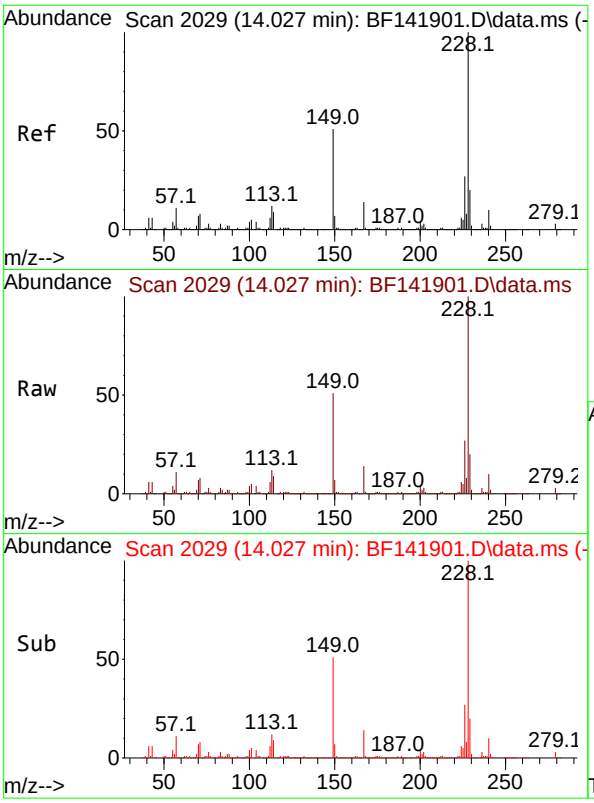


#80
Butylbenzylphthalate
Concen: 38.769 ng
RT: 13.463 min Scan# 1933
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:149 Resp: 746613

Ion	Ratio	Lower	Upper
149	100		
91	70.6	56.5	84.7
206	21.6	17.3	25.9



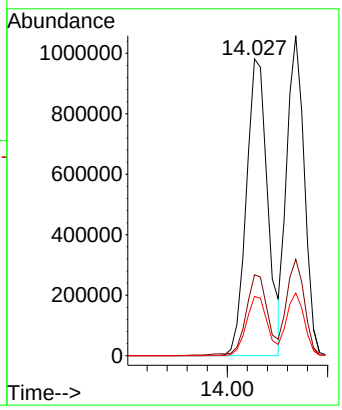


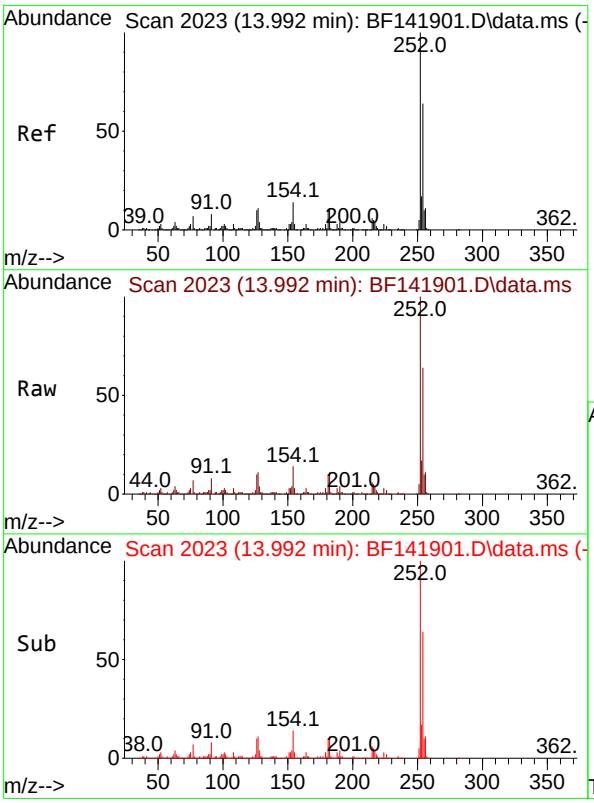
#81
Benzo(a)anthracene
Concen: 38.713 ng
RT: 14.027 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 1451332

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	20.0	16.0	24.0

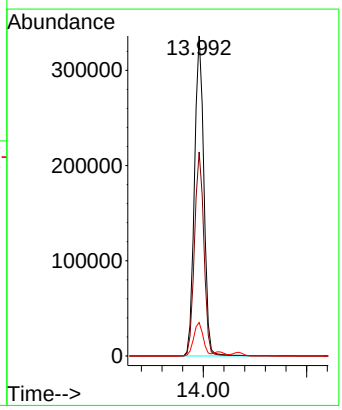


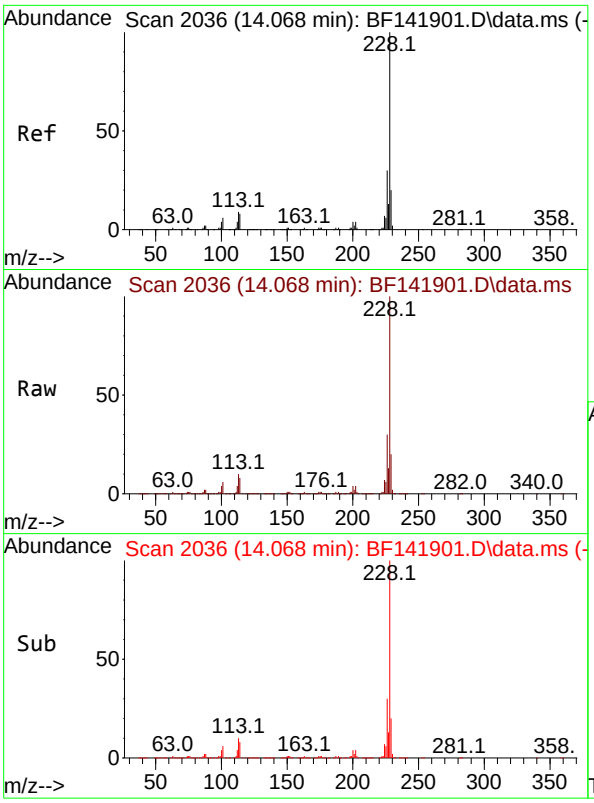


#82
3,3'-Dichlorobenzidine
Concen: 39.114 ng
RT: 13.992 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:252 Resp: 423835

Ion	Ratio	Lower	Upper
252	100		
254	63.8	51.0	76.6
126	10.5	8.4	12.6



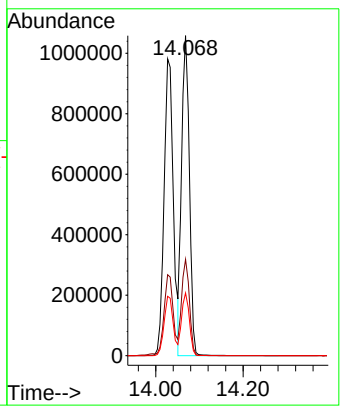


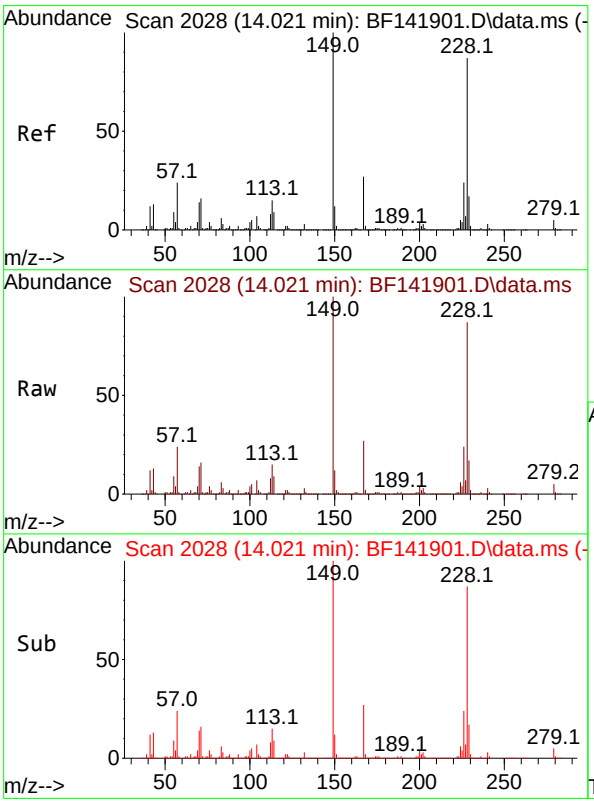
#83
Chrysene
Concen: 38.439 ng
RT: 14.068 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 1294538

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.1	36.1
229	19.6	15.7	23.5

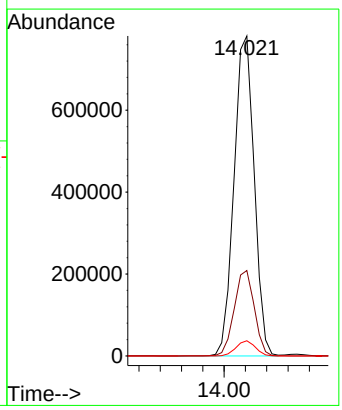


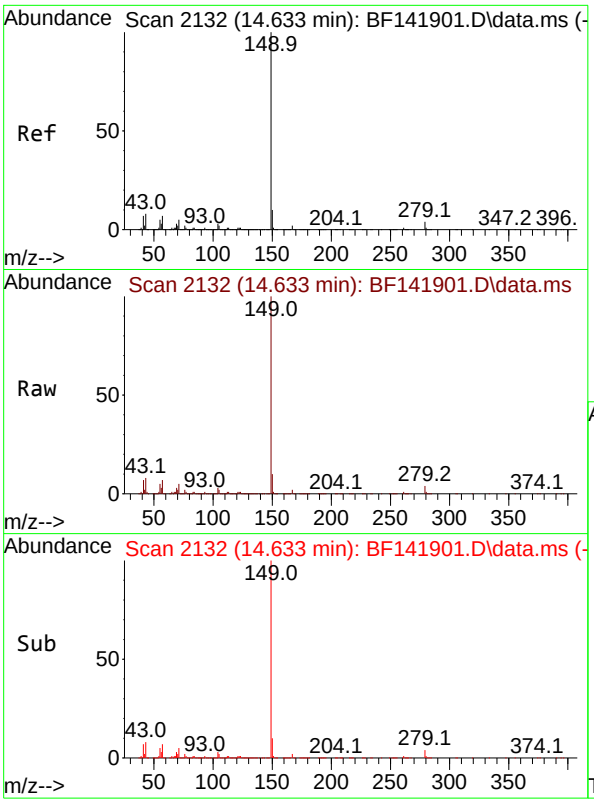


#84
Bis(2-ethylhexyl)phthalate
Concen: 38.985 ng
RT: 14.021 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:149 Resp: 1029987

Ion	Ratio	Lower	Upper
149	100		
167	26.7	21.4	32.0
279	4.7	3.8	5.6



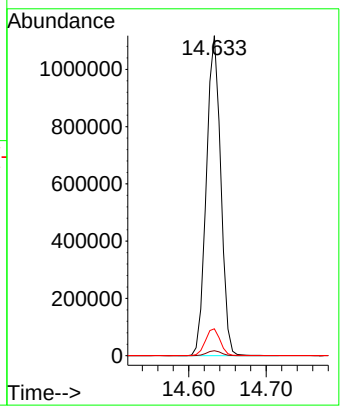


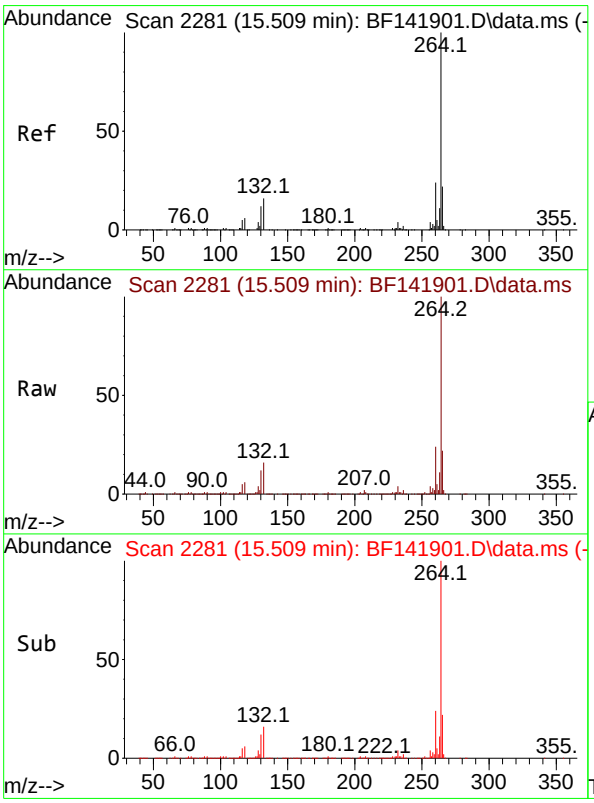
#85
Di-n-octyl phthalate
Concen: 39.193 ng
RT: 14.633 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:149 Resp: 1441248

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.6	6.9	10.3

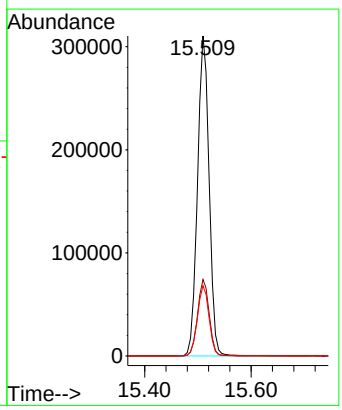


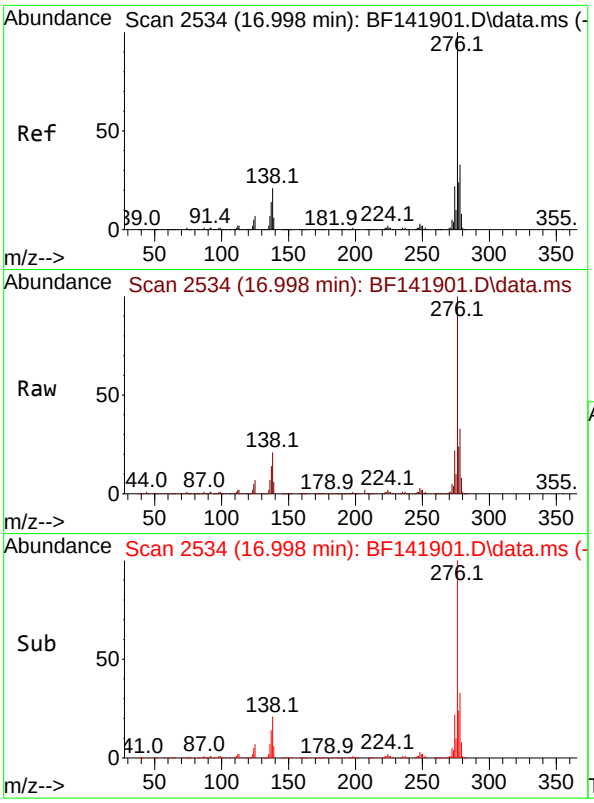


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 2281
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:264 Resp: 469286

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.1	28.7
265	21.9	17.5	26.3



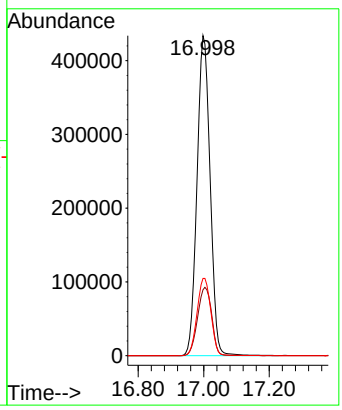


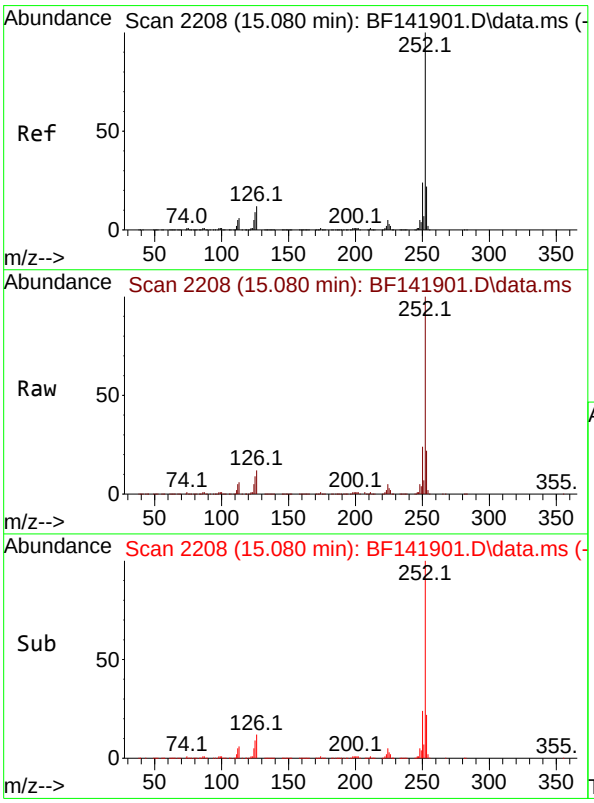
#87
Indeno(1,2,3-cd)pyrene
Concen: 39.681 ng
RT: 16.998 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:276 Resp: 1207616

Ion	Ratio	Lower	Upper
276	100		
138	23.0	18.4	27.6
277	25.4	20.3	30.5

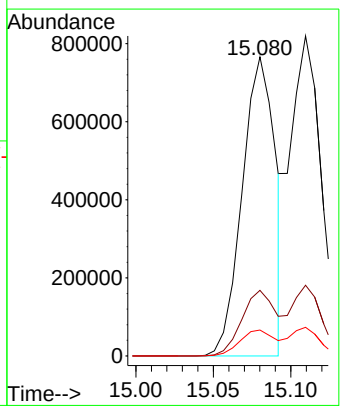


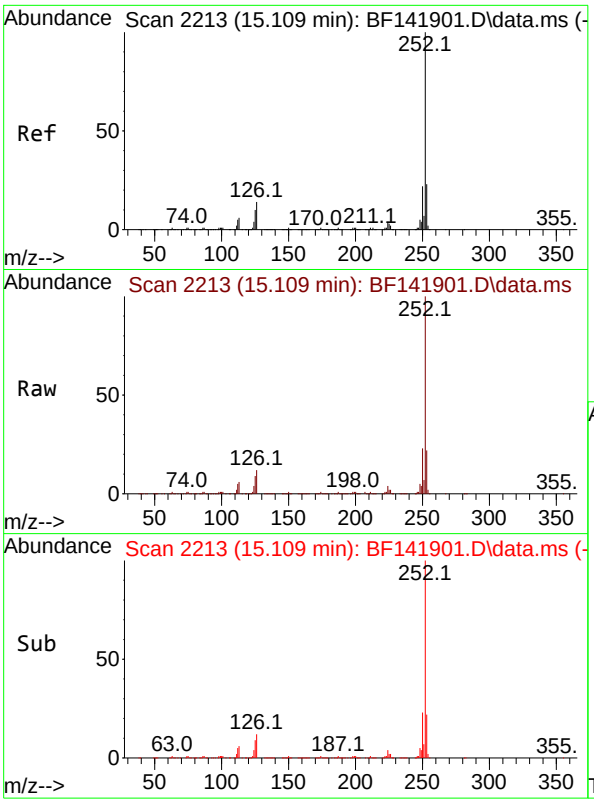


#88
Benzo(b)fluoranthene
Concen: 35.673 ng
RT: 15.080 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:252 Resp: 1135547

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	8.7	7.0	10.4



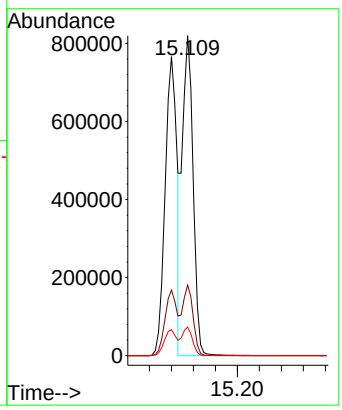


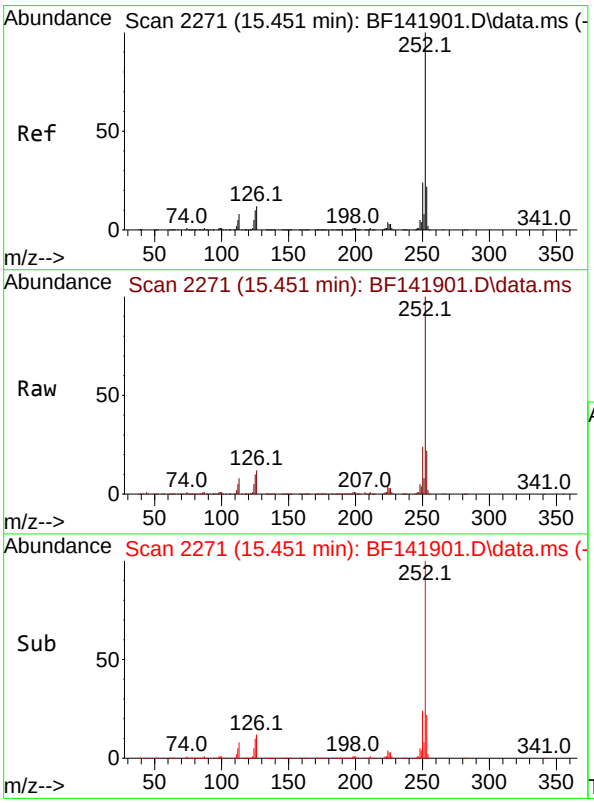
#89
Benzo(k)fluoranthene
Concen: 40.661 ng
RT: 15.109 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:252 Resp: 1130615

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	9.0	7.2	10.8

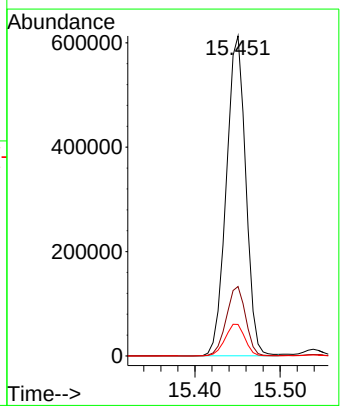


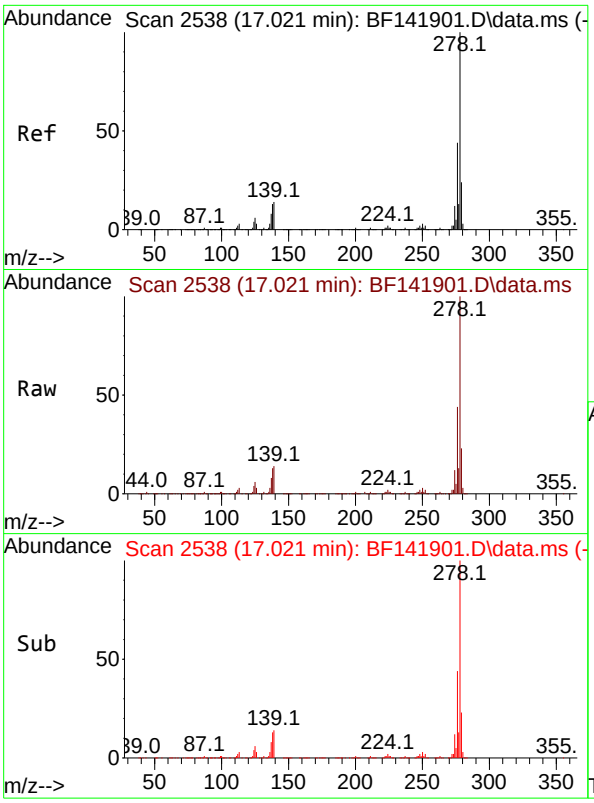


#90
Benzo(a)pyrene
Concen: 38.727 ng
RT: 15.451 min Scan# 2271
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:252 Resp: 972220

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0
125	9.8	7.8	11.8



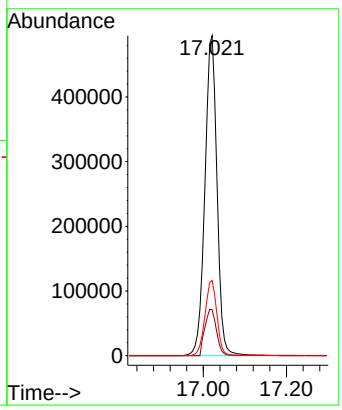


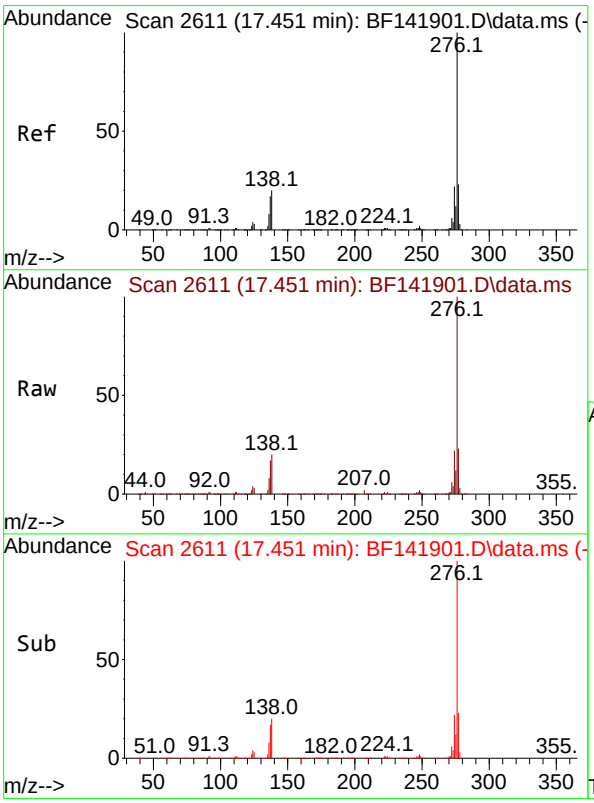
#91
Dibenzo(a,h)anthracene
Concen: 39.933 ng
RT: 17.021 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 1002747

Ion	Ratio	Lower	Upper
278	100		
139	14.3	11.4	17.2
279	23.5	18.8	28.2

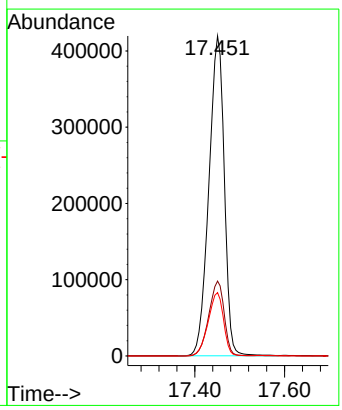




#92
Benzo(g,h,i)perylene
Concen: 40.149 ng
RT: 17.451 min Scan# 2611
Delta R.T. 0.000 min
Lab File: BF141901.D
Acq: 10 Mar 2025 12:58

Tgt Ion:276 Resp: 999947

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.7	28.1
138	19.8	15.8	23.8



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141903.D
Acq On : 10 Mar 2025 13:57
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Mar 10 15:37:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	216861	20.000	ng		0.00
21) Naphthalene-d8	8.169	136	872222	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	497194	20.000	ng		0.00
64) Phenanthrene-d10	11.404	188	827202	20.000	ng		0.00
76) Chrysene-d12	14.045	240	468454	20.000	ng		0.00
86) Perylene-d12	15.509	264	407346	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.498	112	1490872	114.705	ng		0.00
7) Phenol-d6	6.510	99	1913610	115.601	ng		0.00
23) Nitrobenzene-d5	7.451	82	1899726	122.074	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	791365	125.609	ng		0.00
45) 2-Fluorobiphenyl	9.239	172	3716590	113.827	ng		0.00
79) Terphenyl-d14	12.992	244	3982780	125.675	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.669	88	325927	59.832	ng		99
3) Pyridine	3.440	79	786537	58.753	ng		99
4) n-Nitrosodimethylamine	3.404	42	386646	60.759	ng		100
6) Aniline	6.551	93	933875	57.146	ng		99
8) 2-Chlorophenol	6.669	128	835549	58.000	ng		97
9) Benzaldehyde	6.434	77	465511	50.311	ng		100
10) Phenol	6.528	94	996848	57.074	ng		95
11) bis(2-Chloroethyl)ether	6.622	93	765071	58.464	ng		99
12) 1,3-Dichlorobenzene	6.828	146	911340	58.540	ng		99
13) 1,4-Dichlorobenzene	6.904	146	923545	58.635	ng		99
14) 1,2-Dichlorobenzene	7.057	146	873604	58.898	ng		99
15) Benzyl Alcohol	7.028	79	810347	60.480	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	957808	60.730	ng		99
17) 2-Methylphenol	7.134	107	701676	61.285	ng		99
18) Hexachloroethane	7.398	117	364561	61.734	ng		96
19) n-Nitroso-di-n-propyla...	7.304	70	644501	60.576	ng		99
20) 3+4-Methylphenols	7.292	107	868157	59.116	ng	#	81
22) Acetophenone	7.298	105	1226859	58.635	ng		97
24) Nitrobenzene	7.469	77	939508	60.889	ng		100
25) Isophorone	7.710	82	1695749	61.720	ng		100
26) 2-Nitrophenol	7.781	139	491301	64.978	ng		98
27) 2,4-Dimethylphenol	7.816	122	639505	61.408	ng		99
28) bis(2-Chloroethoxy)met...	7.916	93	1039951	60.422	ng		99
29) 2,4-Dichlorophenol	8.022	162	791904	61.272	ng		99
30) 1,2,4-Trichlorobenzene	8.104	180	870403	61.044	ng		99
31) Naphthalene	8.186	128	2545181	56.961	ng		99
32) Benzoic acid	7.951	122	634105	69.664	ng		99
33) 4-Chloroaniline	8.233	127	920015	58.348	ng		99
34) Hexachlorobutadiene	8.304	225	559955	60.397	ng		99
35) Caprolactam	8.628	113	235861	60.015	ng		95
36) 4-Chloro-3-methylphenol	8.716	107	874022	60.807	ng		98
37) 2-Methylnaphthalene	8.875	142	1744374	58.187	ng		99
38) 1-Methylnaphthalene	8.975	142	1692113	58.285	ng		99
40) 1,2,4,5-Tetrachloroben...	9.045	216	903928	59.627	ng		99
41) Hexachlorocyclopentadiene	9.028	237	375919	62.842	ng		100
43) 2,4,6-Trichlorophenol	9.151	196	597686	60.479	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141903.D
Acq On : 10 Mar 2025 13:57
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Mar 10 15:37:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.192	196	618930	61.642	ng		99
46) 1,1'-Biphenyl	9.345	154	2134829	56.634	ng		99
47) 2-Chloronaphthalene	9.369	162	1625973	57.879	ng		100
48) 2-Nitroaniline	9.463	65	495229	61.368	ng		99
49) Acenaphthylene	9.786	152	2379216	57.125	ng		99
50) Dimethylphthalate	9.651	163	2006480	58.083	ng		100
51) 2,6-Dinitrotoluene	9.704	165	441383	61.441	ng		99
52) Acenaphthene	9.957	154	1737049	59.065	ng		99
53) 3-Nitroaniline	9.875	138	449553	60.945	ng		100
54) 2,4-Dinitrophenol	9.975	184	240530	60.329	ng	#	74
55) Dibenzofuran	10.127	168	2380973	56.781	ng		100
56) 4-Nitrophenol	10.027	139	343657	62.021	ng		98
57) 2,4-Dinitrotoluene	10.110	165	571731	60.461	ng		98
58) Fluorene	10.469	166	1840654	56.859	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	546621	60.002	ng		100
60) Diethylphthalate	10.345	149	1995827	57.552	ng		99
61) 4-Chlorophenyl-phenyle...	10.463	204	977819	57.993	ng		97
62) 4-Nitroaniline	10.492	138	426741	59.702	ng		100
63) Azobenzene	10.622	77	1829282	56.784	ng		98
65) 4,6-Dinitro-2-methylph...	10.516	198	330315	67.356	ng		98
66) n-Nitrosodiphenylamine	10.580	169	1583832	59.270	ng		100
67) 4-Bromophenyl-phenylether	10.951	248	608246	59.044	ng		98
68) Hexachlorobenzene	11.016	284	673465	59.144	ng		97
70) Pentachlorophenol	11.204	266	462709	65.893	ng		100
71) Phenanthrene	11.433	178	2560092	57.232	ng		100
72) Anthracene	11.486	178	2570717	57.281	ng		100
73) Carbazole	11.633	167	2213331	57.284	ng		99
74) Di-n-butylphthalate	11.963	149	2916048	57.161	ng		99
75) Fluoranthene	12.616	202	2628993	55.984	ng		99
77) Benzidine	12.733	184	386007	58.309	ng		99
78) Pyrene	12.845	202	2562337	63.781	ng		99
80) Butylbenzylphthalate	13.463	149	1008043	63.676	ng		100
81) Benzo(a)anthracene	14.033	228	1850347	60.040	ng		100
82) 3,3'-Dichlorobenzidine	13.992	252	553078	62.091	ng		100
83) Chrysene	14.068	228	1705257	61.596	ng		99
84) Bis(2-ethylhexyl)phtha...	14.021	149	1337474	61.582	ng		99
85) Di-n-octyl phthalate	14.633	149	1953184	64.613	ng		99
87) Indeno(1,2,3-cd)pyrene	17.009	276	1799372	68.115	ng		100
88) Benzo(b)fluoranthene	15.080	252	1698744	61.481	ng		99
89) Benzo(k)fluoranthene	15.115	252	1478389	61.253	ng		100
90) Benzo(a)pyrene	15.451	252	1323726	60.747	ng		99
91) Dibenzo(a,h)anthracene	17.027	278	1459934	66.981	ng		99
92) Benzo(g,h,i)perylene	17.462	276	1425582	65.942	ng		99

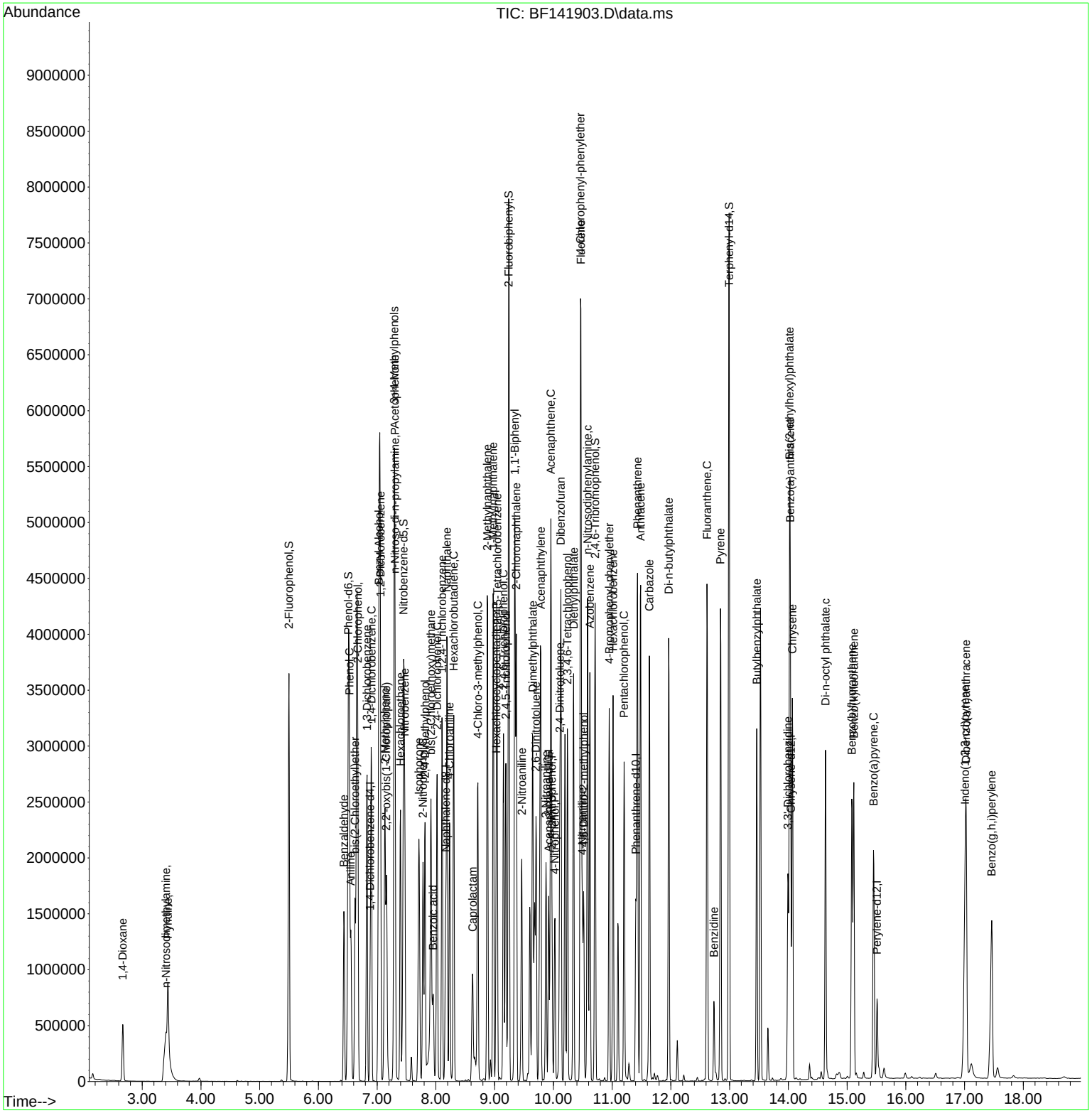
(#) = qualifier out of range (m) = manual integration (+) = signals summed

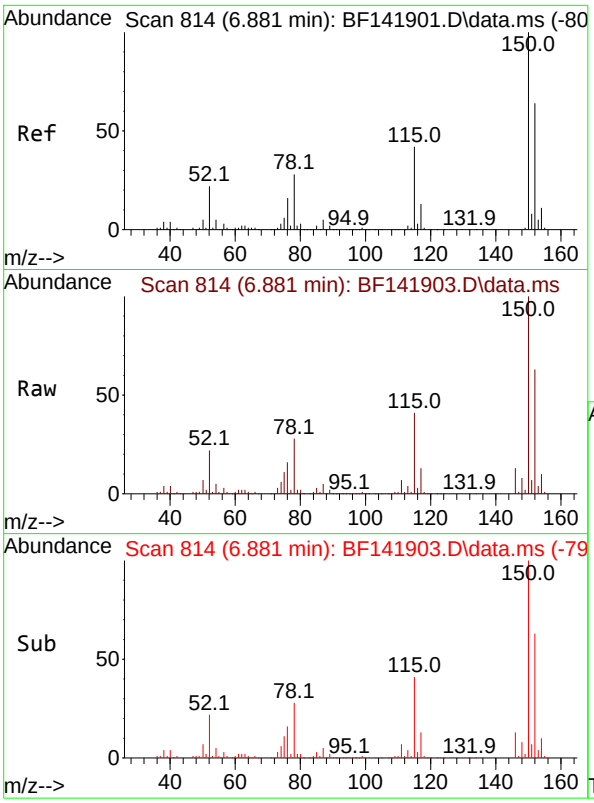
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141903.D
Acq On : 10 Mar 2025 13:57
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Mar 10 15:37:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration



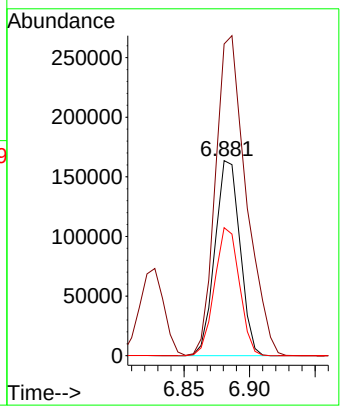


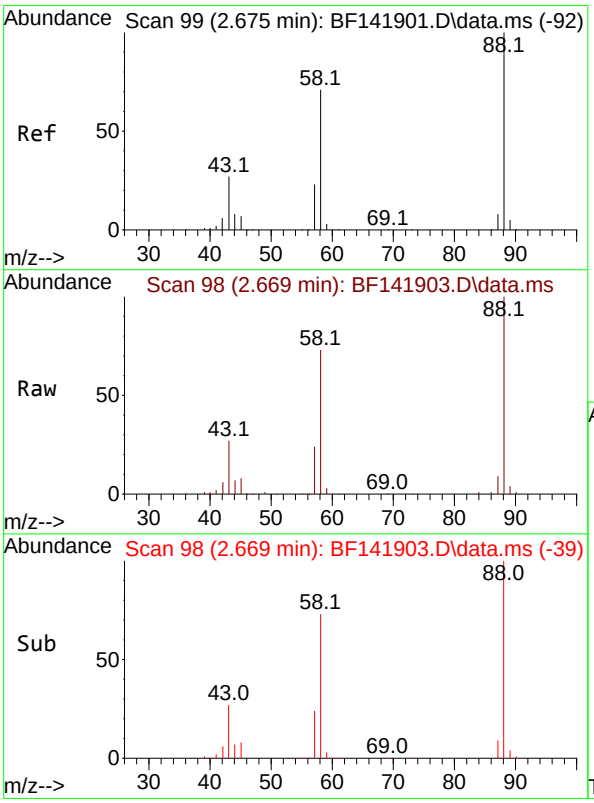
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 216861

Ion	Ratio	Lower	Upper
152	100		
150	159.8	127.4	191.2
115	65.7	51.9	77.9

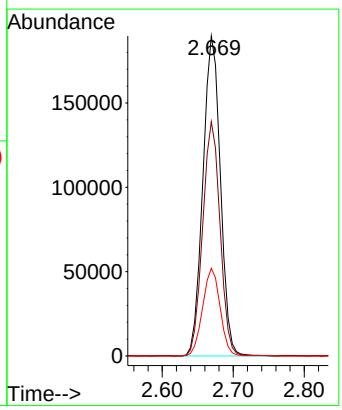


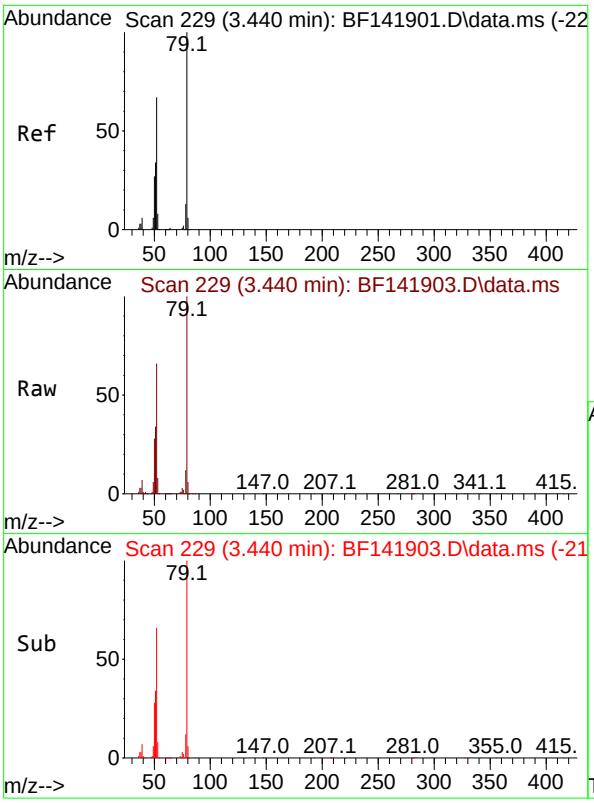


#2
1,4-Dioxane
Concen: 59.832 ng
RT: 2.669 min Scan# 98
Delta R.T. -0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion: 88 Resp: 325927

Ion	Ratio	Lower	Upper
88	100		
58	72.5	57.4	86.2
43	27.4	21.5	32.3



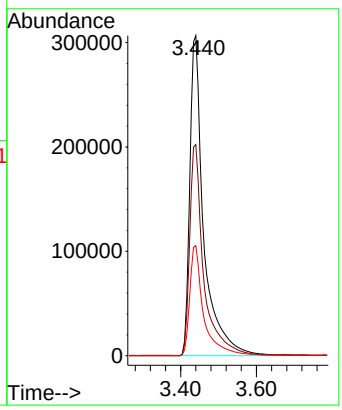


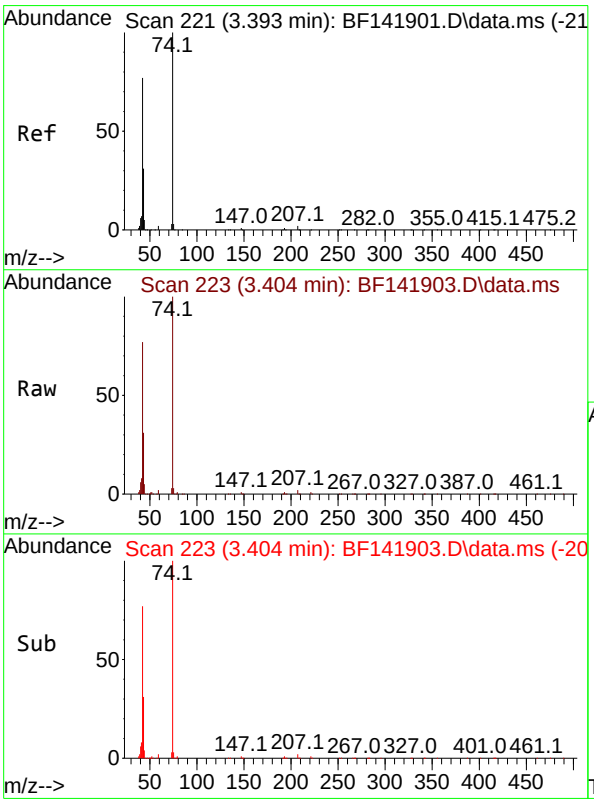
#3
Pyridine
Concen: 58.753 ng
RT: 3.440 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 786537

Ion	Ratio	Lower	Upper
79	100		
52	65.9	53.3	79.9
51	34.4	27.6	41.4

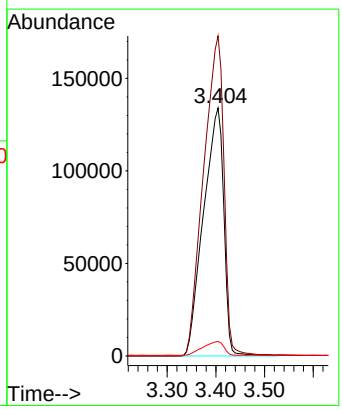


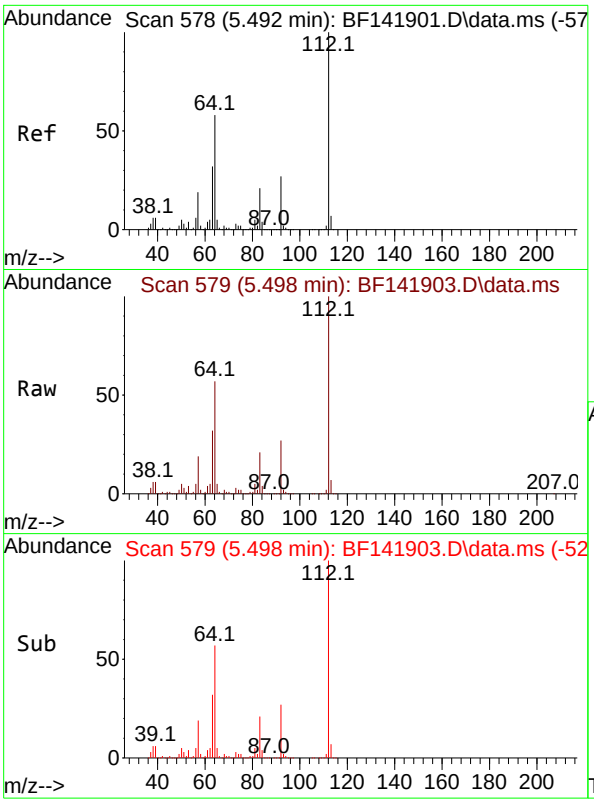


#4
n-Nitrosodimethylamine
Concen: 60.759 ng
RT: 3.404 min Scan# 223
Delta R.T. 0.012 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion: 42 Resp: 386646

Ion	Ratio	Lower	Upper
42	100		
74	129.0	103.4	155.0
44	5.8	5.0	7.4



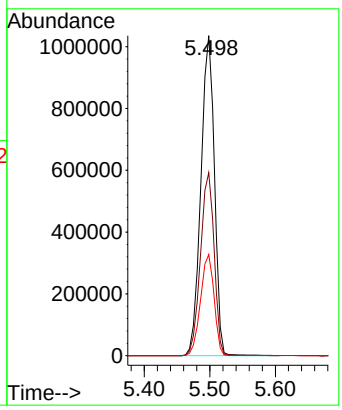


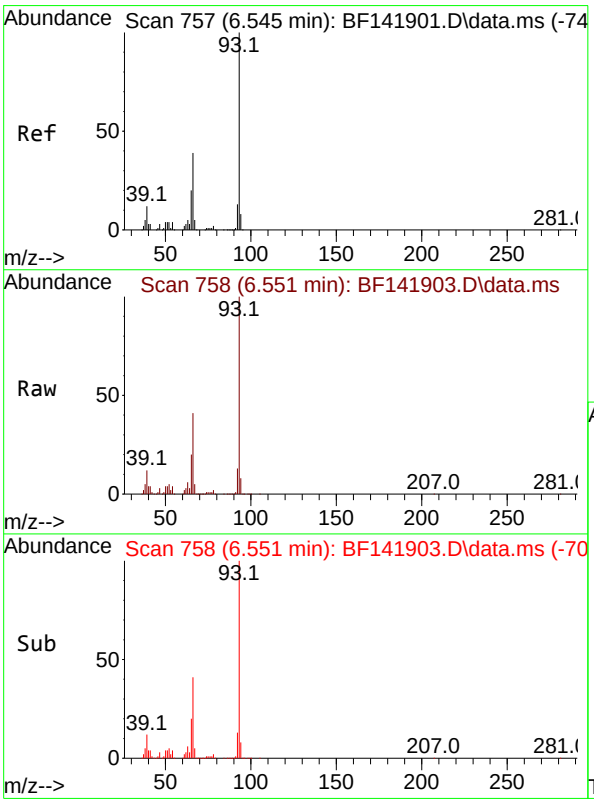
#5
2-Fluorophenol
Concen: 114.705 ng
RT: 5.498 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:112 Resp: 1490872

Ion	Ratio	Lower	Upper
112	100		
64	57.2	46.5	69.7
63	31.6	25.4	38.2

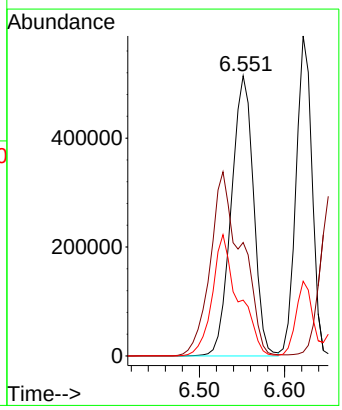


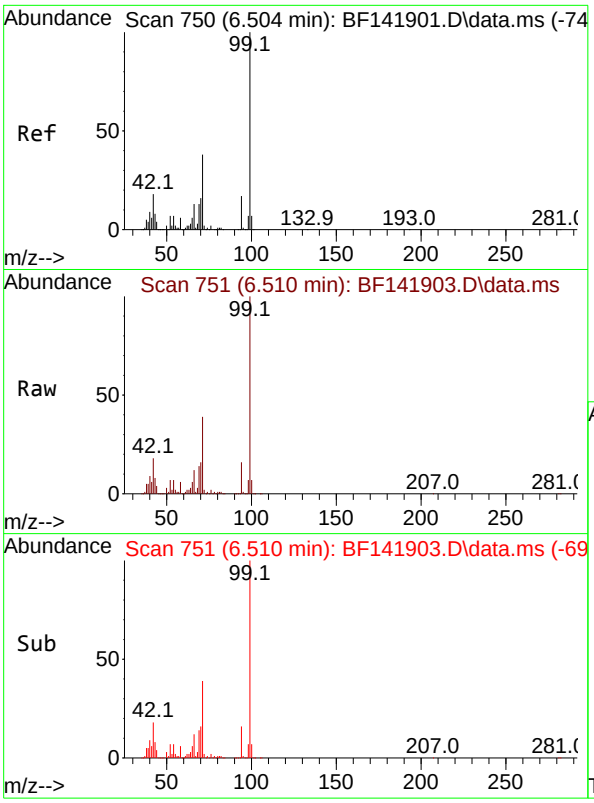


#6
Aniline
Concen: 57.146 ng
RT: 6.551 min Scan# 758
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion: 93 Resp: 933875

Ion	Ratio	Lower	Upper
93	100		
66	40.5	31.9	47.9
65	19.9	15.8	23.6



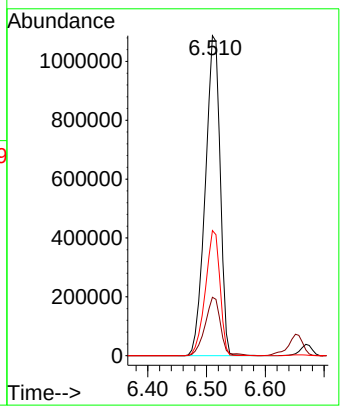


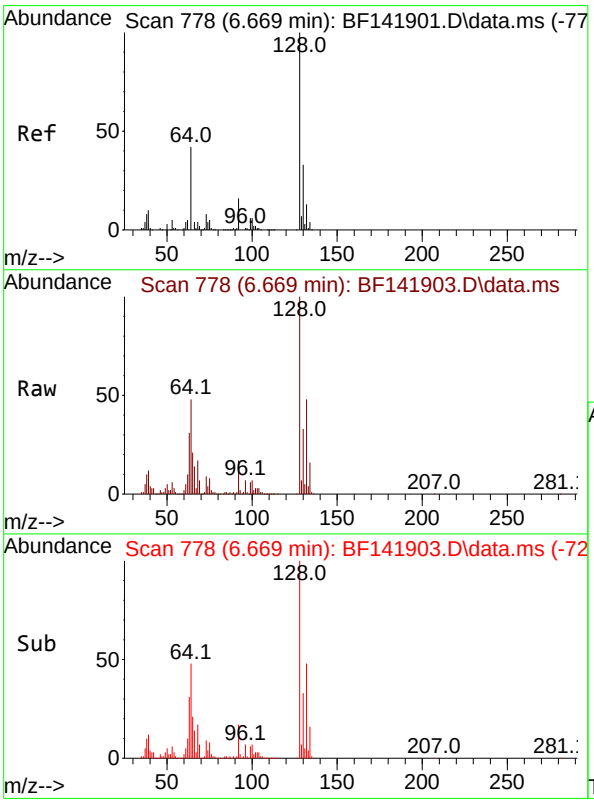
#7
Phenol-d6
Concen: 115.601 ng
RT: 6.510 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 99 Resp: 1913610

Ion	Ratio	Lower	Upper
99	100		
42	18.2	14.6	21.8
71	39.1	30.8	46.2

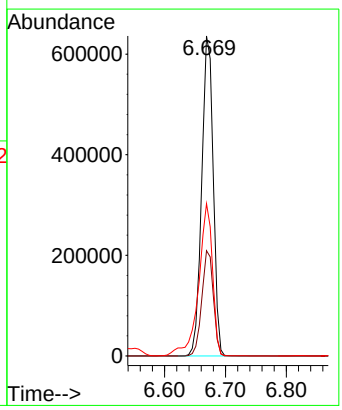


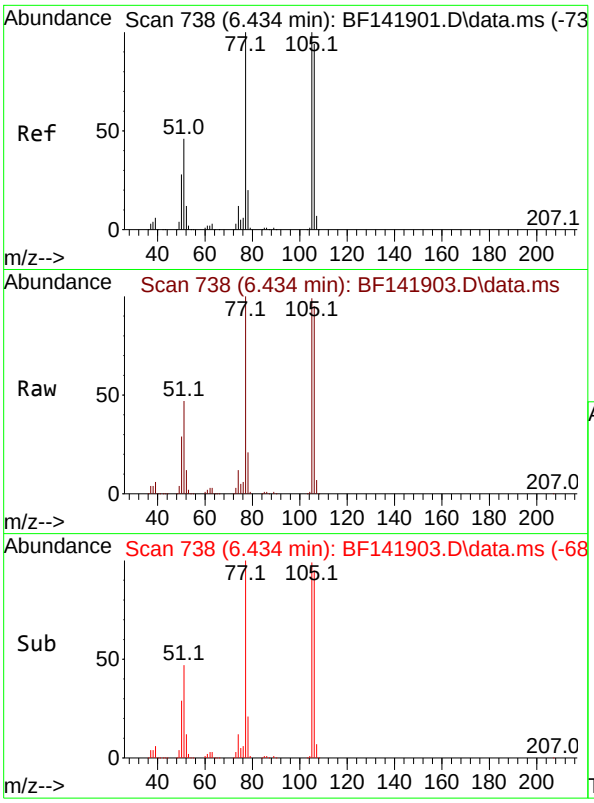


#8
2-Chlorophenol
Concen: 58.000 ng
RT: 6.669 min Scan# 778
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:128 Resp: 835549

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.8	52.8
64	47.6	24.4	64.4



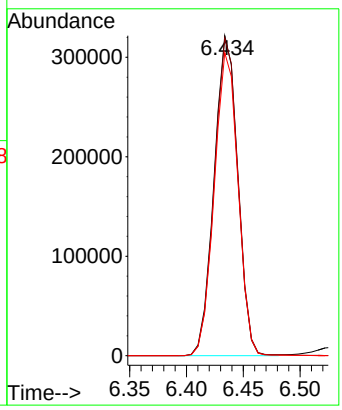


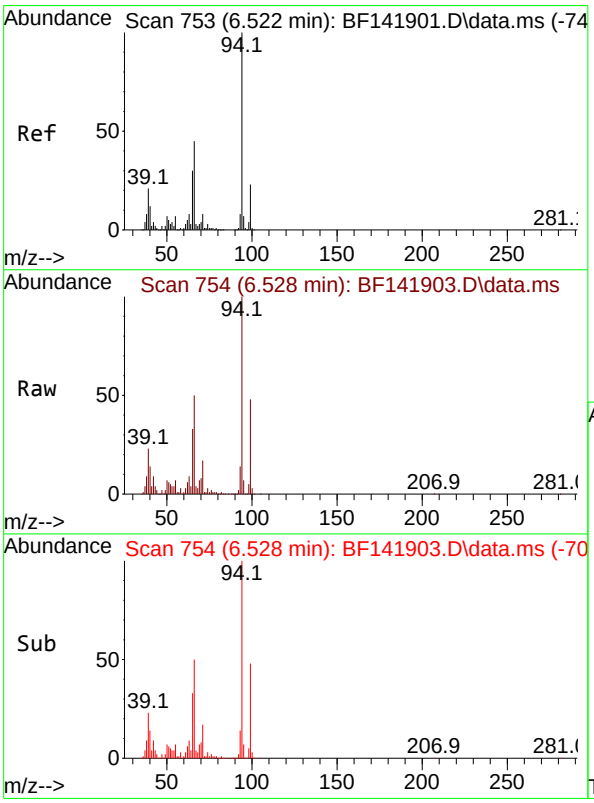
#9
Benzaldehyde
Concen: 50.311 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 465511

Ion	Ratio	Lower	Upper
77	100		
105	99.3	80.0	120.0
106	94.7	74.5	114.5

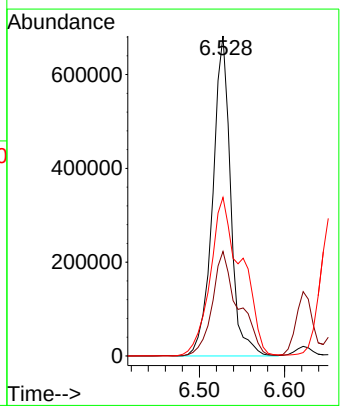


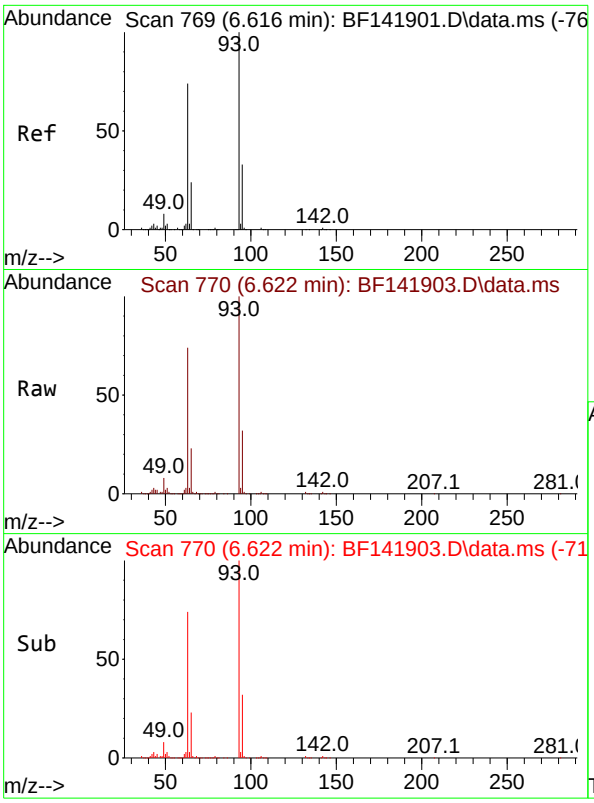


#10
Phenol
Concen: 57.074 ng
RT: 6.528 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion: 94 Resp: 996848

Ion	Ratio	Lower	Upper
94	100		
65	32.6	10.5	50.5
66	49.5	25.8	65.8



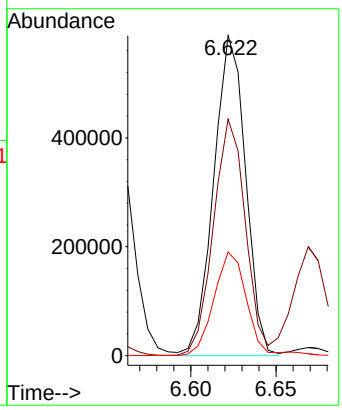


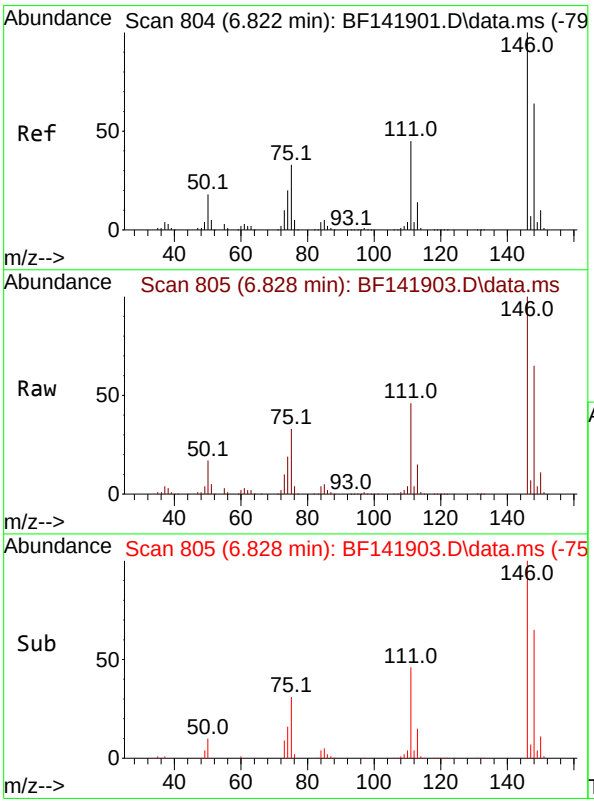
#11
bis(2-Chloroethyl)ether
Concen: 58.464 ng
RT: 6.622 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 765071

Ion	Ratio	Lower	Upper
93	100		
63	73.9	53.0	93.0
95	32.4	12.9	52.9

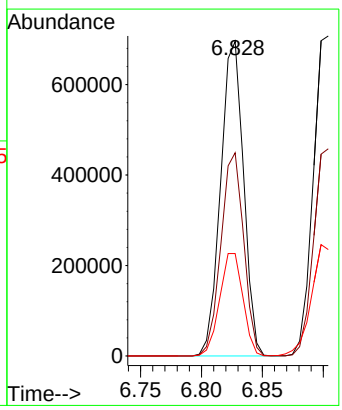


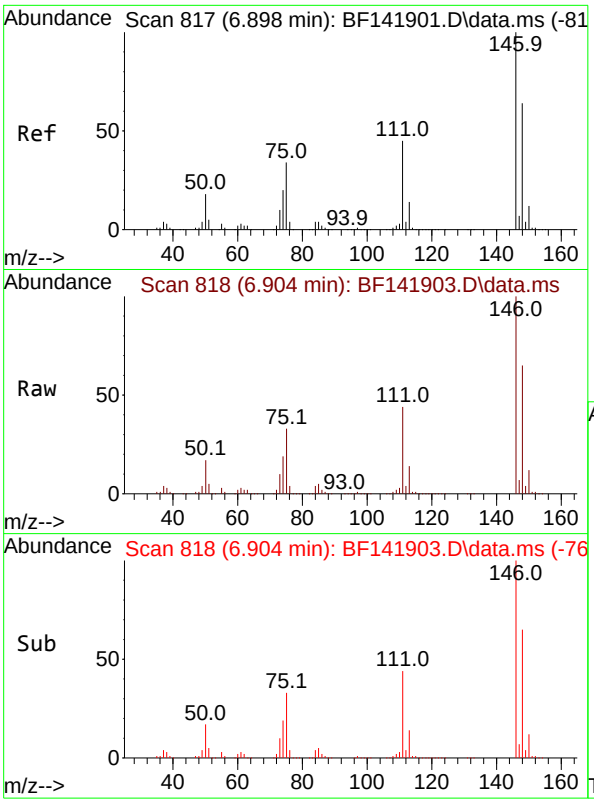


#12
1,3-Dichlorobenzene
Concen: 58.540 ng
RT: 6.828 min Scan# 805
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:146 Resp: 911340

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.3	76.9
75	32.6	26.6	40.0



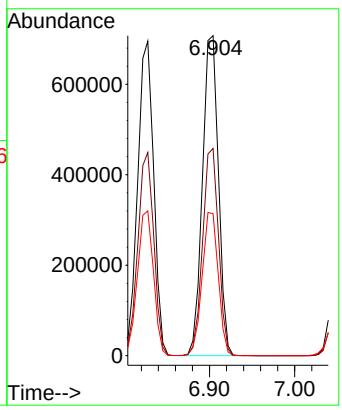


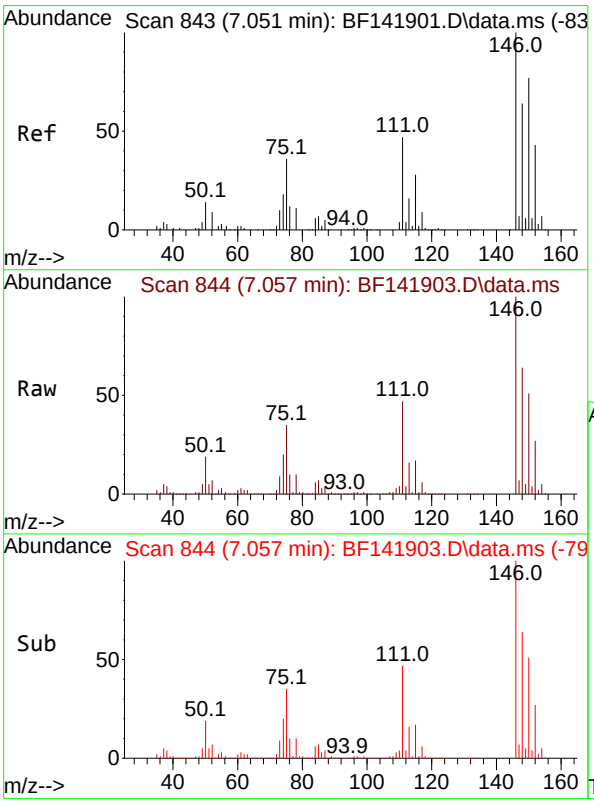
#13
1,4-Dichlorobenzene
Concen: 58.635 ng
RT: 6.904 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:146 Resp: 923545

Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.0	76.6
111	44.4	35.7	53.5

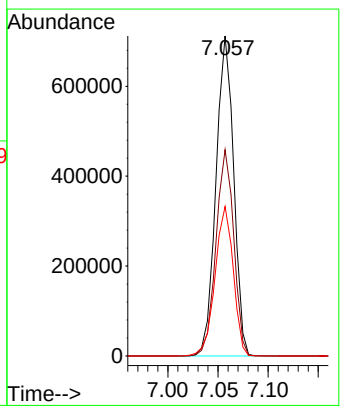


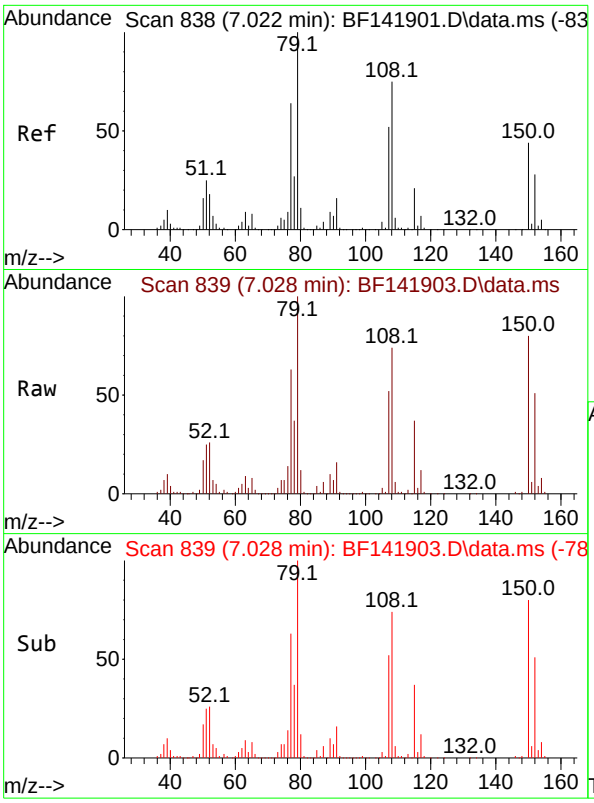


#14
1,2-Dichlorobenzene
Concen: 58.898 ng
RT: 7.057 min Scan# 844
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:146 Resp: 873604

Ion	Ratio	Lower	Upper
146	100		
148	64.4	50.8	76.2
111	46.7	38.0	57.0



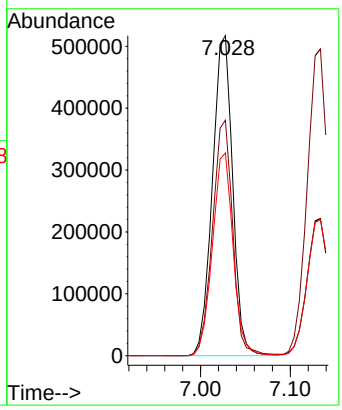


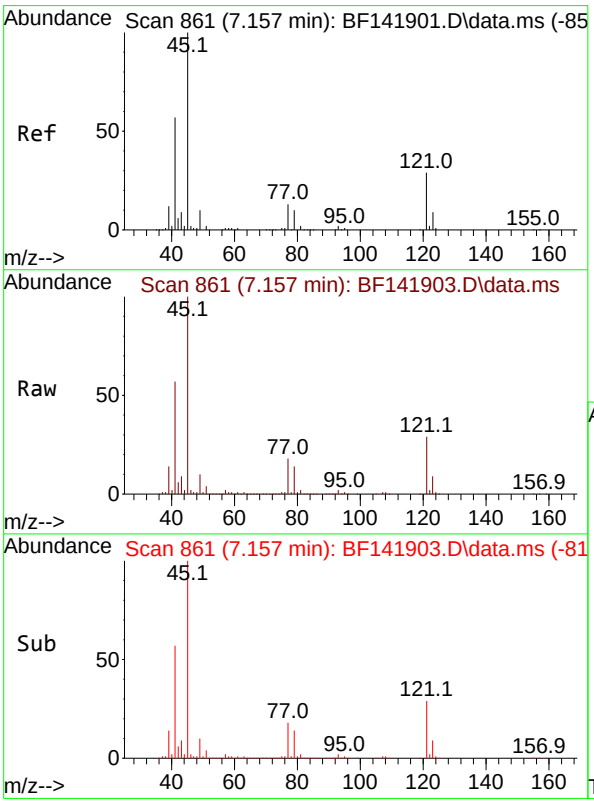
#15
Benzyl Alcohol
Concen: 60.480 ng
RT: 7.028 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 810347

Ion	Ratio	Lower	Upper
79	100		
108	73.6	59.7	89.5
77	63.4	51.0	76.6

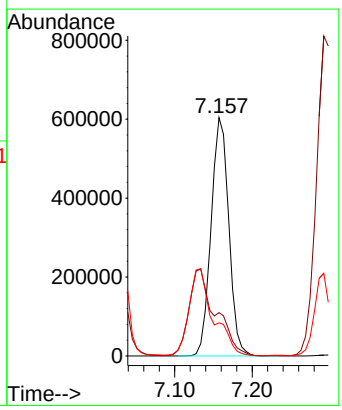


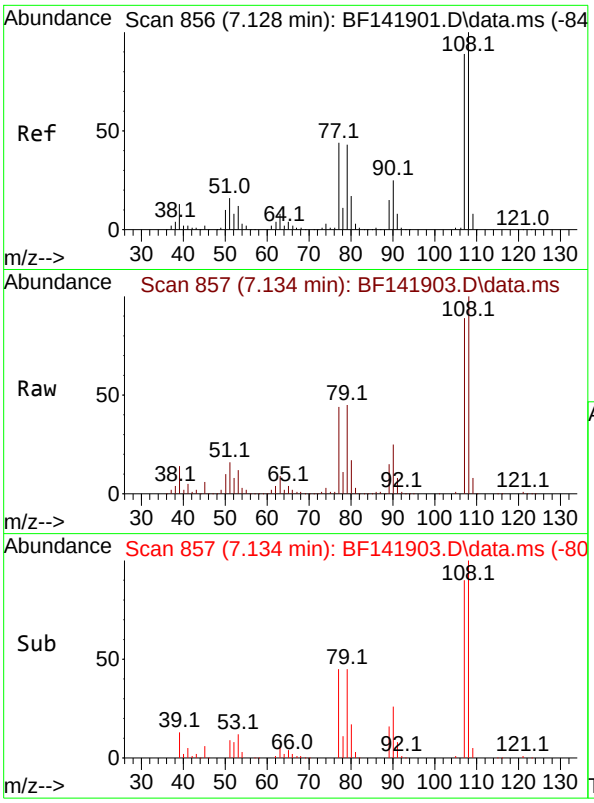


#16
2,2'-oxybis(1-Chloropropane)
Concen: 60.730 ng
RT: 7.157 min Scan# 861
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion: 45 Resp: 957808

Ion	Ratio	Lower	Upper
45	100		
77	18.2	0.0	37.8
79	13.9	0.0	34.2



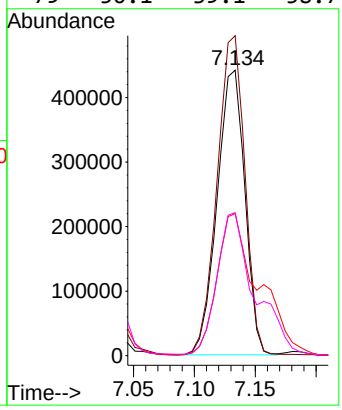


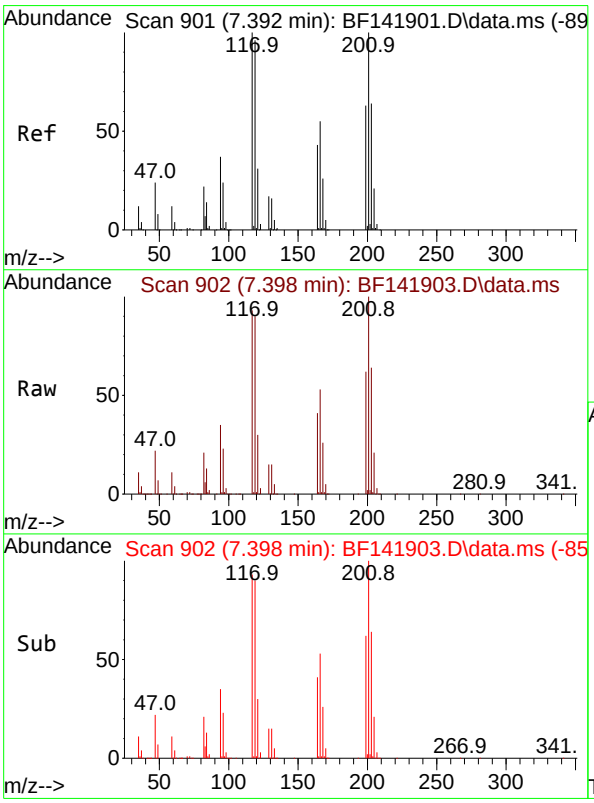
#17
2-Methylphenol
Concen: 61.285 ng
RT: 7.134 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 701676

Ion	Ratio	Lower	Upper
107	100		
108	112.1	90.2	135.2
77	49.8	39.6	59.4
79	50.1	39.1	58.7

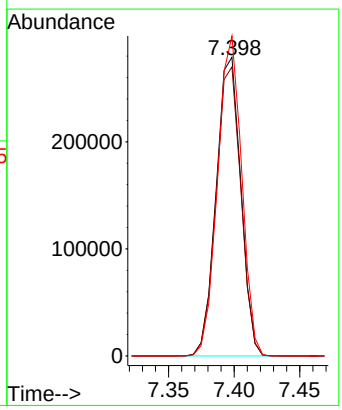


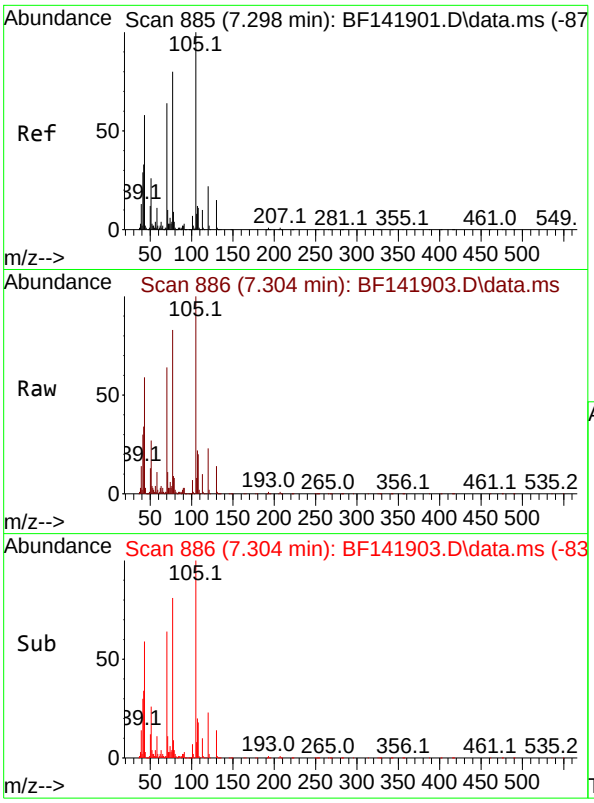


#18
Hexachloroethane
Concen: 61.734 ng
RT: 7.398 min Scan# 902
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:117 Resp: 364561

Ion	Ratio	Lower	Upper
117	100		
119	96.8	76.9	115.3
201	107.1	79.9	119.9



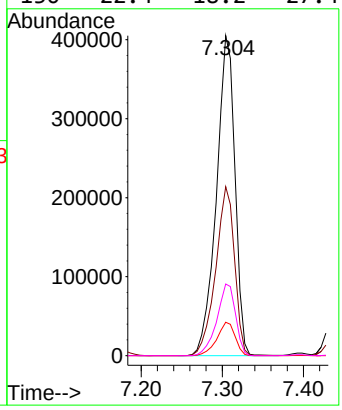


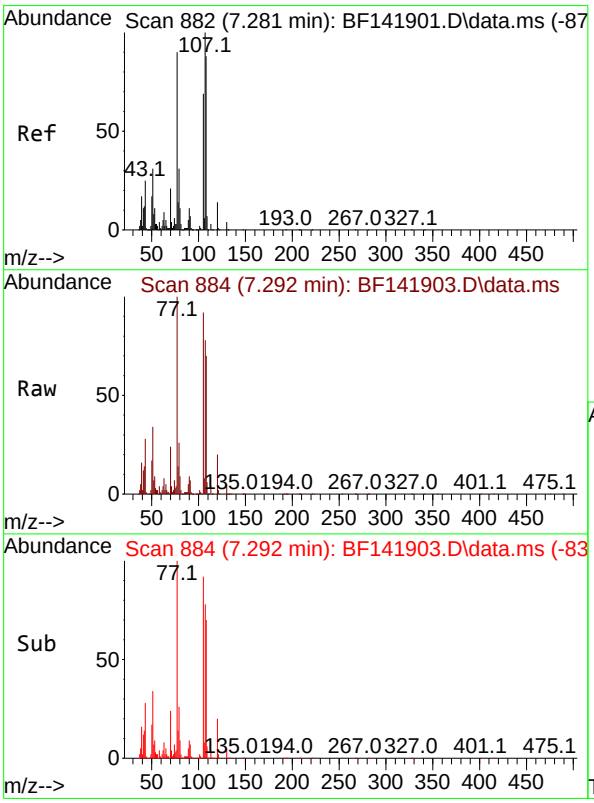
#19
n-Nitroso-di-n-propylamine
Concen: 60.576 ng
RT: 7.304 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 70 Resp: 644501

Ion	Ratio	Lower	Upper
70	100		
42	52.8	41.4	62.0
101	10.4	8.2	12.2
130	22.4	18.2	27.4

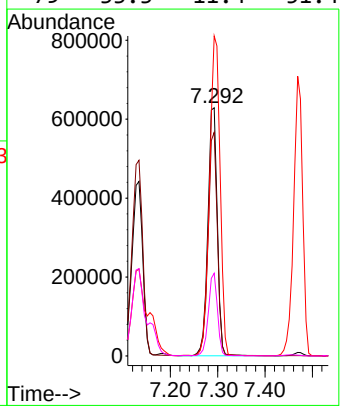


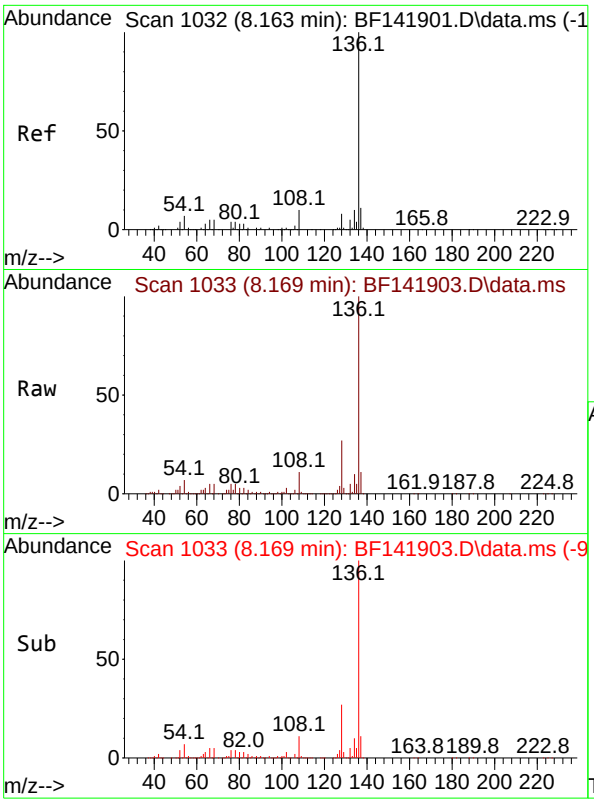


#20
3+4-Methylphenols
Concen: 59.116 ng
RT: 7.292 min Scan# 884
Delta R.T. 0.012 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:107 Resp: 868157

Ion	Ratio	Lower	Upper
107	100		
108	90.1	68.4	108.4
77	128.9	69.7	109.7#
79	33.3	11.4	51.4



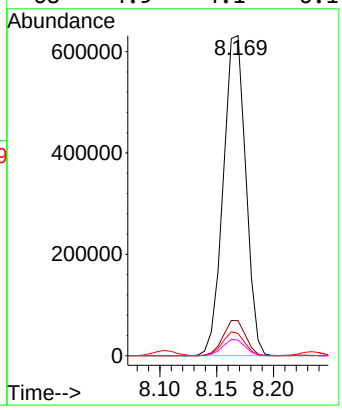


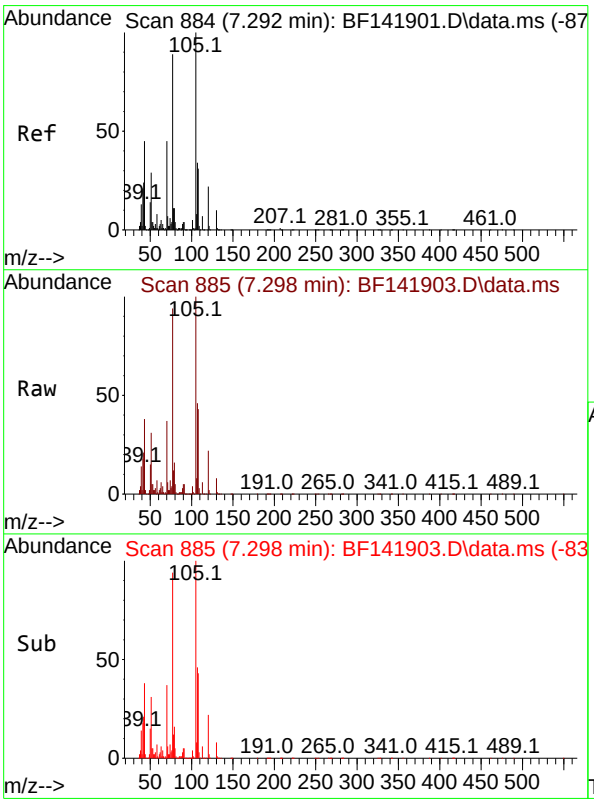
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:136 Resp: 872222

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	7.0	5.8	8.8
68	4.9	4.1	6.1

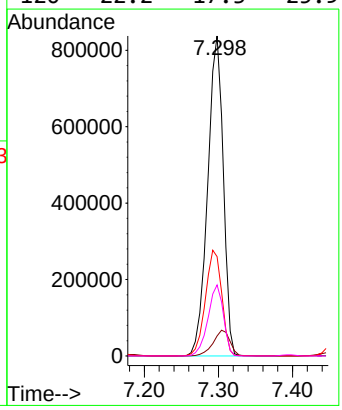


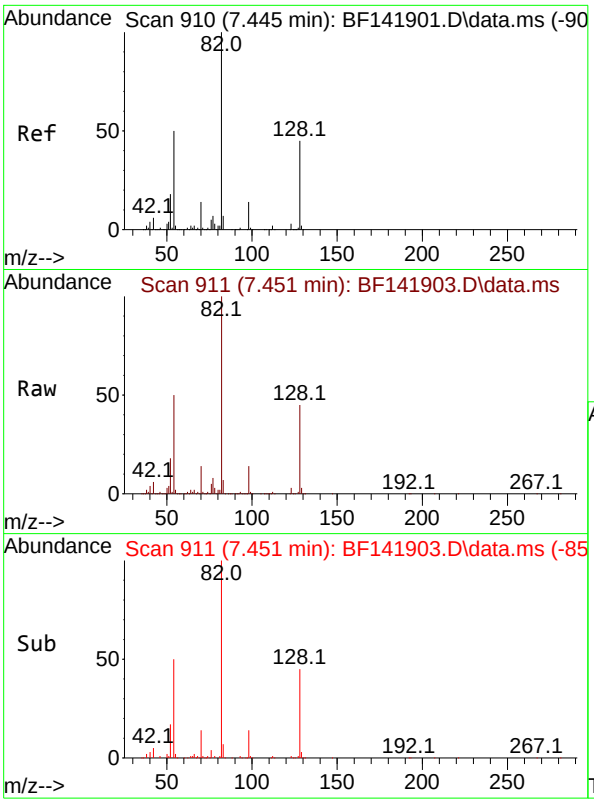


#22
Acetophenone
Concen: 58.635 ng
RT: 7.298 min Scan# 885
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:105 Resp: 1226859

Ion	Ratio	Lower	Upper
105	100		
71	6.2	5.8	8.8
51	31.1	23.4	35.0
120	22.2	17.3	25.9



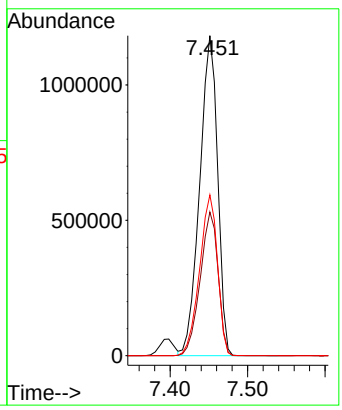


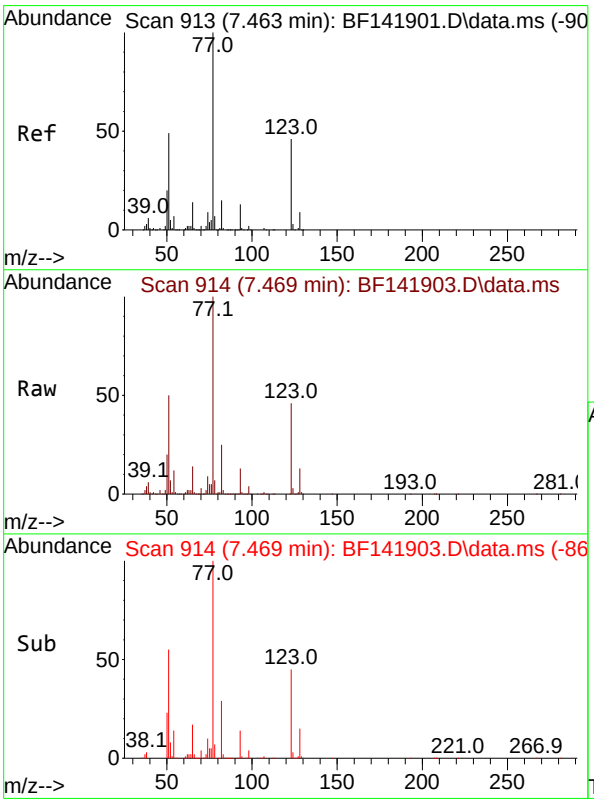
#23
Nitrobenzene-d5
Concen: 122.074 ng
RT: 7.451 min Scan# 91
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 1899726

Ion	Ratio	Lower	Upper
82	100		
128	44.9	36.0	54.0
54	50.3	39.6	59.4

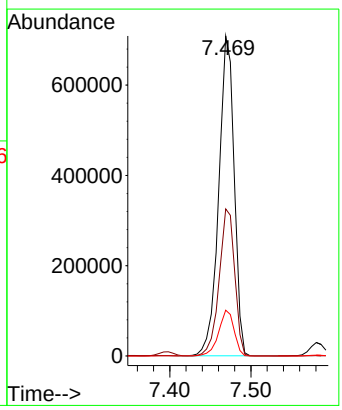


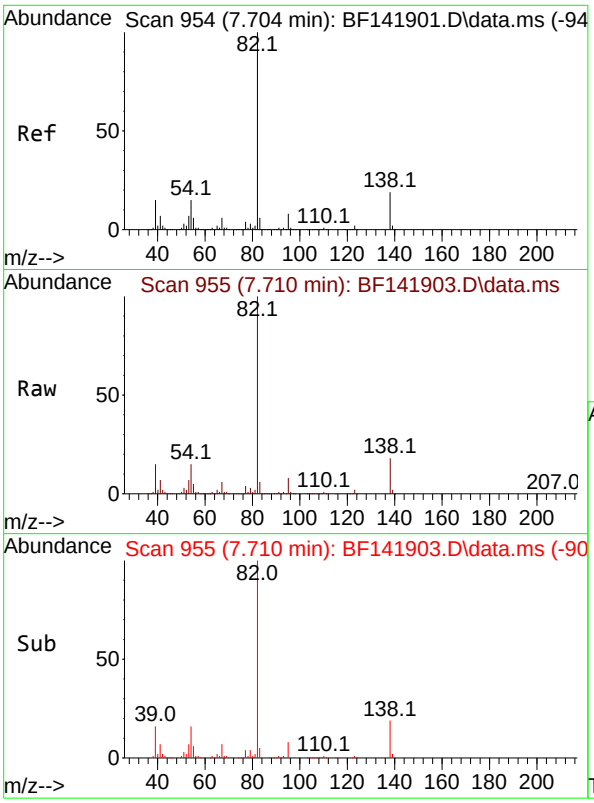


#24
Nitrobenzene
Concen: 60.889 ng
RT: 7.469 min Scan# 914
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion: 77 Resp: 939508

Ion	Ratio	Lower	Upper
77	100		
123	45.9	37.0	55.4
65	14.3	11.3	16.9



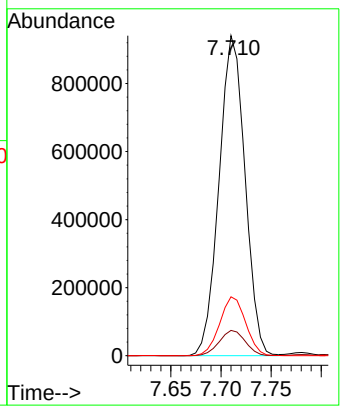


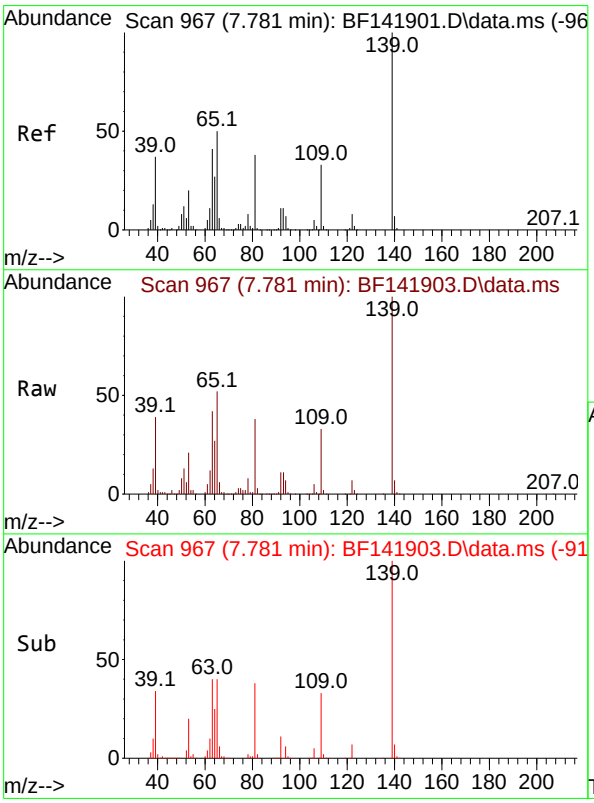
#25
Isophorone
Concen: 61.720 ng
RT: 7.710 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 1695749

Ion	Ratio	Lower	Upper
82	100		
95	7.9	6.4	9.6
138	18.4	14.9	22.3

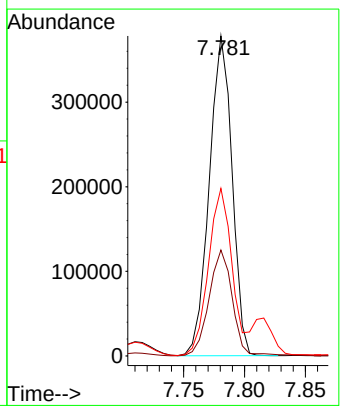


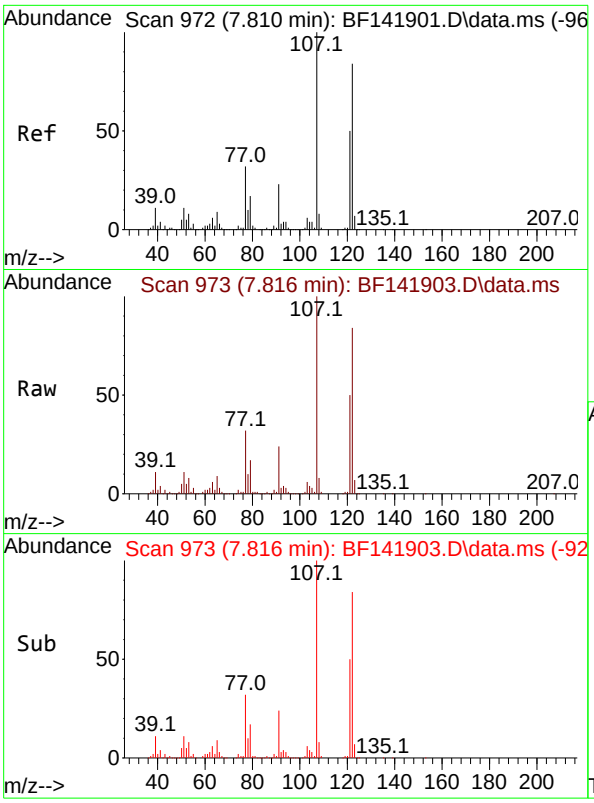


#26
2-Nitrophenol
Concen: 64.978 ng
RT: 7.781 min Scan# 967
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:139 Resp: 491301

Ion	Ratio	Lower	Upper
139	100		
109	33.1	26.5	39.7
65	52.3	40.3	60.5



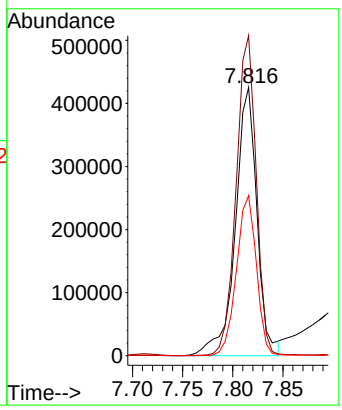


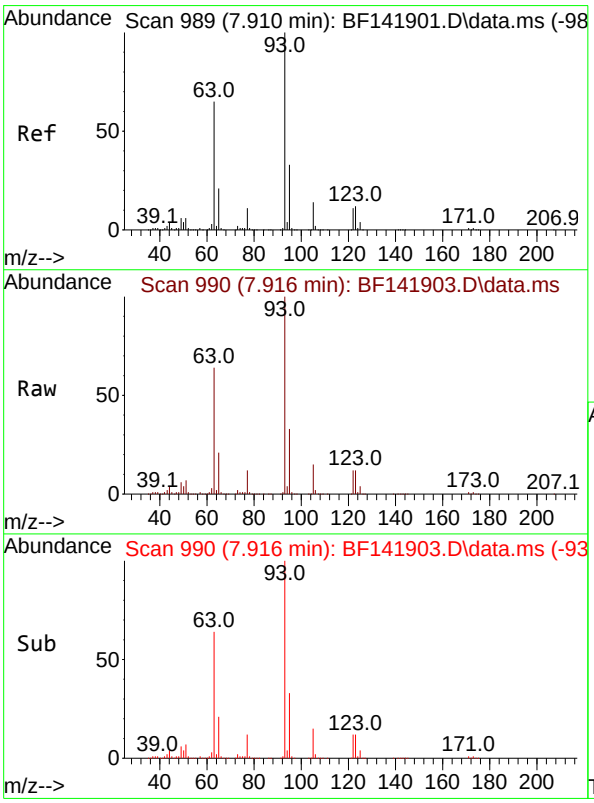
#27
2,4-Dimethylphenol
Concen: 61.408 ng
RT: 7.816 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:122 Resp: 639505

Ion	Ratio	Lower	Upper
122	100		
107	119.4	94.8	142.2
121	59.7	47.8	71.6

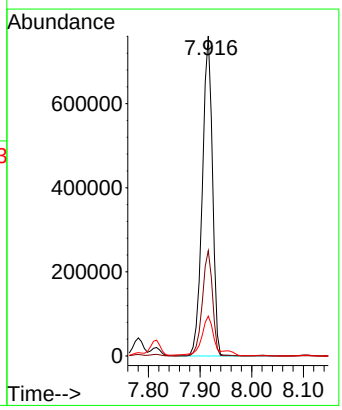


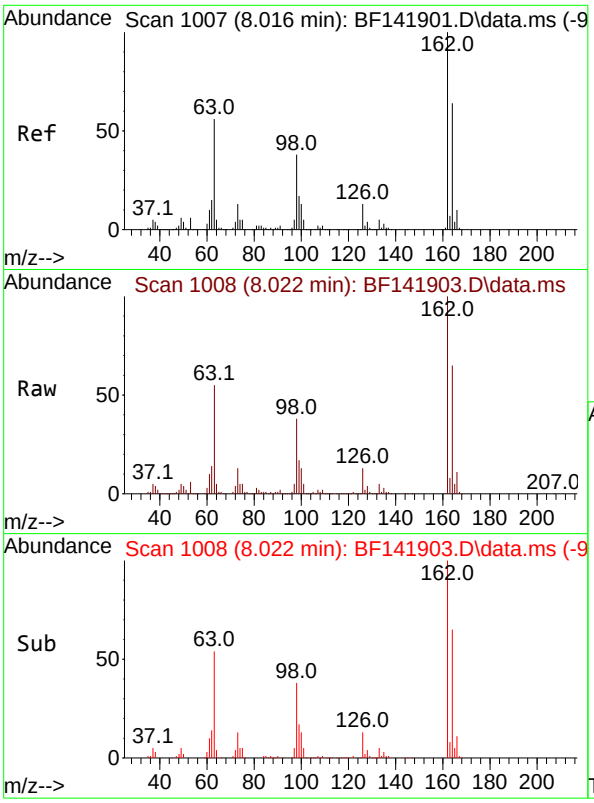


#28
bis(2-Chloroethoxy)methane
Concen: 60.422 ng
RT: 7.916 min Scan# 990
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion: 93 Resp: 1039951

Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.6	40.0
123	12.5	10.2	15.4



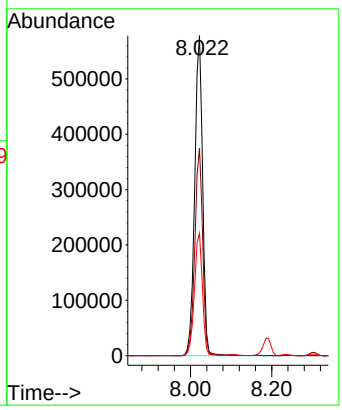


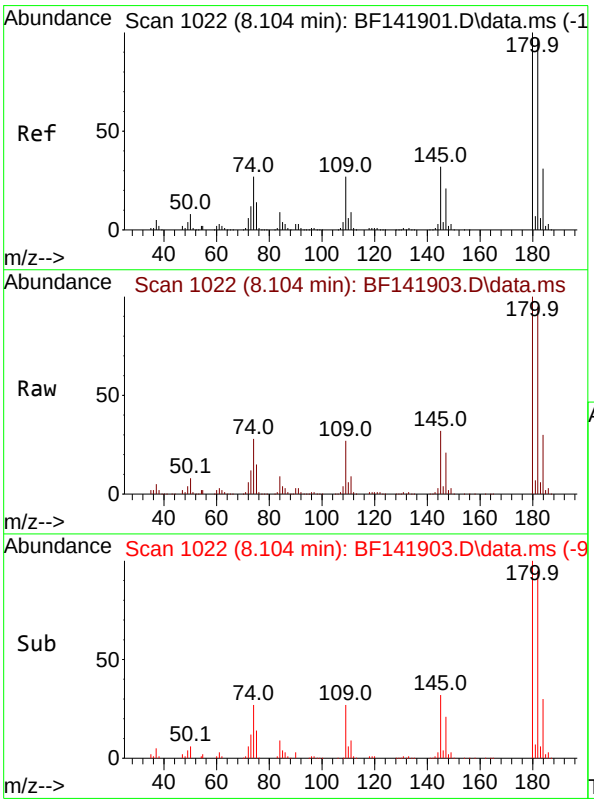
#29
2,4-Dichlorophenol
Concen: 61.272 ng
RT: 8.022 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 791904

Ion	Ratio	Lower	Upper
162	100		
164	64.9	43.8	83.8
98	38.3	18.1	58.1

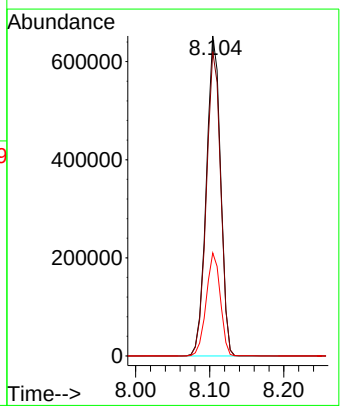


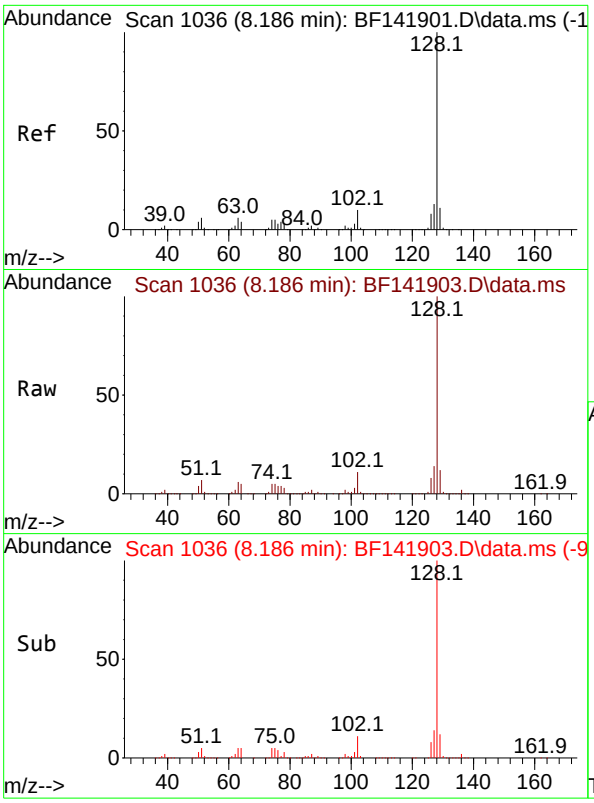


#30
1,2,4-Trichlorobenzene
Concen: 61.044 ng
RT: 8.104 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:180 Resp: 870403

Ion	Ratio	Lower	Upper
180	100		
182	95.1	77.5	116.3
145	32.2	25.8	38.6



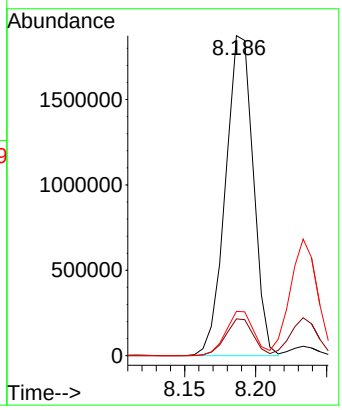


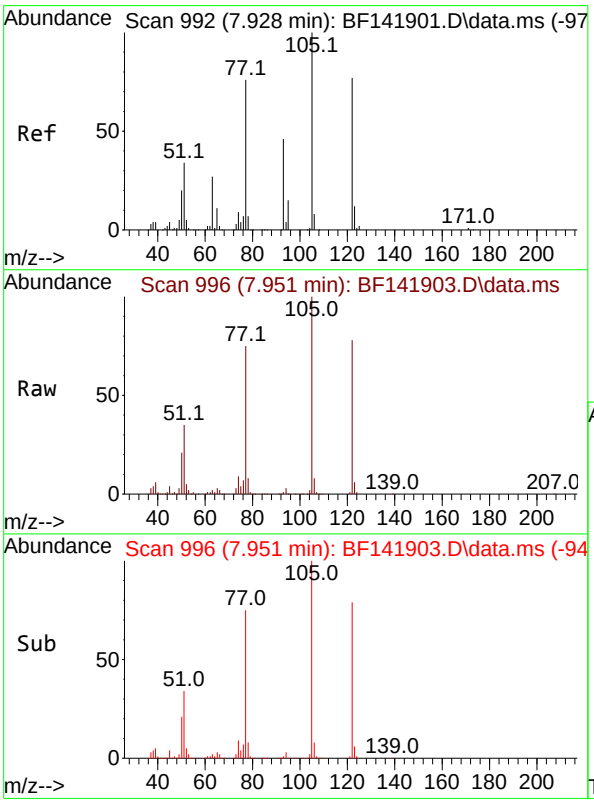
#31
Naphthalene
Concen: 56.961 ng
RT: 8.186 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:128 Resp: 2545181

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.0	13.6
127	13.8	10.8	16.2

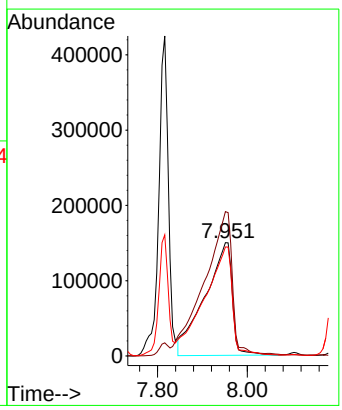


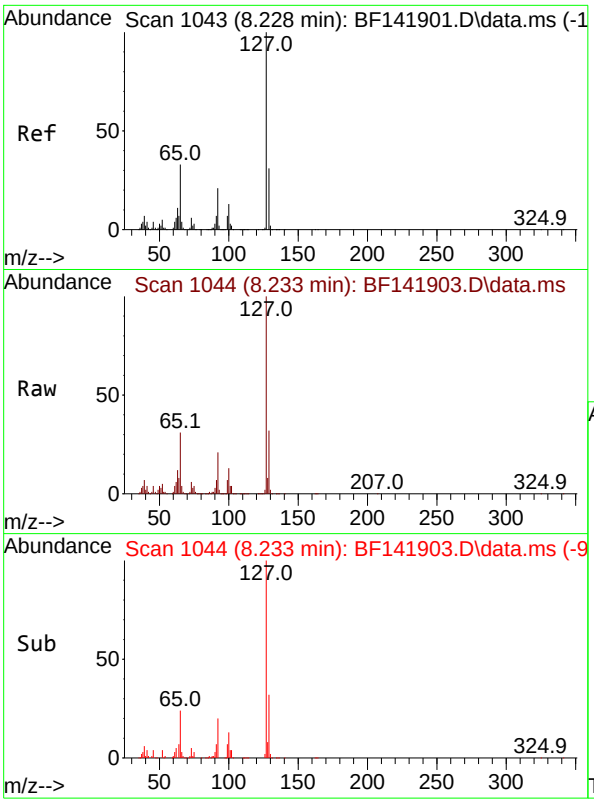


#32
Benzoic acid
Concen: 69.664 ng
RT: 7.951 min Scan# 996
Delta R.T. 0.023 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:122 Resp: 634105

Ion	Ratio	Lower	Upper
122	100		
105	127.5	107.9	147.9
77	96.2	79.0	119.0



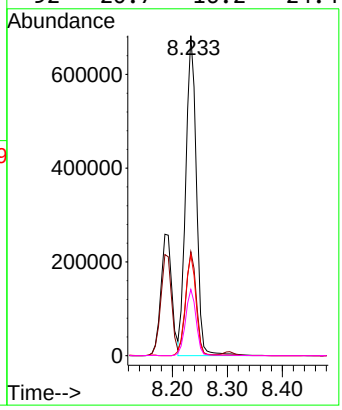


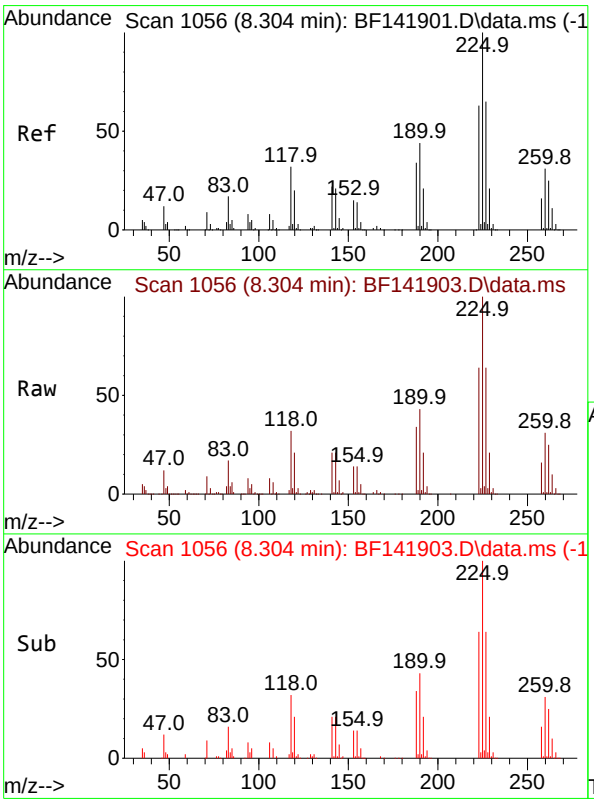
#33
4-Chloroaniline
Concen: 58.348 ng
RT: 8.233 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:127 Resp: 920015

Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.2	39.4
65	31.5	25.4	38.2
92	20.7	16.2	24.4

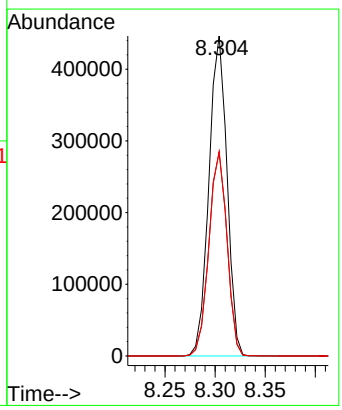


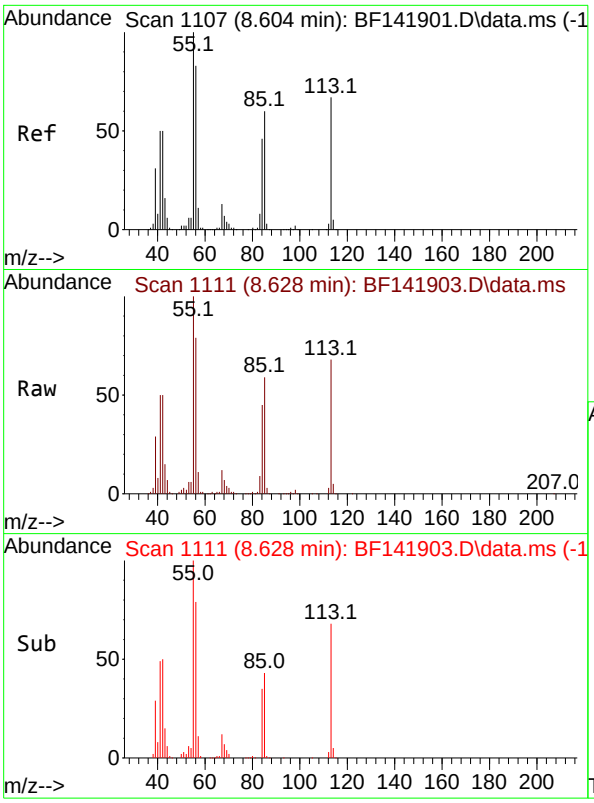


#34
Hexachlorobutadiene
Concen: 60.397 ng
RT: 8.304 min Scan# 1056
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:225 Resp: 559955

Ion	Ratio	Lower	Upper
225	100		
223	63.8	50.6	75.8
227	63.8	52.2	78.2



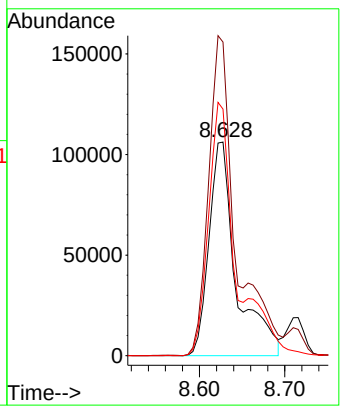


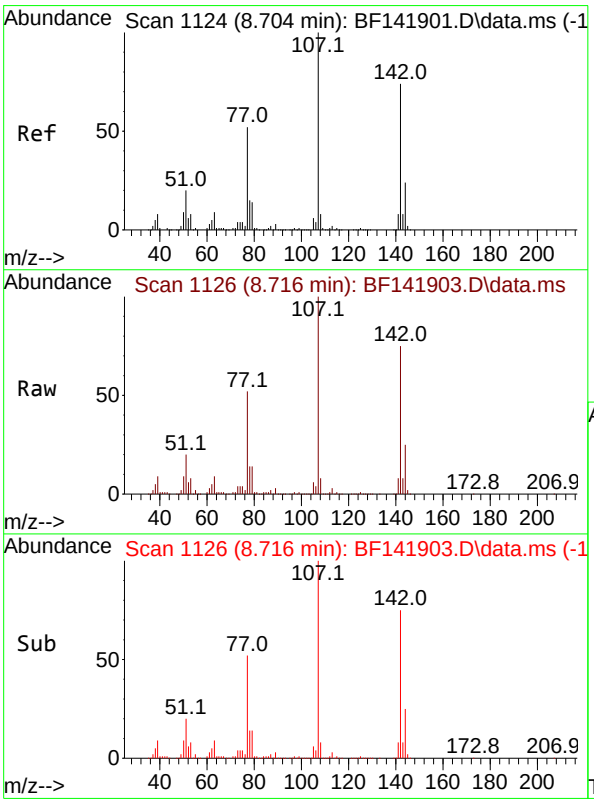
#35
Caprolactam
Concen: 60.015 ng
RT: 8.628 min Scan# 11
Delta R.T. 0.024 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:113 Resp: 235861

Ion	Ratio	Lower	Upper
113	100		
55	146.7	129.6	169.6
56	115.4	104.0	144.0

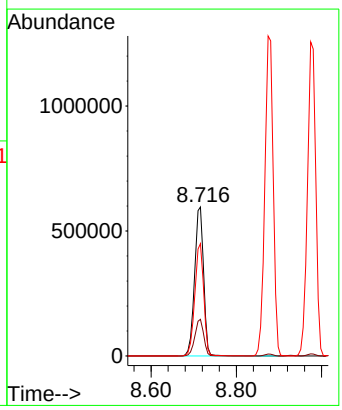


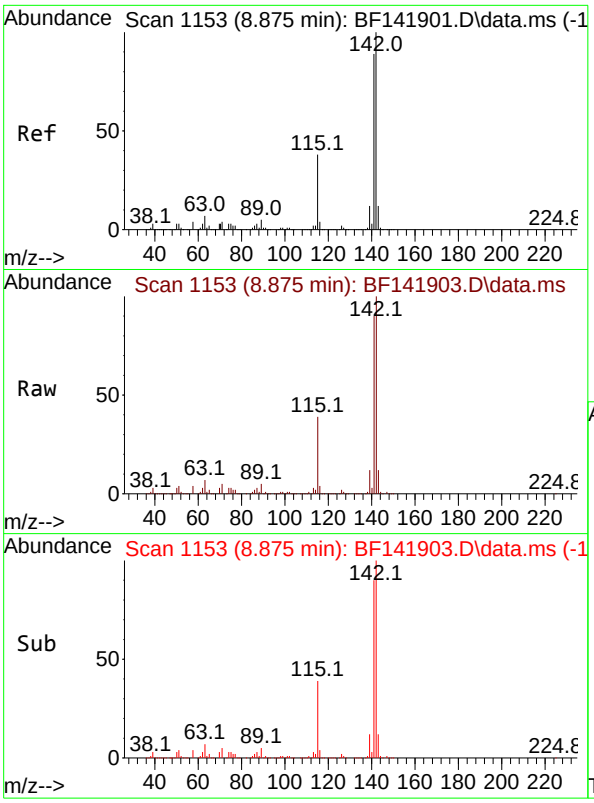


#36
4-Chloro-3-methylphenol
Concen: 60.807 ng
RT: 8.716 min Scan# 1126
Delta R.T. 0.012 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:107 Resp: 874022

Ion	Ratio	Lower	Upper
107	100		
144	24.6	19.0	28.6
142	75.4	59.2	88.8



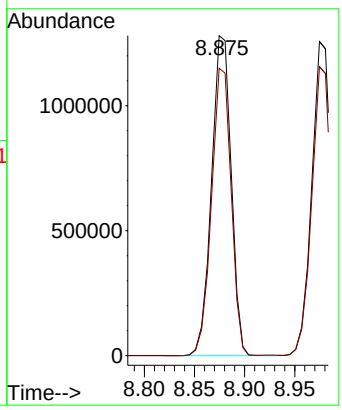


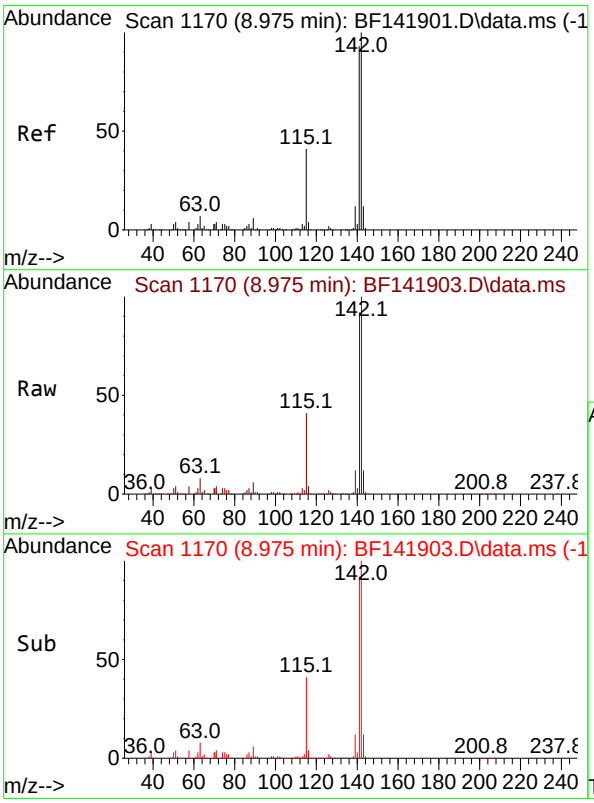
#37
2-Methylnaphthalene
Concen: 58.187 ng
RT: 8.875 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 1744374

Ion	Ratio	Lower	Upper
142	100		
141	89.8	71.2	106.8

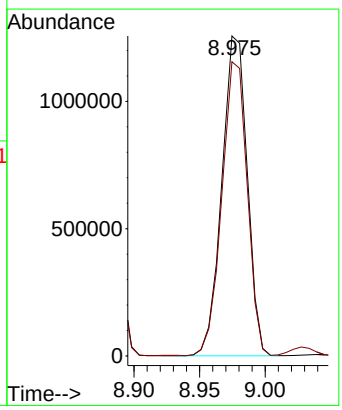


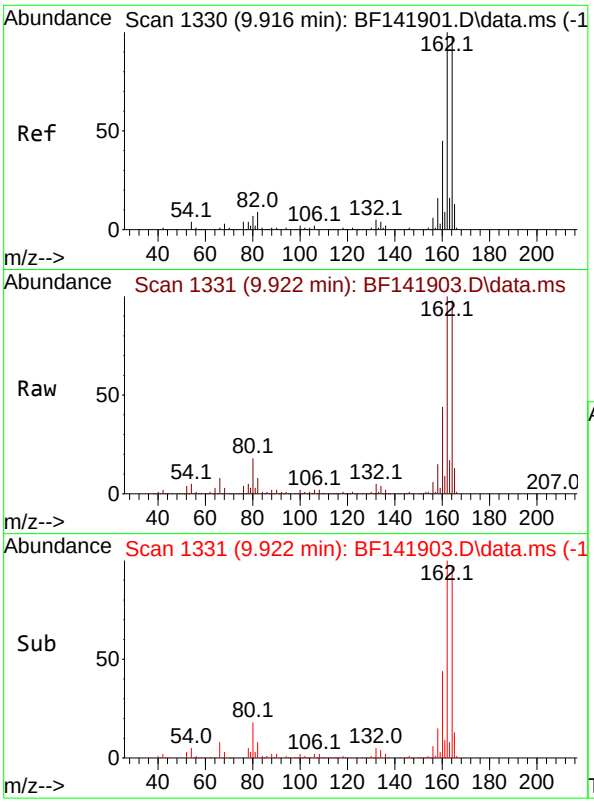


#38
1-Methylnaphthalene
Concen: 58.285 ng
RT: 8.975 min Scan# 1170
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:142 Resp: 1692113

Ion	Ratio	Lower	Upper
142	100		
141	92.0	74.2	111.4



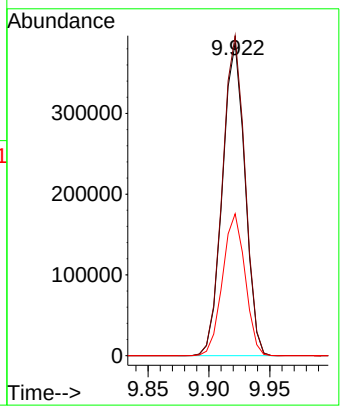


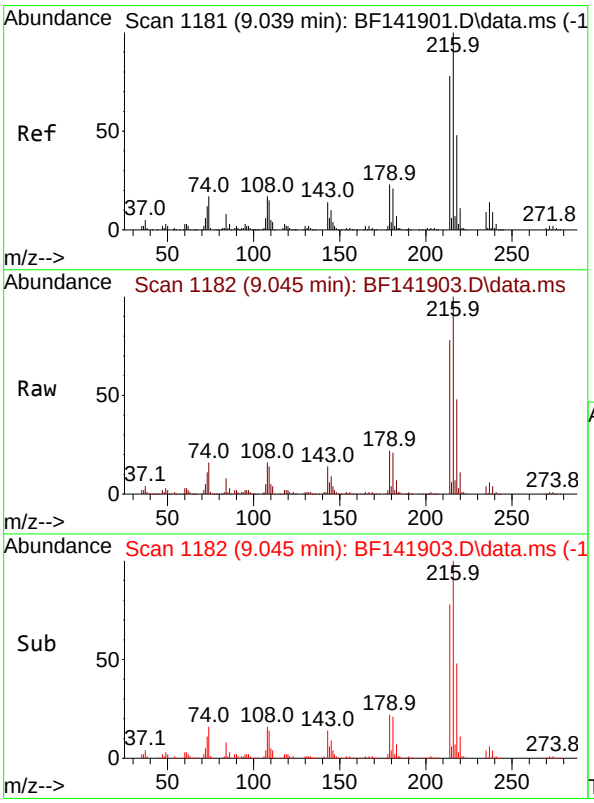
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:164 Resp: 497194

Ion	Ratio	Lower	Upper
164	100		
162	102.3	81.8	122.6
160	45.4	36.7	55.1

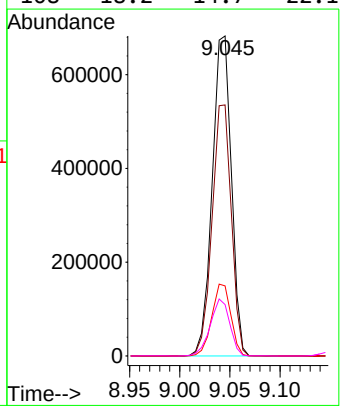


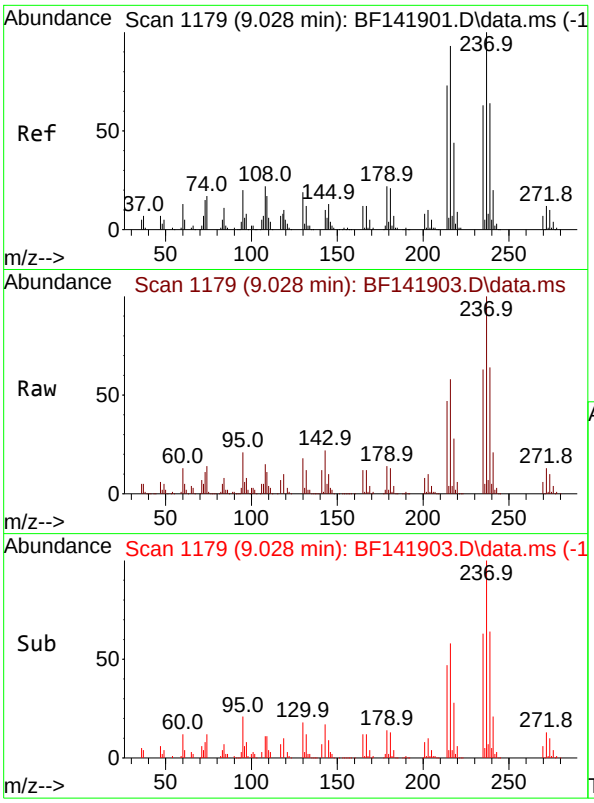


#40
1,2,4,5-Tetrachlorobenzene
Concen: 59.627 ng
RT: 9.045 min Scan# 1182
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:216 Resp: 903928

Ion	Ratio	Lower	Upper
216	100		
214	78.9	61.9	92.9
179	22.3	18.1	27.1
108	18.2	14.7	22.1



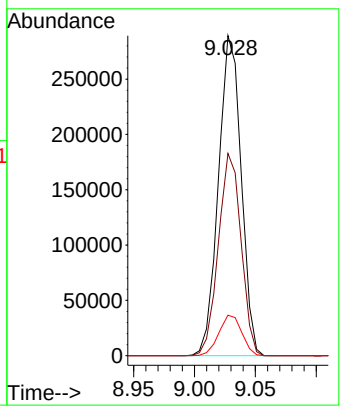


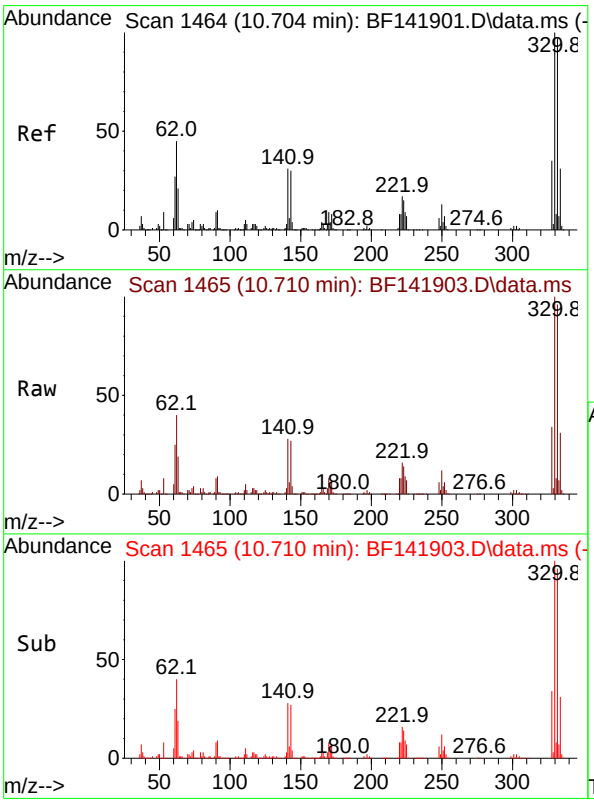
#41
Hexachlorocyclopentadiene
Concen: 62.842 ng
RT: 9.028 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:237 Resp: 375919

Ion	Ratio	Lower	Upper
237	100		
235	63.2	43.1	83.1
272	12.6	0.0	32.0

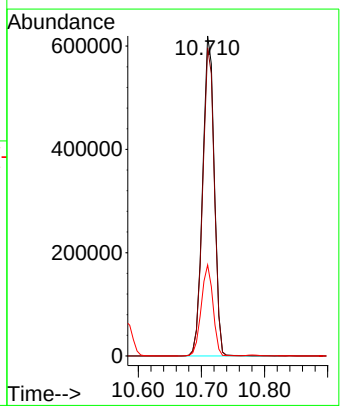


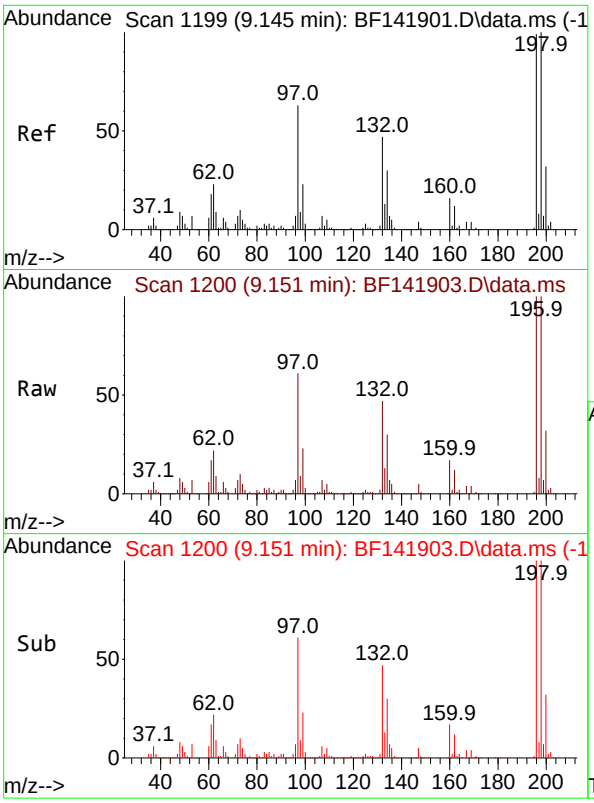


#42
2,4,6-Tribromophenol
Concen: 125.609 ng
RT: 10.710 min Scan# 1465
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:330 Resp: 791365

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.6	116.4
141	28.7	24.7	37.1



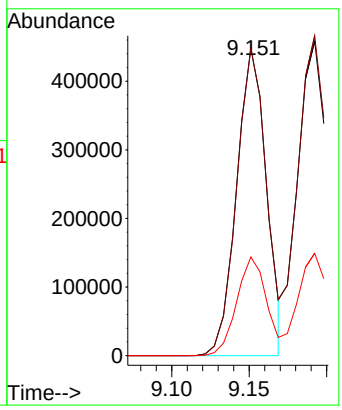


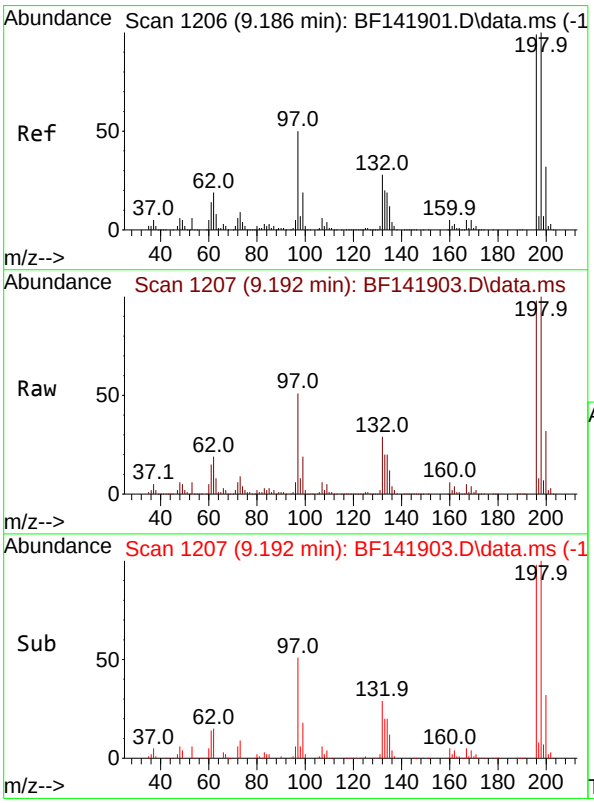
#43
2,4,6-Trichlorophenol
Concen: 60.479 ng
RT: 9.151 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:196 Resp: 597686

Ion	Ratio	Lower	Upper
196	100		
198	99.8	80.6	121.0
200	32.1	25.8	38.6

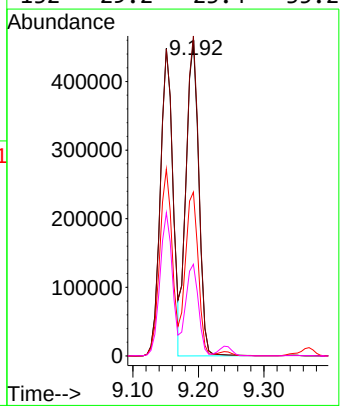


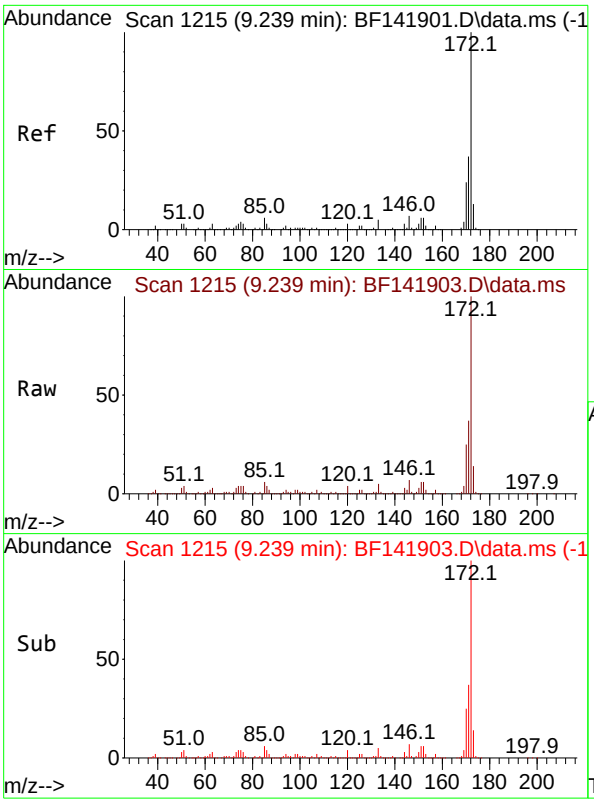


#44
2,4,5-Trichlorophenol
Concen: 61.642 ng
RT: 9.192 min Scan# 1207
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:196 Resp: 618930

Ion	Ratio	Lower	Upper
196	100		
198	101.7	80.7	121.1
97	52.1	42.1	63.1
132	29.2	23.4	35.2



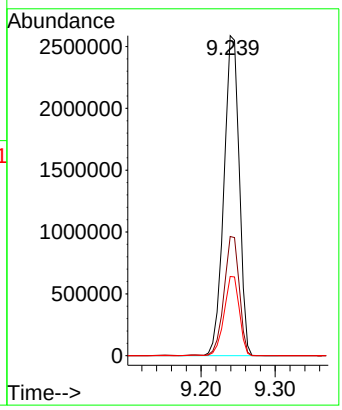


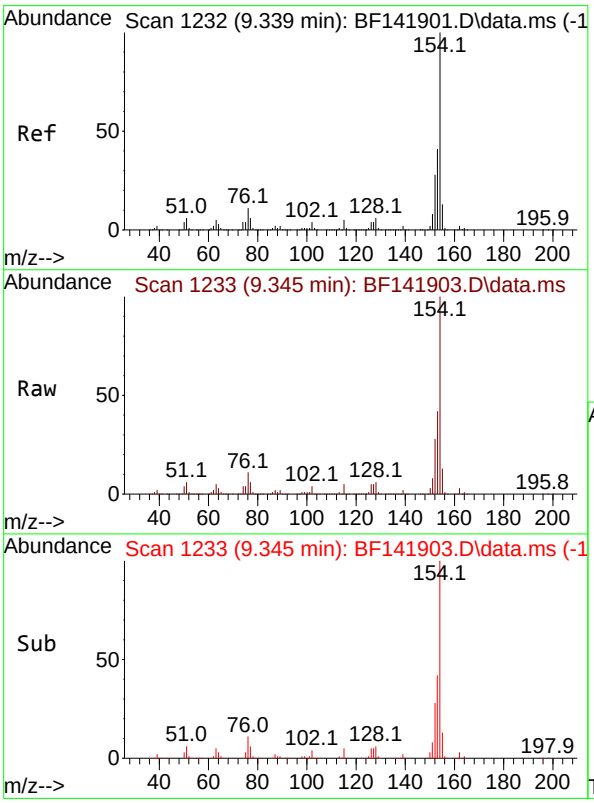
#45
2-Fluorobiphenyl
Concen: 113.827 ng
RT: 9.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:172 Resp: 3716590

Ion	Ratio	Lower	Upper
172	100		
171	37.3	29.3	43.9
170	24.7	19.4	29.0

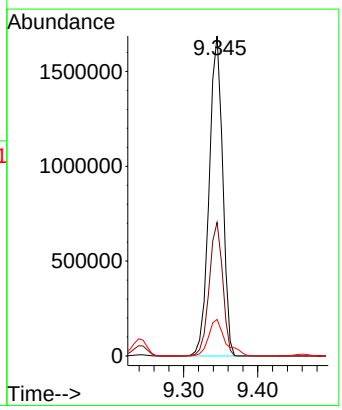


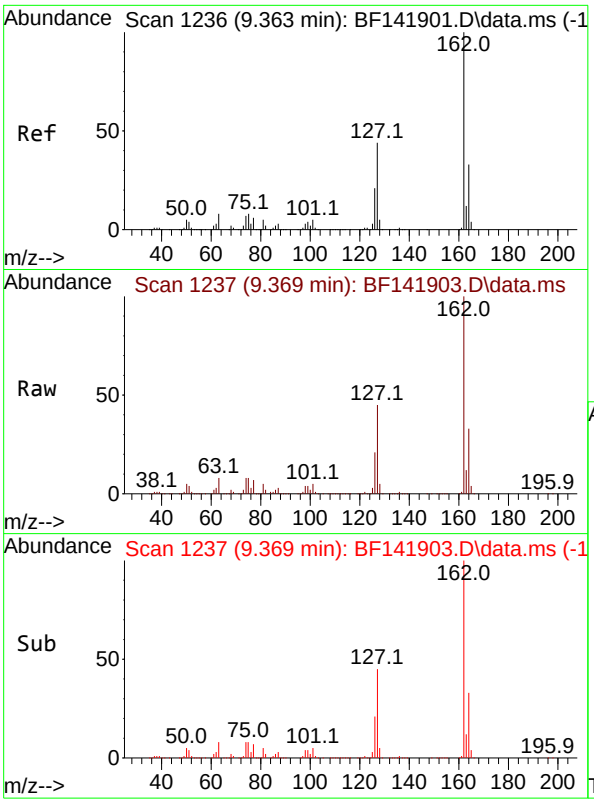


#46
1,1'-Biphenyl
Concen: 56.634 ng
RT: 9.345 min Scan# 1233
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:154 Resp: 2134829

Ion	Ratio	Lower	Upper
154	100		
153	41.8	21.1	61.1
76	11.4	0.0	31.3



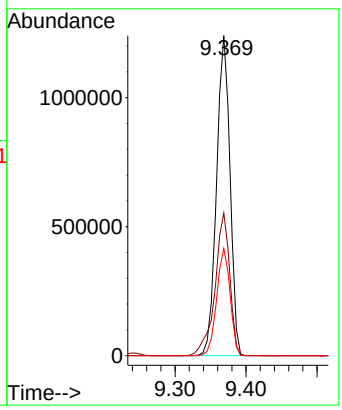


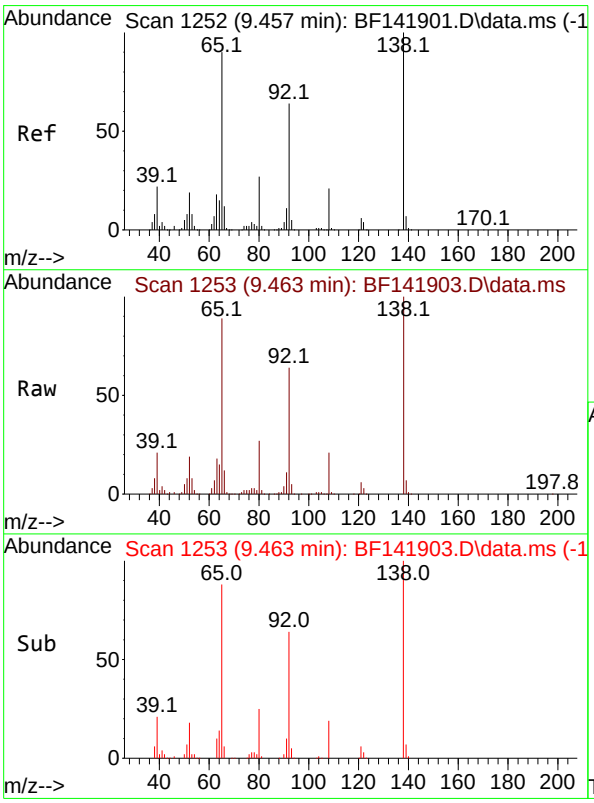
#47
2-Chloronaphthalene
Concen: 57.879 ng
RT: 9.369 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 1625973

Ion	Ratio	Lower	Upper
162	100		
127	44.5	35.5	53.3
164	33.5	26.6	40.0

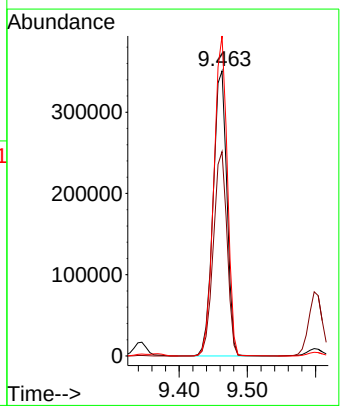


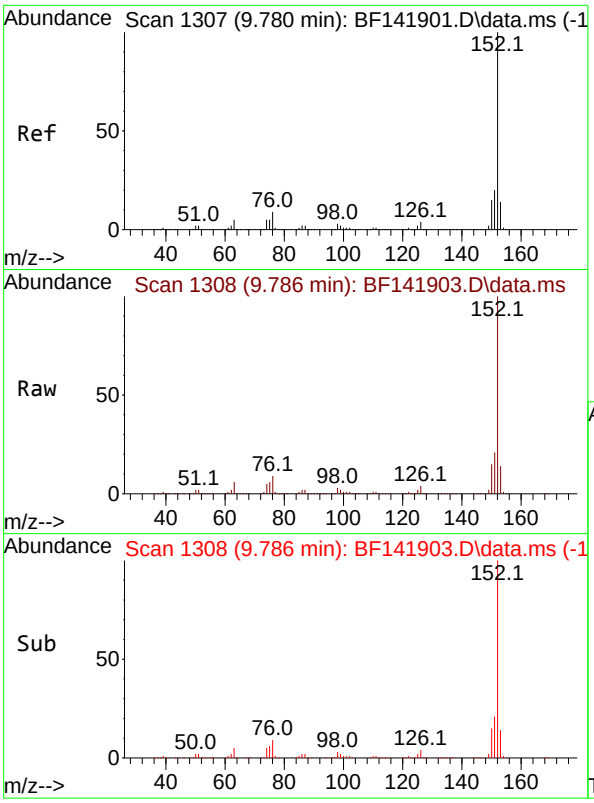


#48
2-Nitroaniline
Concen: 61.368 ng
RT: 9.463 min Scan# 1253
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion: 65 Resp: 495229

Ion	Ratio	Lower	Upper
65	100		
92	71.7	56.6	84.8
138	112.3	88.6	133.0



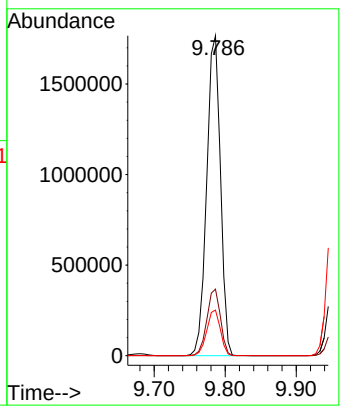


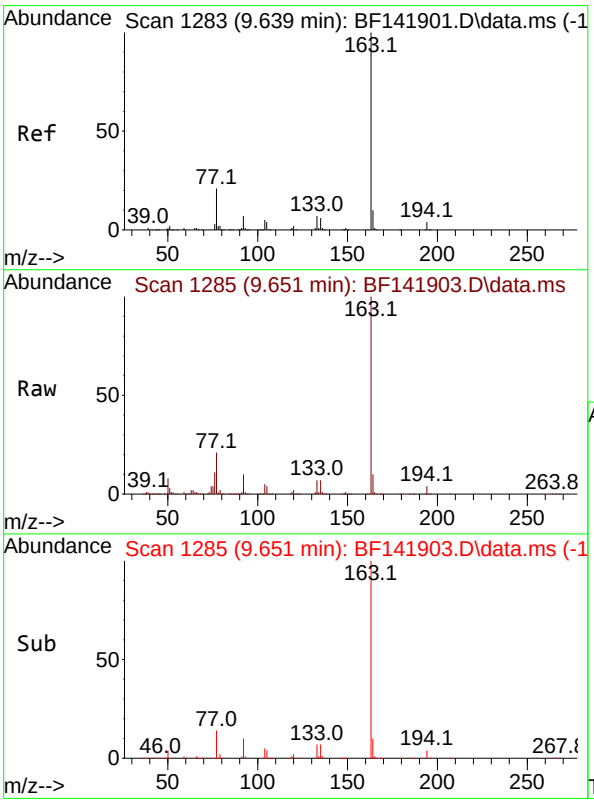
#49
Acenaphthylene
Concen: 57.125 ng
RT: 9.786 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 2379216

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.3	24.5
153	14.2	11.1	16.7

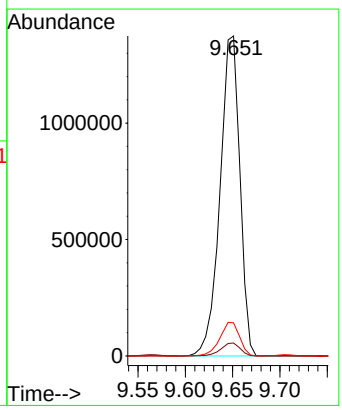


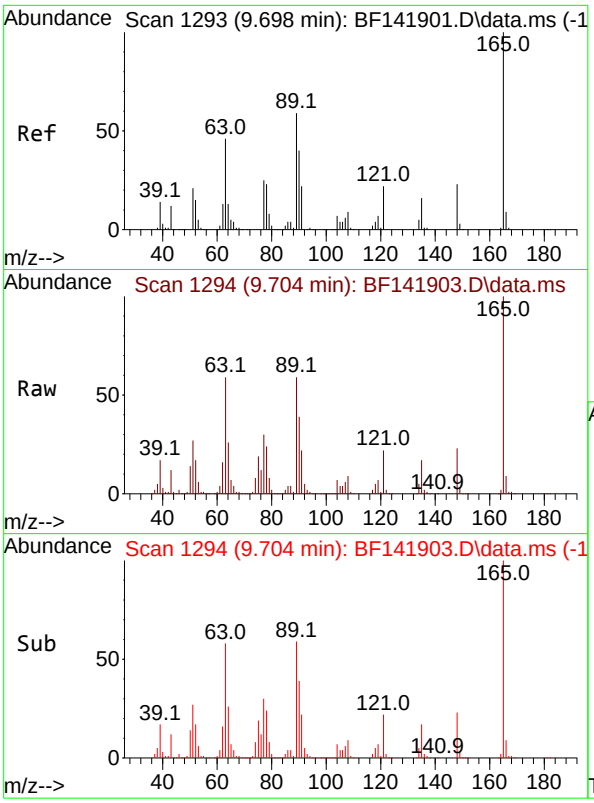


#50
Dimethylphthalate
Concen: 58.083 ng
RT: 9.651 min Scan# 1285
Delta R.T. 0.012 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:163 Resp: 2006480

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.1	4.7
164	10.4	8.2	12.4



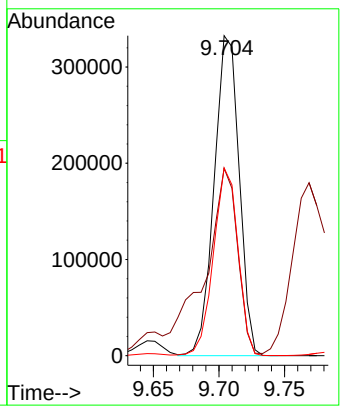


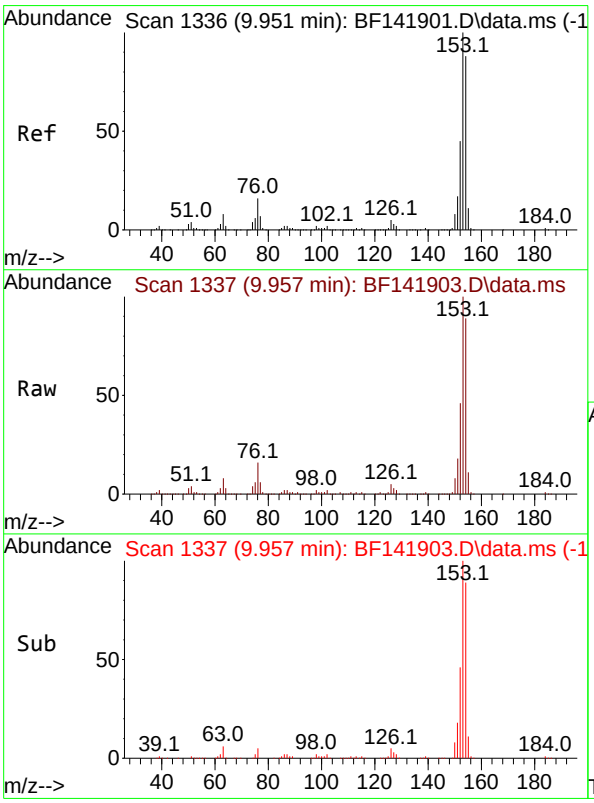
#51
2,6-Dinitrotoluene
Concen: 61.441 ng
RT: 9.704 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 441383

Ion	Ratio	Lower	Upper
165	100		
63	58.6	47.0	70.4
89	58.6	47.4	71.2

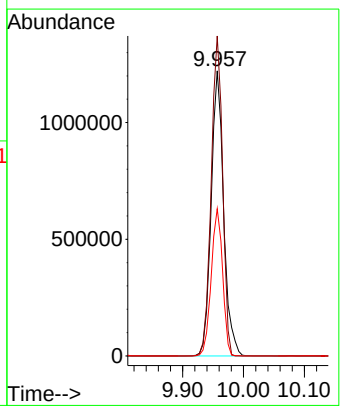


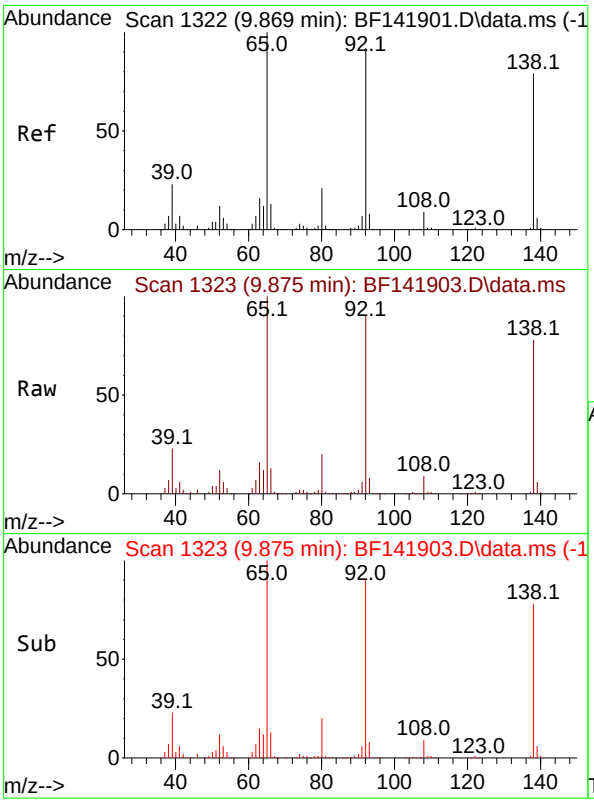


#52
Acenaphthene
Concen: 59.065 ng
RT: 9.957 min Scan# 1337
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:154 Resp: 1737049

Ion	Ratio	Lower	Upper
154	100		
153	112.2	90.7	136.1
152	51.6	41.1	61.7



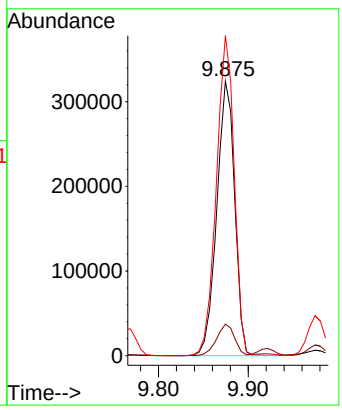


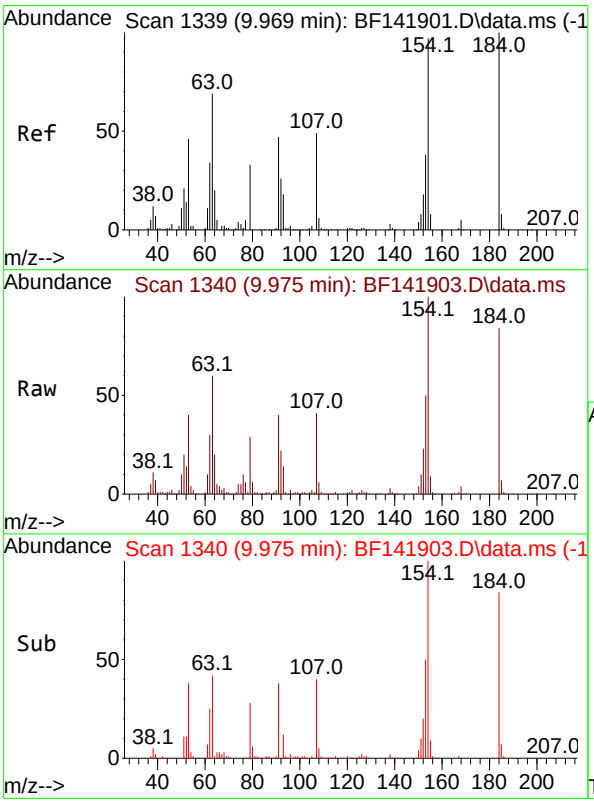
#53
3-Nitroaniline
Concen: 60.945 ng
RT: 9.875 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:138 Resp: 449553

Ion	Ratio	Lower	Upper
138	100		
108	11.5	9.3	13.9
92	116.5	93.5	140.3

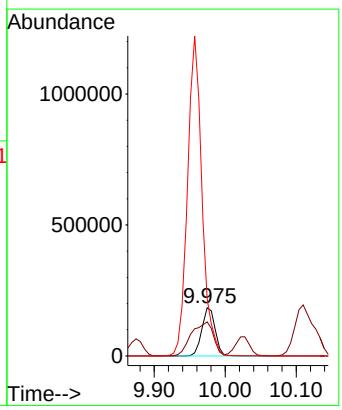


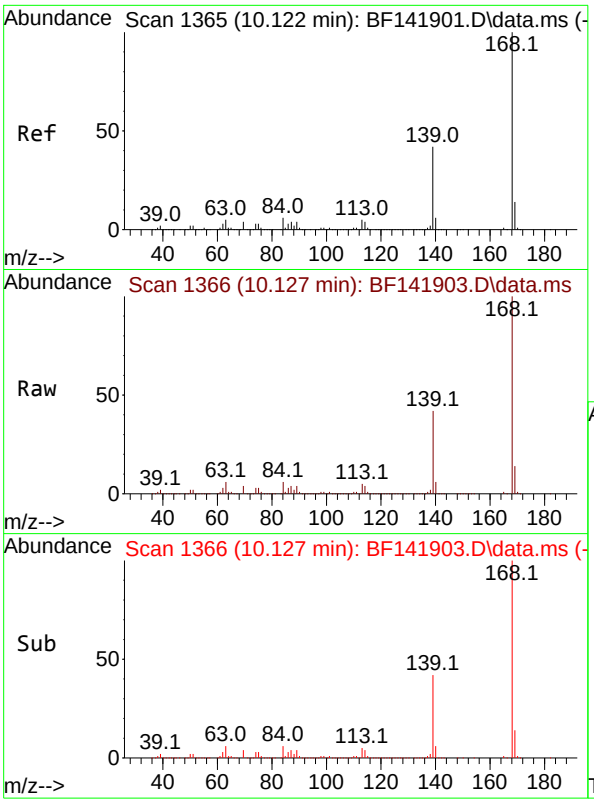


#54
2,4-Dinitrophenol
Concen: 60.329 ng
RT: 9.975 min Scan# 1340
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:184 Resp: 240530

Ion	Ratio	Lower	Upper
184	100		
63	70.8	60.2	90.4
154	118.6	132.9	199.3#



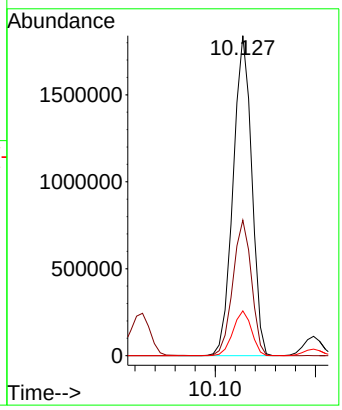


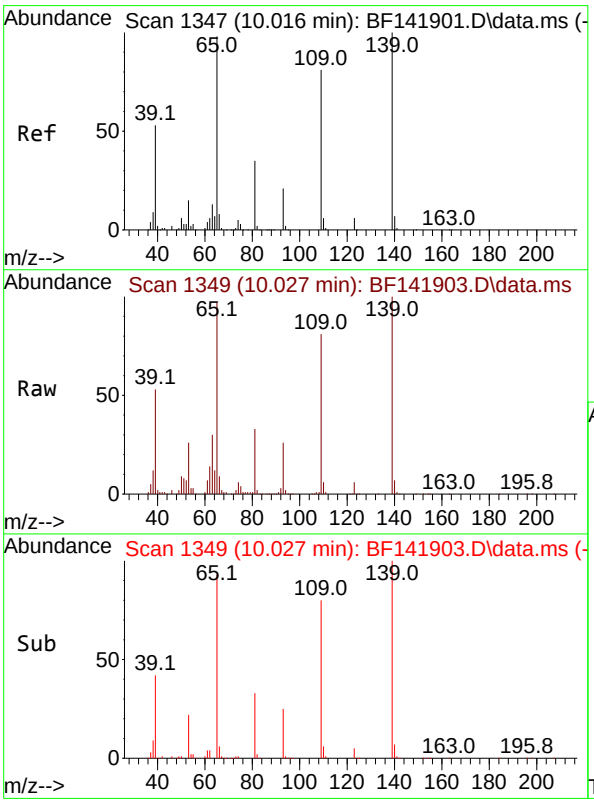
#55
Dibenzofuran
Concen: 56.781 ng
RT: 10.127 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:168 Resp: 2380973

Ion	Ratio	Lower	Upper
168	100		
139	42.4	33.9	50.9
169	14.0	11.0	16.4

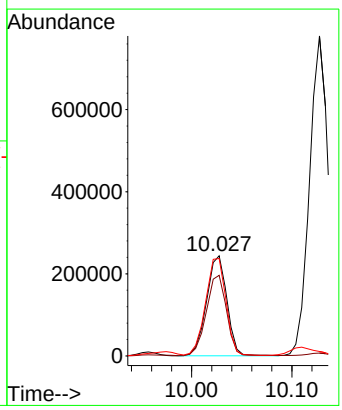


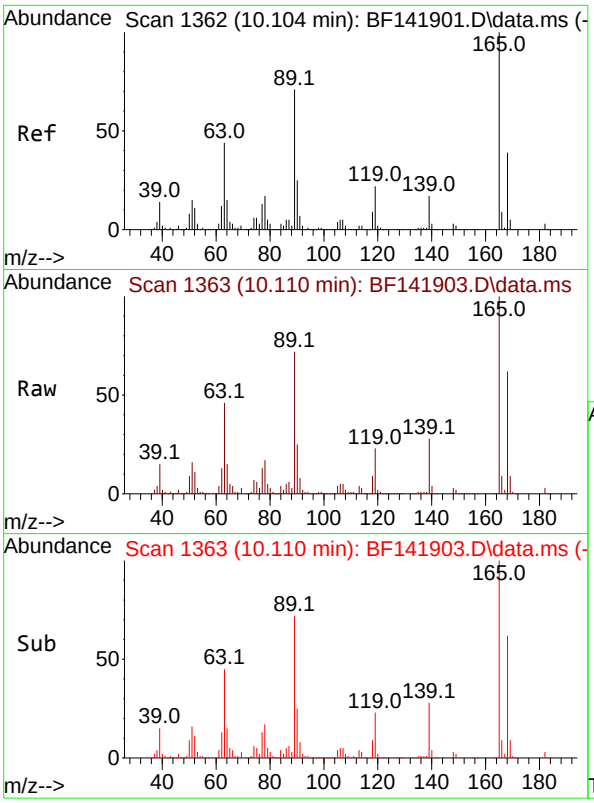


#56
4-Nitrophenol
Concen: 62.021 ng
RT: 10.027 min Scan# 1349
Delta R.T. 0.012 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:139 Resp: 343657

Ion	Ratio	Lower	Upper
139	100		
109	80.6	61.6	101.6
65	97.3	79.4	119.4



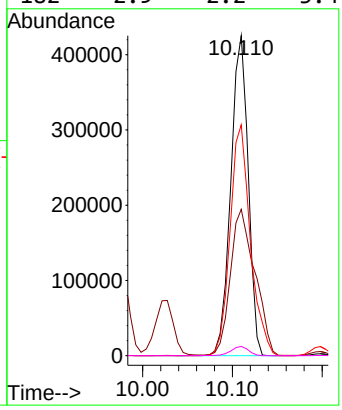


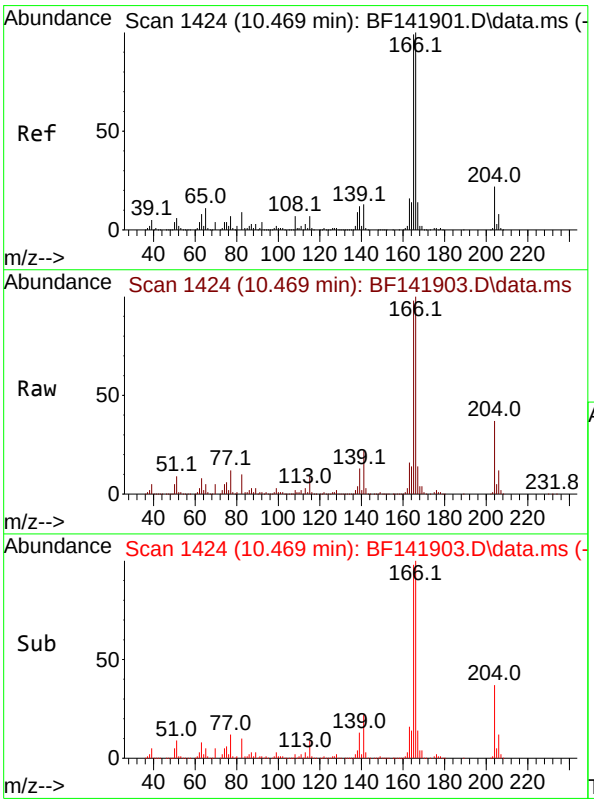
#57
2,4-Dinitrotoluene
Concen: 60.461 ng
RT: 10.110 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 571731

Ion	Ratio	Lower	Upper
165	100		
63	45.8	35.4	53.2
89	72.1	56.6	84.8
182	2.9	2.2	3.4

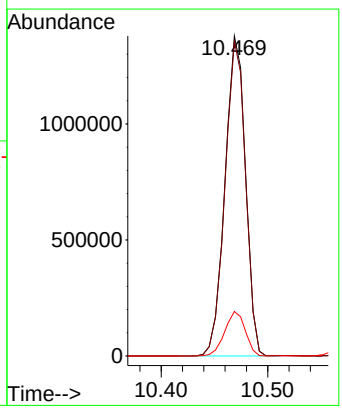


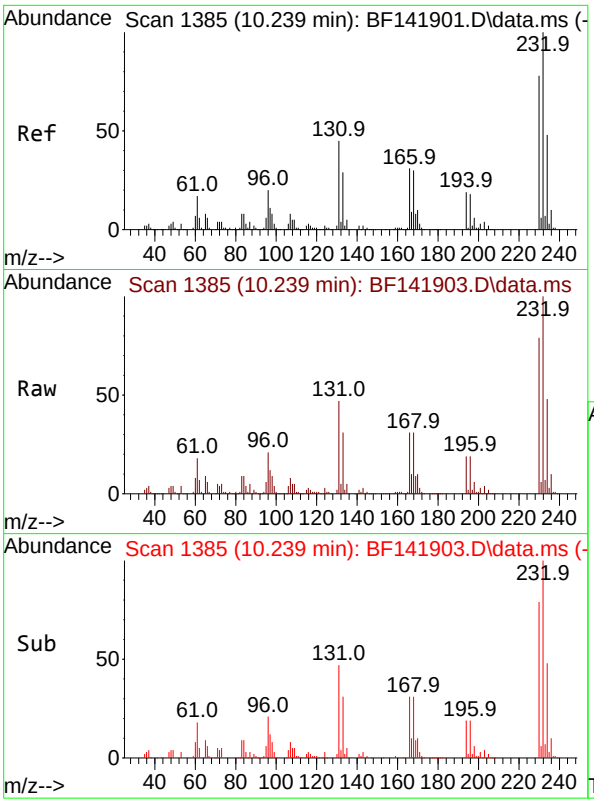


#58
Fluorene
Concen: 56.859 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:166 Resp: 1840654

Ion	Ratio	Lower	Upper
166	100		
165	98.3	79.0	118.4
167	13.9	11.0	16.4



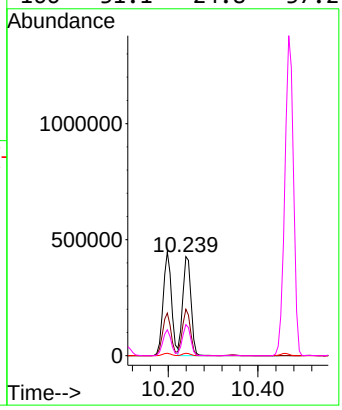


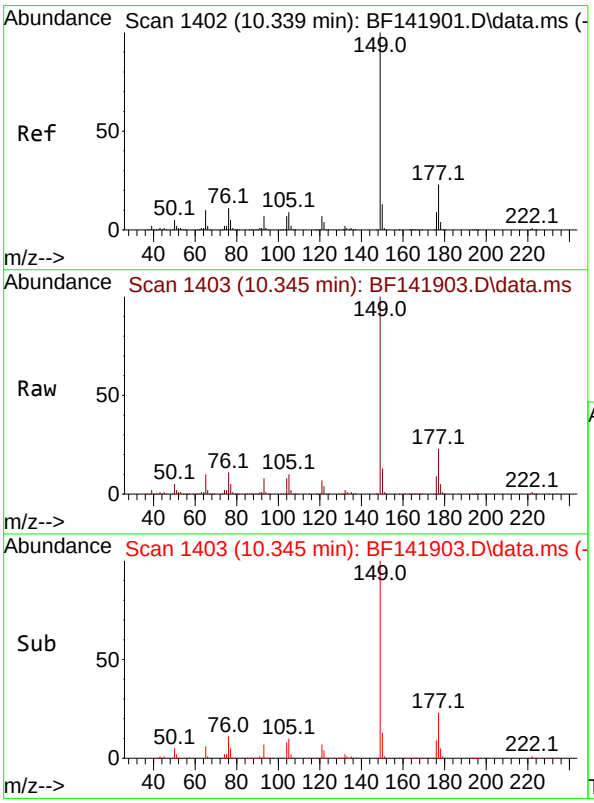
#59
2,3,4,6-Tetrachlorophenol
Concen: 60.002 ng
RT: 10.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:232 Resp: 546621

Ion	Ratio	Lower	Upper
232	100		
131	46.3	37.3	55.9
130	2.4	1.9	2.9
166	31.1	24.8	37.2

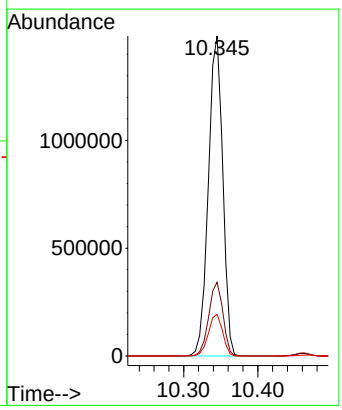


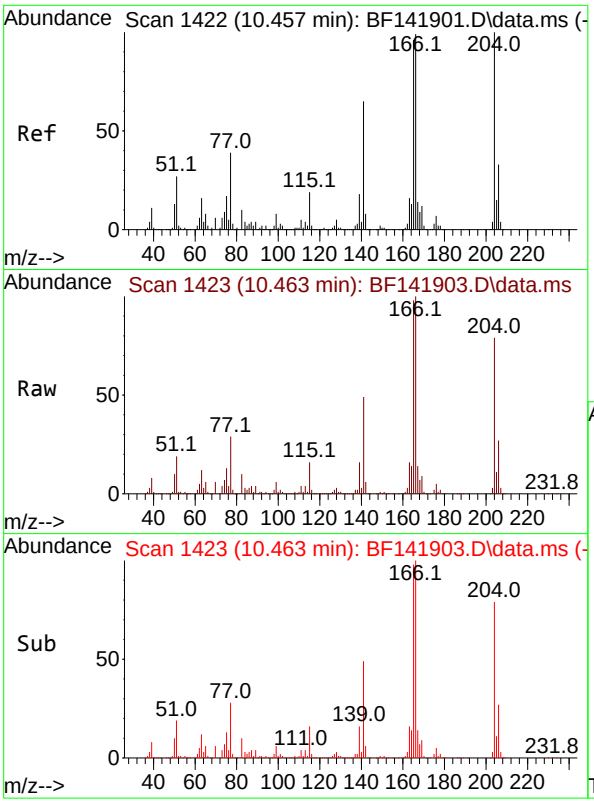


#60
Diethylphthalate
Concen: 57.552 ng
RT: 10.345 min Scan# 1403
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:149 Resp: 1995827

Ion	Ratio	Lower	Upper
149	100		
177	23.0	18.0	27.0
150	13.0	10.2	15.4



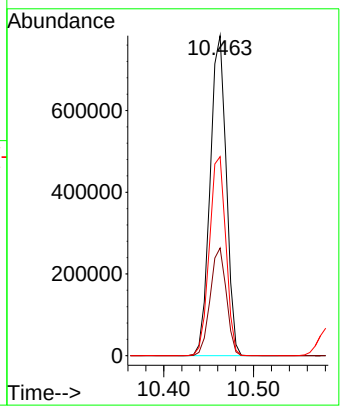


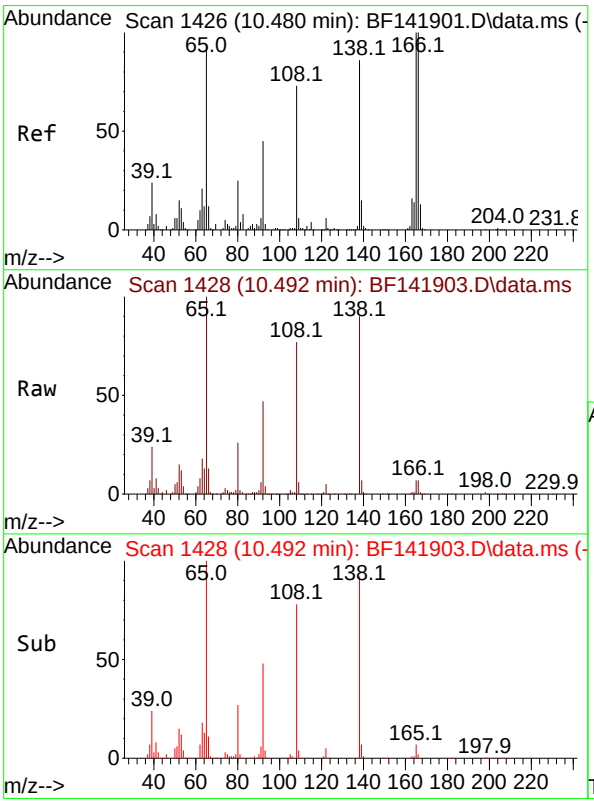
#61
4-Chlorophenyl-phenylether
Concen: 57.993 ng
RT: 10.463 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:204 Resp: 977819

Ion	Ratio	Lower	Upper
204	100		
206	33.6	26.8	40.2
141	62.2	52.4	78.6

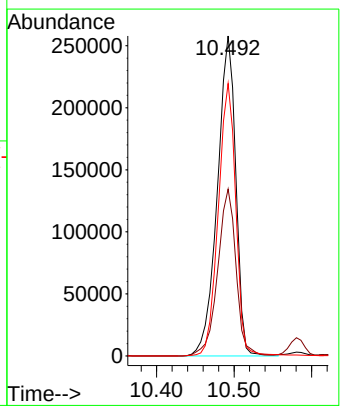


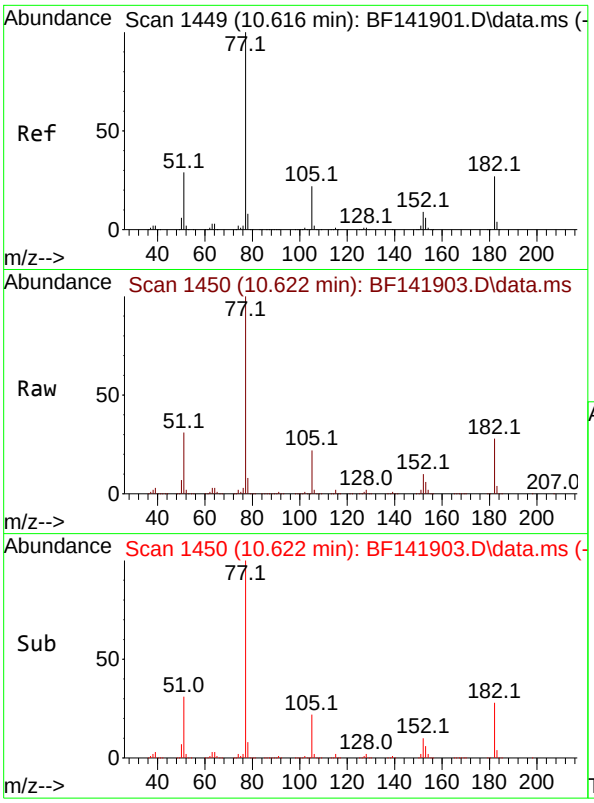


#62
4-Nitroaniline
Concen: 59.702 ng
RT: 10.492 min Scan# 1428
Delta R.T. 0.012 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:138 Resp: 426741

Ion	Ratio	Lower	Upper
138	100		
92	52.2	32.6	72.6
108	85.2	65.0	105.0



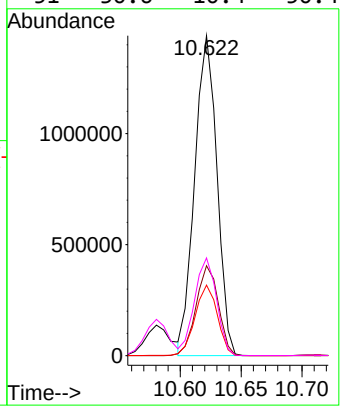


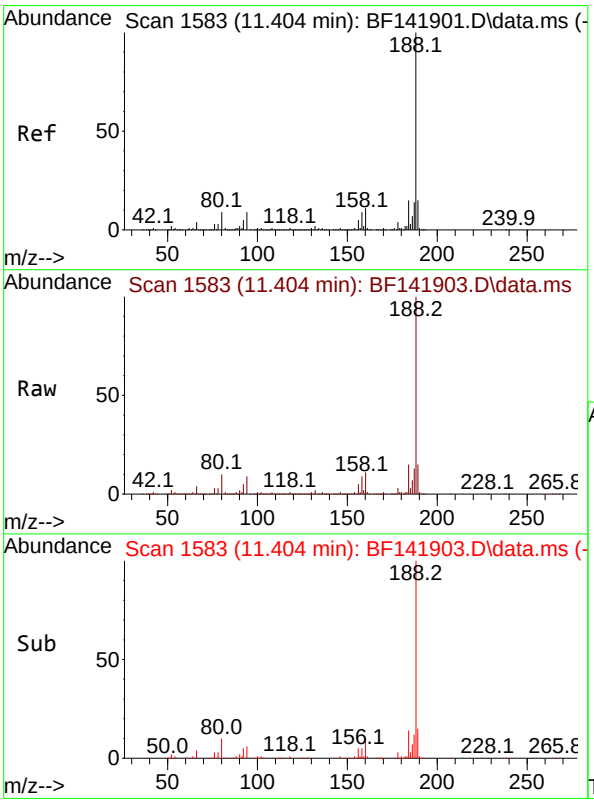
#63
Azobenzene
Concen: 56.784 ng
RT: 10.622 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 1829282

Ion	Ratio	Lower	Upper
77	100		
182	28.1	6.6	46.6
105	22.0	1.3	41.3
51	30.6	10.4	50.4

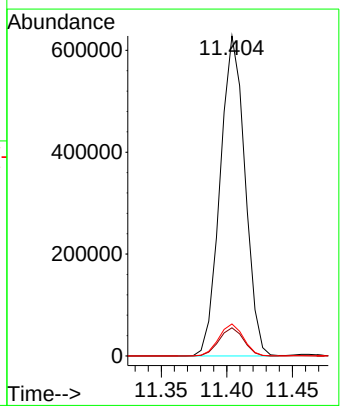


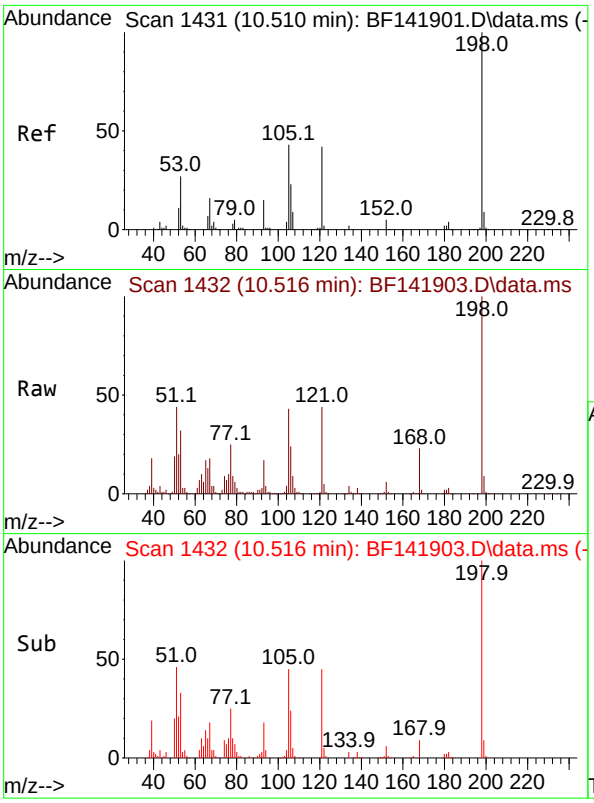


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:188 Resp: 827202

Ion	Ratio	Lower	Upper
188	100		
94	8.8	6.8	10.2
80	10.0	7.6	11.4



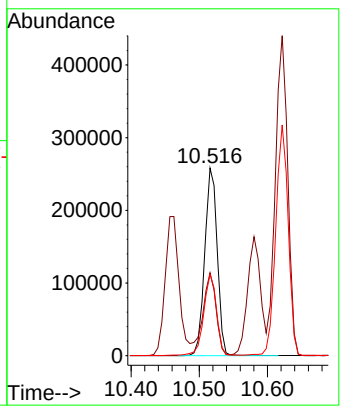


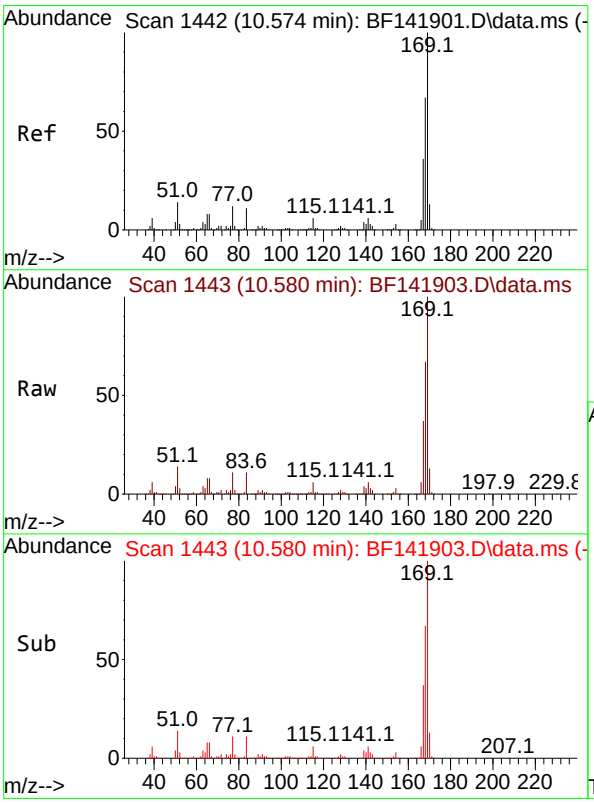
#65
4,6-Dinitro-2-methylphenol
Concen: 67.356 ng
RT: 10.516 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:198 Resp: 330315

Ion	Ratio	Lower	Upper
198	100		
51	44.2	22.3	62.3
105	43.4	23.0	63.0

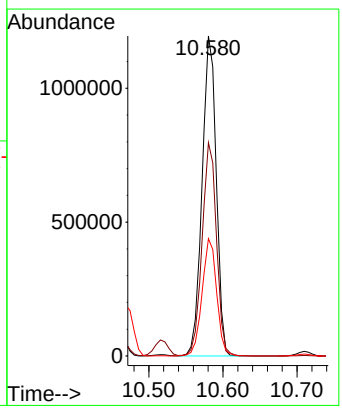


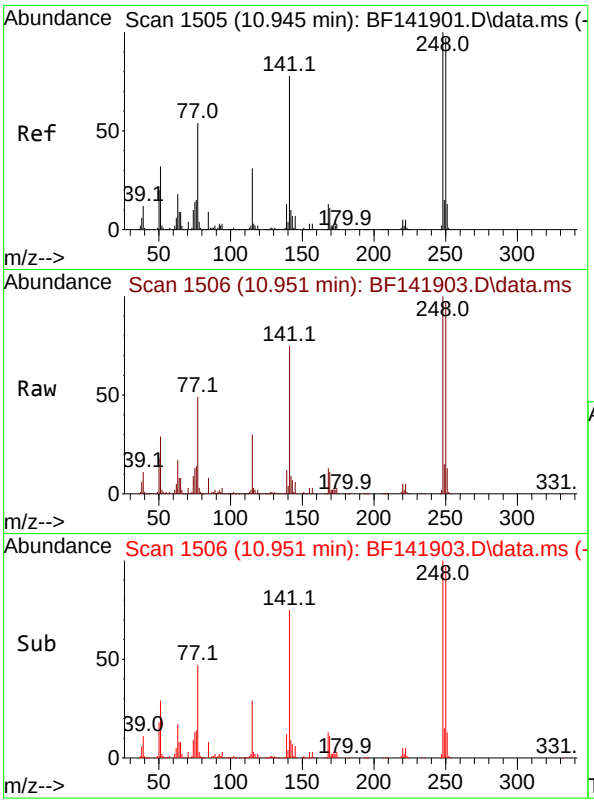


#66
n-Nitrosodiphenylamine
Concen: 59.270 ng
RT: 10.580 min Scan# 1443
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:169 Resp: 1583832

Ion	Ratio	Lower	Upper
169	100		
168	66.6	53.7	80.5
167	36.6	29.2	43.8



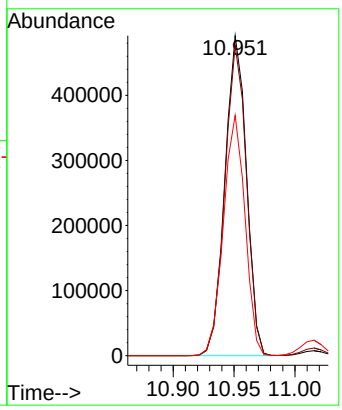


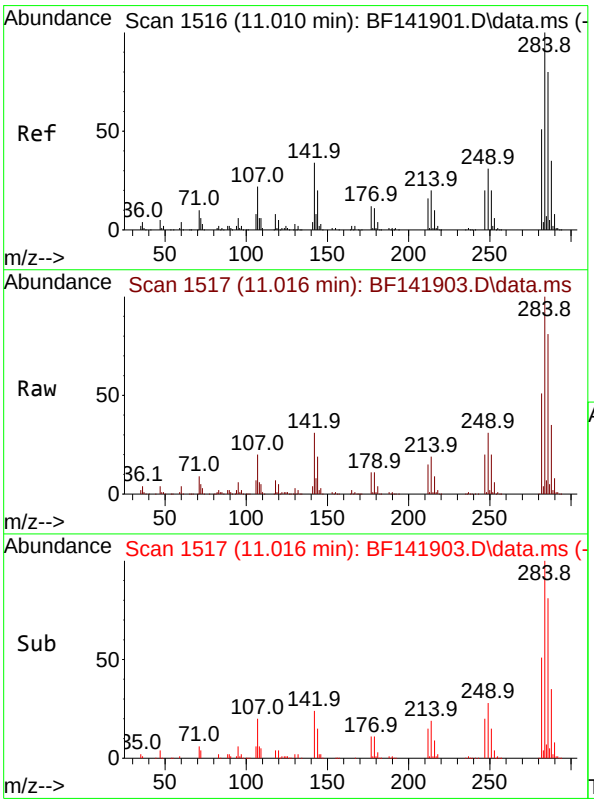
#67
4-Bromophenyl-phenylether
Concen: 59.044 ng
RT: 10.951 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:248 Resp: 608246

Ion	Ratio	Lower	Upper
248	100		
250	97.0	77.8	116.8
141	75.1	62.6	93.8

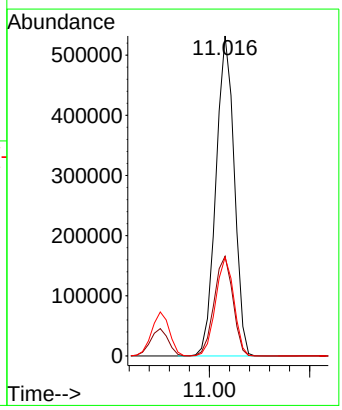


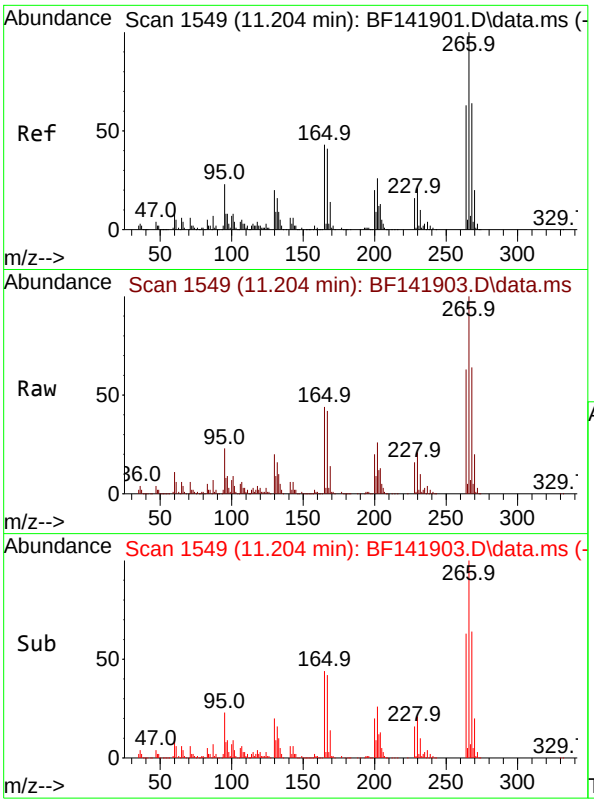


#68
Hexachlorobenzene
Concen: 59.144 ng
RT: 11.016 min Scan# 1517
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:284 Resp: 673465

Ion	Ratio	Lower	Upper
284	100		
142	31.1	27.0	40.6
249	30.8	25.2	37.8



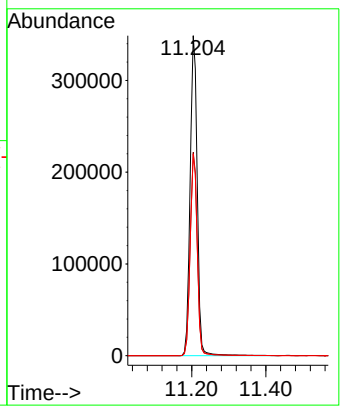


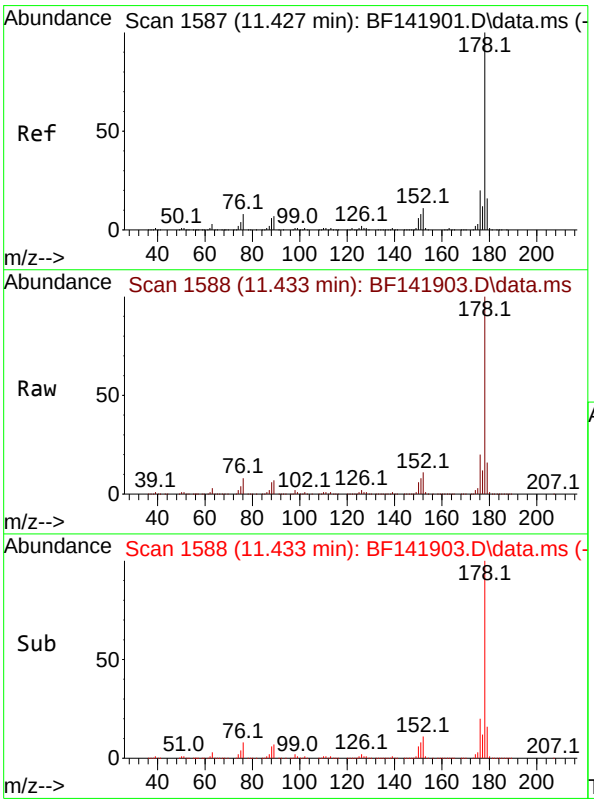
#70
Pentachlorophenol
Concen: 65.893 ng
RT: 11.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:266 Resp: 462709

Ion	Ratio	Lower	Upper
266	100		
268	63.5	51.0	76.6
264	63.1	50.2	75.2

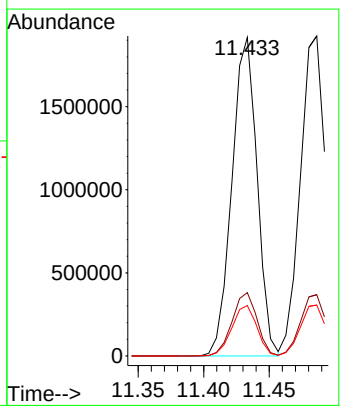


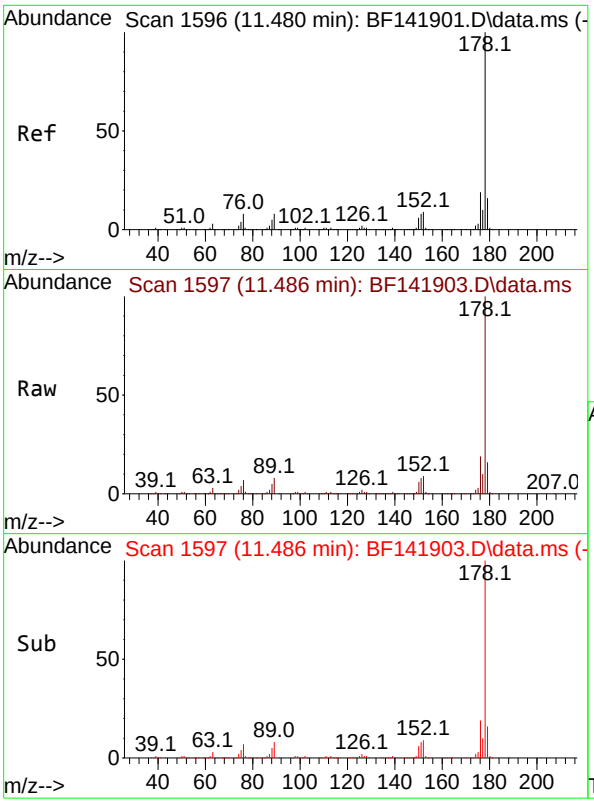


#71
Phenanthrene
Concen: 57.232 ng
RT: 11.433 min Scan# 1588
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:178 Resp: 2560092

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.8
179	15.8	12.6	19.0



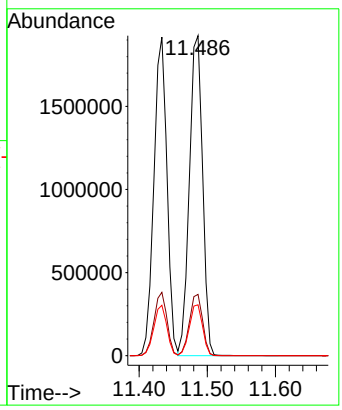


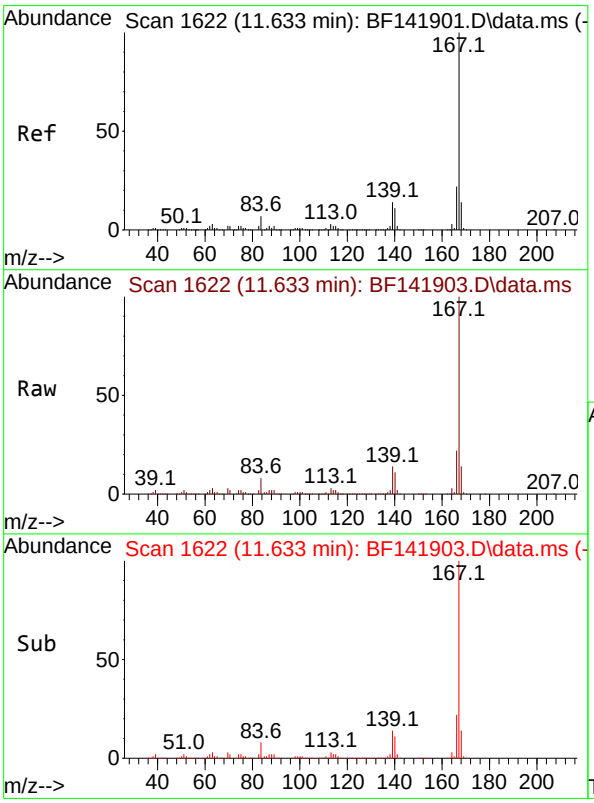
#72
Anthracene
Concen: 57.281 ng
RT: 11.486 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:178 Resp: 2570717

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.1	22.7
179	15.9	12.6	19.0

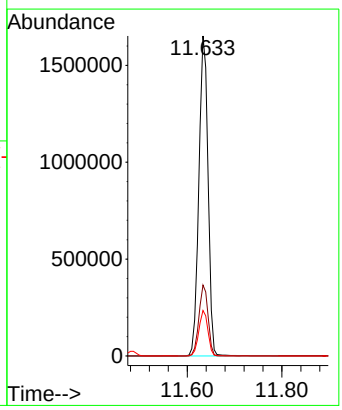


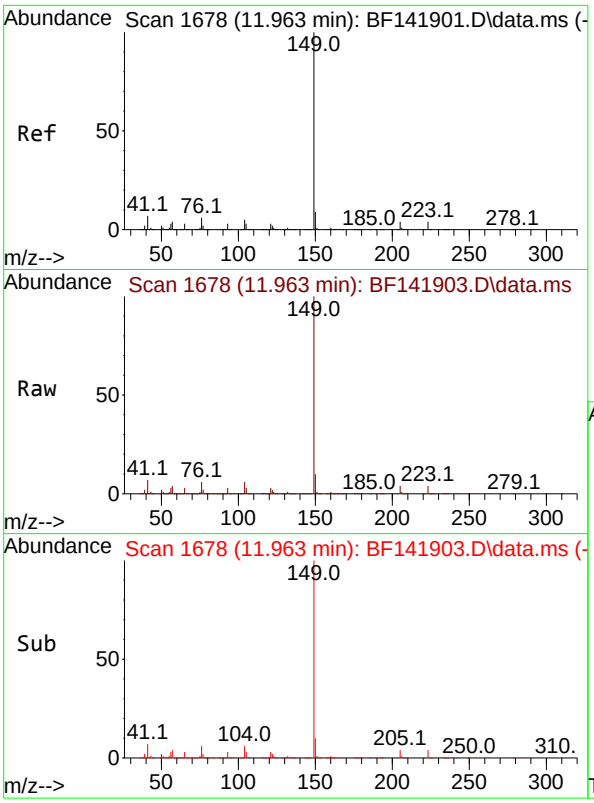


#73
Carbazole
Concen: 57.284 ng
RT: 11.633 min Scan# 1622
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:167 Resp: 2213331

Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.4	26.2
139	14.2	11.0	16.6



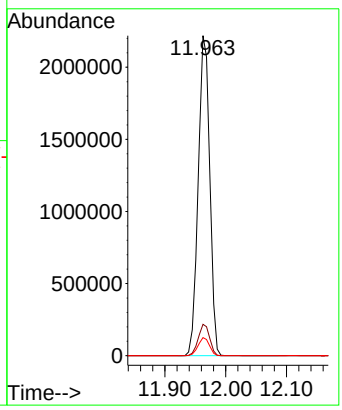


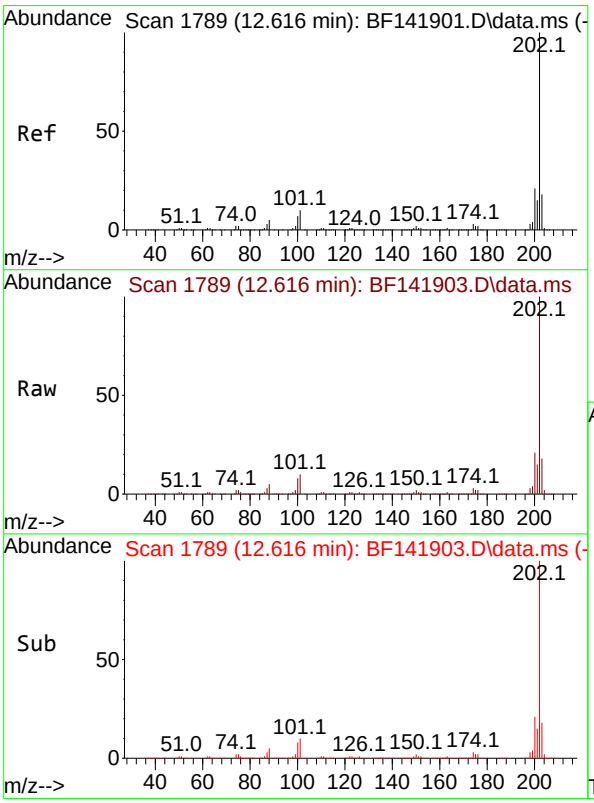
#74
Di-n-butylphthalate
Concen: 57.161 ng
RT: 11.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 2916048

Ion	Ratio	Lower	Upper
149	100		
150	9.8	7.6	11.4
104	5.6	4.4	6.6

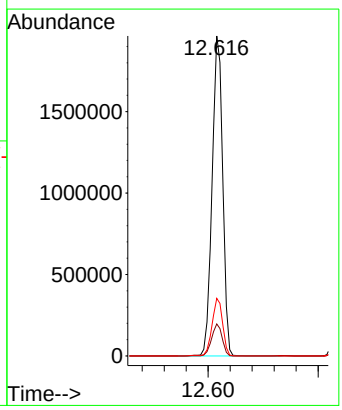


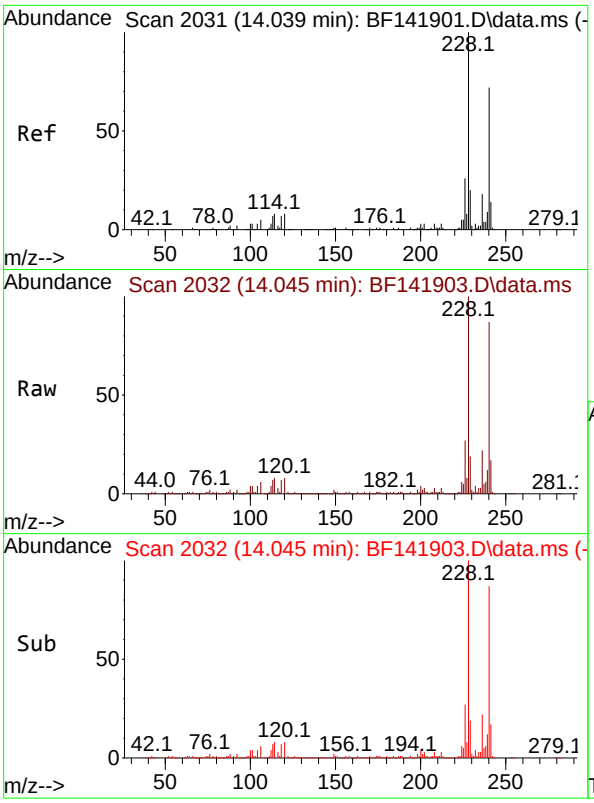


#75
Fluoranthene
Concen: 55.984 ng
RT: 12.616 min Scan# 1789
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:202 Resp: 2628993

Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	29.7
203	18.0	0.0	37.8



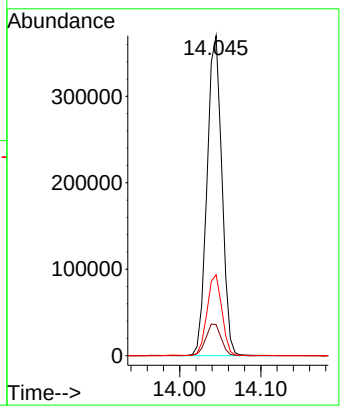


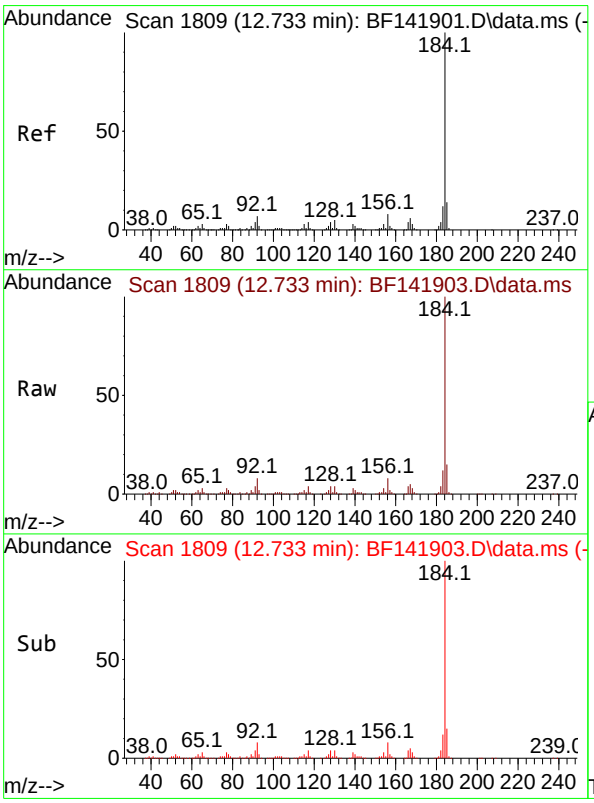
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:240 Resp: 468454

Ion	Ratio	Lower	Upper
240	100		
120	9.7	8.4	12.6
236	25.3	20.5	30.7

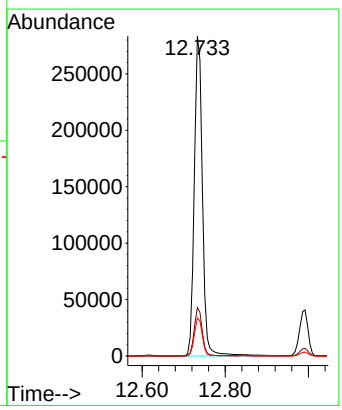


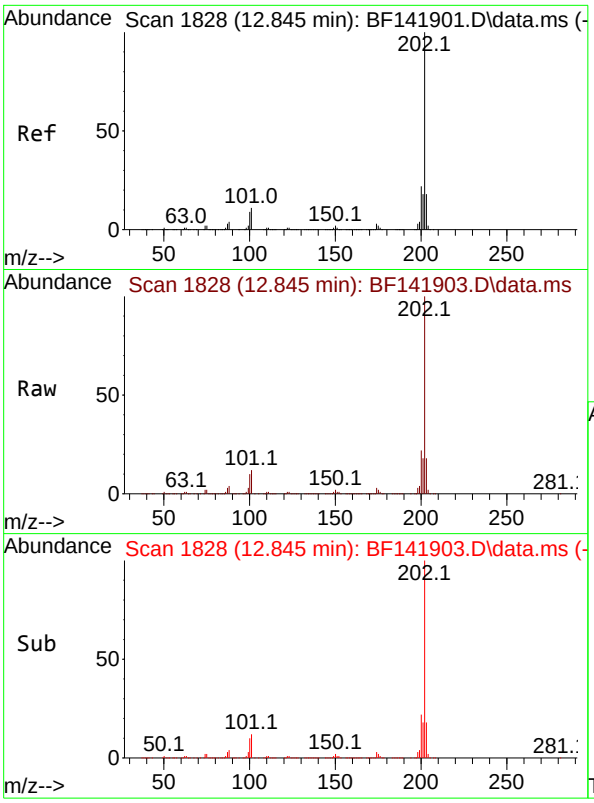


#77
Benzidine
Concen: 58.309 ng
RT: 12.733 min Scan# 1809
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:184 Resp: 386007

Ion	Ratio	Lower	Upper
184	100		
185	15.1	11.5	17.3
183	11.9	9.7	14.5



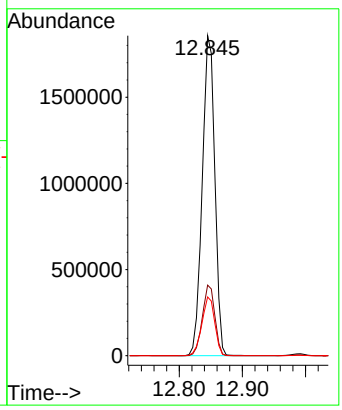


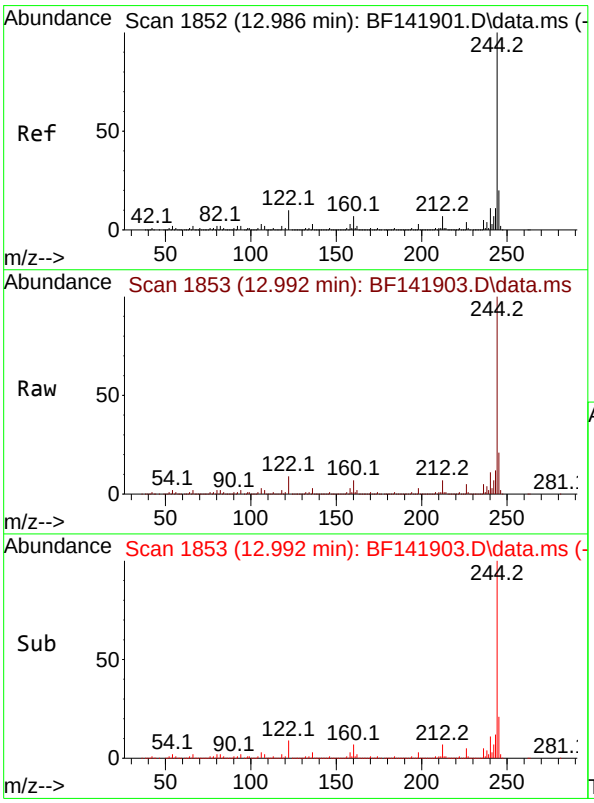
#78
Pyrene
Concen: 63.781 ng
RT: 12.845 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:202 Resp: 2562337

Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.3	25.9
203	18.4	14.4	21.6

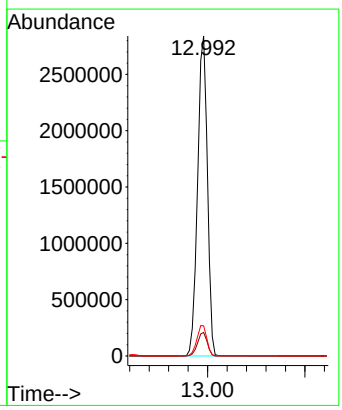


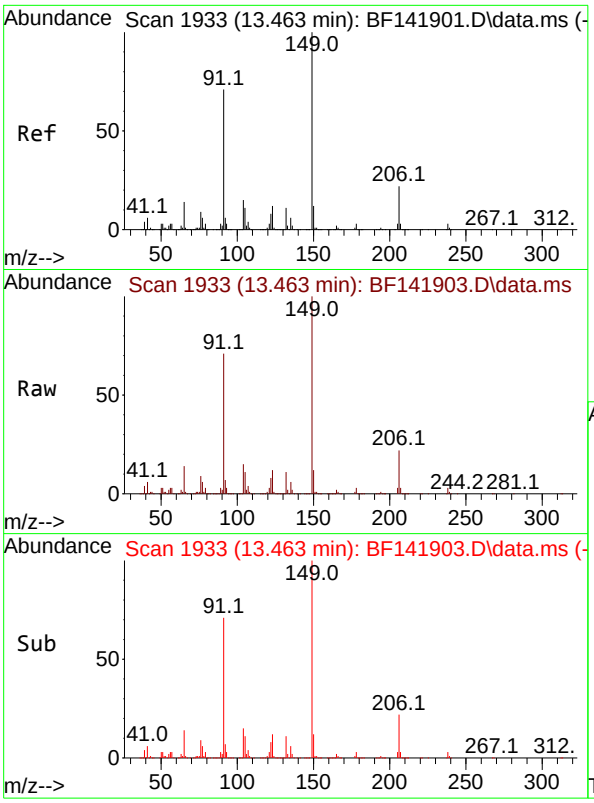


#79
Terphenyl-d14
Concen: 125.675 ng
RT: 12.992 min Scan# 1853
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:244 Resp: 3982780

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.0	9.0
122	9.4	7.7	11.5



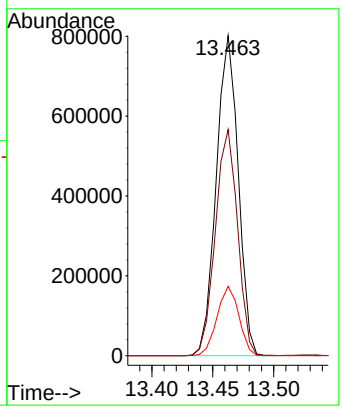


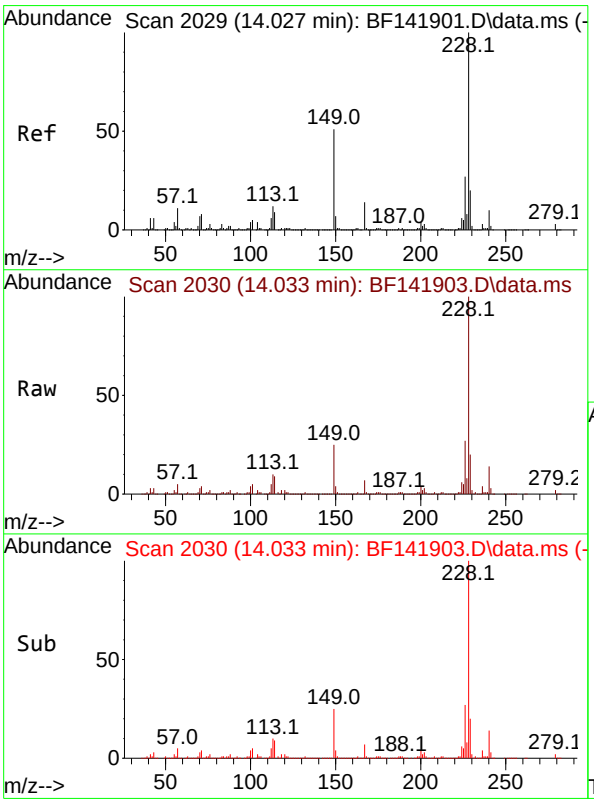
#80
Butylbenzylphthalate
Concen: 63.676 ng
RT: 13.463 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 1008043

Ion	Ratio	Lower	Upper
149	100		
91	70.7	56.5	84.7
206	21.6	17.3	25.9

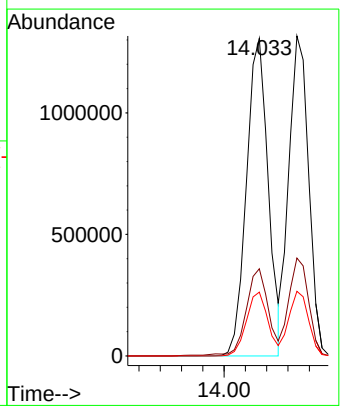


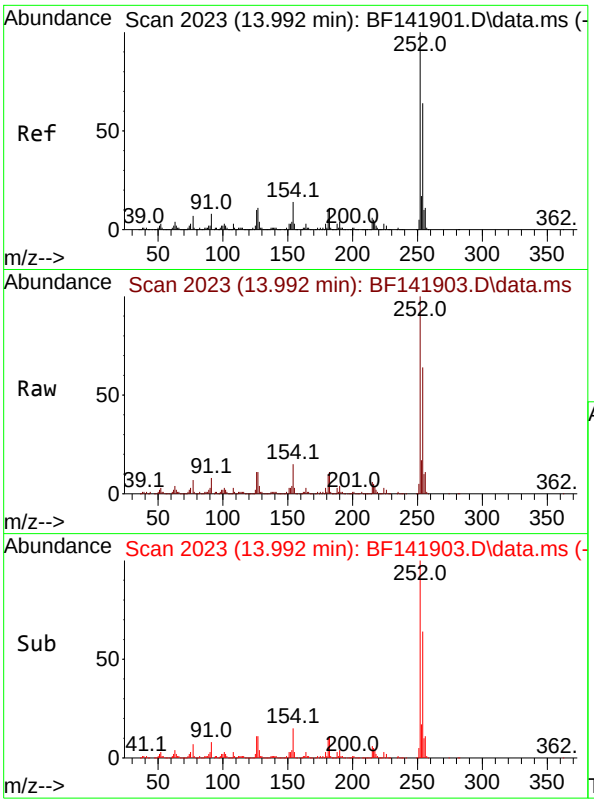


#81
Benzo(a)anthracene
Concen: 60.040 ng
RT: 14.033 min Scan# 2030
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:228 Resp: 1850347

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.8	32.8
229	20.1	16.0	24.0



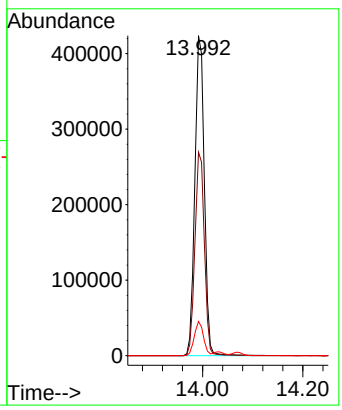


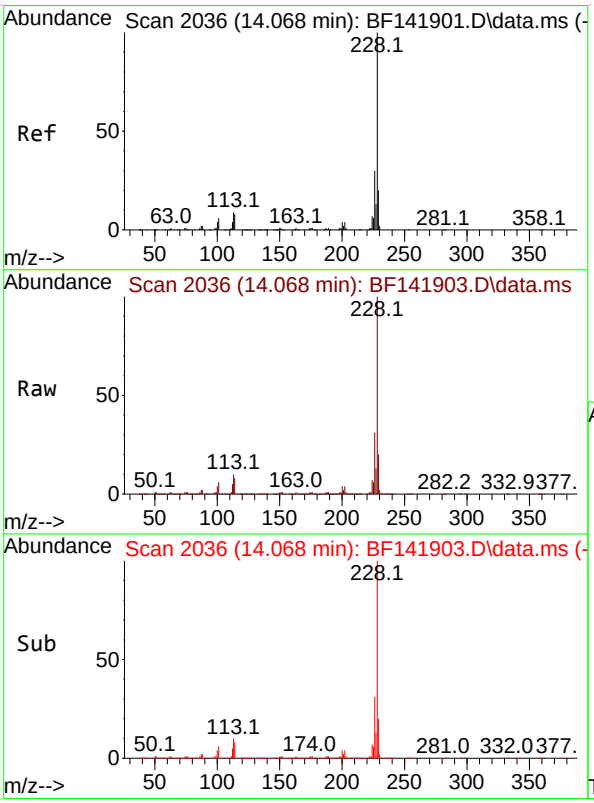
#82
3,3'-Dichlorobenzidine
Concen: 62.091 ng
RT: 13.992 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 553078

Ion	Ratio	Lower	Upper
252	100		
254	63.6	51.0	76.6
126	10.7	8.4	12.6

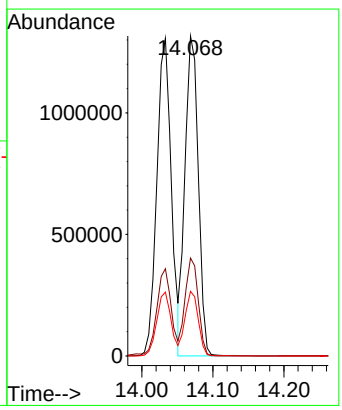


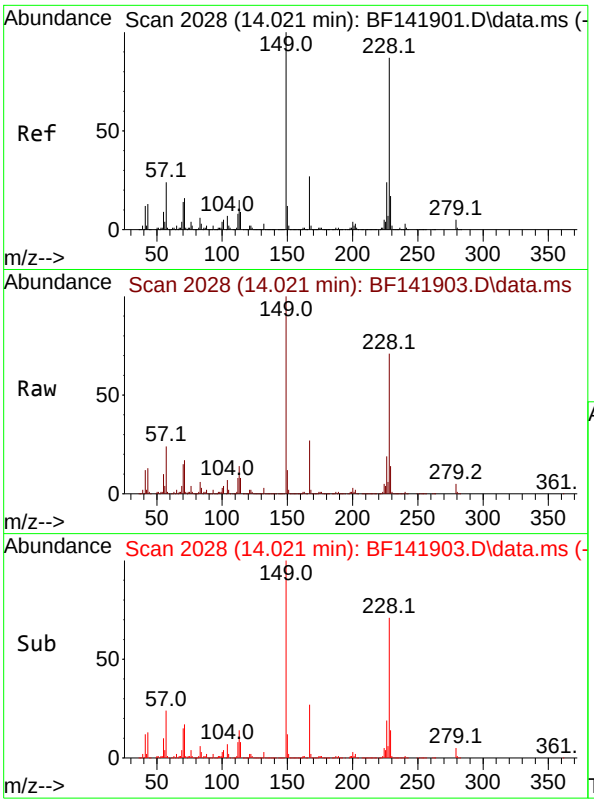


#83
Chrysene
Concen: 61.596 ng
RT: 14.068 min Scan# 2036
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:228 Resp: 1705257

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.1	36.1
229	20.2	15.7	23.5



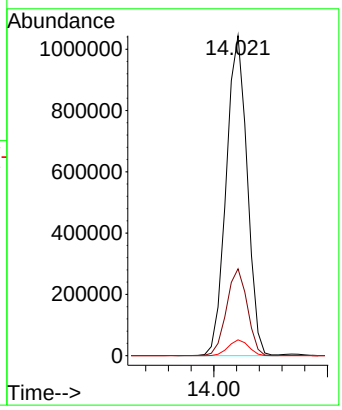


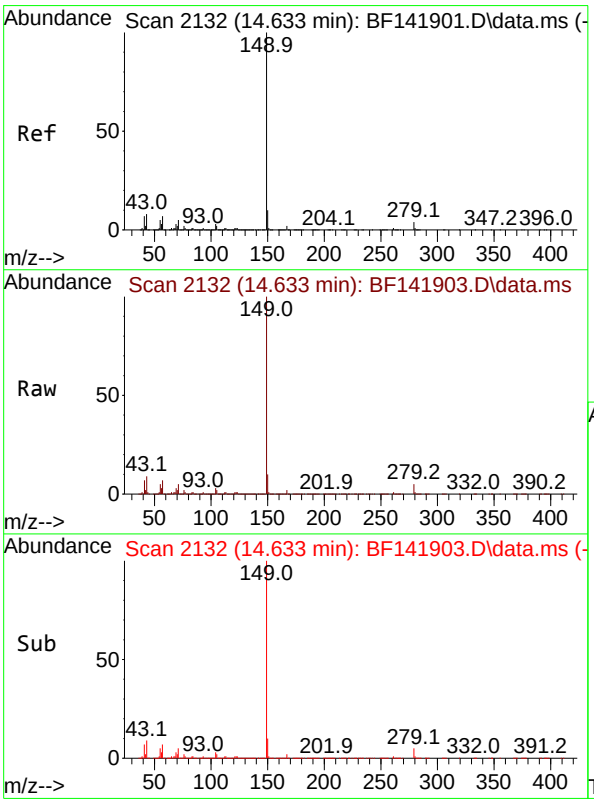
#84
Bis(2-ethylhexyl)phthalate
Concen: 61.582 ng
RT: 14.021 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 1337474

Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.4	32.0
279	4.9	3.8	5.6

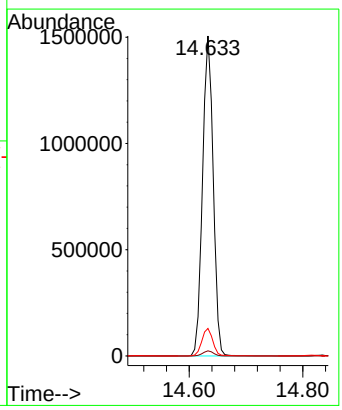


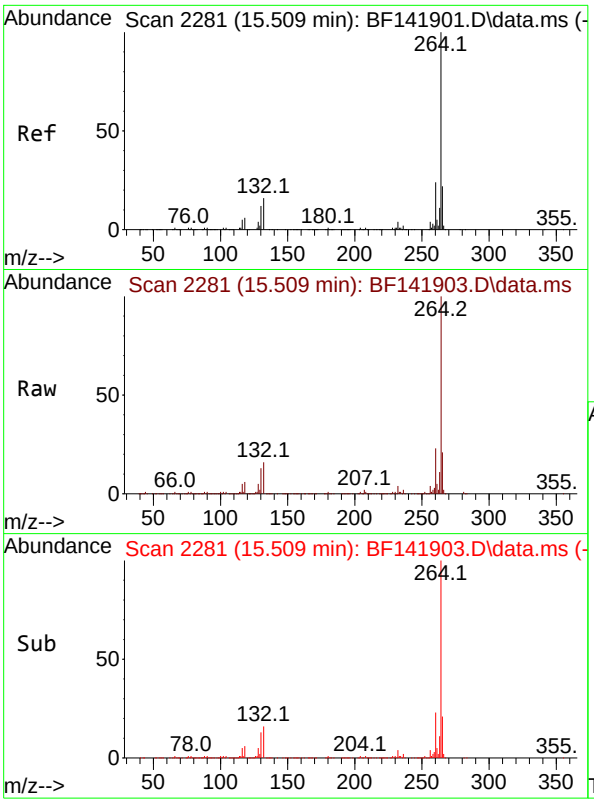


#85
Di-n-octyl phthalate
Concen: 64.613 ng
RT: 14.633 min Scan# 2132
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:149 Resp: 1953184

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.9	6.9	10.3



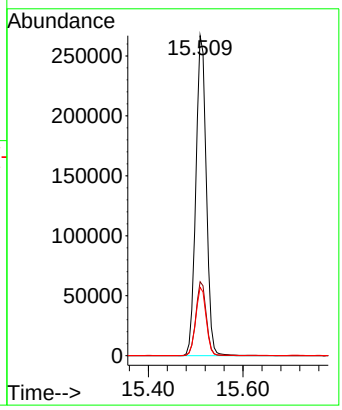


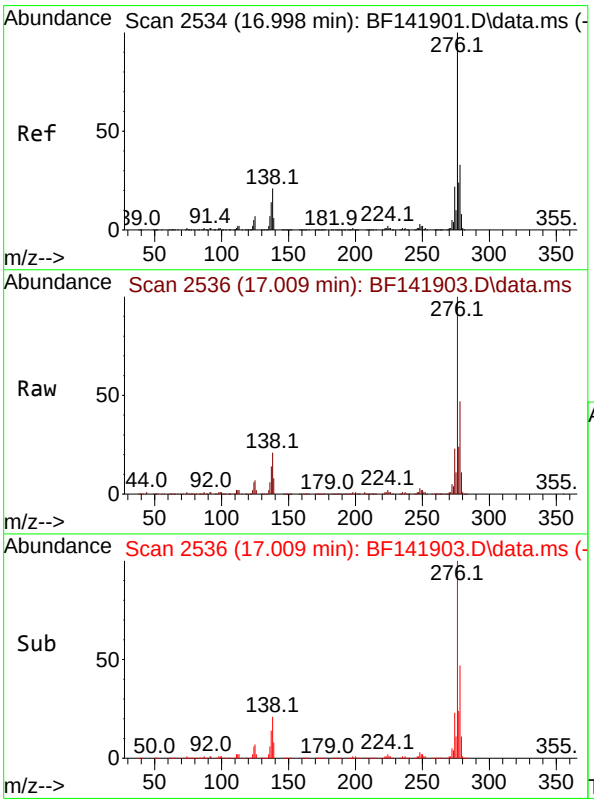
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:264 Resp: 407346

Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.1	28.7
265	21.4	17.5	26.3

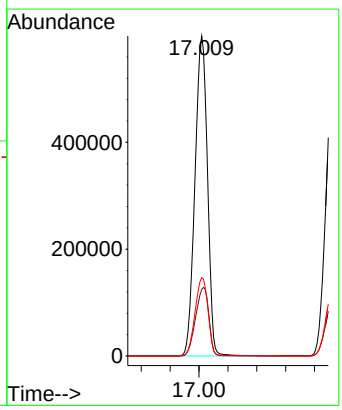


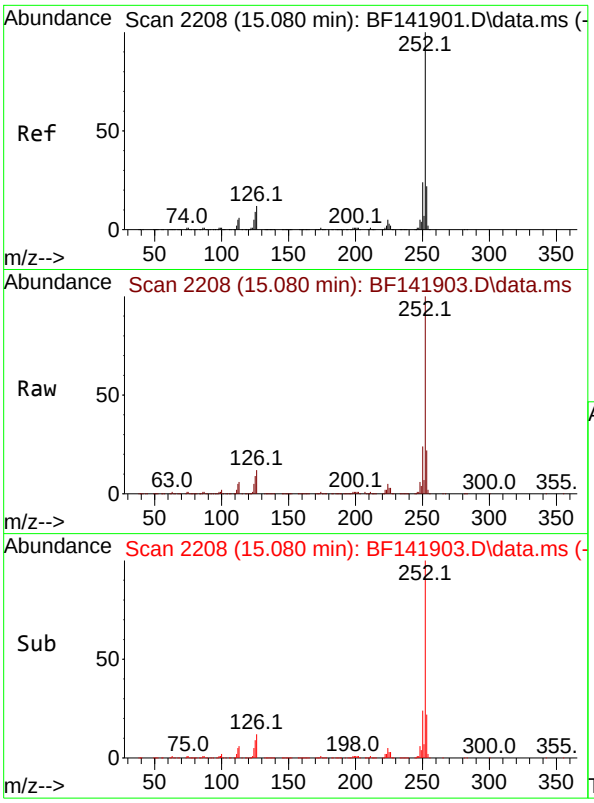


#87
Indeno(1,2,3-cd)pyrene
Concen: 68.115 ng
RT: 17.009 min Scan# 2536
Delta R.T. 0.012 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:276 Resp: 1799372

Ion	Ratio	Lower	Upper
276	100		
138	22.7	18.4	27.6
277	25.2	20.3	30.5



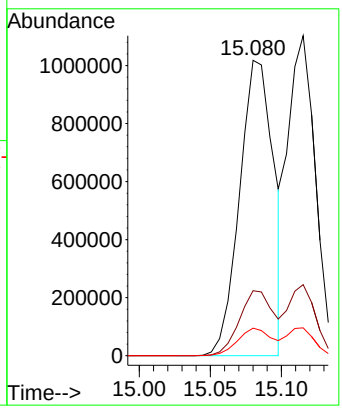


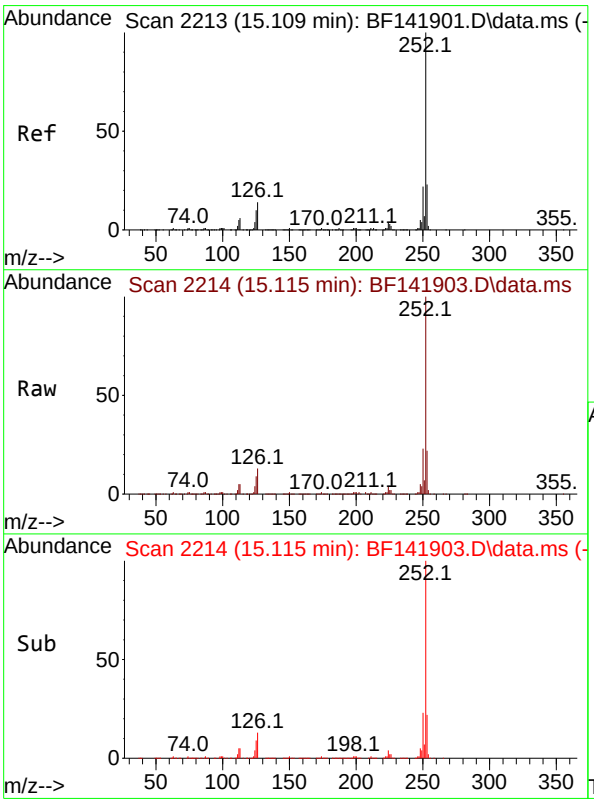
#88
Benzo(b)fluoranthene
Concen: 61.481 ng
RT: 15.080 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 1698744

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	9.3	7.0	10.4

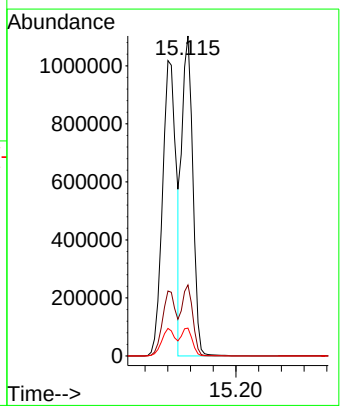


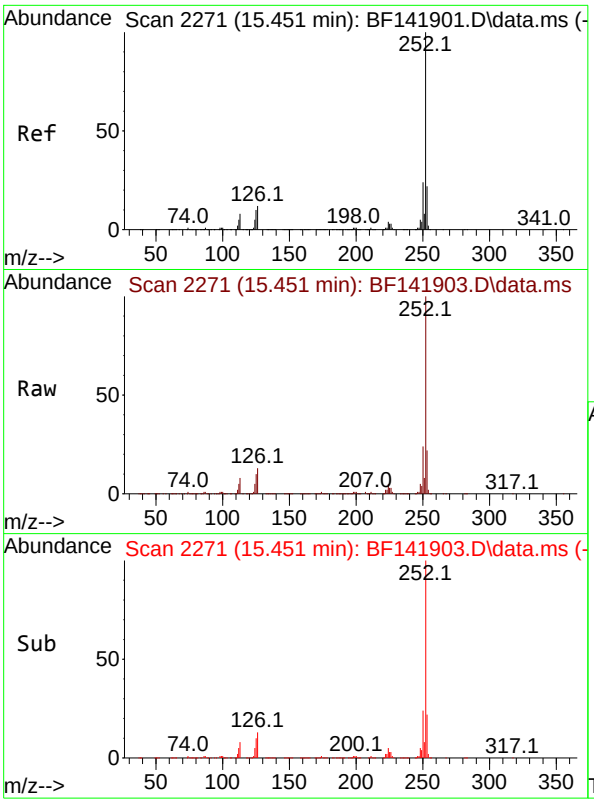


#89
Benzo(k)fluoranthene
Concen: 61.253 ng
RT: 15.115 min Scan# 2214
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:252 Resp: 1478389

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	8.7	7.2	10.8



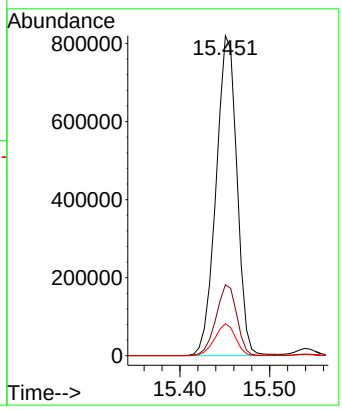


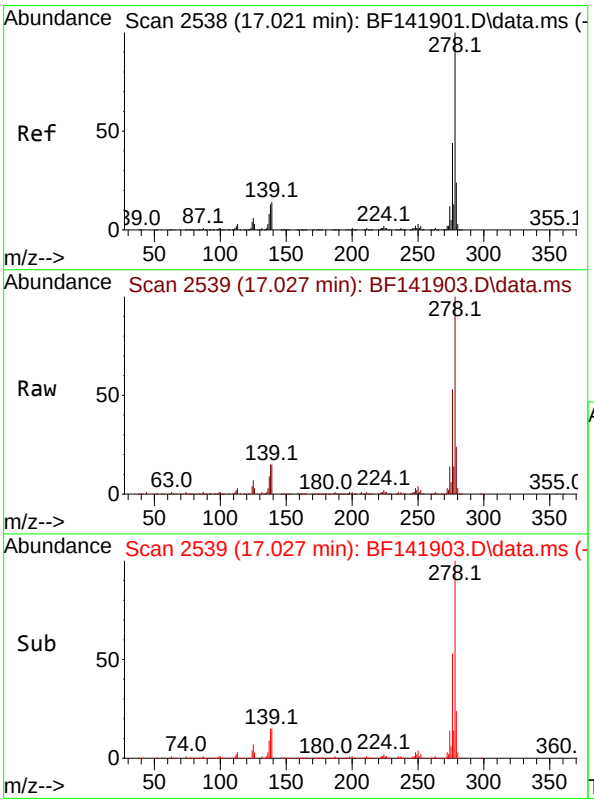
#90
Benzo(a)pyrene
Concen: 60.747 ng
RT: 15.451 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 1323726

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.0
125	10.0	7.8	11.8

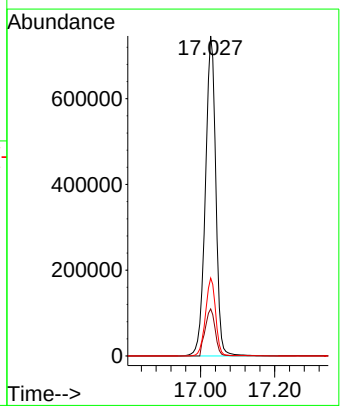


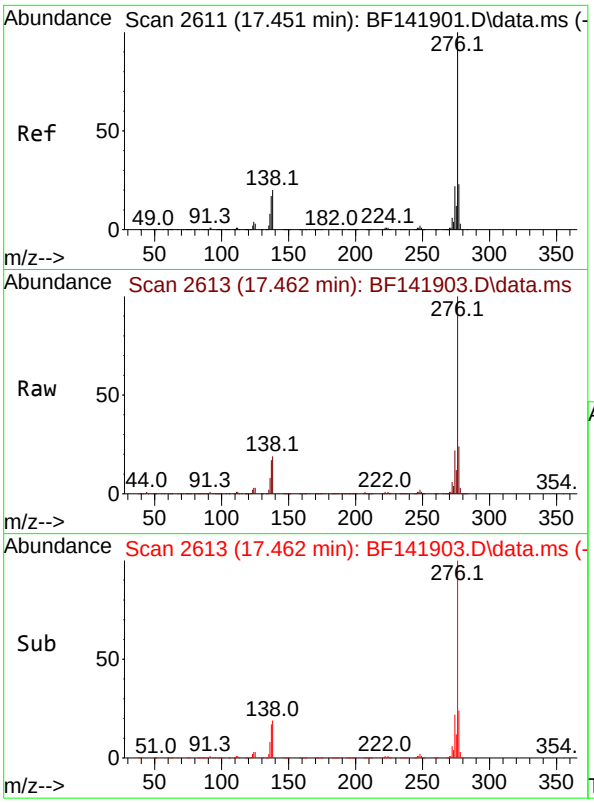


#91
Dibenzo(a,h)anthracene
Concen: 66.981 ng
RT: 17.027 min Scan# 2539
Delta R.T. 0.006 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Tgt Ion:278 Resp: 1459934

Ion	Ratio	Lower	Upper
278	100		
139	14.7	11.4	17.2
279	24.3	18.8	28.2



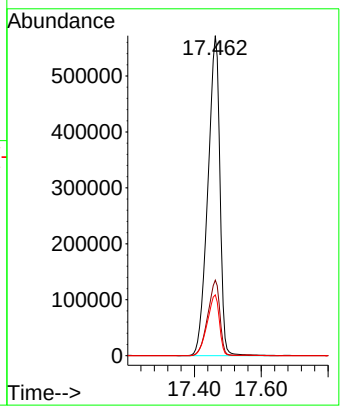


#92
Benzo(g,h,i)perylene
Concen: 65.942 ng
RT: 17.462 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141903.D
Acq: 10 Mar 2025 13:57

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:276 Resp: 1425582

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.7	28.1
138	19.0	15.8	23.8



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141904.D
Acq On : 10 Mar 2025 14:27
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Mar 10 15:37:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.887	152	214737	20.000	ng		0.00
21) Naphthalene-d8	8.169	136	826030	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	452864	20.000	ng		0.00
64) Phenanthrene-d10	11.404	188	738472	20.000	ng		0.00
76) Chrysene-d12	14.045	240	424370	20.000	ng		0.00
86) Perylene-d12	15.510	264	391768	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.498	112	1930406	149.991	ng		0.00
7) Phenol-d6	6.522	99	2446183	149.235	ng		0.02
23) Nitrobenzene-d5	7.457	82	2335417	158.463	ng		0.01
42) 2,4,6-Tribromophenol	10.716	330	986206	171.858	ng		0.01
45) 2-Fluorobiphenyl	9.245	172	4513418	151.763	ng		0.00
79) Terphenyl-d14	12.992	244	4700026	163.713	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.669	88	436007	80.831	ng		98
3) Pyridine	3.440	79	1059473	79.923	ng		99
4) n-Nitrosodimethylamine	3.416	42	521442	82.752	ng		99
6) Aniline	6.563	93	1160437	71.712	ng		99
8) 2-Chlorophenol	6.675	128	1078659	75.616	ng		98
10) Phenol	6.534	94	1285145	74.308	ng		89
11) bis(2-Chloroethyl)ether	6.628	93	968280	74.725	ng		99
12) 1,3-Dichlorobenzene	6.828	146	1173924	76.153	ng		100
13) 1,4-Dichlorobenzene	6.904	146	1181975	75.784	ng		99
14) 1,2-Dichlorobenzene	7.063	146	1093316	74.440	ng		99
15) Benzyl Alcohol	7.034	79	1013314	76.376	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.163	45	1127534	72.198	ng		98
17) 2-Methylphenol	7.134	107	876665	77.326	ng		98
18) Hexachloroethane	7.398	117	448765	76.745	ng		96
19) n-Nitroso-di-n-propyla...	7.316	70	783318	74.351	ng		100
20) 3+4-Methylphenols	7.298	107	1050191	72.219	ng	#	84
22) Acetophenone	7.304	105	1496035	75.498	ng	#	95
24) Nitrobenzene	7.475	77	1162753	79.572	ng		100
25) Isophorone	7.722	82	2056405	79.032	ng		100
26) 2-Nitrophenol	7.787	139	599261	83.688	ng		99
27) 2,4-Dimethylphenol	7.822	122	767514	77.821	ng		99
28) bis(2-Chloroethoxy)met...	7.916	93	1248549	76.598	ng		100
29) 2,4-Dichlorophenol	8.028	162	971886	79.403	ng		99
30) 1,2,4-Trichlorobenzene	8.110	180	1062793	78.705	ng		99
31) Naphthalene	8.192	128	3152444	74.497	ng		99
32) Benzoic acid	7.975	122	795850	92.323	ng		98
33) 4-Chloroaniline	8.239	127	1088546	72.896	ng		100
34) Hexachlorobutadiene	8.304	225	713827	81.299	ng		99
35) Caprolactam	8.639	113	311758m	83.763	ng		
36) 4-Chloro-3-methylphenol	8.716	107	1056917	77.644	ng		99
37) 2-Methylnaphthalene	8.881	142	2129990	75.023	ng		100
38) 1-Methylnaphthalene	8.981	142	2050191	74.568	ng		99
40) 1,2,4,5-Tetrachloroben...	9.045	216	1127671	81.667	ng		98
41) Hexachlorocyclopentadiene	9.028	237	463300	85.031	ng		99
43) 2,4,6-Trichlorophenol	9.157	196	741710	82.399	ng		100
44) 2,4,5-Trichlorophenol	9.198	196	736926	80.579	ng		100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141904.D
Acq On : 10 Mar 2025 14:27
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Mar 10 15:37:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	9.345	154	2626697	76.503	ng		99
47) 2-Chloronaphthalene	9.369	162	1992242	77.859	ng		99
48) 2-Nitroaniline	9.463	65	597778	81.326	ng		98
49) Acenaphthylene	9.786	152	2878496	75.877	ng		99
50) Dimethylphthalate	9.657	163	2428843	77.192	ng		100
51) 2,6-Dinitrotoluene	9.710	165	529139	80.867	ng		99
52) Acenaphthene	9.957	154	2085941	77.872	ng		99
53) 3-Nitroaniline	9.881	138	526980	78.435	ng		100
54) 2,4-Dinitrophenol	9.981	184	305399	81.479	ng	#	55
55) Dibenzofuran	10.128	168	2844432	74.474	ng		99
56) 4-Nitrophenol	10.033	139	416153	82.456	ng		97
57) 2,4-Dinitrotoluene	10.116	165	681278	79.099	ng		95
58) Fluorene	10.475	166	2210653	74.974	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	668027	80.507	ng		99
60) Diethylphthalate	10.345	149	2358921	74.681	ng		99
61) 4-Chlorophenyl-phenyle...	10.463	204	1209021	78.724	ng		97
62) 4-Nitroaniline	10.504	138	502894	77.243	ng		98
63) Azobenzene	10.622	77	2168742	73.911	ng		99
65) 4,6-Dinitro-2-methylph...	10.522	198	404505	92.396	ng		98
66) n-Nitrosodiphenylamine	10.586	169	1882098	78.895	ng		99
67) 4-Bromophenyl-phenylether	10.957	248	774645	84.232	ng		95
68) Hexachlorobenzene	11.016	284	862357	84.832	ng		97
70) Pentachlorophenol	11.210	266	563030	89.813	ng		100
71) Phenanthrene	11.433	178	3020950	75.649	ng		99
72) Anthracene	11.486	178	3031014	75.653	ng		99
73) Carbazole	11.639	167	2552563	74.002	ng		98
74) Di-n-butylphthalate	11.969	149	3342776	73.399	ng		99
75) Fluoranthene	12.622	202	3005566	71.694	ng		99
77) Benzidine	12.733	184	427770	71.330	ng		99
78) Pyrene	12.851	202	2930115	80.513	ng		99
80) Butylbenzylphthalate	13.463	149	1149989	80.189	ng		99
81) Benzo(a)anthracene	14.033	228	2196935	78.692	ng		100
82) 3,3'-Dichlorobenzidine	13.998	252	652678	80.884	ng		99
83) Chrysene	14.074	228	2018832	80.498	ng		99
84) Bis(2-ethylhexyl)phtha...	14.021	149	1573231	79.962	ng		98
85) Di-n-octyl phthalate	14.633	149	2310836	84.386	ng		100
87) Indeno(1,2,3-cd)pyrene	17.009	276	2238588	88.111	ng		99
88) Benzo(b)fluoranthene	15.086	252	2246428	84.536	ng		99
89) Benzo(k)fluoranthene	15.116	252	1631675	70.292	ng		99
90) Benzo(a)pyrene	15.457	252	1725632	82.339	ng		100
91) Dibenzo(a,h)anthracene	17.033	278	1846778	88.098	ng		99
92) Benzo(g,h,i)perylene	17.468	276	1828662	87.950	ng		99

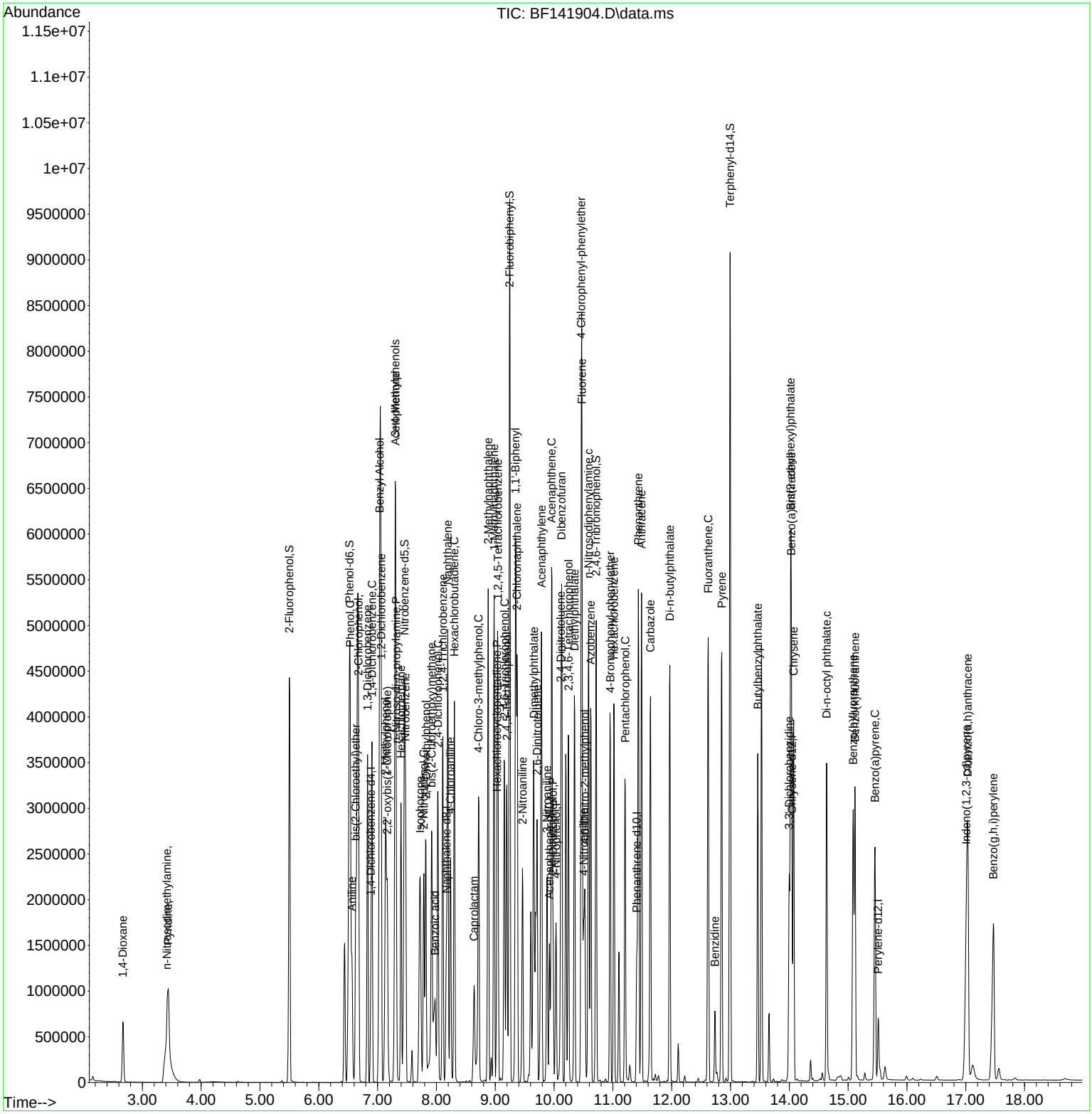
(#) = qualifier out of range (m) = manual integration (+) = signals summed

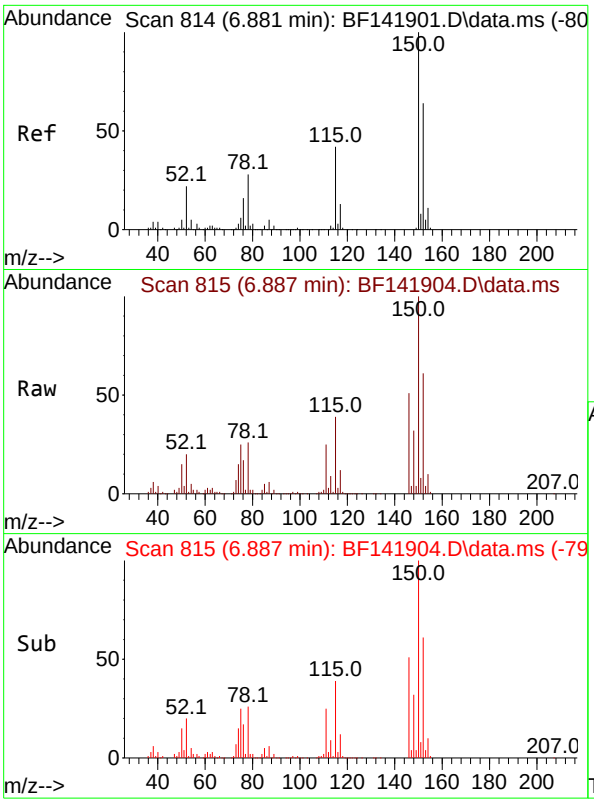
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141904.D
Acq On : 10 Mar 2025 14:27
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Mar 10 15:37:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration



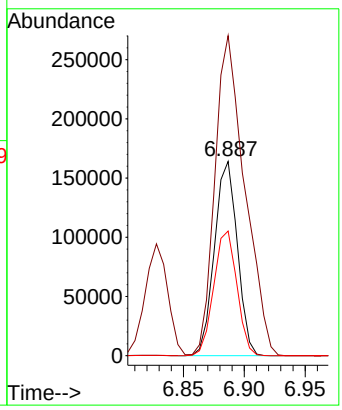


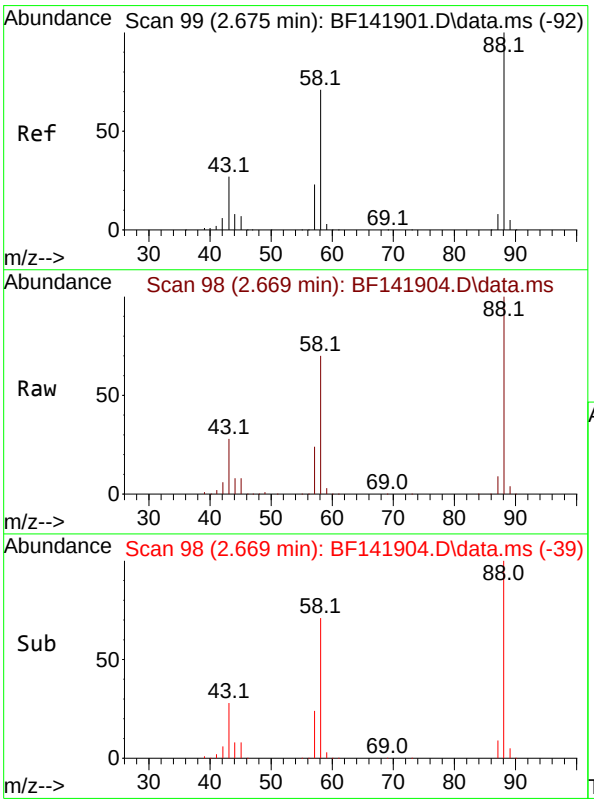
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 214737

Ion	Ratio	Lower	Upper
152	100		
150	164.7	127.4	191.2
115	64.2	51.9	77.9

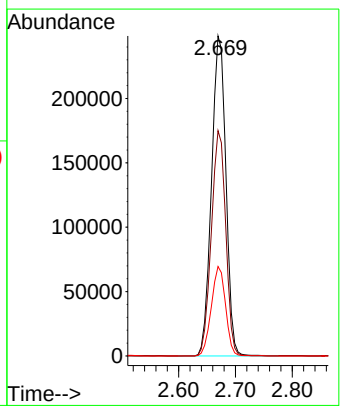


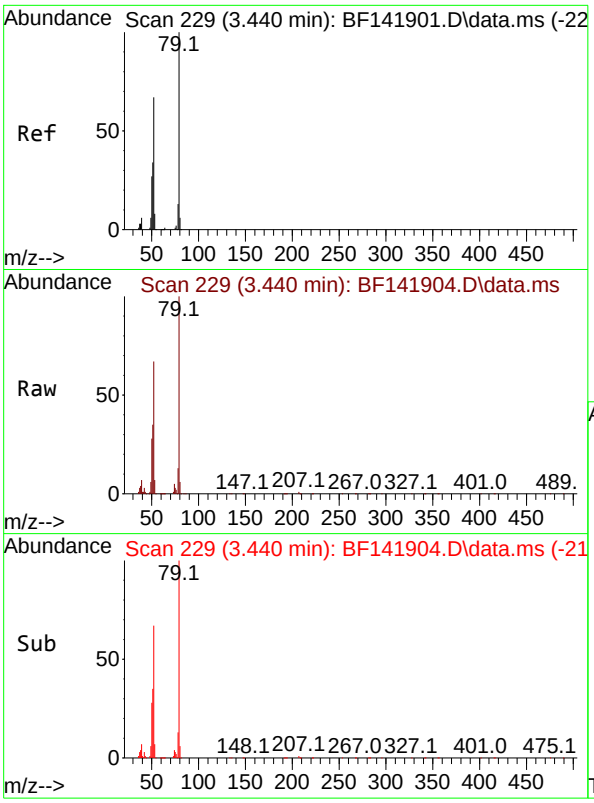


#2
1,4-Dioxane
Concen: 80.831 ng
RT: 2.669 min Scan# 98
Delta R.T. -0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion: 88 Resp: 436007

Ion	Ratio	Lower	Upper
88	100		
58	70.3	57.4	86.2
43	27.6	21.5	32.3



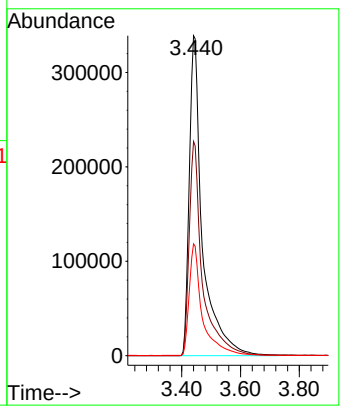


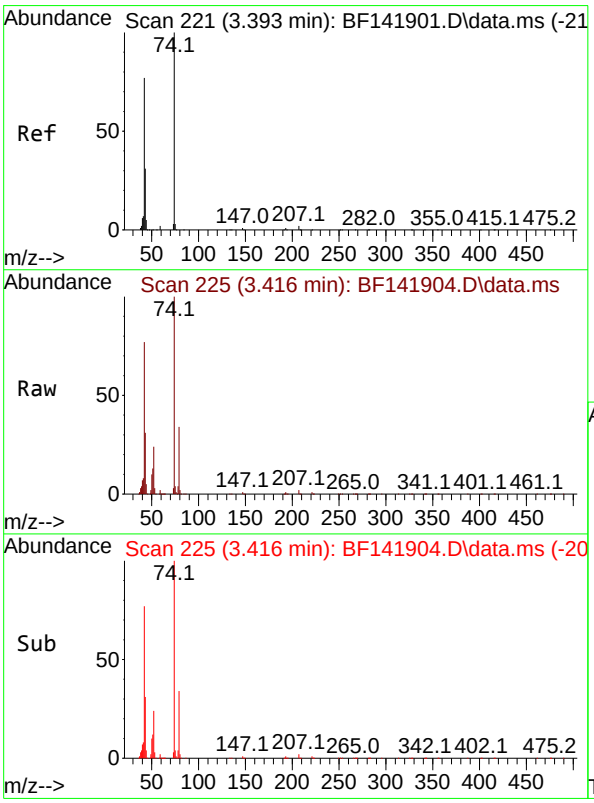
#3
Pyridine
Concen: 79.923 ng
RT: 3.440 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 1059473

Ion	Ratio	Lower	Upper
79	100		
52	66.9	53.3	79.9
51	35.0	27.6	41.4

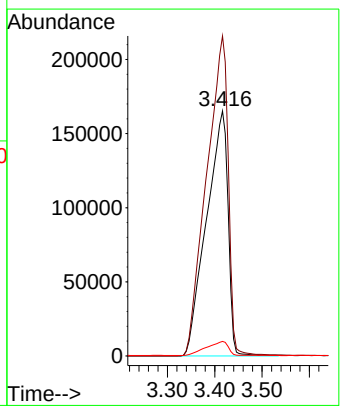


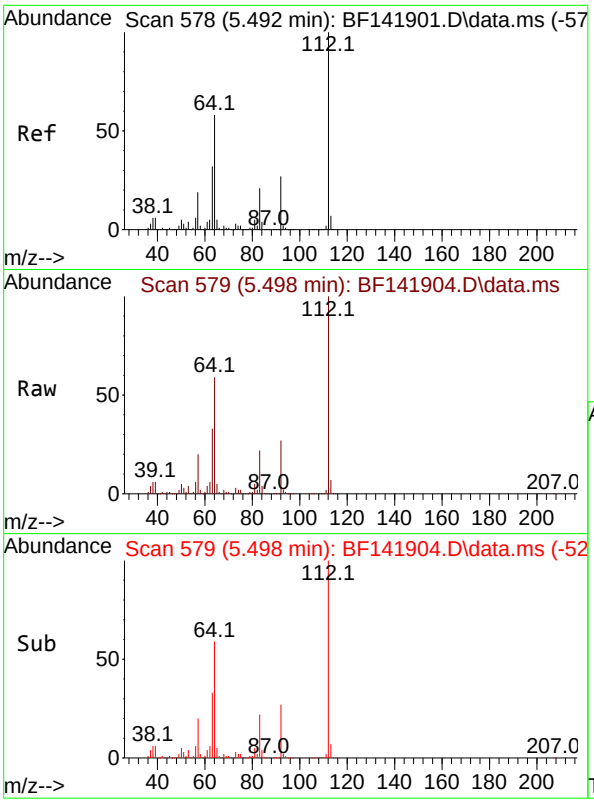


#4
n-Nitrosodimethylamine
Concen: 82.752 ng
RT: 3.416 min Scan# 225
Delta R.T. 0.024 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion: 42 Resp: 521442

Ion	Ratio	Lower	Upper
42	100		
74	130.6	103.4	155.0
44	6.0	5.0	7.4



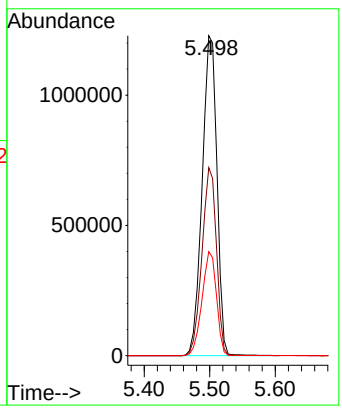


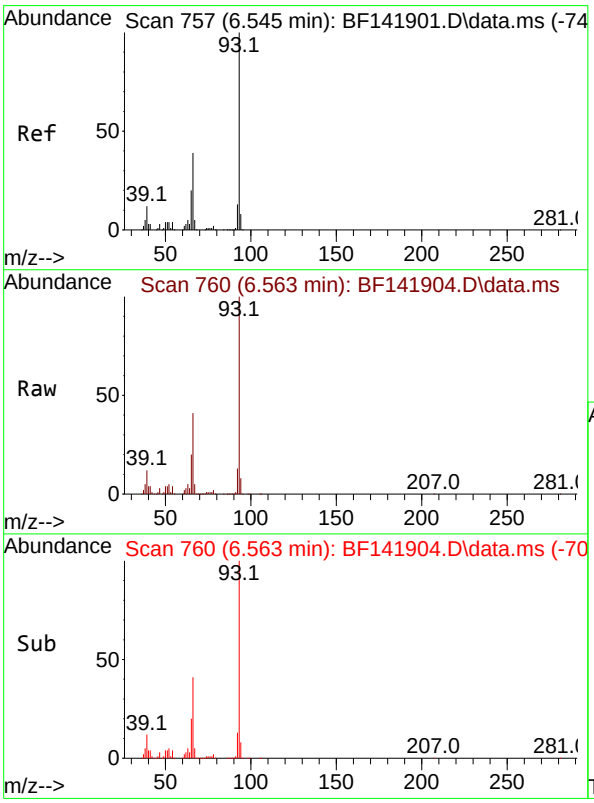
#5
2-Fluorophenol
Concen: 149.991 ng
RT: 5.498 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:112 Resp: 1930406

Ion	Ratio	Lower	Upper
112	100		
64	58.7	46.5	69.7
63	32.5	25.4	38.2

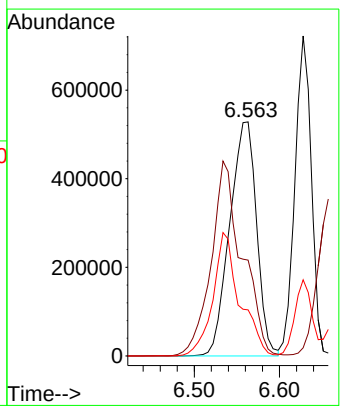




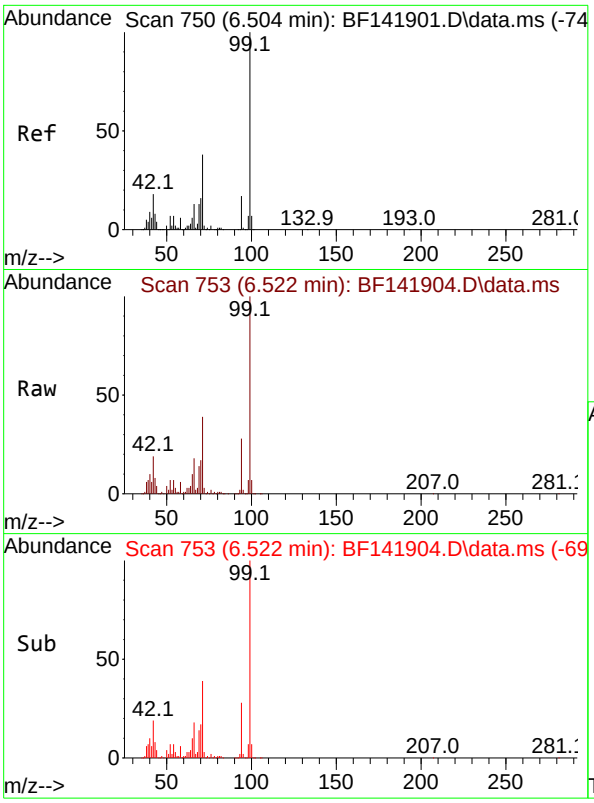
#6
Aniline
Concen: 71.712 ng
RT: 6.563 min Scan# 760
Delta R.T. 0.018 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion: 93 Resp: 1160437

Ion	Ratio	Lower	Upper
93	100		
66	40.9	31.9	47.9
65	19.7	15.8	23.6



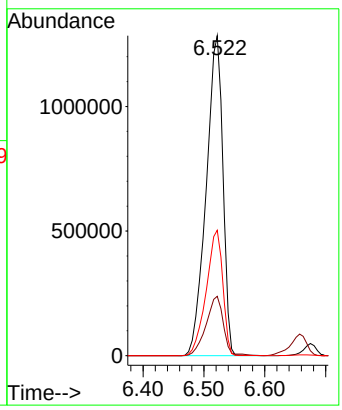
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

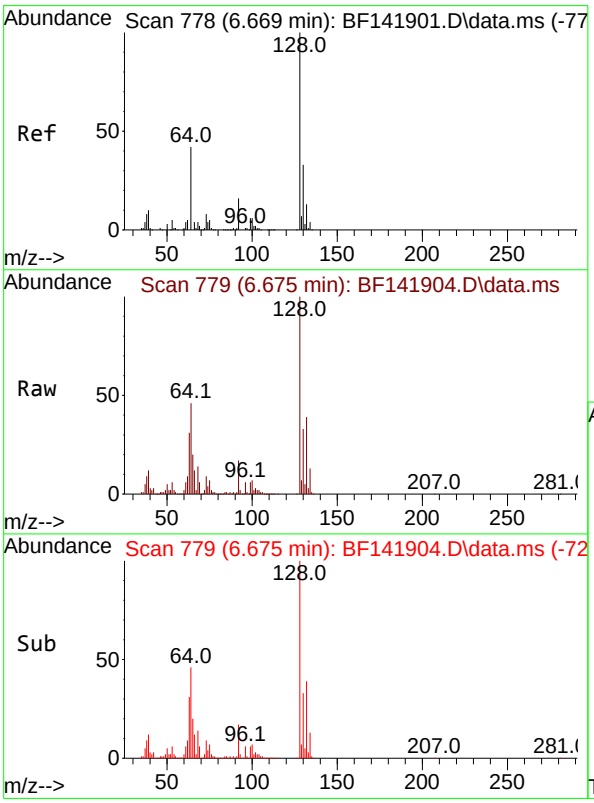


#7
Phenol-d6
Concen: 149.235 ng
RT: 6.522 min Scan# 7
Delta R.T. 0.018 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion: 99 Resp: 2446183

Ion	Ratio	Lower	Upper
99	100		
42	18.5	14.6	21.8
71	39.2	30.8	46.2

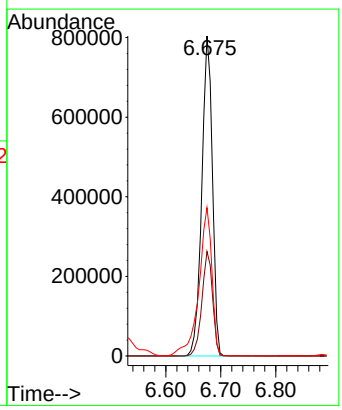


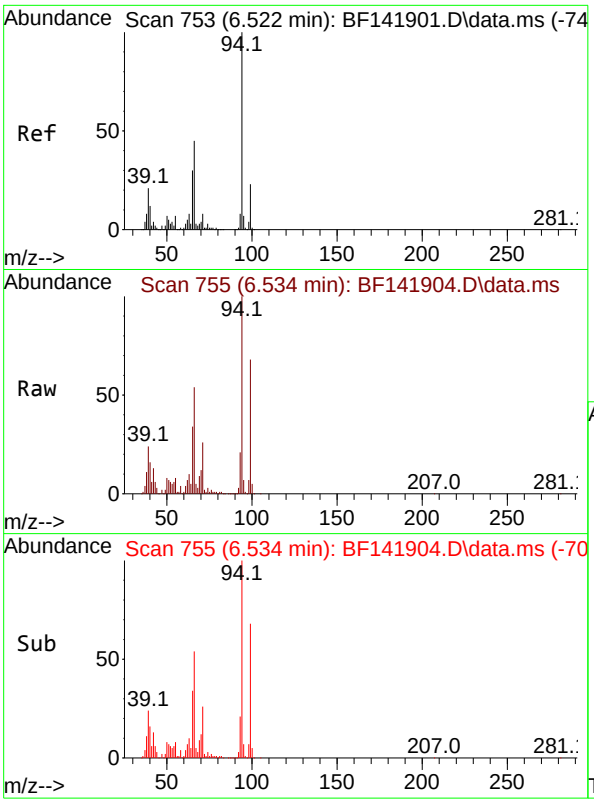


#8
2-Chlorophenol
Concen: 75.616 ng
RT: 6.675 min Scan# 779
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:128 Resp: 1078659

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.8	52.8
64	46.4	24.4	64.4



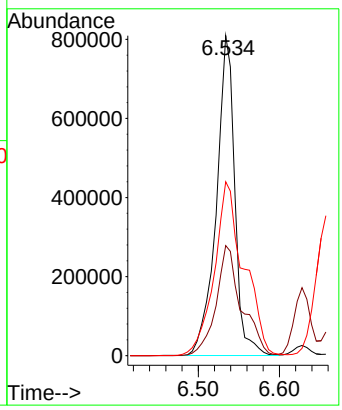


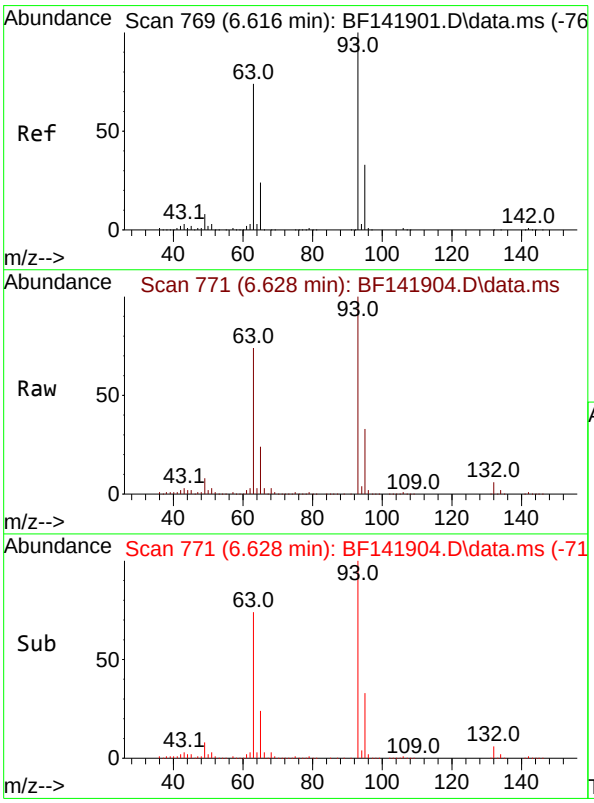
#10
Phenol
Concen: 74.308 ng
RT: 6.534 min Scan# 7
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 94 Resp: 1285145

Ion	Ratio	Lower	Upper
94	100		
65	34.4	10.5	50.5
66	54.3	25.8	65.8

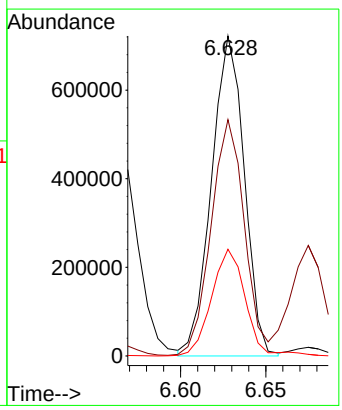


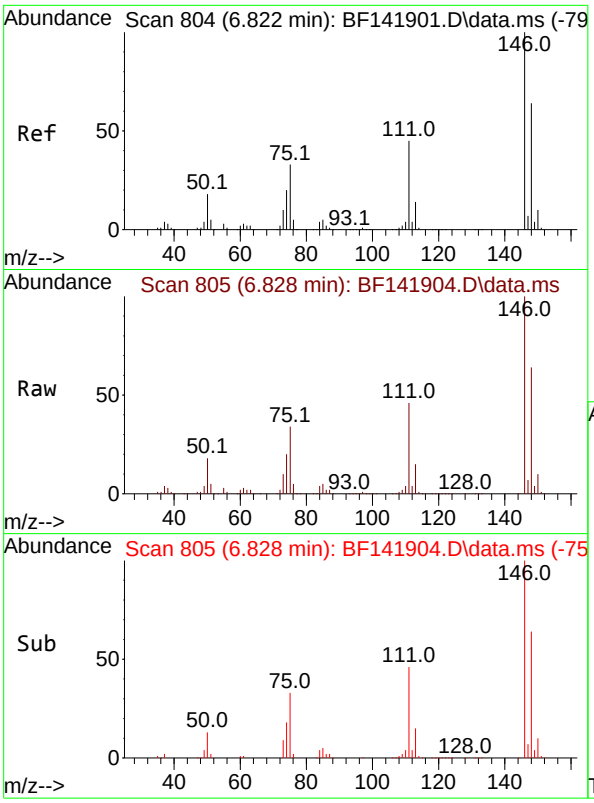


#11
bis(2-Chloroethyl)ether
Concen: 74.725 ng
RT: 6.628 min Scan# 771
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion: 93 Resp: 968280

Ion	Ratio	Lower	Upper
93	100		
63	73.9	53.0	93.0
95	33.4	12.9	52.9



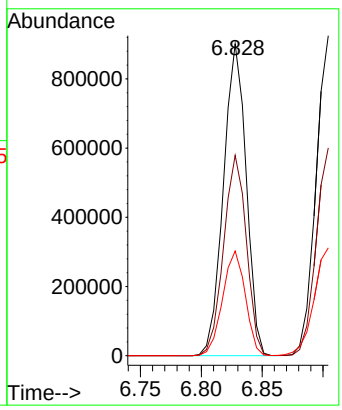


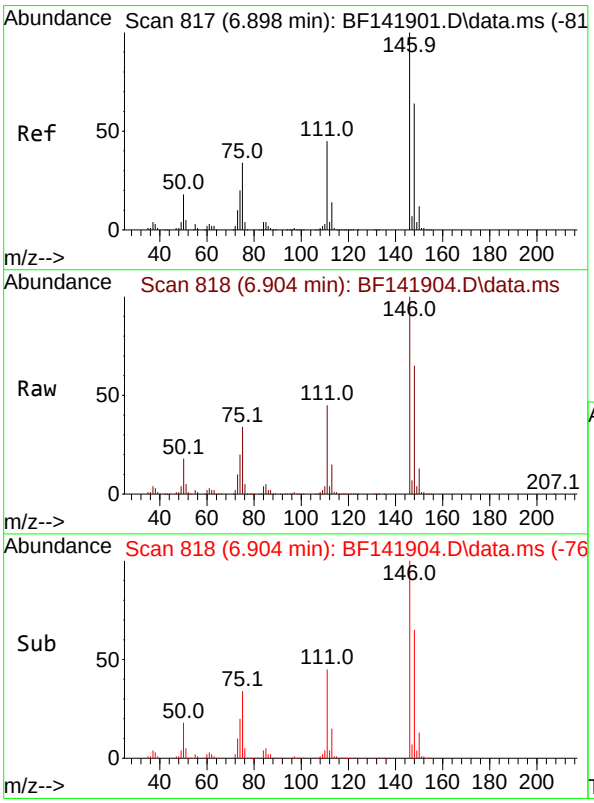
#12
1,3-Dichlorobenzene
Concen: 76.153 ng
RT: 6.828 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 1173924

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.3	76.9
75	33.6	26.6	40.0

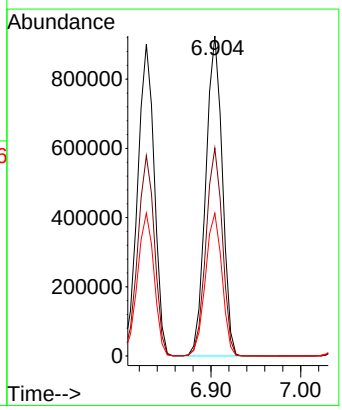


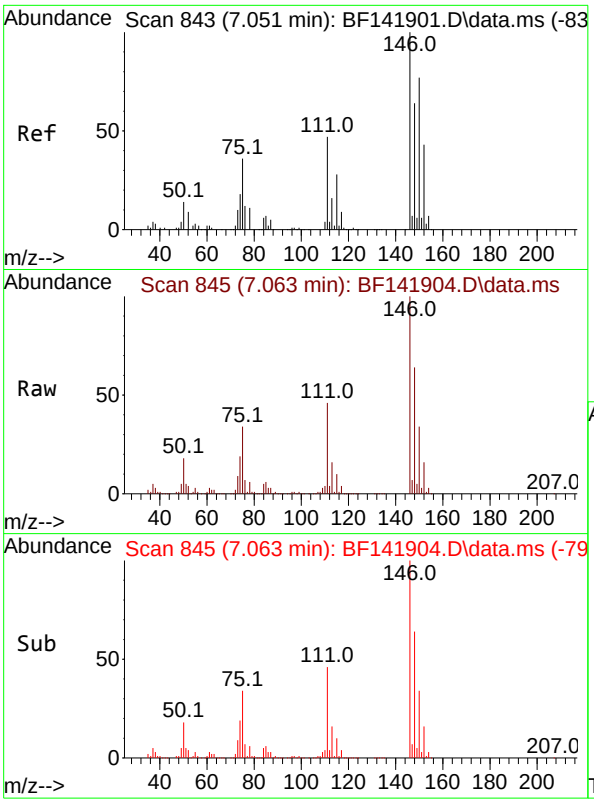


#13
1,4-Dichlorobenzene
Concen: 75.784 ng
RT: 6.904 min Scan# 818
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:146 Resp: 1181975

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.0	76.6
111	44.6	35.7	53.5



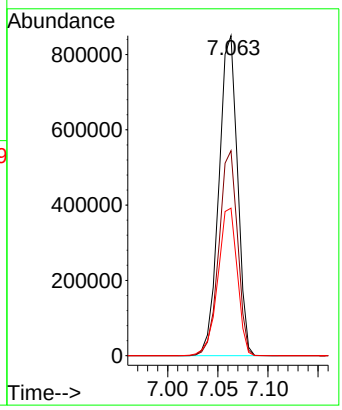


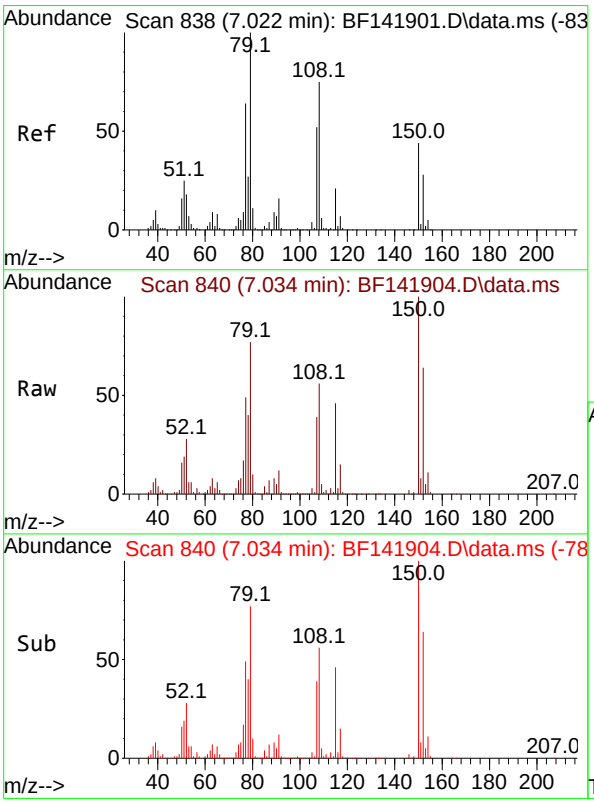
#14
1,2-Dichlorobenzene
Concen: 74.440 ng
RT: 7.063 min Scan# 84
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 1093316

Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.8	76.2
111	46.1	38.0	57.0

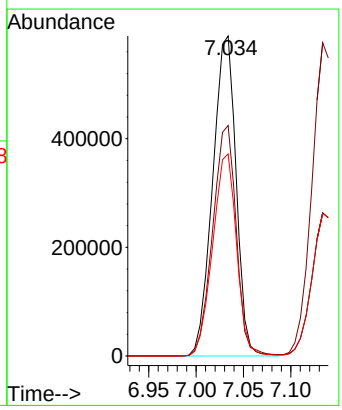


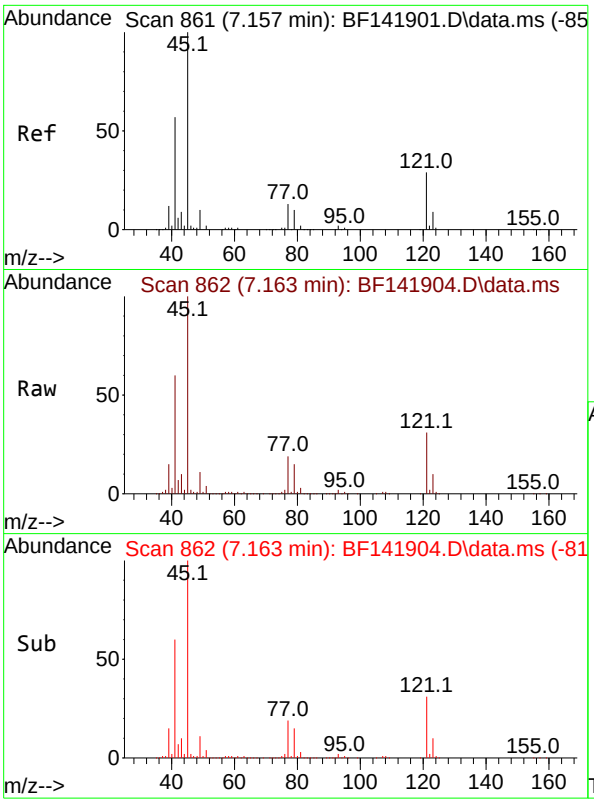


#15
Benzyl Alcohol
Concen: 76.376 ng
RT: 7.034 min Scan# 840
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion: 79 Resp: 1013314

Ion	Ratio	Lower	Upper
79	100		
108	72.0	59.7	89.5
77	63.1	51.0	76.6



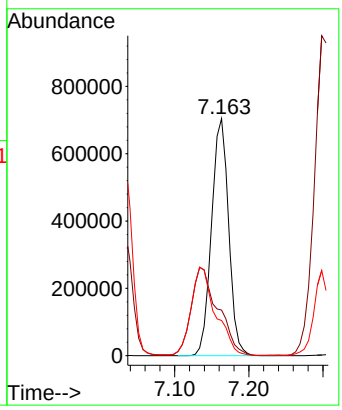


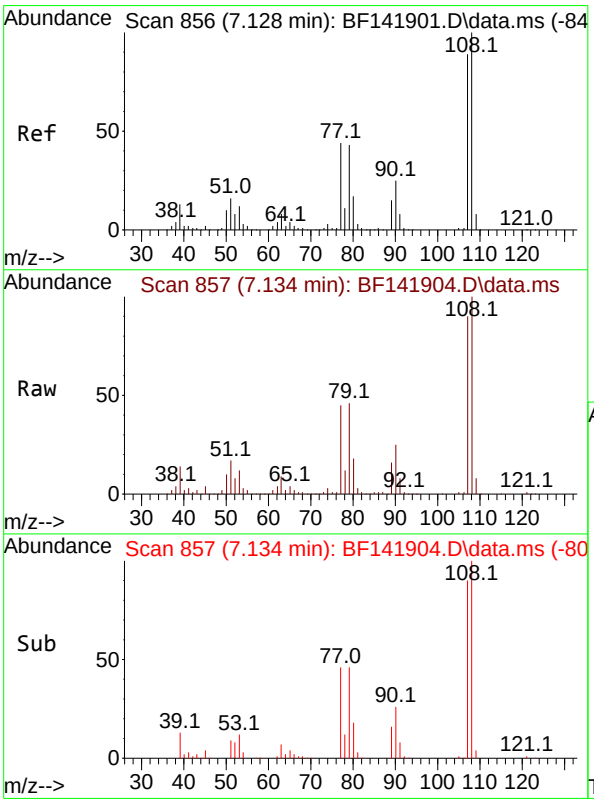
#16
2,2'-oxybis(1-Chloropropane)
Concen: 72.198 ng
RT: 7.163 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 45 Resp: 1127534

Ion	Ratio	Lower	Upper
45	100		
77	19.3	0.0	37.8
79	14.8	0.0	34.2

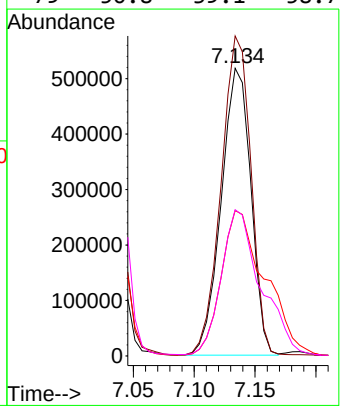


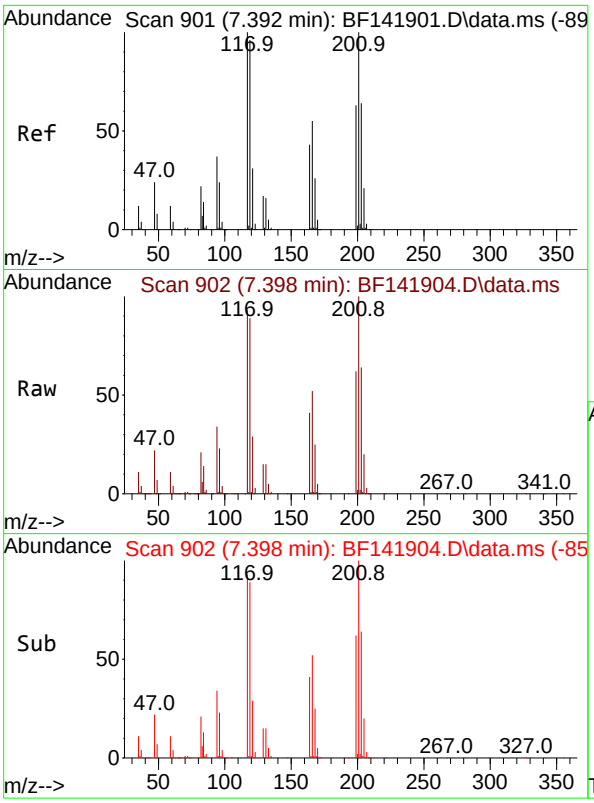


#17
2-Methylphenol
Concen: 77.326 ng
RT: 7.134 min Scan# 857
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:107 Resp: 876665

Ion	Ratio	Lower	Upper
107	100		
108	111.3	90.2	135.2
77	50.5	39.6	59.4
79	50.8	39.1	58.7



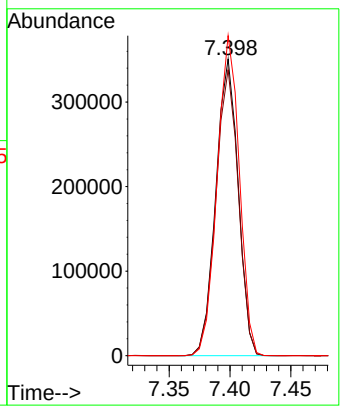


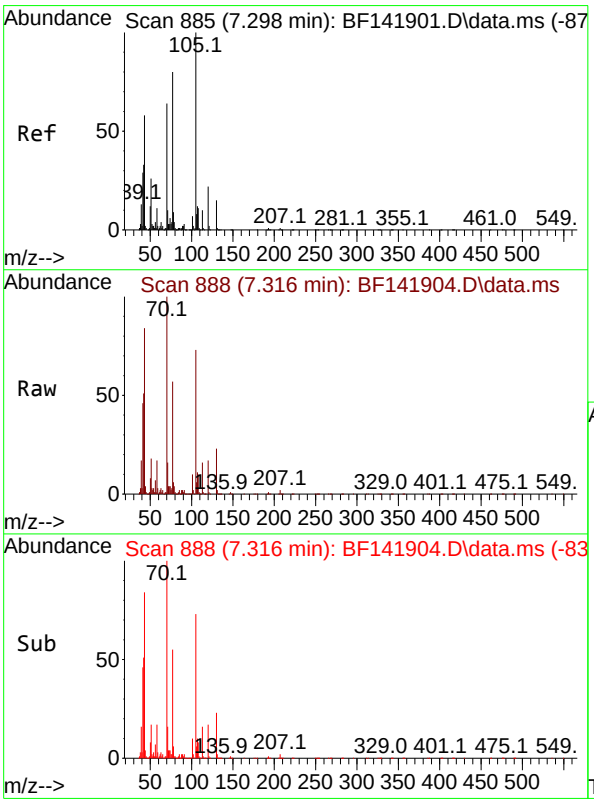
#18
Hexachloroethane
Concen: 76.745 ng
RT: 7.398 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:117 Resp: 448765

Ion	Ratio	Lower	Upper
117	100		
119	96.4	76.9	115.3
201	107.9	79.9	119.9

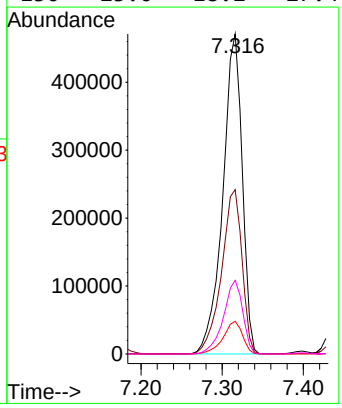


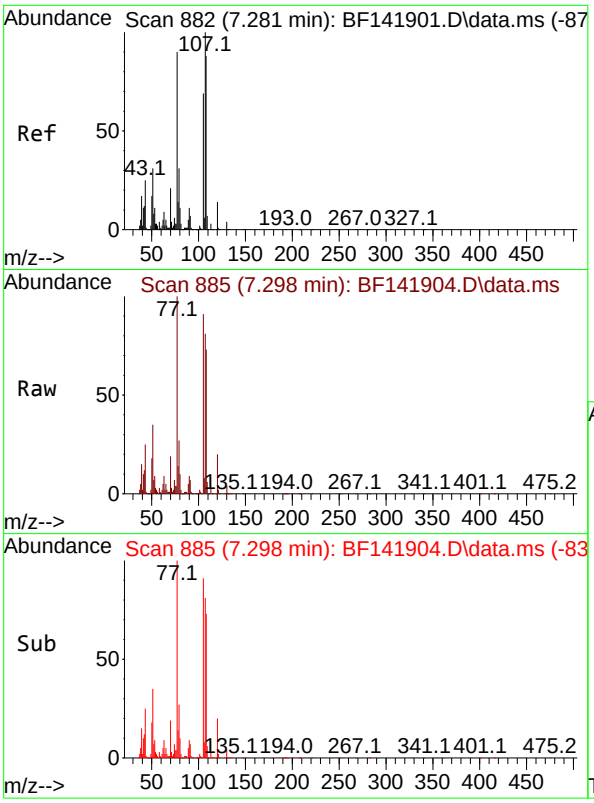


#19
n-Nitroso-di-n-propylamine
Concen: 74.351 ng
RT: 7.316 min Scan# 888
Delta R.T. 0.018 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion: 70 Resp: 783318

Ion	Ratio	Lower	Upper
70	100		
42	51.4	41.4	62.0
101	10.2	8.2	12.2
130	23.0	18.2	27.4



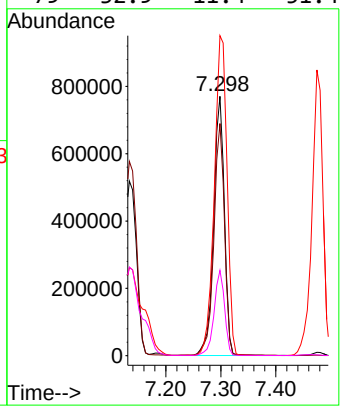


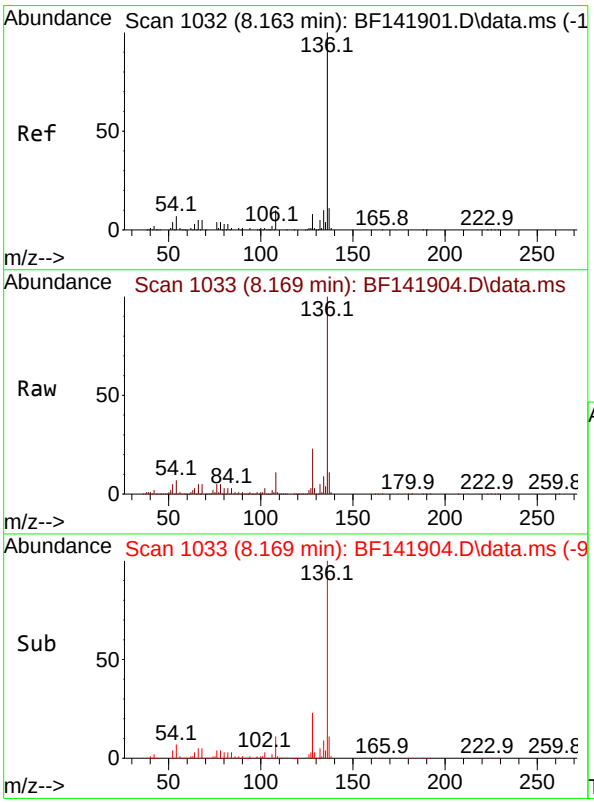
#20
3+4-Methylphenols
Concen: 72.219 ng
RT: 7.298 min Scan# 8
Delta R.T. 0.018 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 1050191

Ion	Ratio	Lower	Upper
107	100		
108	89.5	68.4	108.4
77	123.4	69.7	109.7#
79	32.9	11.4	51.4

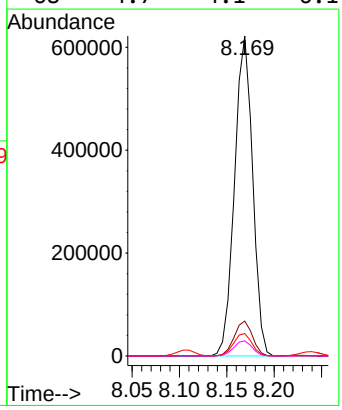


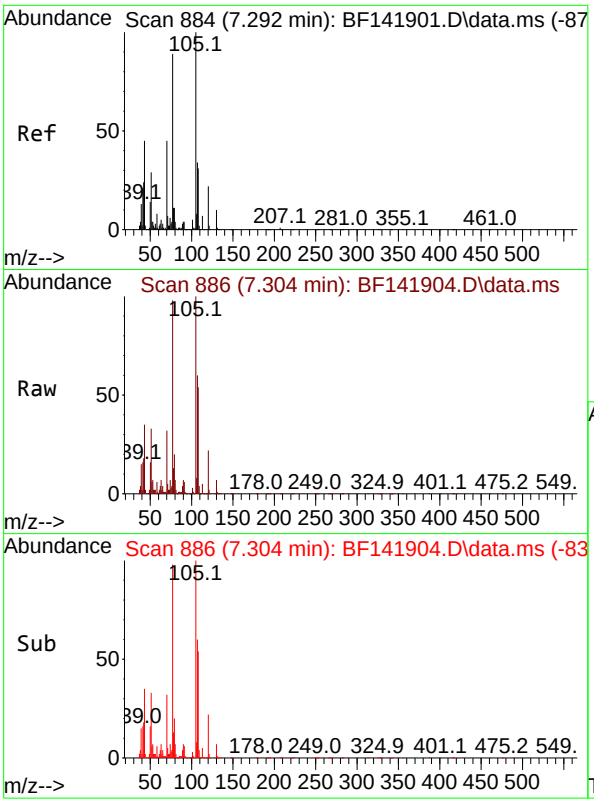


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:136 Resp: 826030

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	7.0	5.8	8.8
68	4.7	4.1	6.1



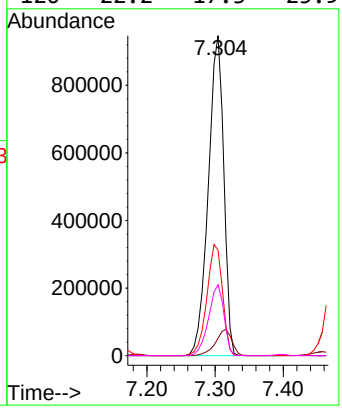


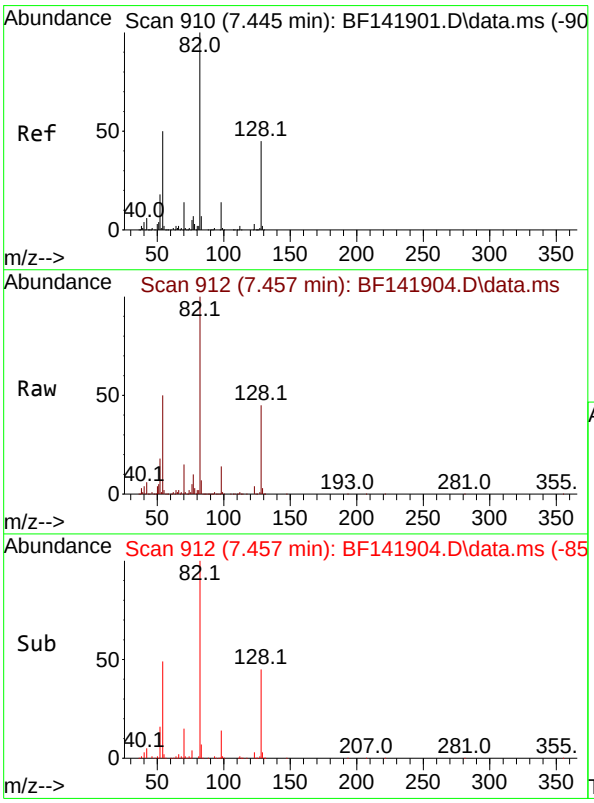
#22
Acetophenone
Concen: 75.498 ng
RT: 7.304 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:105 Resp: 1496035

Ion	Ratio	Lower	Upper
105	100		
71	5.4	5.8	8.8#
51	33.0	23.4	35.0
120	22.2	17.3	25.9

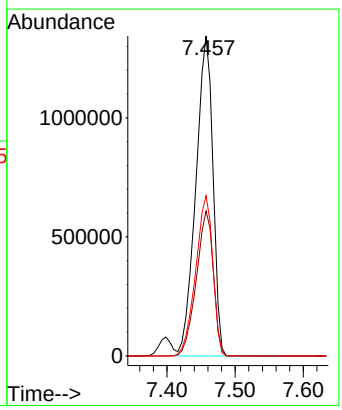


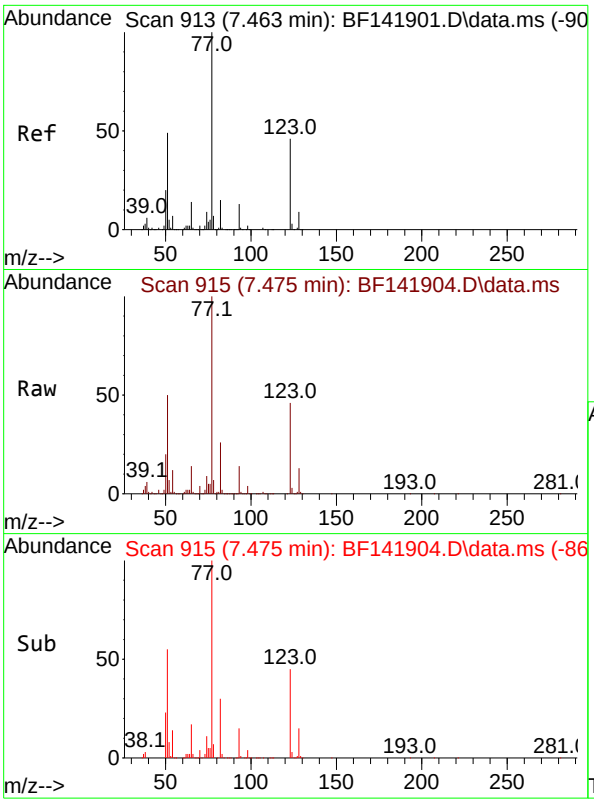


#23
Nitrobenzene-d5
Concen: 158.463 ng
RT: 7.457 min Scan# 912
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion: 82 Resp: 2335417

Ion	Ratio	Lower	Upper
82	100		
128	45.3	36.0	54.0
54	50.1	39.6	59.4



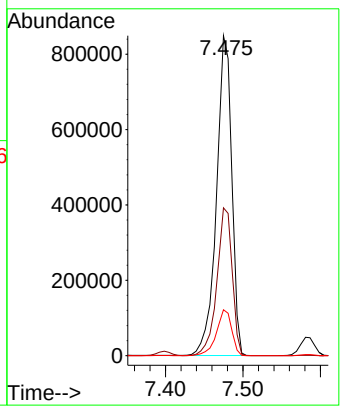


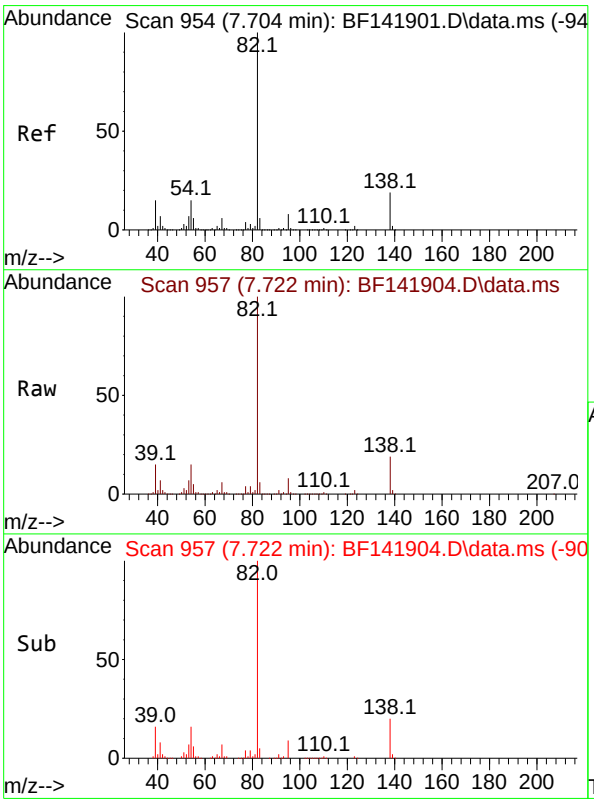
#24
Nitrobenzene
Concen: 79.572 ng
RT: 7.475 min Scan# 9
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 1162753

Ion	Ratio	Lower	Upper
77	100		
123	46.2	37.0	55.4
65	14.4	11.3	16.9

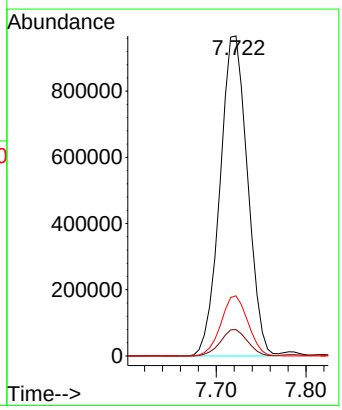


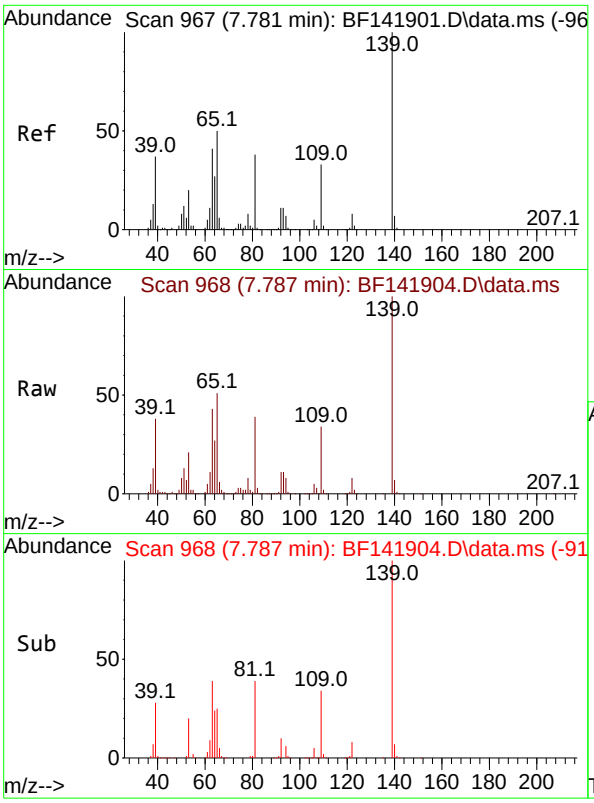


#25
Isophorone
Concen: 79.032 ng
RT: 7.722 min Scan# 957
Delta R.T. 0.018 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion: 82 Resp: 2056405

Ion	Ratio	Lower	Upper
82	100		
95	8.2	6.4	9.6
138	18.8	14.9	22.3



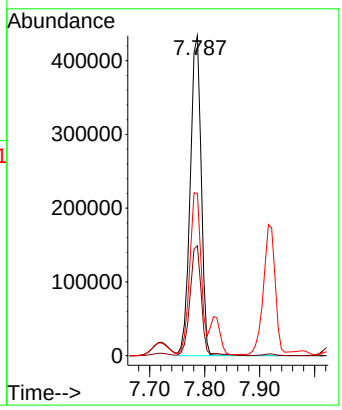


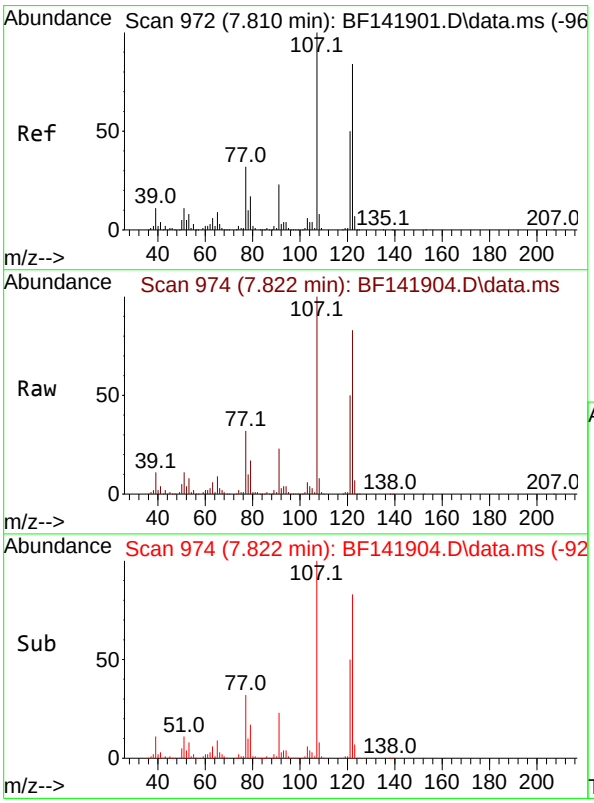
#26
2-Nitrophenol
Concen: 83.688 ng
RT: 7.787 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:139 Resp: 599261

Ion	Ratio	Lower	Upper
139	100		
109	34.4	26.5	39.7
65	50.8	40.3	60.5

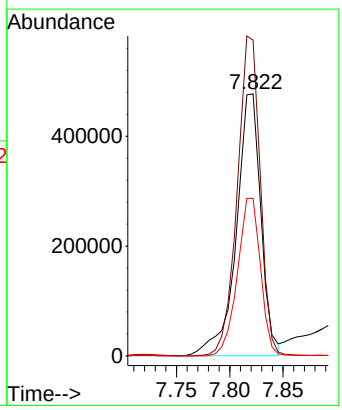


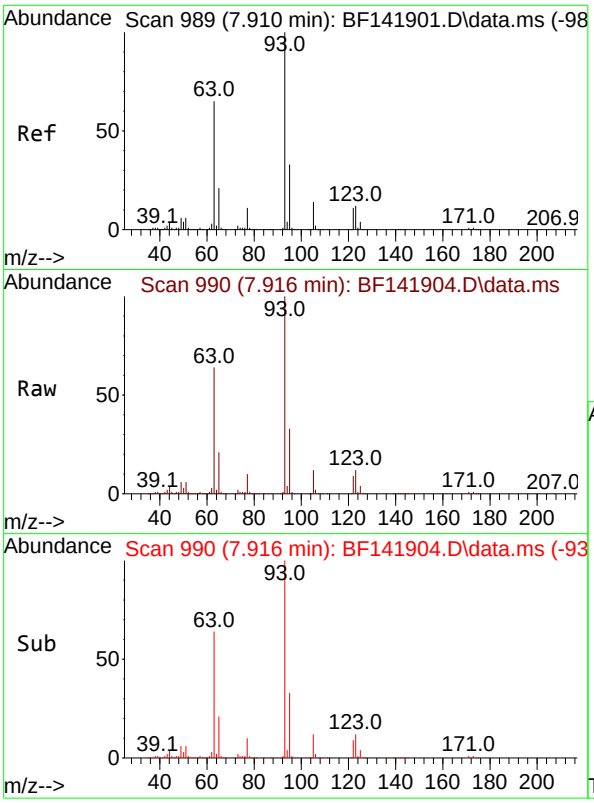


#27
2,4-Dimethylphenol
Concen: 77.821 ng
RT: 7.822 min Scan# 974
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:122 Resp: 767514

Ion	Ratio	Lower	Upper
122	100		
107	120.5	94.8	142.2
121	60.1	47.8	71.6



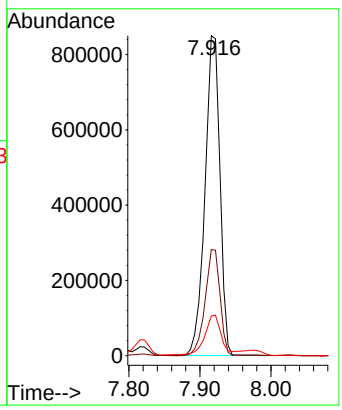


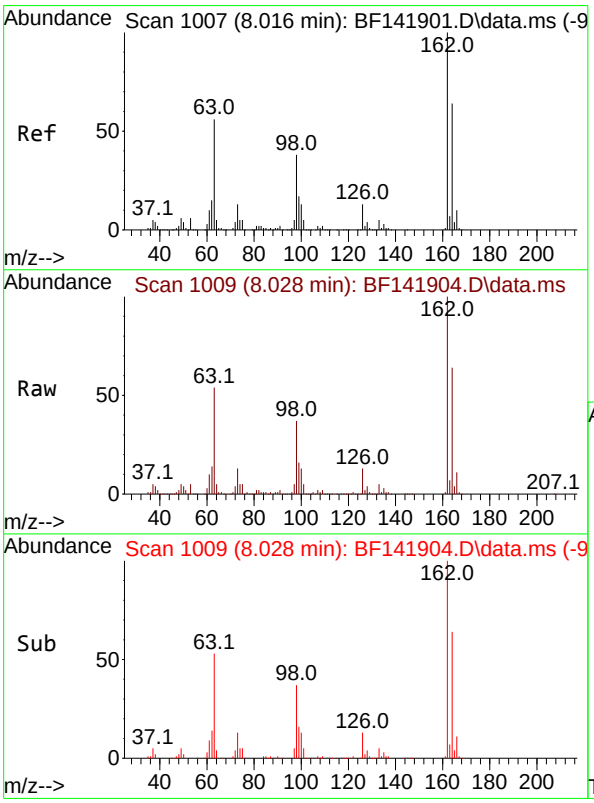
#28
bis(2-Chloroethoxy)methane
Concen: 76.598 ng
RT: 7.916 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 93 Resp: 1248549

Ion	Ratio	Lower	Upper
93	100		
95	33.2	26.6	40.0
123	12.4	10.2	15.4

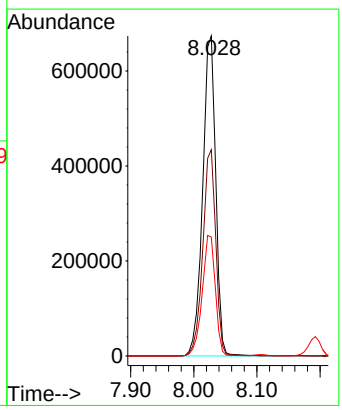


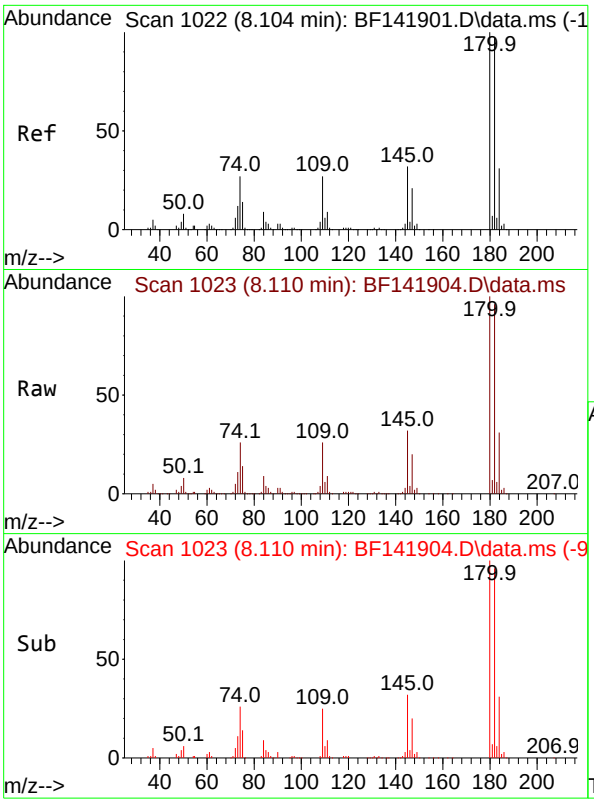


#29
2,4-Dichlorophenol
Concen: 79.403 ng
RT: 8.028 min Scan# 1009
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:162 Resp: 971886

Ion	Ratio	Lower	Upper
162	100		
164	64.4	43.8	83.8
98	37.1	18.1	58.1



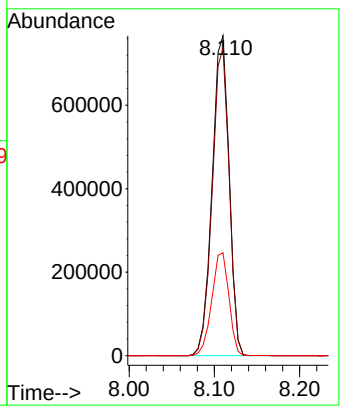


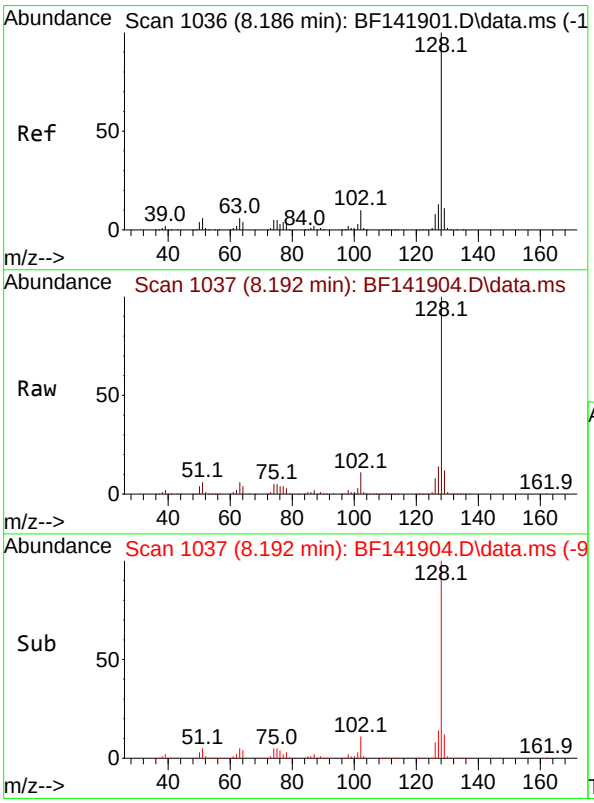
#30
1,2,4-Trichlorobenzene
Concen: 78.705 ng
RT: 8.110 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:180 Resp: 1062793

Ion	Ratio	Lower	Upper
180	100		
182	96.1	77.5	116.3
145	32.2	25.8	38.6

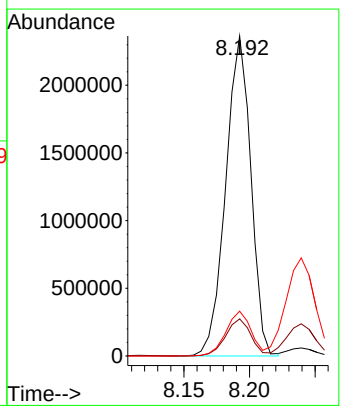


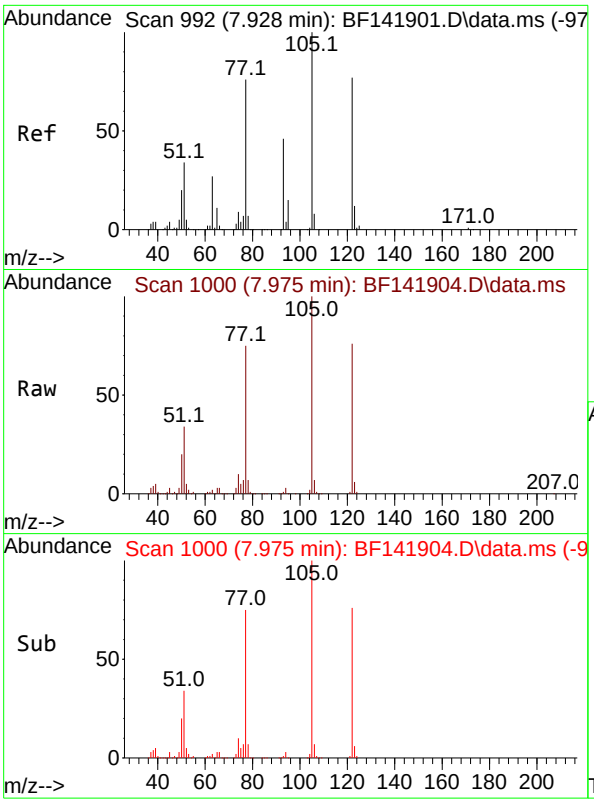


#31
Naphthalene
Concen: 74.497 ng
RT: 8.192 min Scan# 1037
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:128 Resp: 3152444

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.0	13.6
127	14.0	10.8	16.2



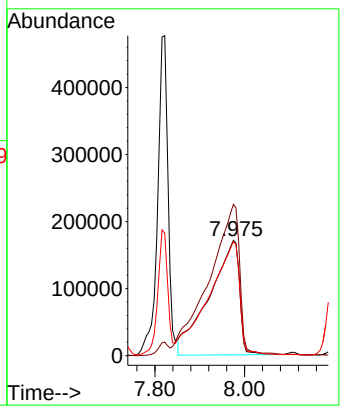


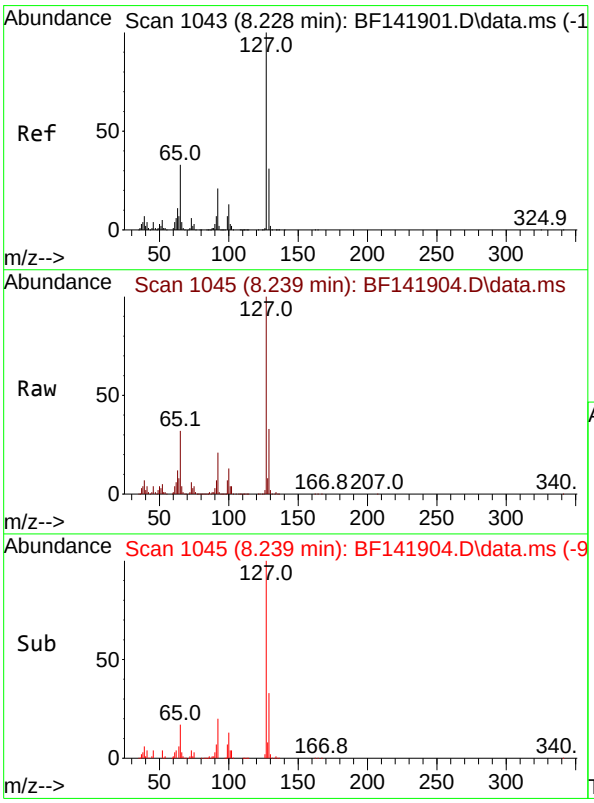
#32
Benzoic acid
Concen: 92.323 ng
RT: 7.975 min Scan# 1
Delta R.T. 0.047 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:122 Resp: 795850

Ion	Ratio	Lower	Upper
122	100		
105	131.3	107.9	147.9
77	98.9	79.0	119.0

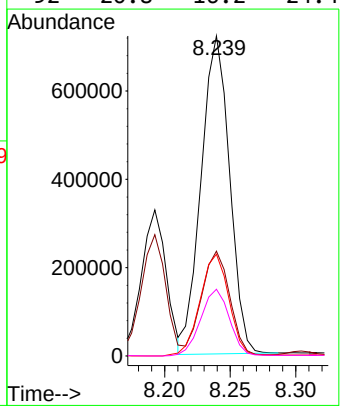


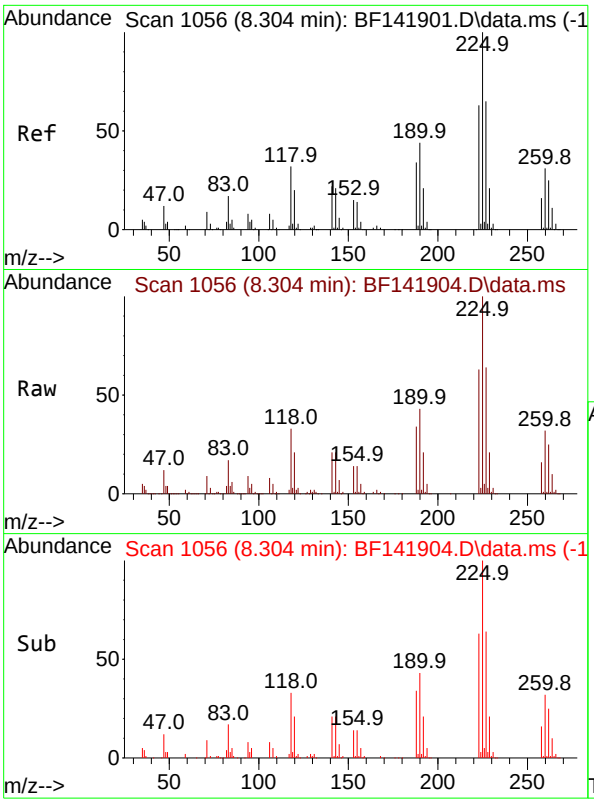


#33
4-Chloroaniline
Concen: 72.896 ng
RT: 8.239 min Scan# 1045
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:127 Resp: 1088546

Ion	Ratio	Lower	Upper
127	100		
129	32.8	26.2	39.4
65	31.8	25.4	38.2
92	20.8	16.2	24.4



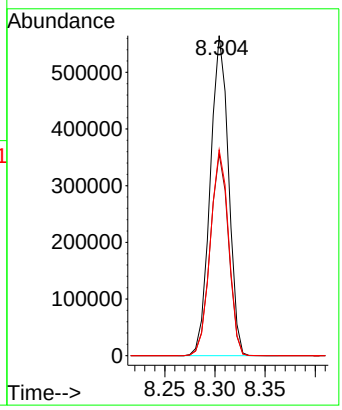


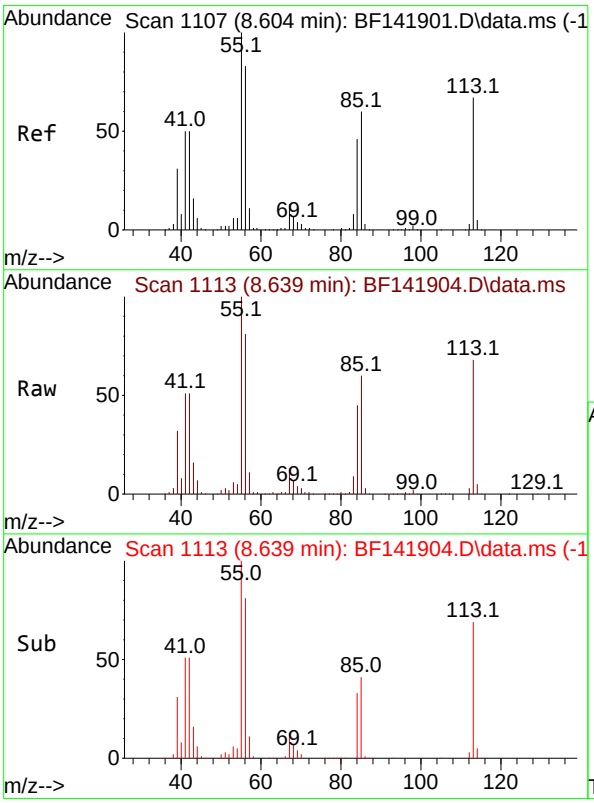
#34
Hexachlorobutadiene
Concen: 81.299 ng
RT: 8.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:225 Resp: 713827

Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.6	75.8
227	64.3	52.2	78.2

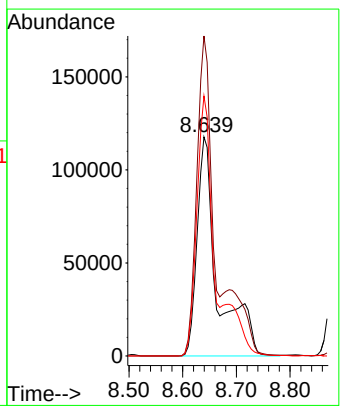


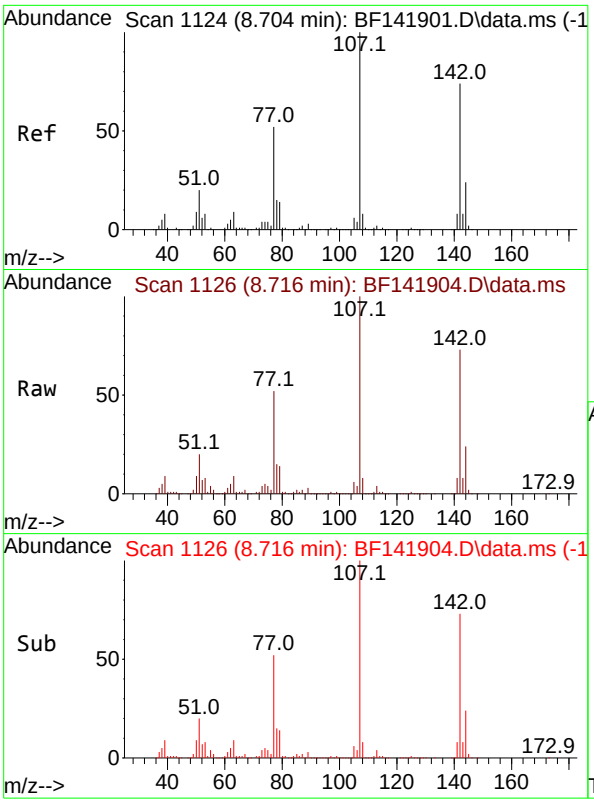


#35
Caprolactam
Concen: 83.763 ng m
RT: 8.639 min Scan# 1113
Delta R.T. 0.035 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:113 Resp: 311758

Ion	Ratio	Lower	Upper
113	100		
55	146.1	129.6	169.6
56	118.7	104.0	144.0



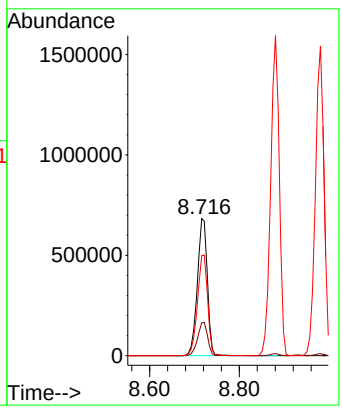


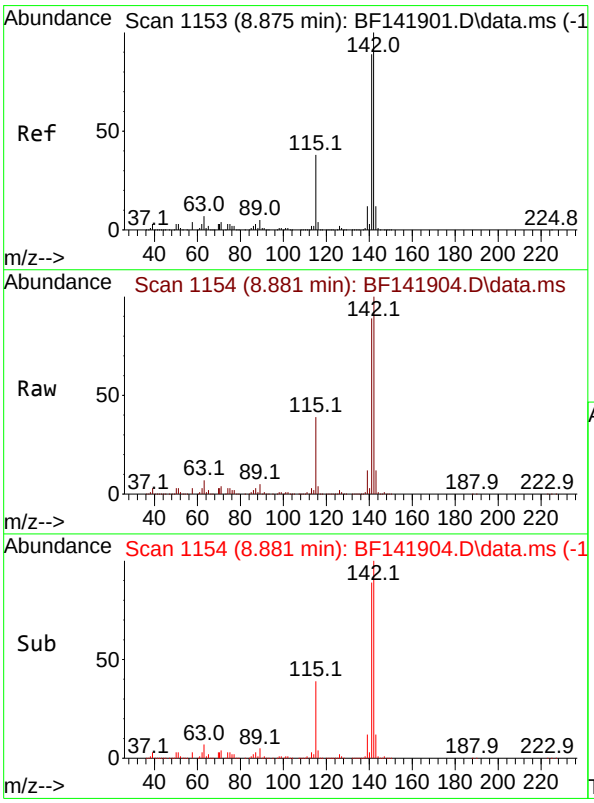
#36
4-Chloro-3-methylphenol
Concen: 77.644 ng
RT: 8.716 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 1056917

Ion	Ratio	Lower	Upper
107	100		
144	24.0	19.0	28.6
142	72.9	59.2	88.8

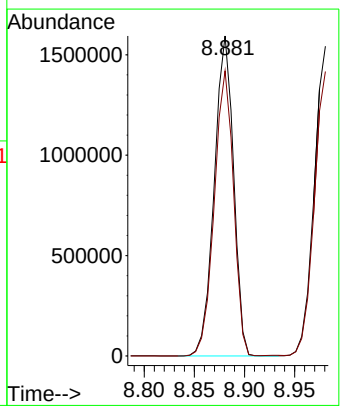


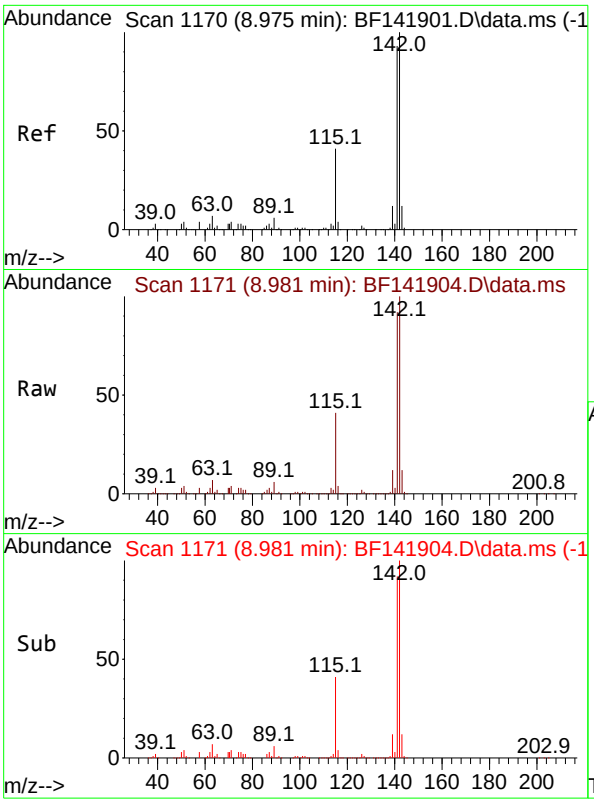


#37
2-Methylnaphthalene
Concen: 75.023 ng
RT: 8.881 min Scan# 1154
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:142 Resp: 2129990

Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.2	106.8



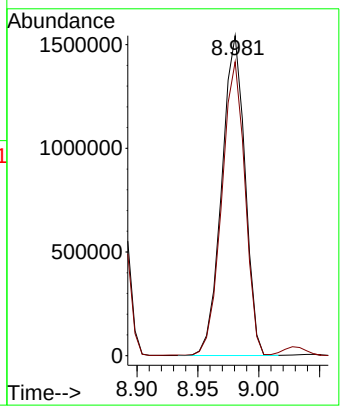


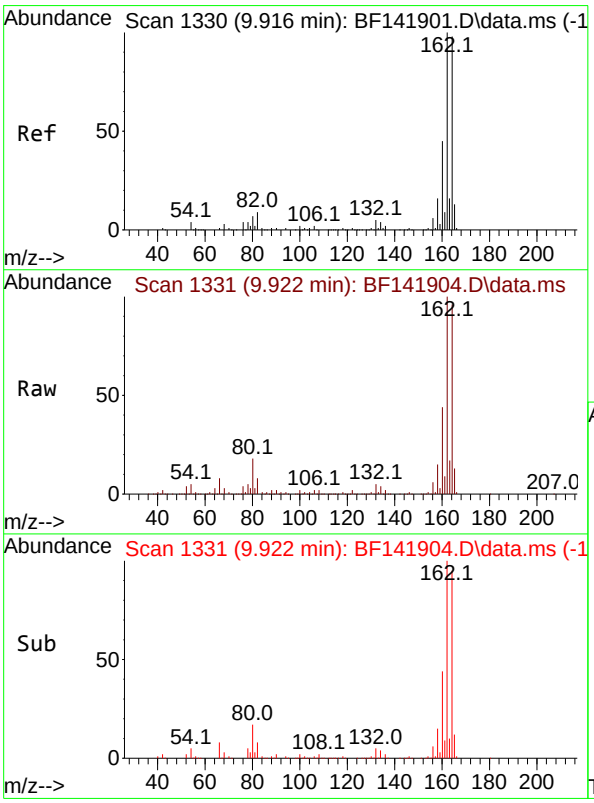
#38
1-Methylnaphthalene
Concen: 74.568 ng
RT: 8.981 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:142 Resp: 2050191

Ion	Ratio	Lower	Upper
142	100		
141	91.8	74.2	111.4

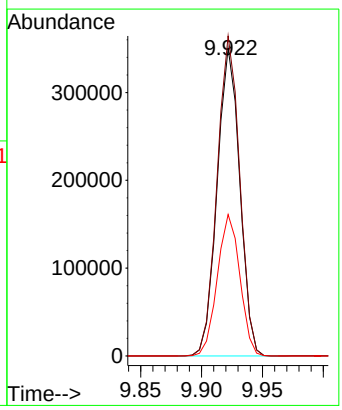


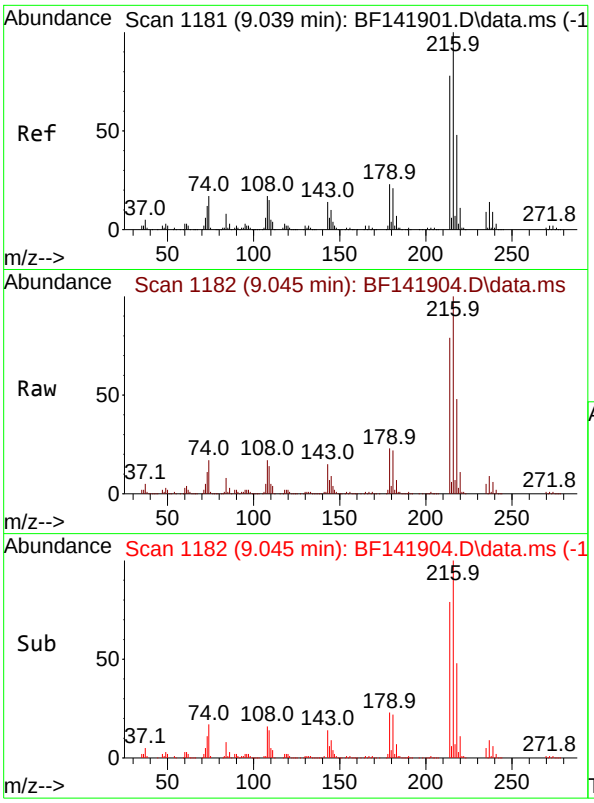


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:164 Resp: 452864

Ion	Ratio	Lower	Upper
164	100		
162	103.9	81.8	122.6
160	45.9	36.7	55.1



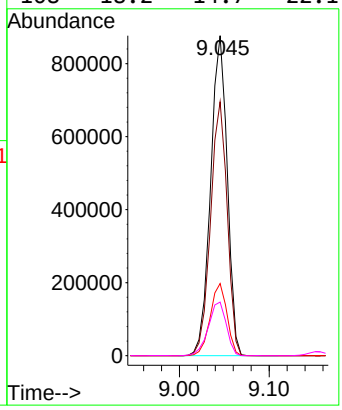


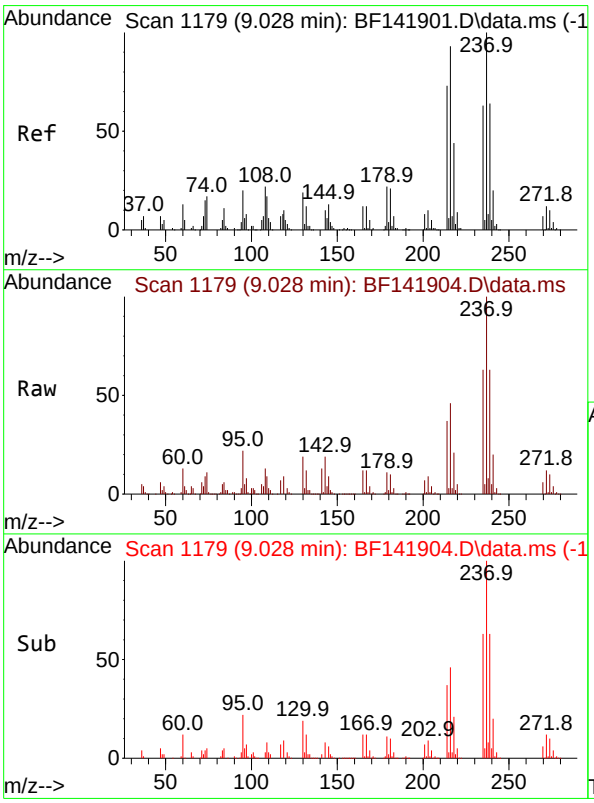
#40
1,2,4,5-Tetrachlorobenzene
Concen: 81.667 ng
RT: 9.045 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:216 Resp: 1127671

Ion	Ratio	Lower	Upper
216	100		
214	79.3	61.9	92.9
179	22.7	18.1	27.1
108	18.2	14.7	22.1

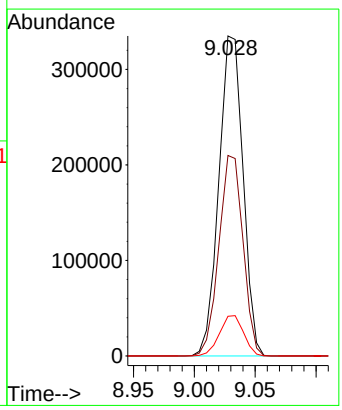


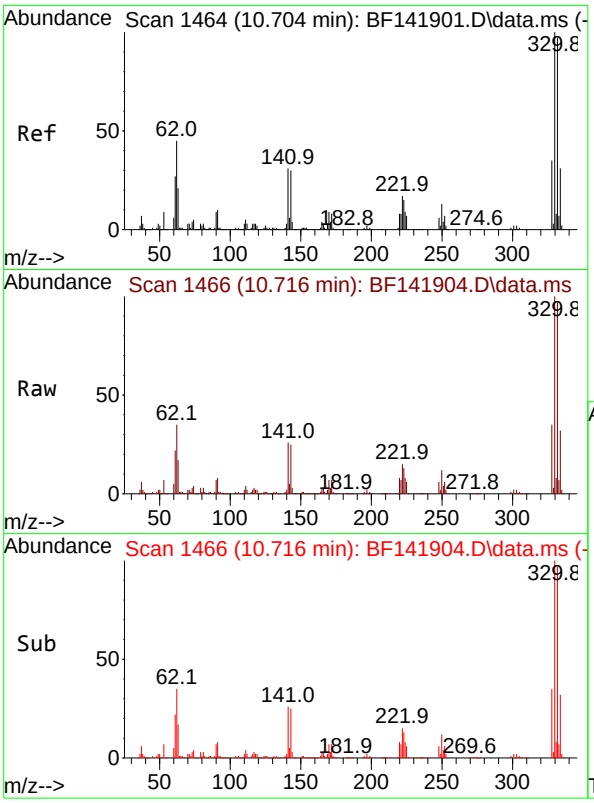


#41
Hexachlorocyclopentadiene
Concen: 85.031 ng
RT: 9.028 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:237 Resp: 463300

Ion	Ratio	Lower	Upper
237	100		
235	62.6	43.1	83.1
272	12.4	0.0	32.0



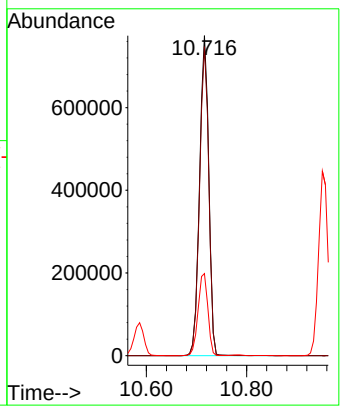


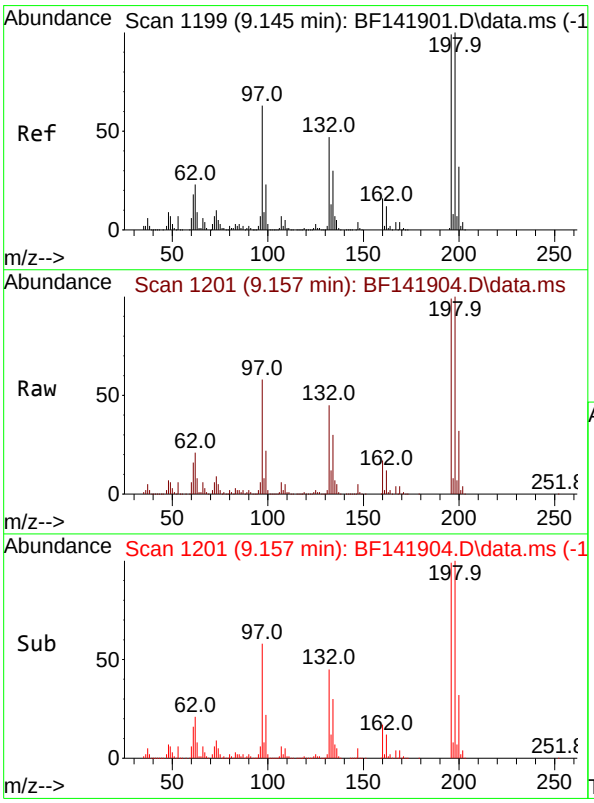
#42
2,4,6-Tribromophenol
Concen: 171.858 ng
RT: 10.716 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:330 Resp: 986206

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.6	116.4
141	27.3	24.7	37.1

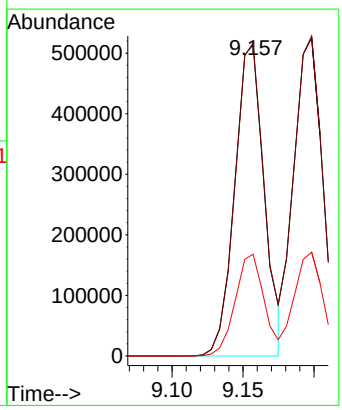


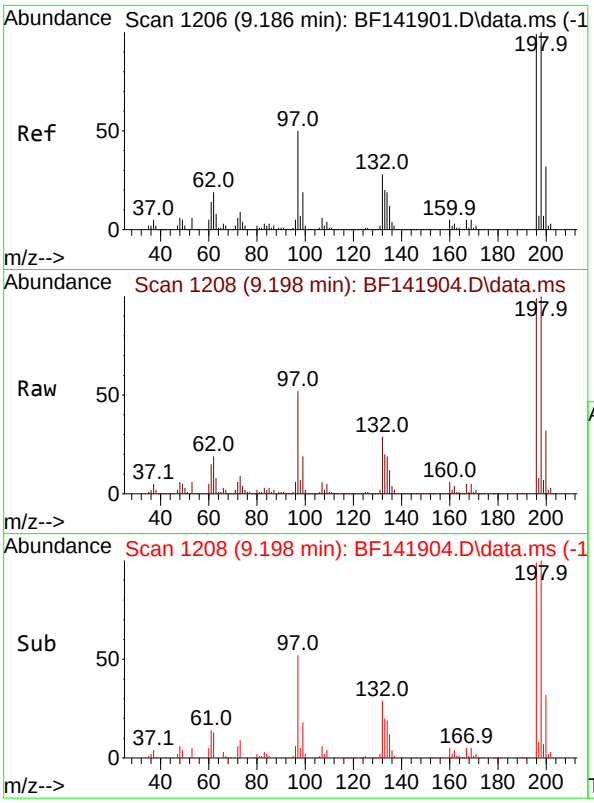


#43
2,4,6-Trichlorophenol
Concen: 82.399 ng
RT: 9.157 min Scan# 1201
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:196 Resp: 741710

Ion	Ratio	Lower	Upper
196	100		
198	100.7	80.6	121.0
200	32.7	25.8	38.6



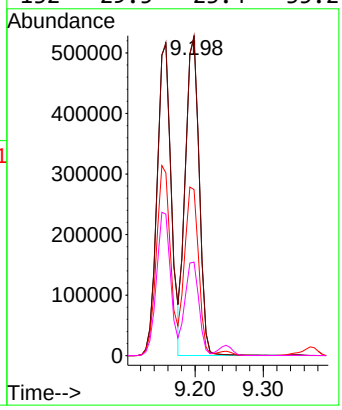


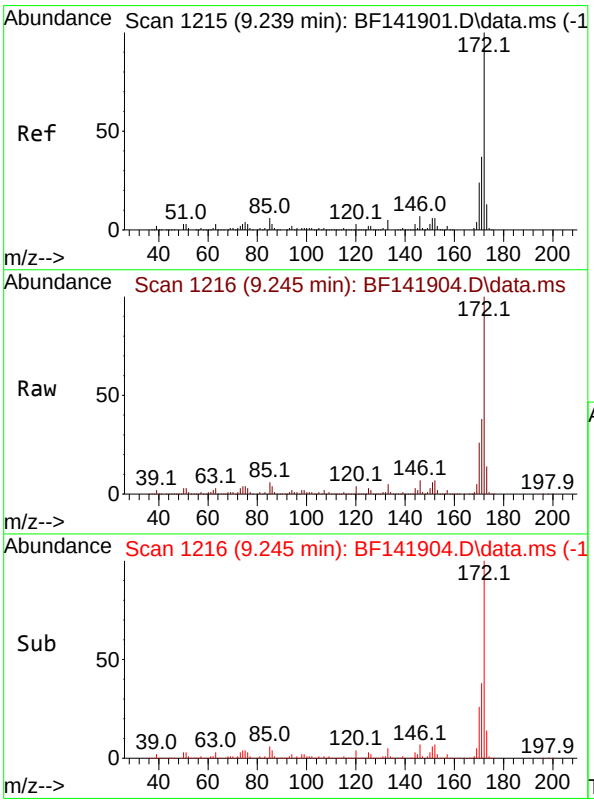
#44
2,4,5-Trichlorophenol
Concen: 80.579 ng
RT: 9.198 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:196 Resp: 736926

Ion	Ratio	Lower	Upper
196	100		
198	100.6	80.7	121.1
97	52.2	42.1	63.1
132	29.5	23.4	35.2

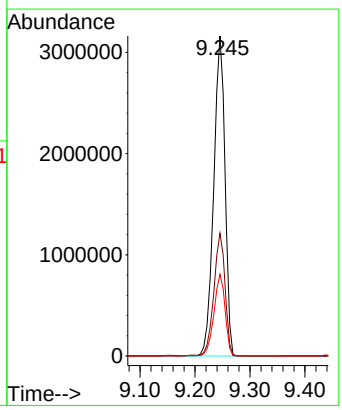


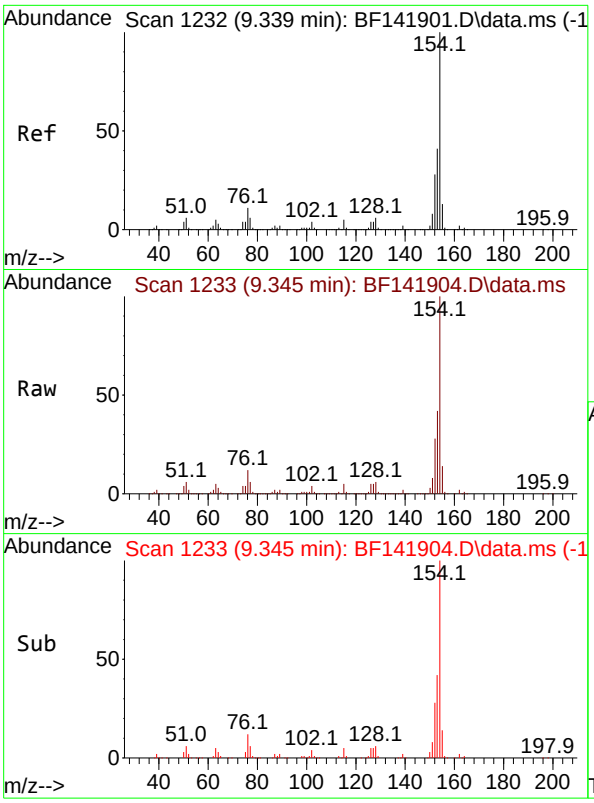


#45
2-Fluorobiphenyl
Concen: 151.763 ng
RT: 9.245 min Scan# 1216
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:172 Resp: 4513418

Ion	Ratio	Lower	Upper
172	100		
171	38.4	29.3	43.9
170	25.5	19.4	29.0



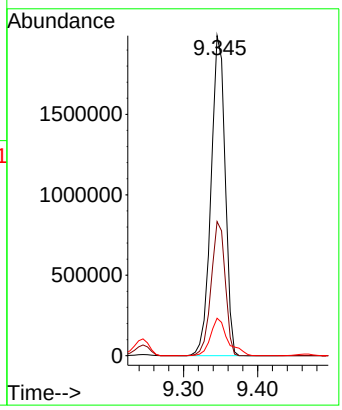


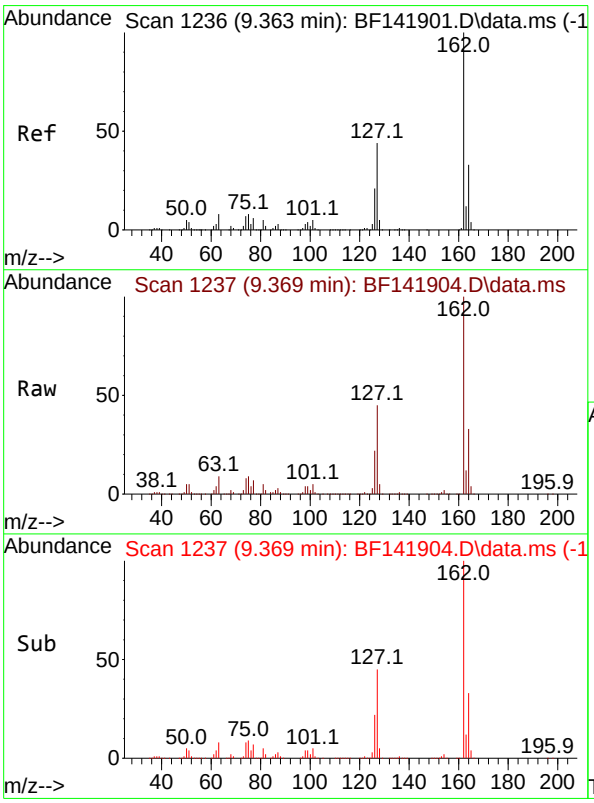
#46
1,1'-Biphenyl
Concen: 76.503 ng
RT: 9.345 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:154 Resp: 2626697

Ion	Ratio	Lower	Upper
154	100		
153	41.9	21.1	61.1
76	11.7	0.0	31.3

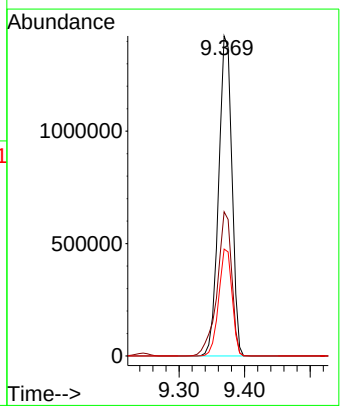


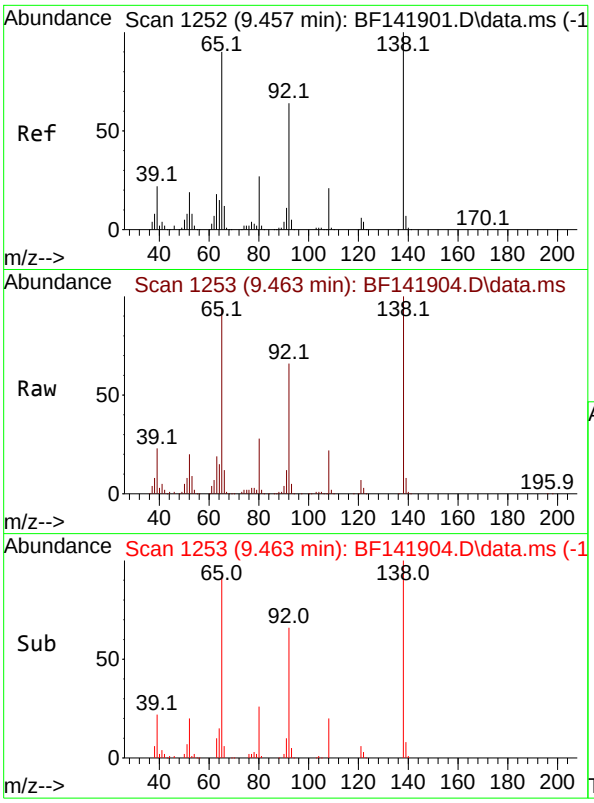


#47
2-Chloronaphthalene
Concen: 77.859 ng
RT: 9.369 min Scan# 1237
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:162 Resp: 1992242

Ion	Ratio	Lower	Upper
162	100		
127	45.0	35.5	53.3
164	33.4	26.6	40.0



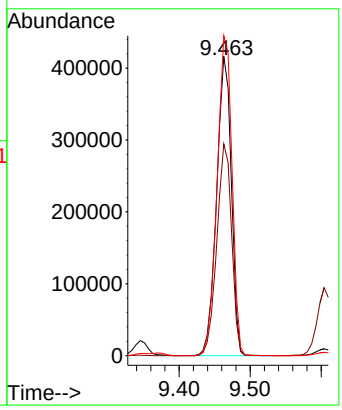


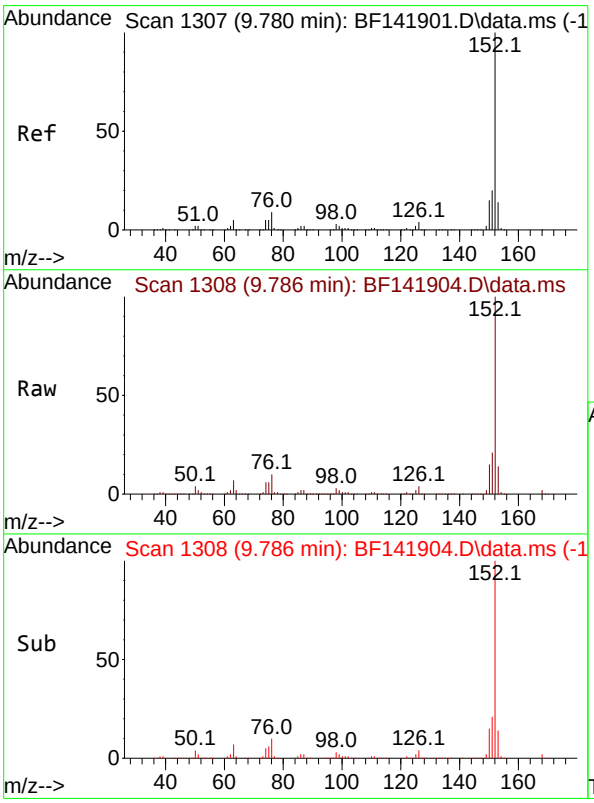
#48
2-Nitroaniline
Concen: 81.326 ng
RT: 9.463 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 65 Resp: 597778

Ion	Ratio	Lower	Upper
65	100		
92	70.8	56.6	84.8
138	106.9	88.6	133.0

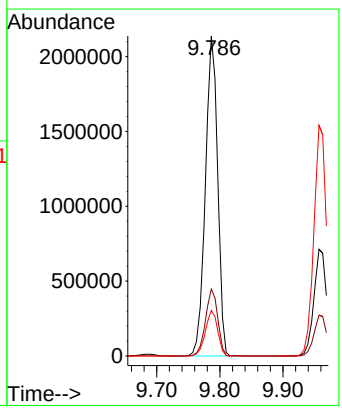


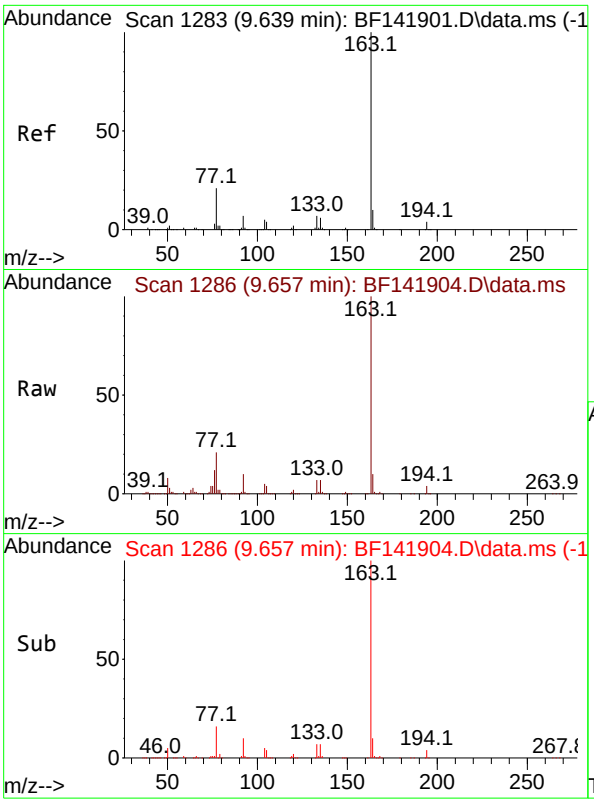


#49
Acenaphthylene
Concen: 75.877 ng
RT: 9.786 min Scan# 1308
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:152 Resp: 2878496

Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.3	24.5
153	14.2	11.1	16.7



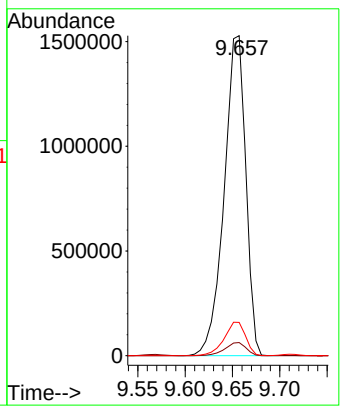


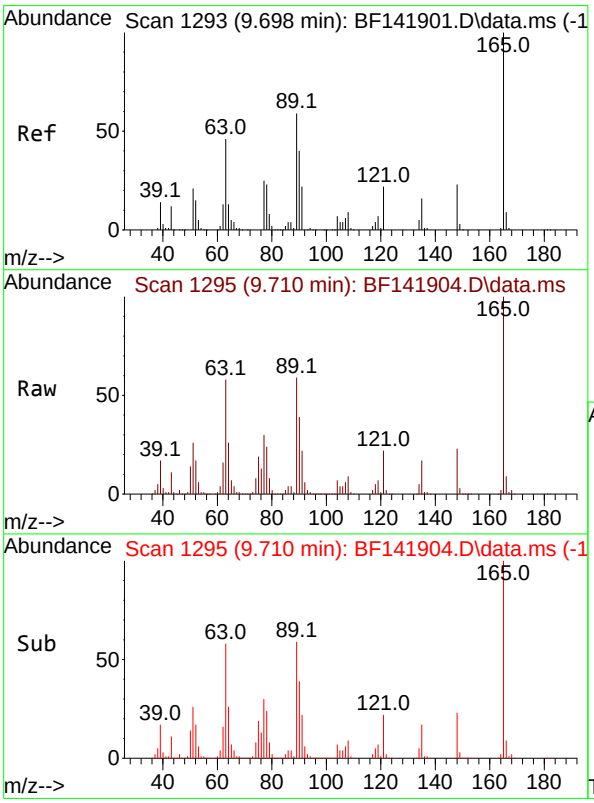
#50
Dimethylphthalate
Concen: 77.192 ng
RT: 9.657 min Scan# 1
Delta R.T. 0.018 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:163 Resp: 2428843

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.1	4.7
164	10.4	8.2	12.4

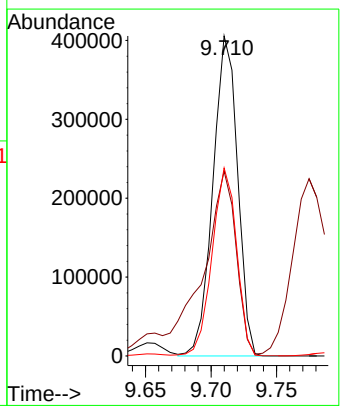


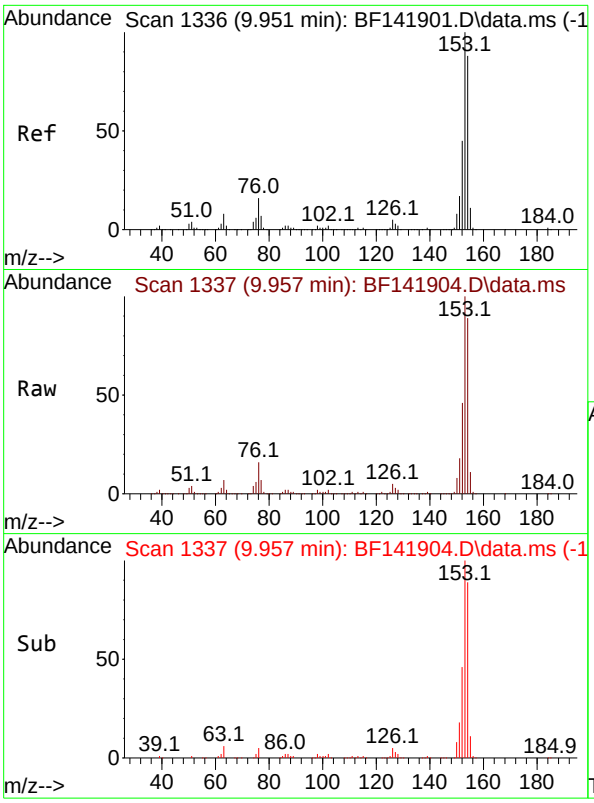


#51
2,6-Dinitrotoluene
Concen: 80.867 ng
RT: 9.710 min Scan# 1295
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:165 Resp: 529139

Ion	Ratio	Lower	Upper
165	100		
63	57.7	47.0	70.4
89	58.8	47.4	71.2



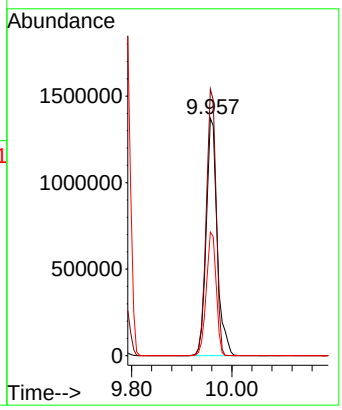


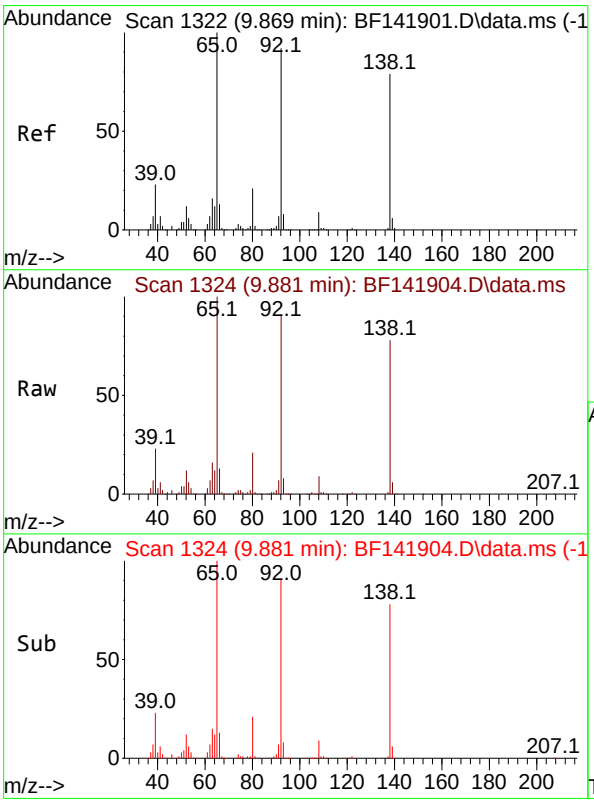
#52
Acenaphthene
Concen: 77.872 ng
RT: 9.957 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:154 Resp: 2085941

Ion	Ratio	Lower	Upper
154	100		
153	112.4	90.7	136.1
152	52.0	41.1	61.7

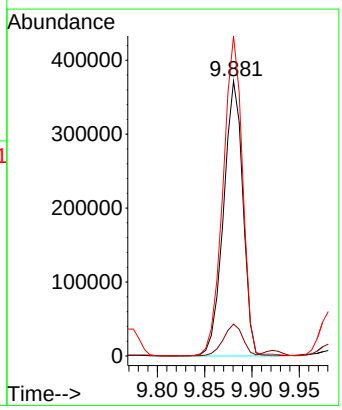


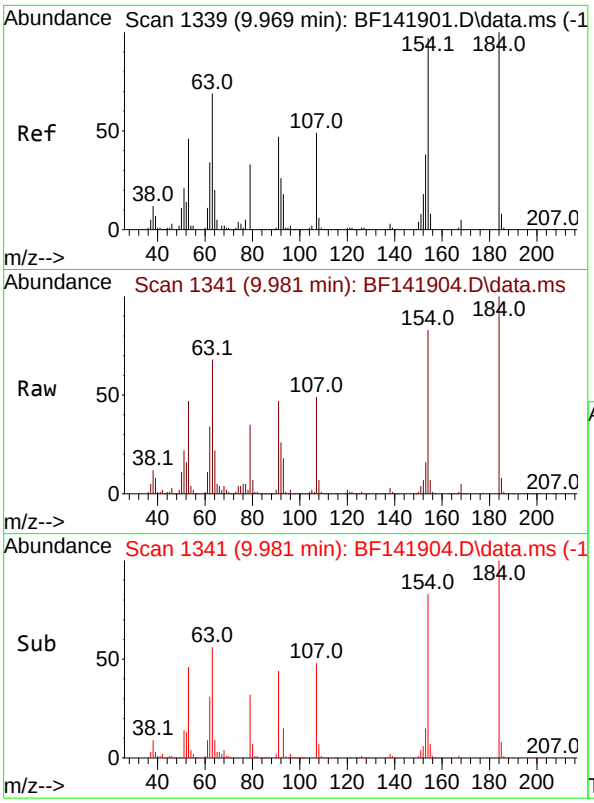


#53
3-Nitroaniline
Concen: 78.435 ng
RT: 9.881 min Scan# 1324
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:138 Resp: 526980

Ion	Ratio	Lower	Upper
138	100		
108	11.6	9.3	13.9
92	116.4	93.5	140.3



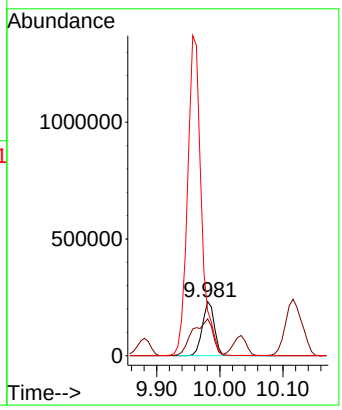


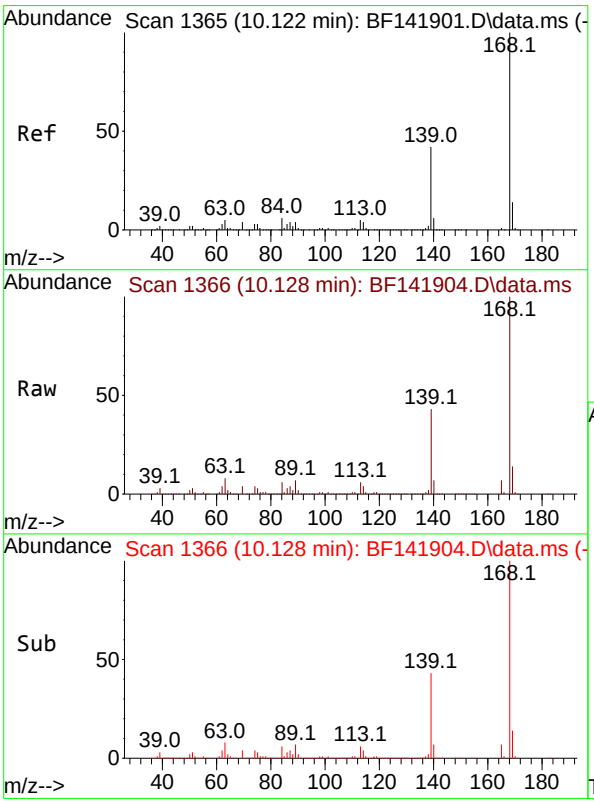
#54
2,4-Dinitrophenol
Concen: 81.479 ng
RT: 9.981 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:184 Resp: 305399

Ion	Ratio	Lower	Upper
184	100		
63	68.1	60.2	90.4
154	82.9	132.9	199.3#

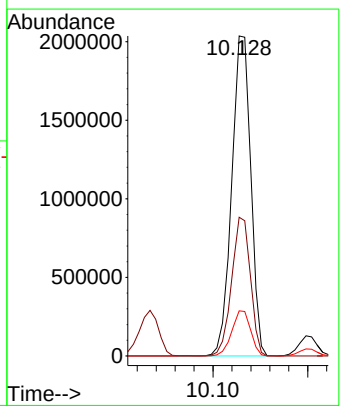


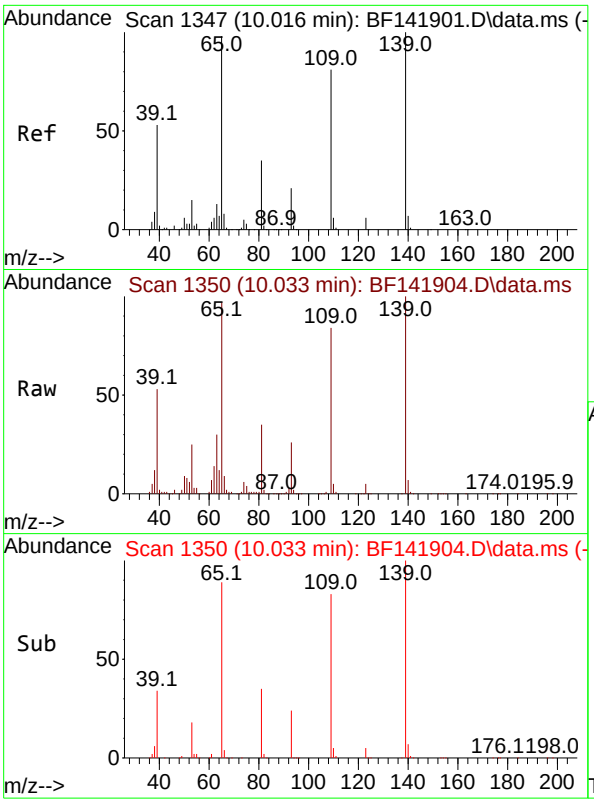


#55
Dibenzofuran
Concen: 74.474 ng
RT: 10.128 min Scan# 1366
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:168 Resp: 2844432

Ion	Ratio	Lower	Upper
168	100		
139	43.4	33.9	50.9
169	14.1	11.0	16.4



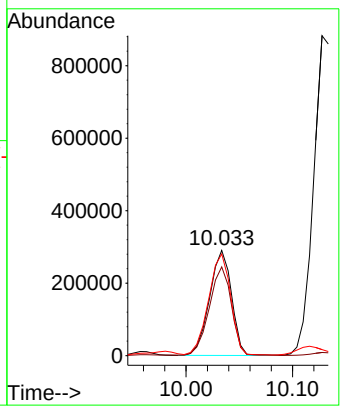


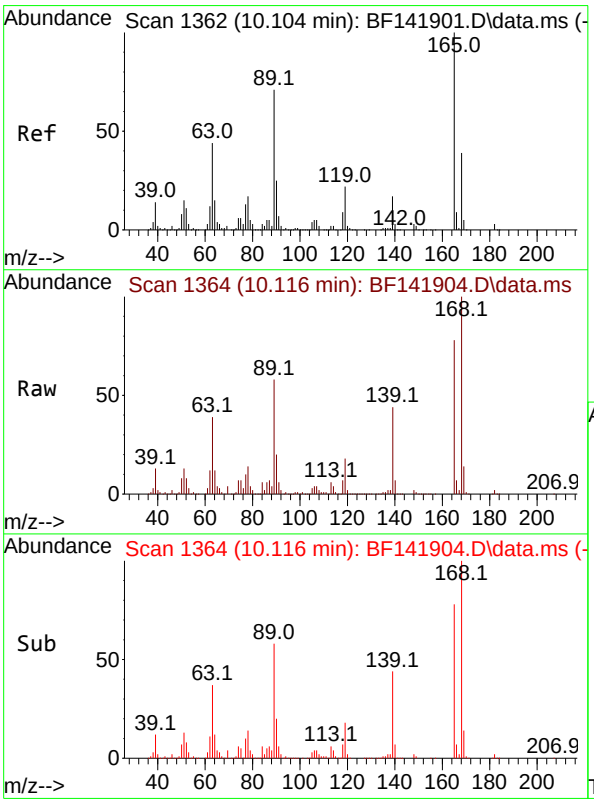
#56
4-Nitrophenol
Concen: 82.456 ng
RT: 10.033 min Scan# 1
Delta R.T. 0.018 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:139 Resp: 416153

Ion	Ratio	Lower	Upper
139	100		
109	84.3	61.6	101.6
65	96.7	79.4	119.4

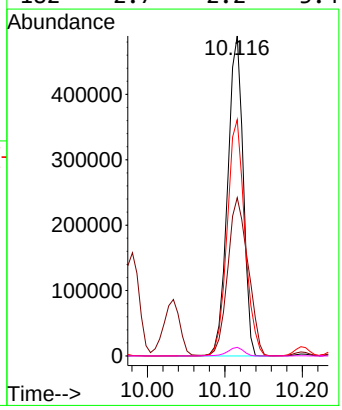


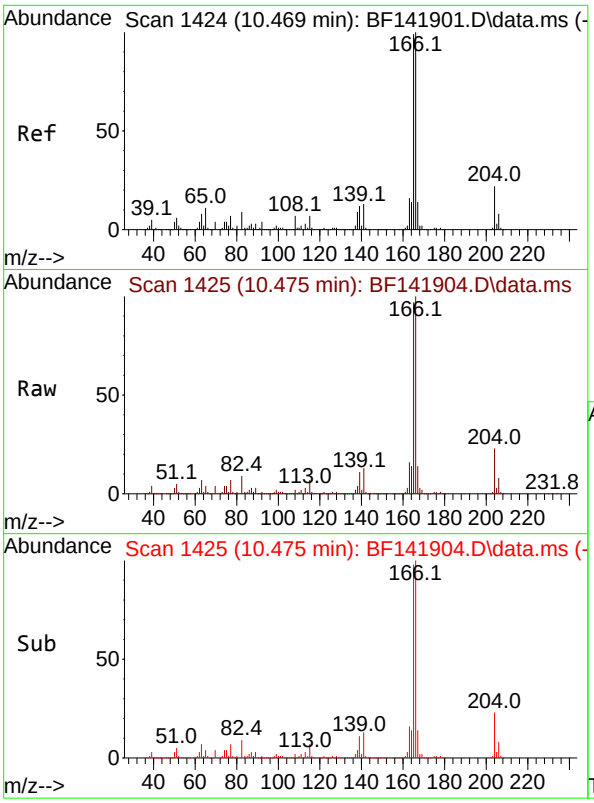


#57
2,4-Dinitrotoluene
Concen: 79.099 ng
RT: 10.116 min Scan# 1364
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:165 Resp: 681278

Ion	Ratio	Lower	Upper
165	100		
63	49.4	35.4	53.2
89	73.9	56.6	84.8
182	2.7	2.2	3.4



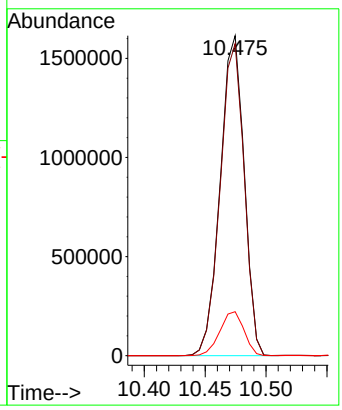


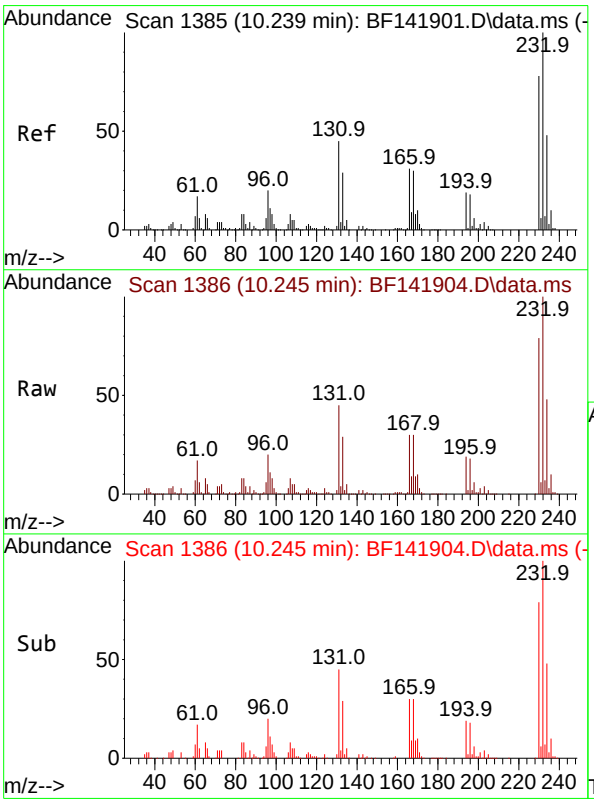
#58
Fluorene
Concen: 74.974 ng
RT: 10.475 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:166 Resp: 2210653

Ion	Ratio	Lower	Upper
166	100		
165	97.5	79.0	118.4
167	13.8	11.0	16.4

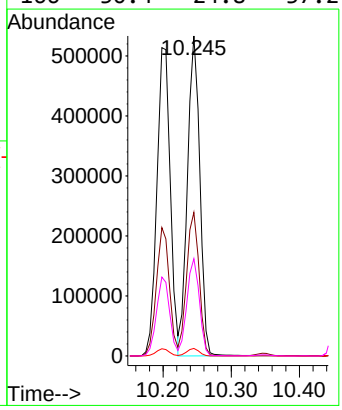


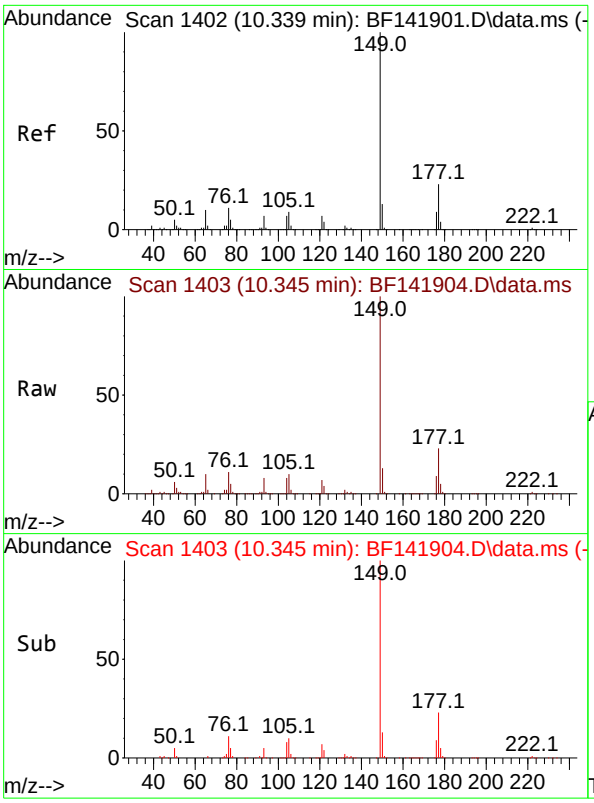


#59
2,3,4,6-Tetrachlorophenol
Concen: 80.507 ng
RT: 10.245 min Scan# 1386
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:232 Resp: 668027

Ion	Ratio	Lower	Upper
232	100		
131	45.4	37.3	55.9
130	2.3	1.9	2.9
166	30.4	24.8	37.2



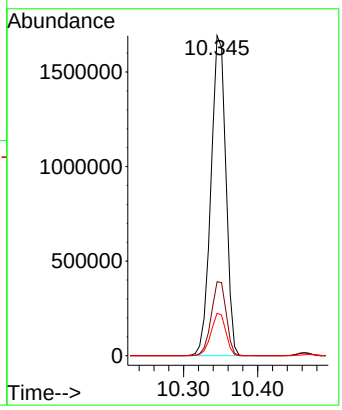


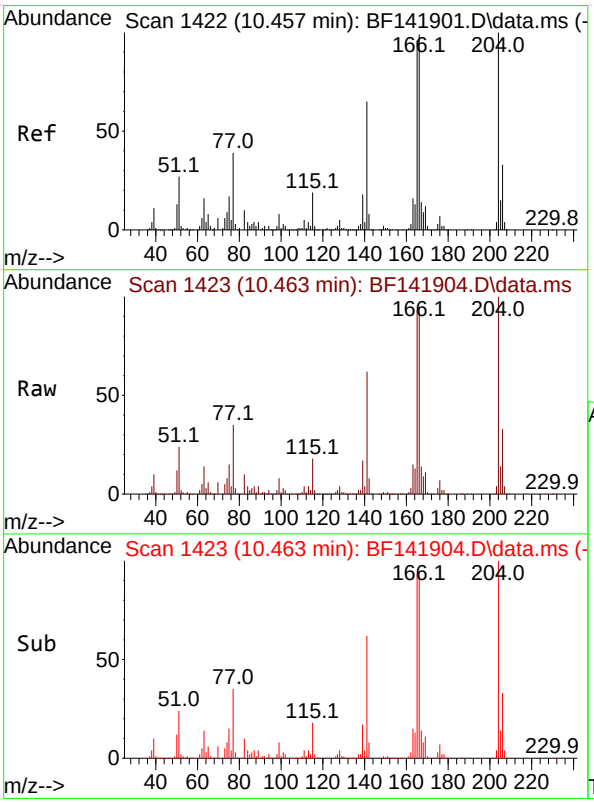
#60
Diethylphthalate
Concen: 74.681 ng
RT: 10.345 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 2358921

Ion	Ratio	Lower	Upper
149	100		
177	23.1	18.0	27.0
150	13.3	10.2	15.4

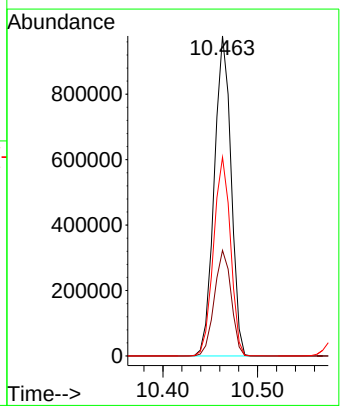


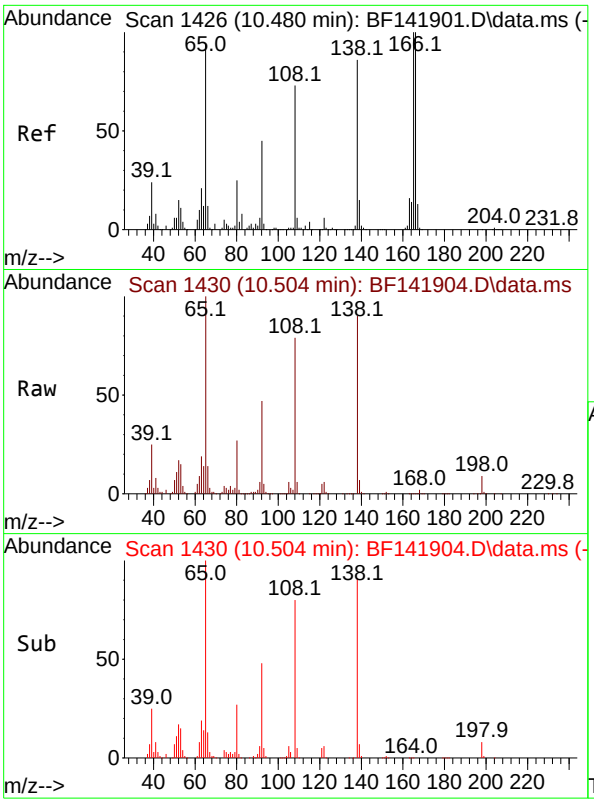


#61
4-Chlorophenyl-phenylether
Concen: 78.724 ng
RT: 10.463 min Scan# 1423
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:204 Resp: 1209021

Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.8	40.2
141	62.1	52.4	78.6



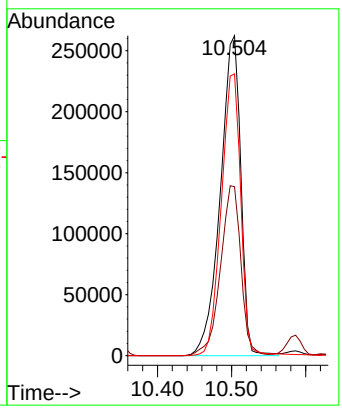


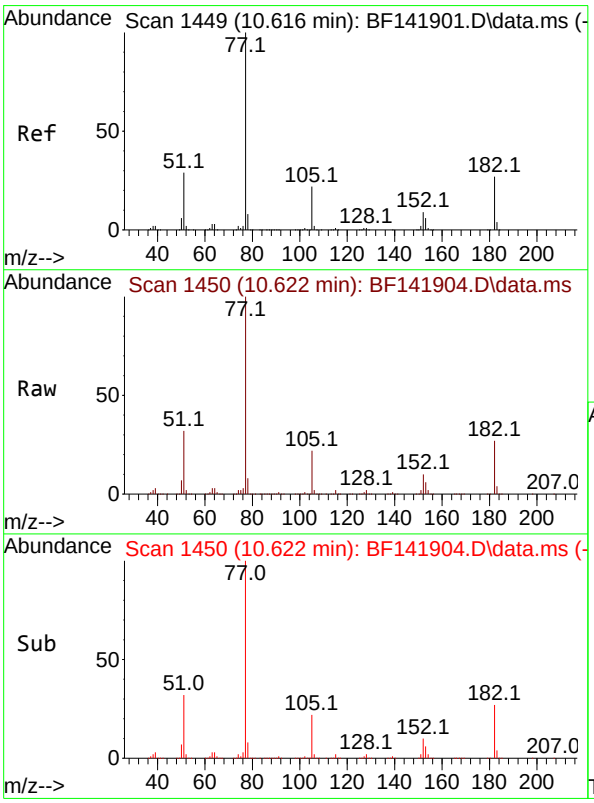
#62
4-Nitroaniline
Concen: 77.243 ng
RT: 10.504 min Scan# 14
Delta R.T. 0.024 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:138 Resp: 502894

Ion	Ratio	Lower	Upper
138	100		
92	52.8	32.6	72.6
108	88.1	65.0	105.0

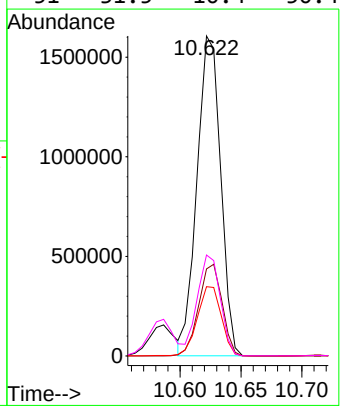


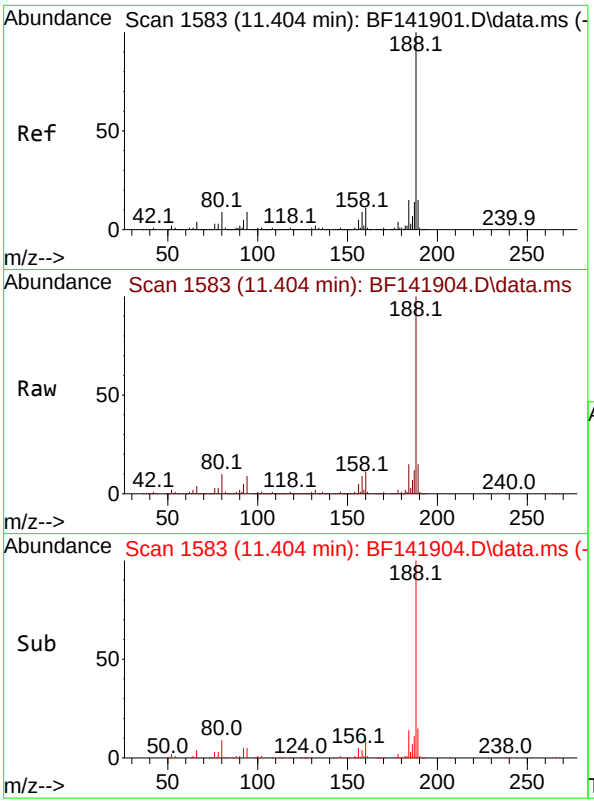


#63
Azobenzene
Concen: 73.911 ng
RT: 10.622 min Scan# 1450
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion: 77 Resp: 2168742

Ion	Ratio	Lower	Upper
77	100		
182	27.2	6.6	46.6
105	21.7	1.3	41.3
51	31.5	10.4	50.4



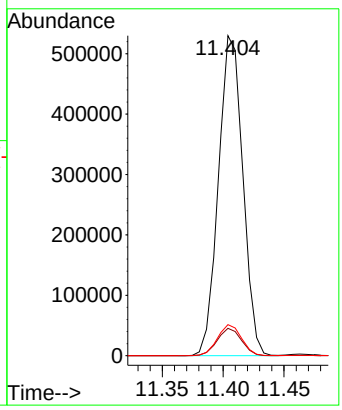


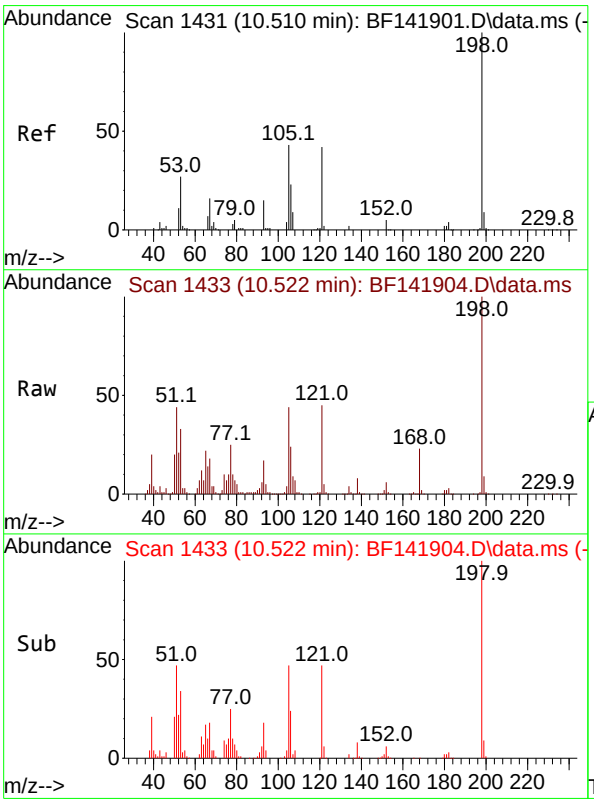
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:188 Resp: 738472

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.8	10.2
80	9.7	7.6	11.4

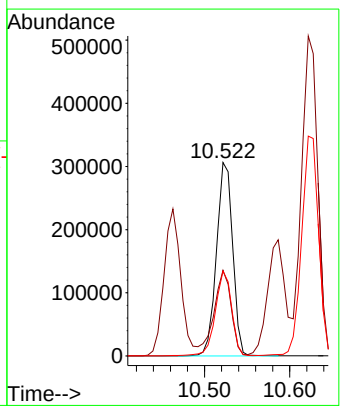


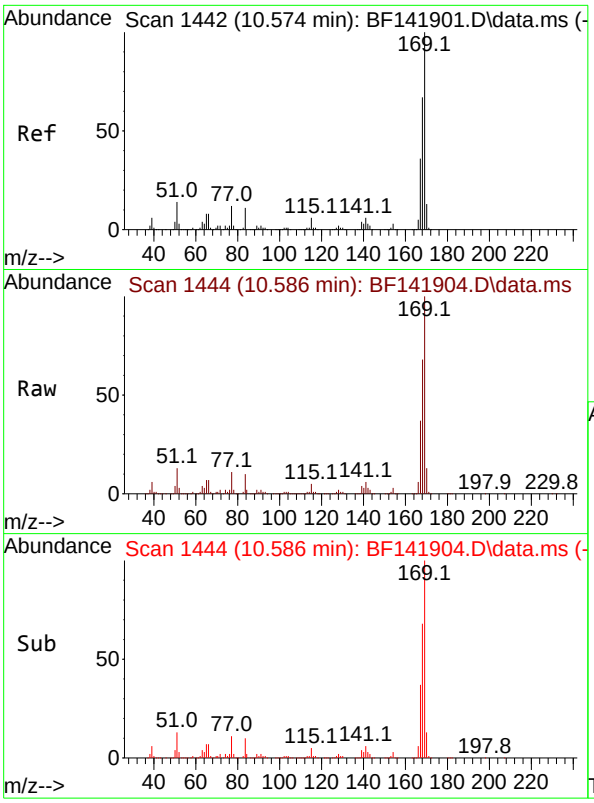


#65
4,6-Dinitro-2-methylphenol
Concen: 92.396 ng
RT: 10.522 min Scan# 1433
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:198 Resp: 404505

Ion	Ratio	Lower	Upper
198	100		
51	44.2	22.3	62.3
105	43.9	23.0	63.0



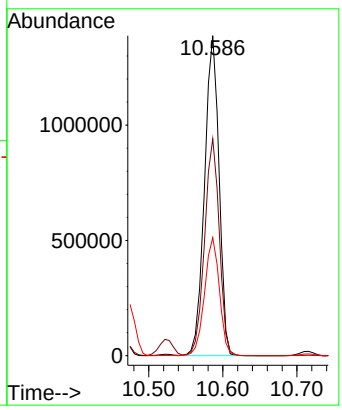


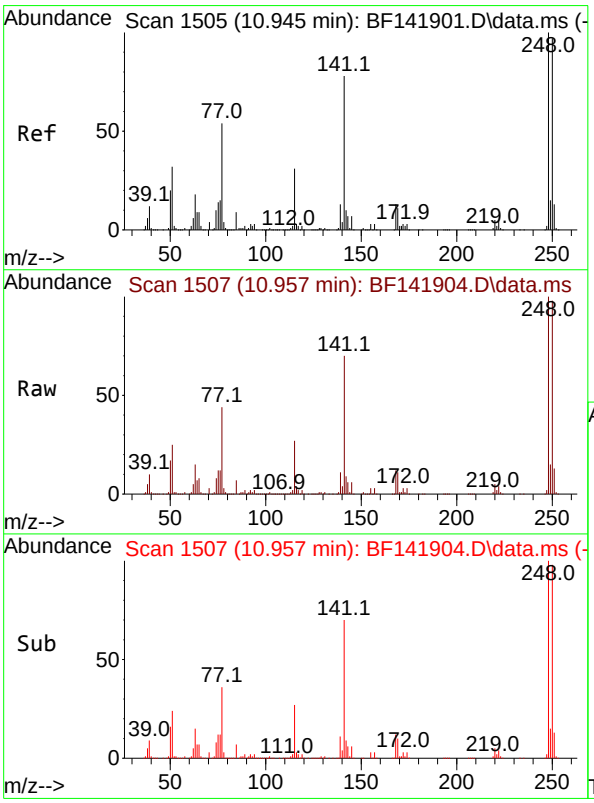
#66
n-Nitrosodiphenylamine
Concen: 78.895 ng
RT: 10.586 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:169 Resp: 1882098

Ion	Ratio	Lower	Upper
169	100		
168	67.8	53.7	80.5
167	36.9	29.2	43.8

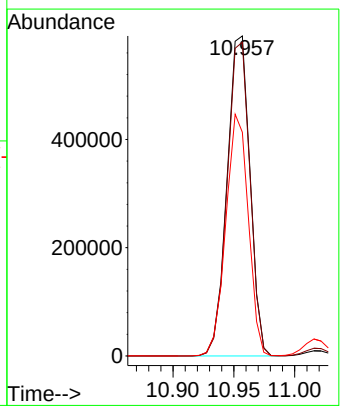


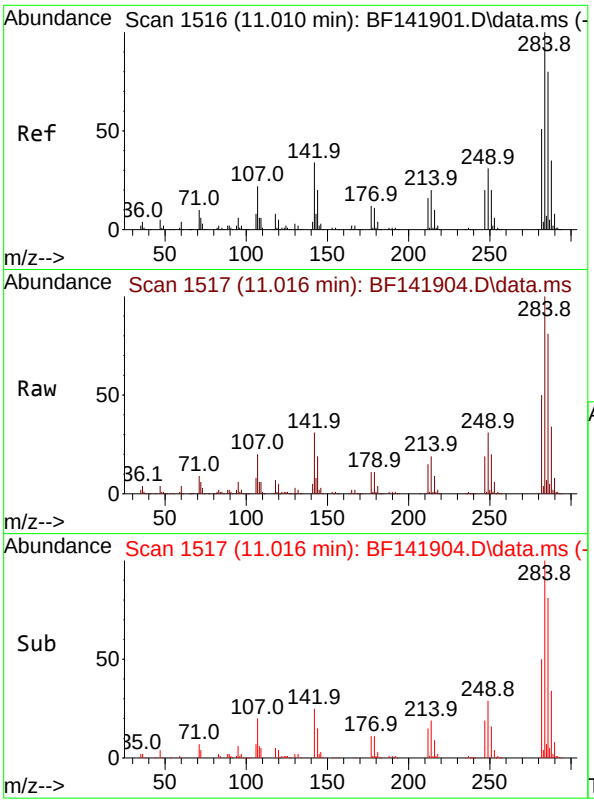


#67
4-Bromophenyl-phenylether
Concen: 84.232 ng
RT: 10.957 min Scan# 1507
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:248 Resp: 774645

Ion	Ratio	Lower	Upper
248	100		
250	98.1	77.8	116.8
141	69.9	62.6	93.8



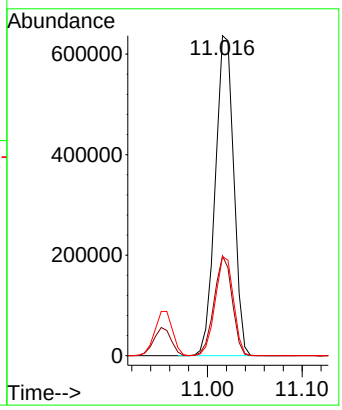


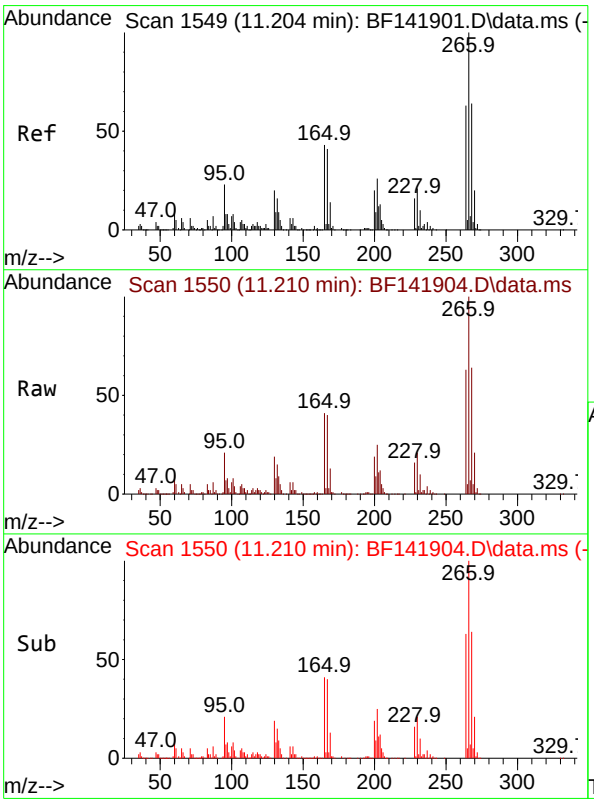
#68
Hexachlorobenzene
Concen: 84.832 ng
RT: 11.016 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:284 Resp: 862357

Ion	Ratio	Lower	Upper
284	100		
142	31.2	27.0	40.6
249	31.0	25.2	37.8

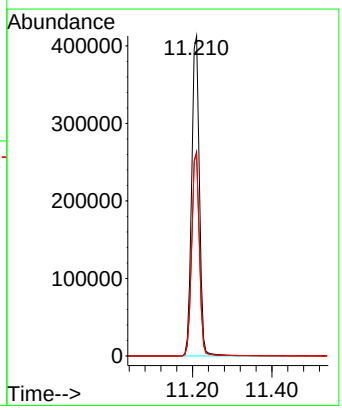


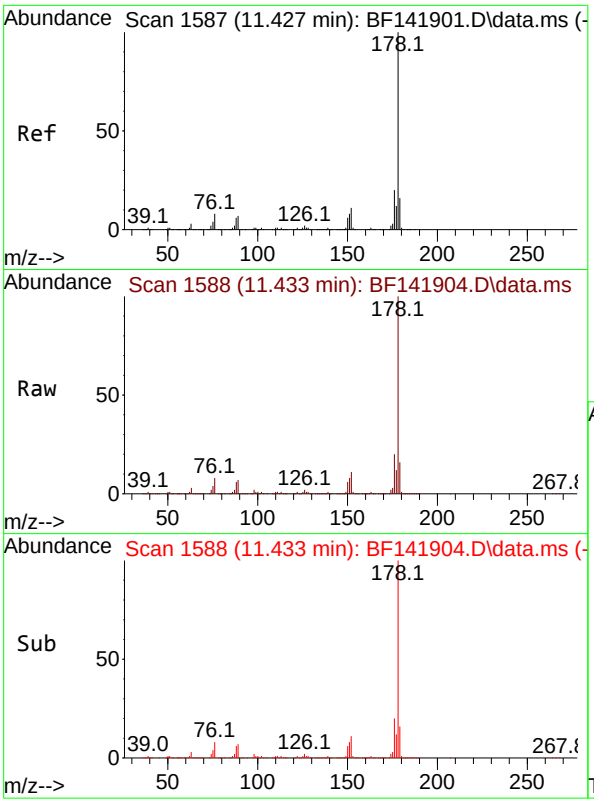


#70
Pentachlorophenol
Concen: 89.813 ng
RT: 11.210 min Scan# 1550
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:266 Resp: 563030

Ion	Ratio	Lower	Upper
266	100		
268	63.9	51.0	76.6
264	62.9	50.2	75.2



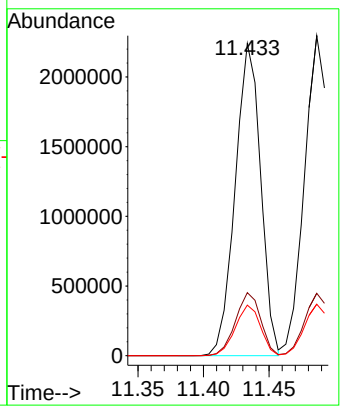


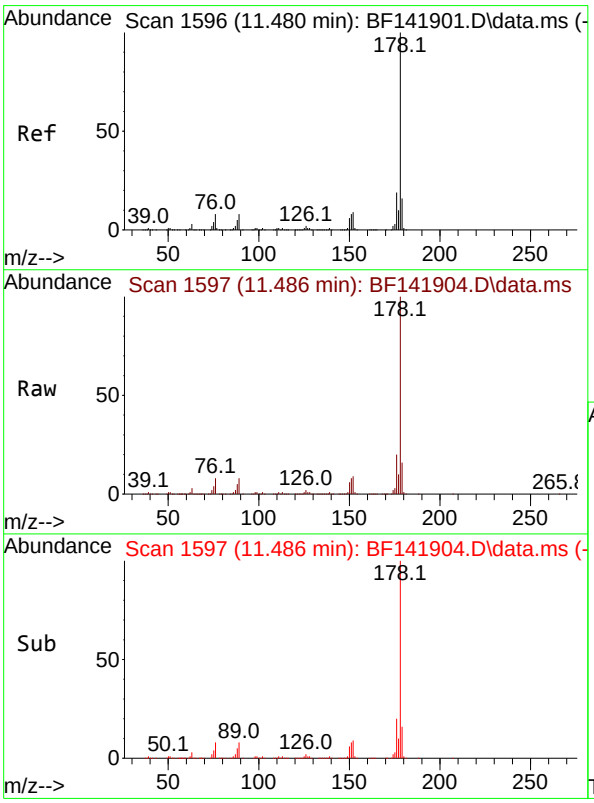
#71
Phenanthrene
Concen: 75.649 ng
RT: 11.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:178 Resp: 3020950

Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.8	23.8
179	16.2	12.6	19.0

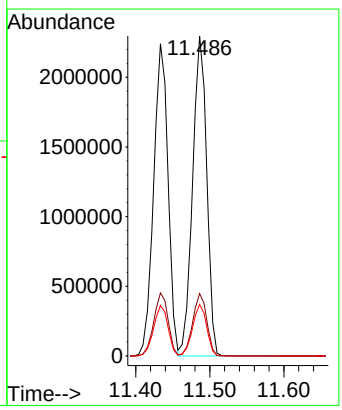


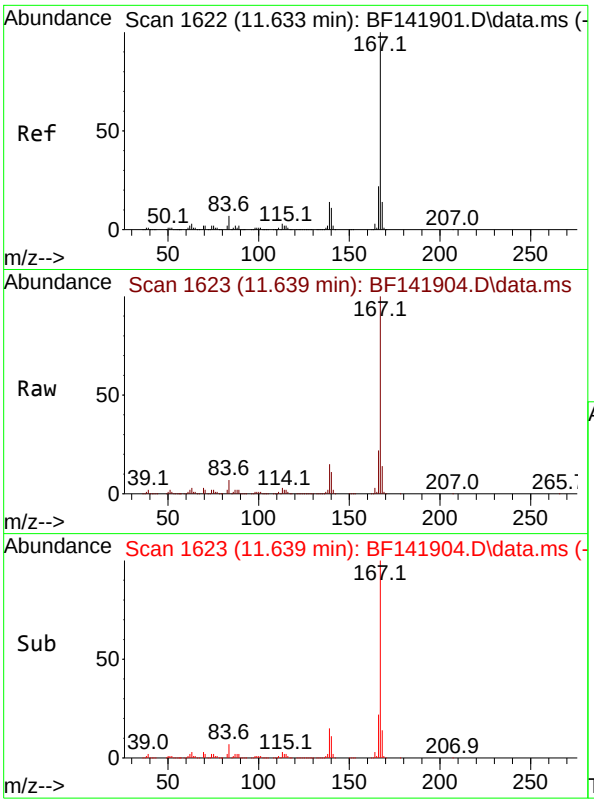


#72
Anthracene
Concen: 75.653 ng
RT: 11.486 min Scan# 1597
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:178 Resp: 3031014

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.1	22.7
179	16.1	12.6	19.0



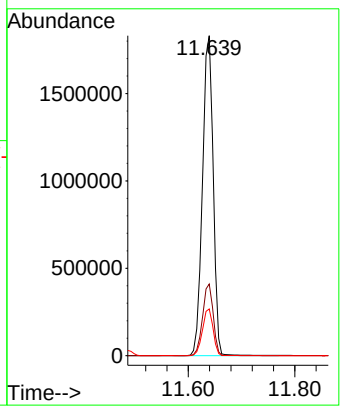


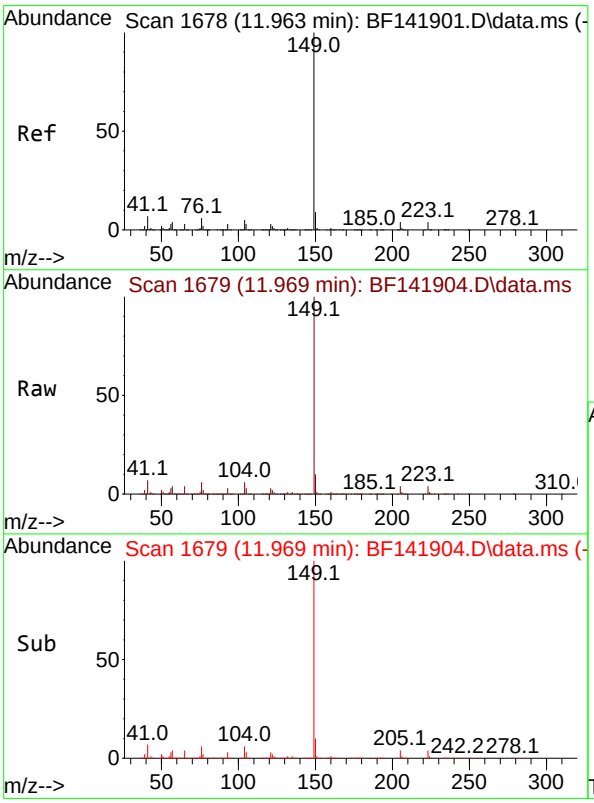
#73
Carbazole
Concen: 74.002 ng
RT: 11.639 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:167 Resp: 2552563

Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.4	26.2
139	14.6	11.0	16.6

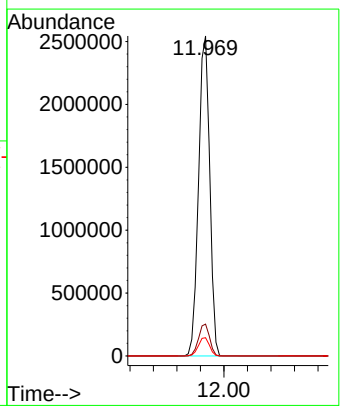


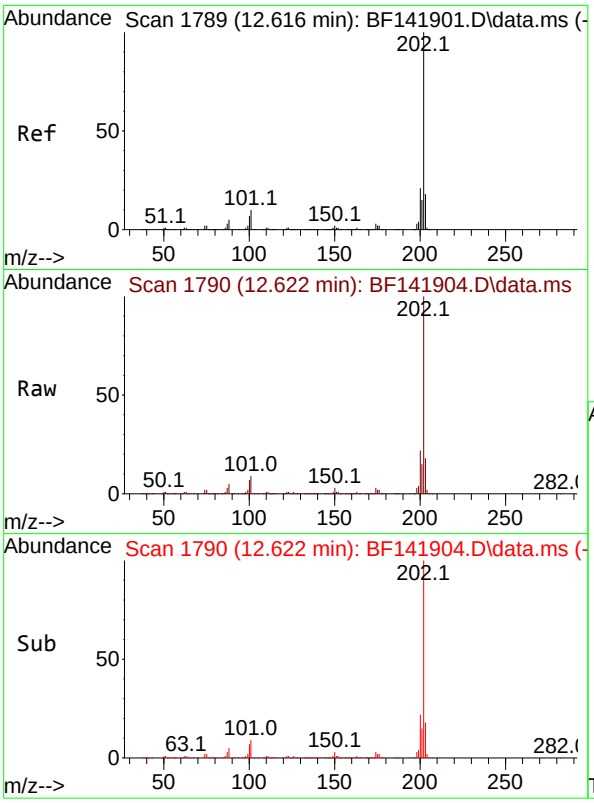


#74
Di-n-butylphthalate
Concen: 73.399 ng
RT: 11.969 min Scan# 1679
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:149 Resp: 3342776

Ion	Ratio	Lower	Upper
149	100		
150	10.0	7.6	11.4
104	5.7	4.4	6.6



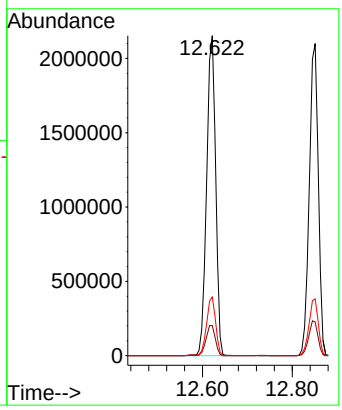


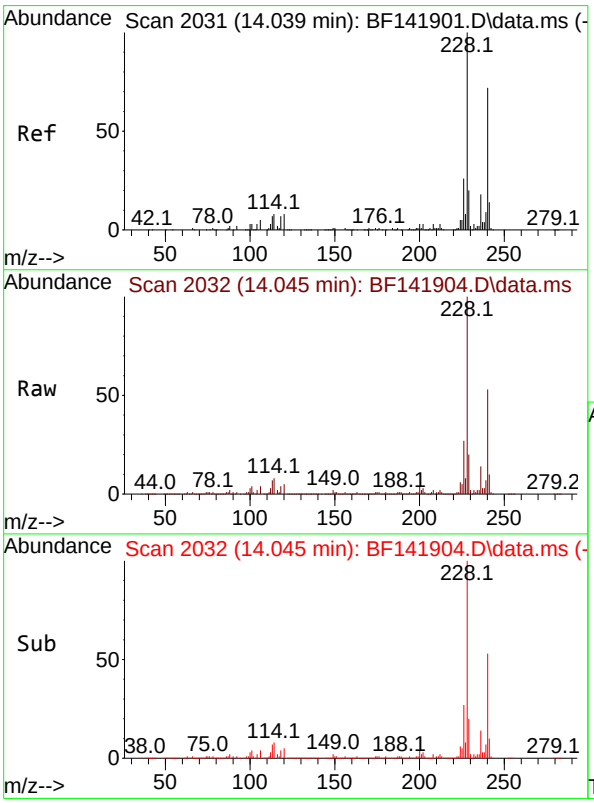
#75
Fluoranthene
Concen: 71.694 ng
RT: 12.622 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:202 Resp: 3005566

Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	29.7
203	18.4	0.0	37.8

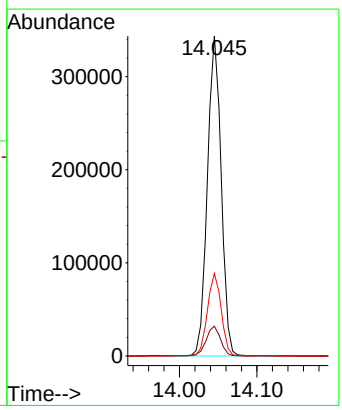


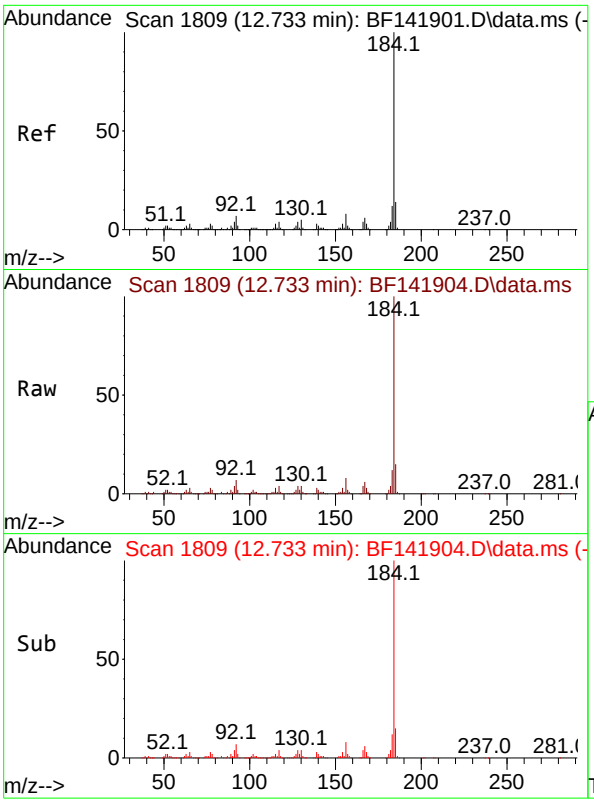


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:240 Resp: 424370

Ion	Ratio	Lower	Upper
240	100		
120	9.3	8.4	12.6
236	25.8	20.5	30.7



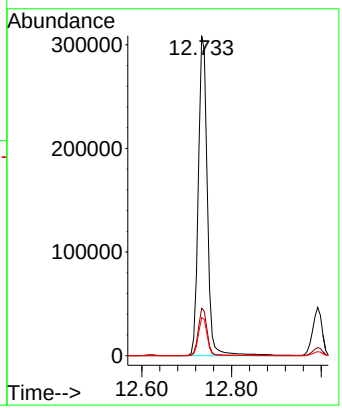


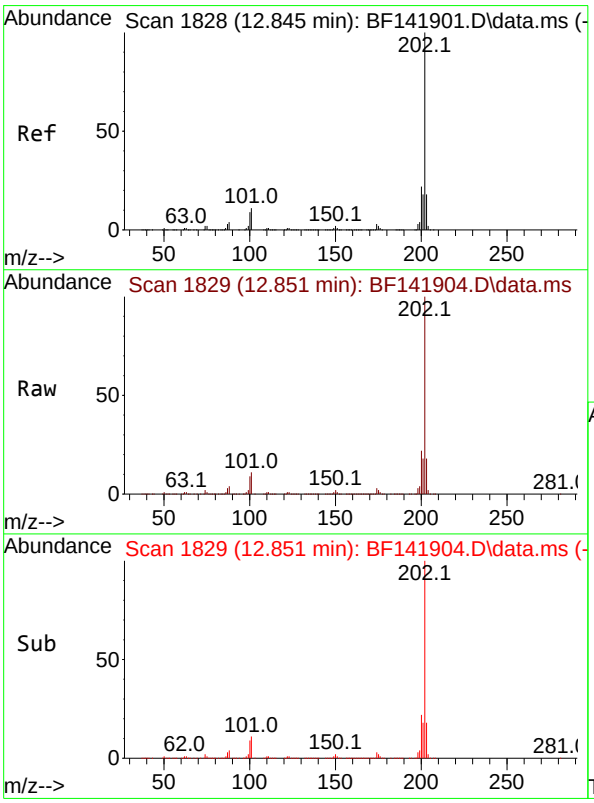
#77
Benzidine
Concen: 71.330 ng
RT: 12.733 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:184 Resp: 427770

Ion	Ratio	Lower	Upper
184	100		
185	14.8	11.5	17.3
183	11.9	9.7	14.5

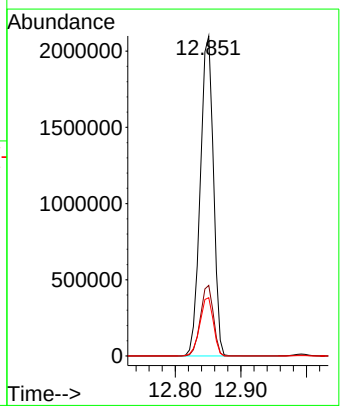


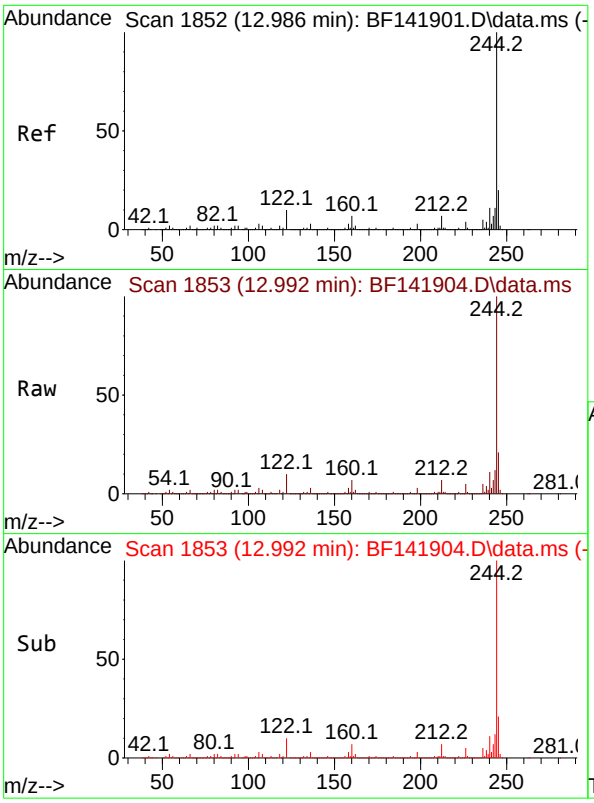


#78
Pyrene
Concen: 80.513 ng
RT: 12.851 min Scan# 1829
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:202 Resp: 2930115

Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.3	25.9
203	18.2	14.4	21.6



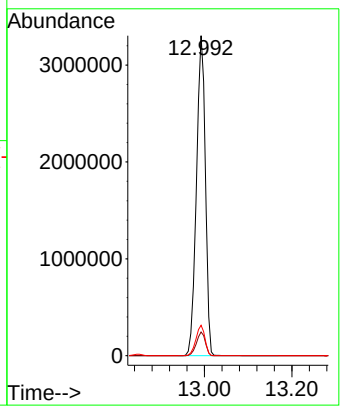


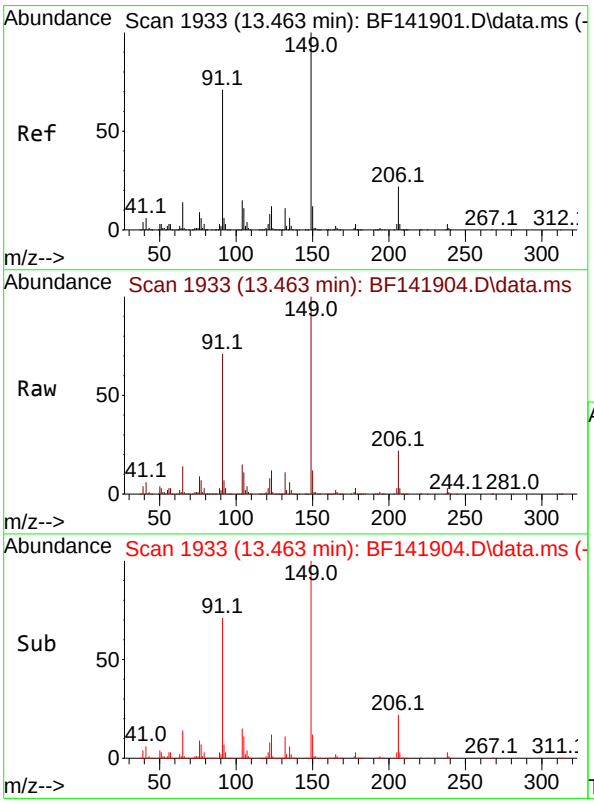
#79
Terphenyl-d14
Concen: 163.713 ng
RT: 12.992 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:244 Resp: 4700026

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	9.5	7.7	11.5

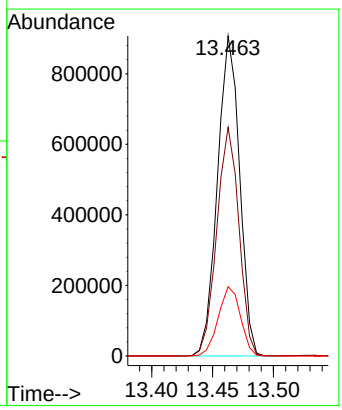


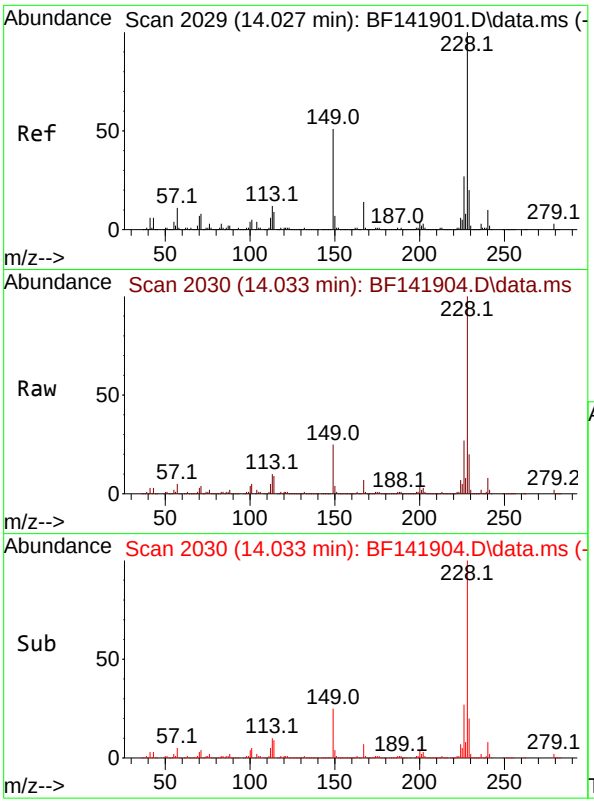


#80
Butylbenzylphthalate
Concen: 80.189 ng
RT: 13.463 min Scan# 1933
Delta R.T. 0.000 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:149 Resp: 1149989

Ion	Ratio	Lower	Upper
149	100		
91	71.4	56.5	84.7
206	21.7	17.3	25.9



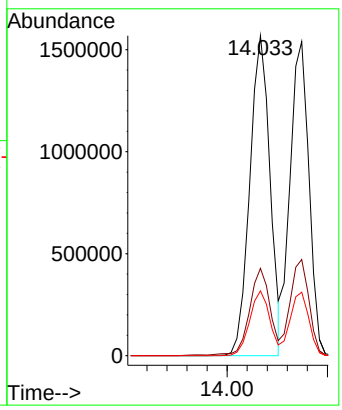


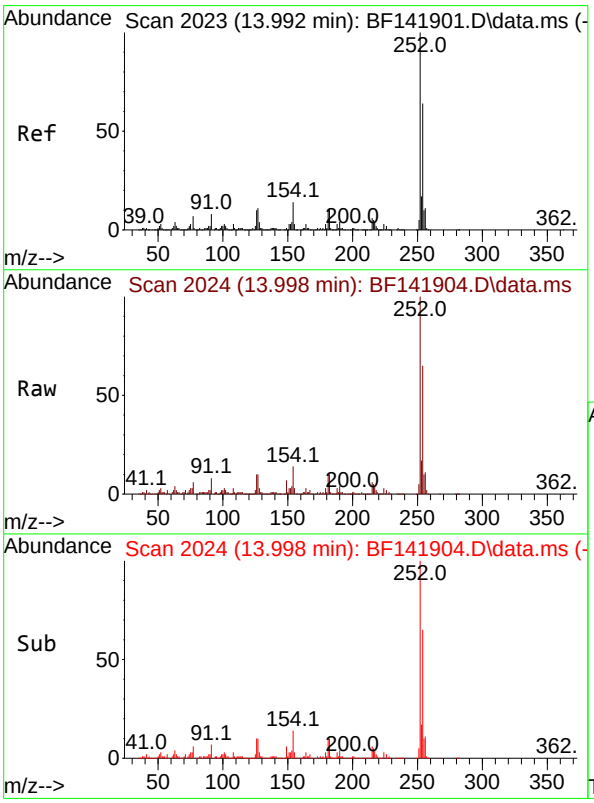
#81
Benzo(a)anthracene
Concen: 78.692 ng
RT: 14.033 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:228 Resp: 2196935

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	20.3	16.0	24.0

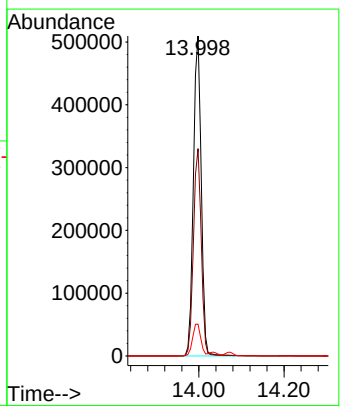


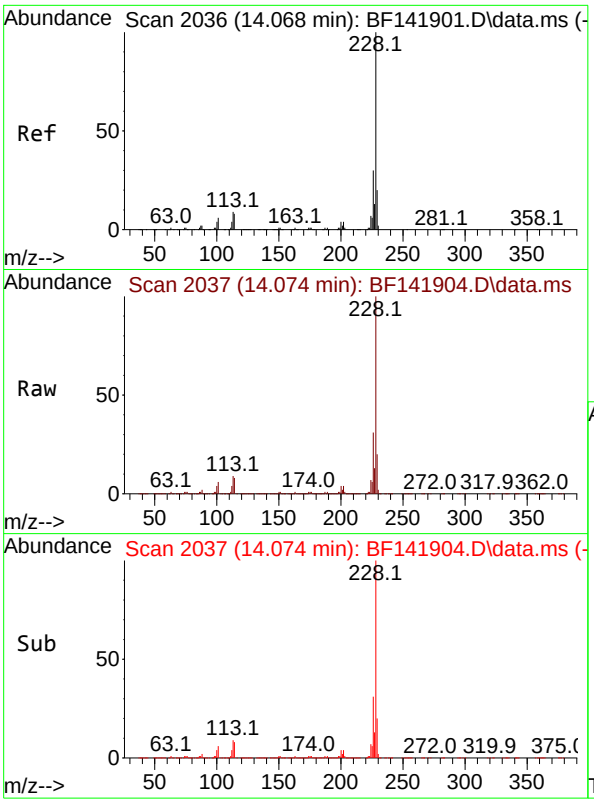


#82
3,3'-Dichlorobenzidine
Concen: 80.884 ng
RT: 13.998 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:252 Resp: 652678

Ion	Ratio	Lower	Upper
252	100		
254	64.8	51.0	76.6
126	9.9	8.4	12.6



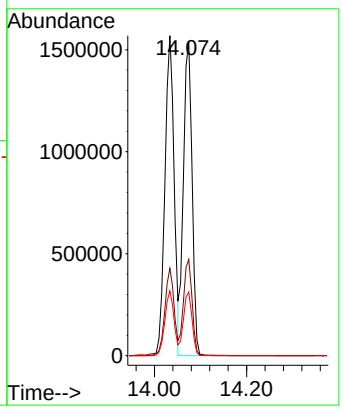


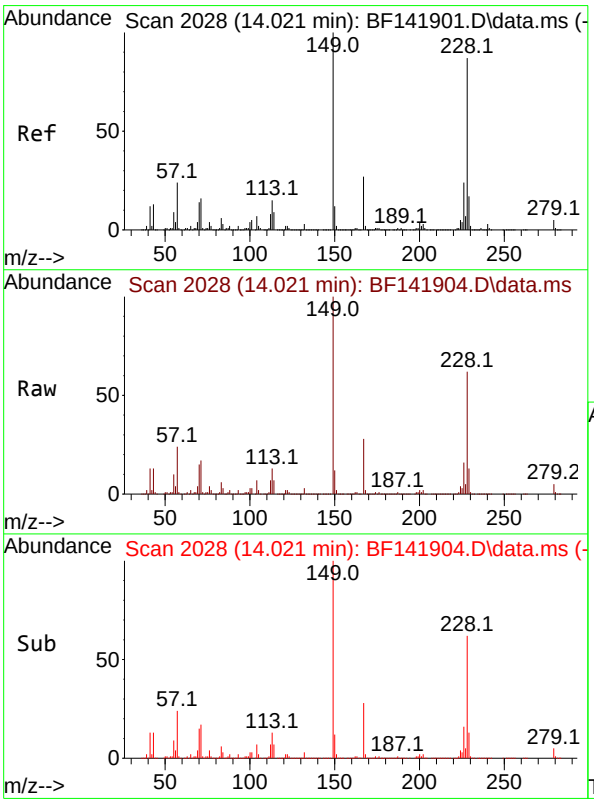
#83
Chrysene
Concen: 80.498 ng
RT: 14.074 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:228 Resp: 2018832

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.1	36.1
229	20.2	15.7	23.5

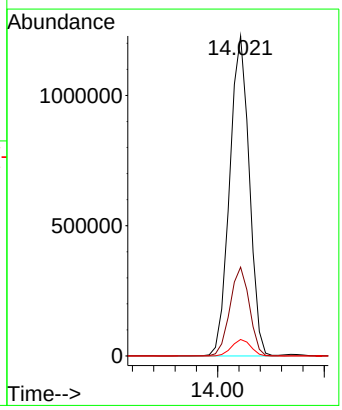


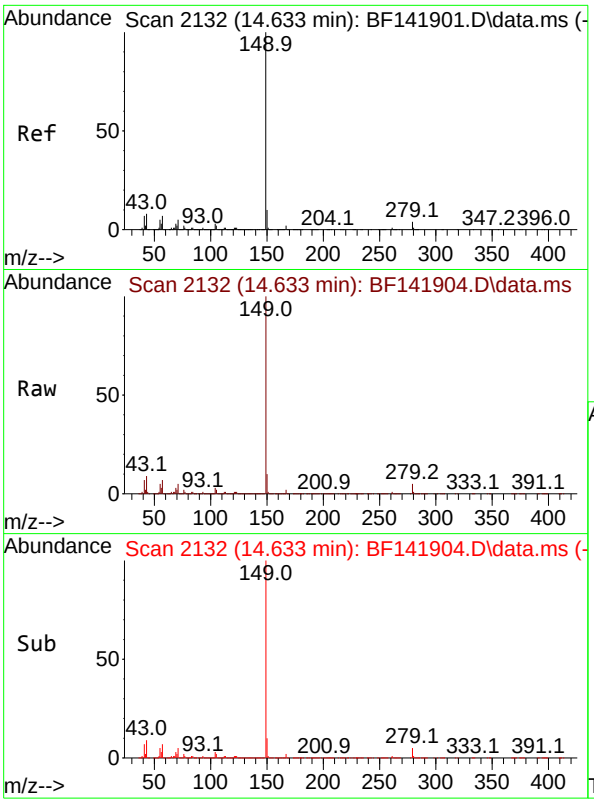


#84
Bis(2-ethylhexyl)phthalate
Concen: 79.962 ng
RT: 14.021 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:149 Resp: 1573231

Ion	Ratio	Lower	Upper
149	100		
167	27.7	21.4	32.0
279	5.2	3.8	5.6



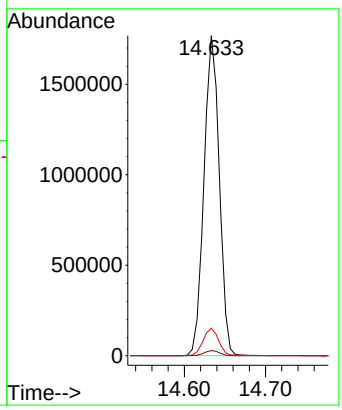


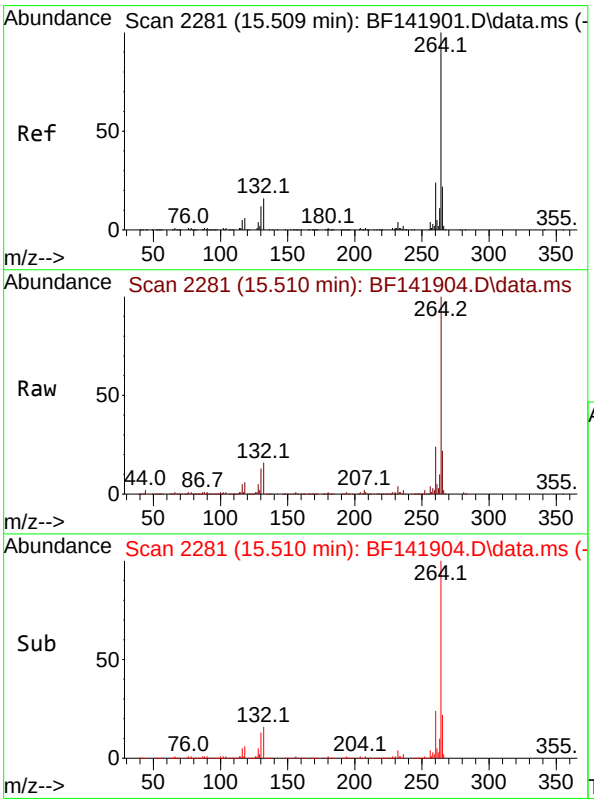
#85
Di-n-octyl phthalate
Concen: 84.386 ng
RT: 14.633 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 2310836

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.7	6.9	10.3

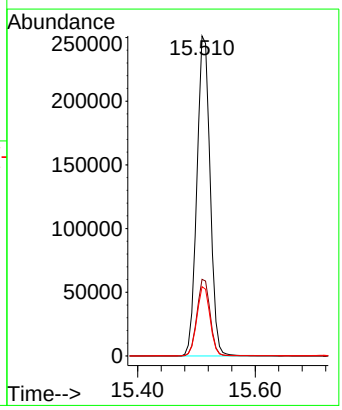


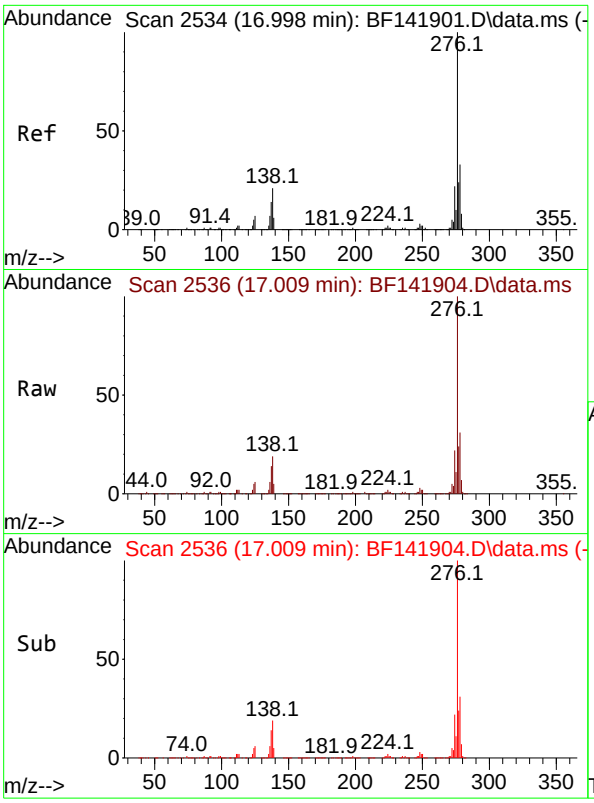


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 2281
Delta R.T. 0.000 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:264 Resp: 391768

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.1	28.7
265	21.7	17.5	26.3



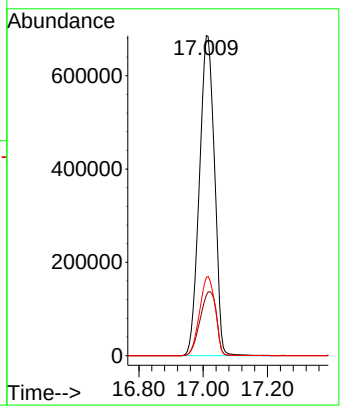


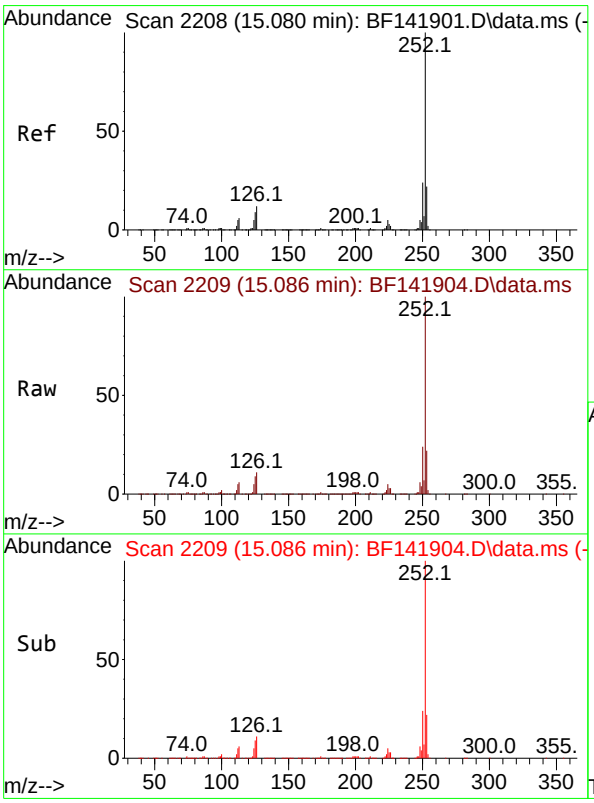
#87
Indeno(1,2,3-cd)pyrene
Concen: 88.111 ng
RT: 17.009 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:276 Resp: 2238588

Ion	Ratio	Lower	Upper
276	100		
138	21.6	18.4	27.6
277	25.5	20.3	30.5

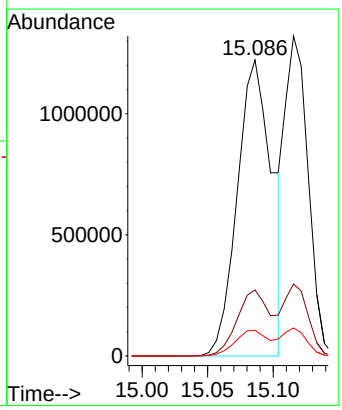


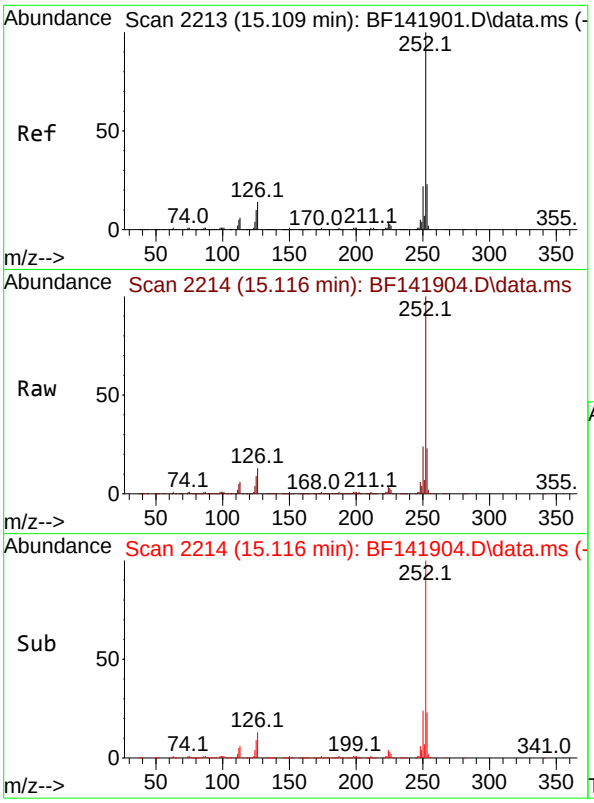


#88
Benzo(b)fluoranthene
Concen: 84.536 ng
RT: 15.086 min Scan# 2209
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:252 Resp: 2246428

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	8.7	7.0	10.4



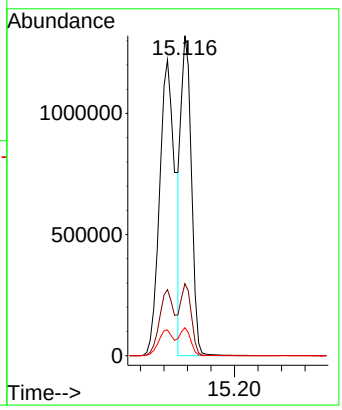


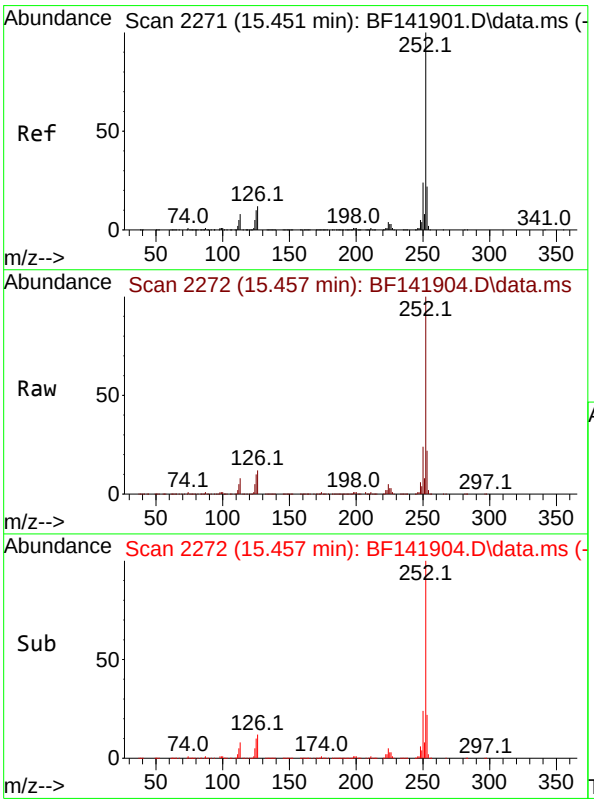
#89
Benzo(k)fluoranthene
Concen: 70.292 ng
RT: 15.116 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 1631675

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.7	26.5
125	8.8	7.2	10.8

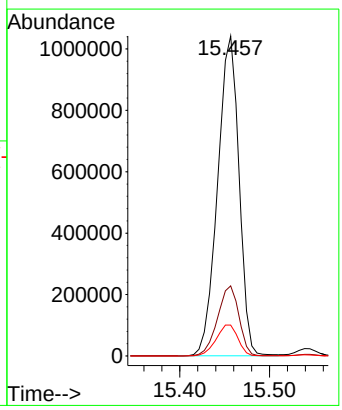


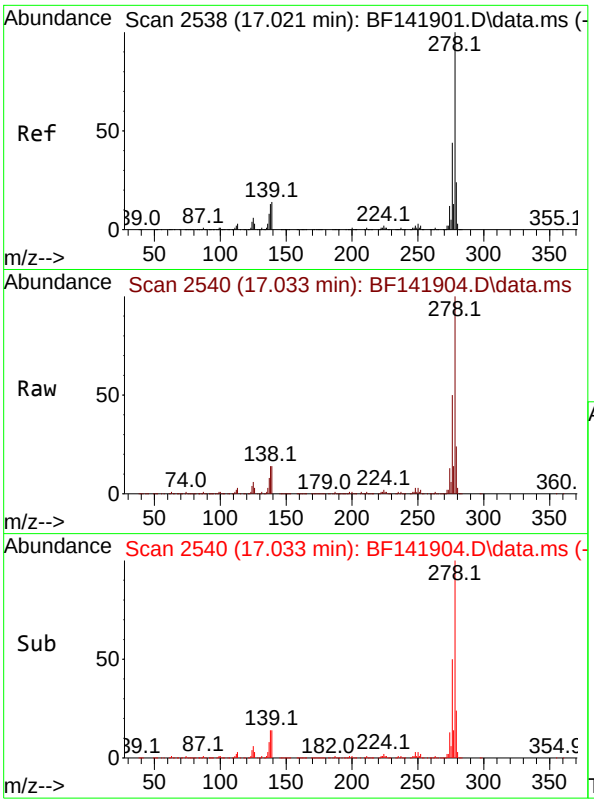


#90
Benzo(a)pyrene
Concen: 82.339 ng
RT: 15.457 min Scan# 2272
Delta R.T. 0.006 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:252 Resp: 1725632

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.0
125	9.7	7.8	11.8



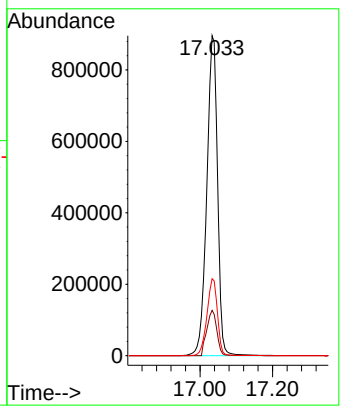


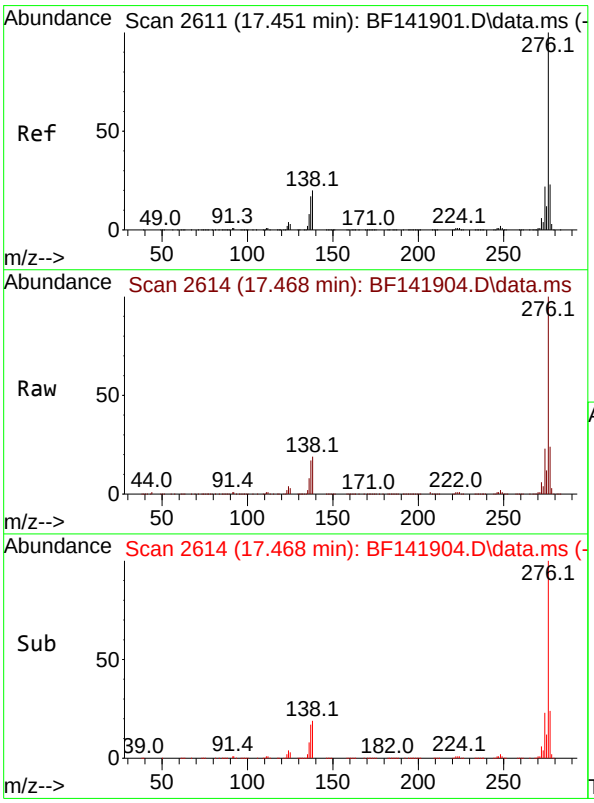
#91
Dibenzo(a,h)anthracene
Concen: 88.098 ng
RT: 17.033 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:278 Resp: 1846778

Ion	Ratio	Lower	Upper
278	100		
139	14.1	11.4	17.2
279	24.1	18.8	28.2

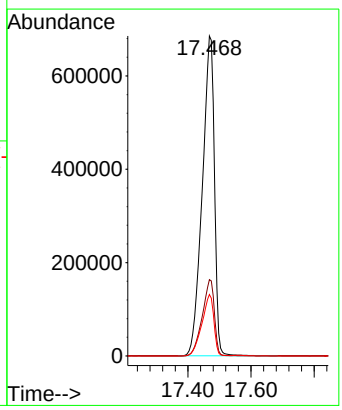




#92
Benzo(g,h,i)perylene
Concen: 87.950 ng
RT: 17.468 min Scan# 2614
Delta R.T. 0.018 min
Lab File: BF141904.D
Acq: 10 Mar 2025 14:27

Tgt Ion:276 Resp: 1828662

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.7	28.1
138	19.2	15.8	23.8



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141905.D
Acq On : 10 Mar 2025 15:20
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Mar 10 15:39:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	215017	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	877329	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	481971	20.000	ng		0.00
64) Phenanthrene-d10	11.404	188	811142	20.000	ng		0.00
76) Chrysene-d12	14.045	240	491943	20.000	ng		0.00
86) Perylene-d12	15.509	264	413564	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.492	112	1249601	96.967	ng		0.00
7) Phenol-d6	6.504	99	1594608	97.156	ng		0.00
23) Nitrobenzene-d5	7.445	82	1507471	96.304	ng		0.00
42) 2,4,6-Tribromophenol	10.710	330	625035	102.342	ng		0.00
45) 2-Fluorobiphenyl	9.239	172	3064989	96.836	ng		0.00
79) Terphenyl-d14	12.992	244	3394803	102.007	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.675	88	266045	49.258	ng		99
3) Pyridine	3.434	79	646627	48.716	ng		99
4) n-Nitrosodimethylamine	3.398	42	320008	50.718	ng		99
6) Aniline	6.545	93	775854	47.884	ng		99
8) 2-Chlorophenol	6.669	128	696154	48.738	ng		100
9) Benzaldehyde	6.434	77	418049	45.569	ng		99
10) Phenol	6.522	94	829086	47.876	ng		96
11) bis(2-Chloroethyl)ether	6.616	93	631516	48.672	ng		100
12) 1,3-Dichlorobenzene	6.822	146	753352	48.807	ng		99
13) 1,4-Dichlorobenzene	6.898	146	756875	48.465	ng		100
14) 1,2-Dichlorobenzene	7.051	146	706635	48.049	ng		100
15) Benzyl Alcohol	7.022	79	652454	49.113	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	745710	47.687	ng		100
17) 2-Methylphenol	7.128	107	557981	49.153	ng		99
18) Hexachloroethane	7.392	117	290127	49.551	ng		99
19) n-Nitroso-di-n-propyla...	7.298	70	505166	47.887	ng		99
20) 3+4-Methylphenols	7.286	107	704563	48.388	ng	#	86
22) Acetophenone	7.292	105	987577	46.924	ng		97
24) Nitrobenzene	7.463	77	752936	48.514	ng		99
25) Isophorone	7.704	82	1327254	48.027	ng		99
26) 2-Nitrophenol	7.781	139	392772	51.644	ng		100
27) 2,4-Dimethylphenol	7.810	122	510395	48.725	ng		99
28) bis(2-Chloroethoxy)met...	7.910	93	826776	47.757	ng		100
29) 2,4-Dichlorophenol	8.016	162	647319	49.793	ng		100
30) 1,2,4-Trichlorobenzene	8.104	180	697274	48.617	ng		99
31) Naphthalene	8.186	128	2196111	48.863	ng		100
32) Benzoic acid	7.939	122	500593	54.676	ng		100
33) 4-Chloroaniline	8.233	127	775699	48.909	ng		99
34) Hexachlorobutadiene	8.304	225	469787	50.376	ng		99
35) Caprolactam	8.616	113	193267	48.891	ng		95
36) 4-Chloro-3-methylphenol	8.710	107	721800	49.925	ng		100
37) 2-Methylnaphthalene	8.875	142	1436485	47.638	ng		100
38) 1-Methylnaphthalene	8.975	142	1357356	46.482	ng		100
40) 1,2,4,5-Tetrachloroben...	9.039	216	719431	48.955	ng		99
41) Hexachlorocyclopentadiene	9.027	237	284968	49.142	ng		99
43) 2,4,6-Trichlorophenol	9.151	196	481782	50.291	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141905.D
Acq On : 10 Mar 2025 15:20
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Mar 10 15:39:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	482570	49.580	ng		99
46) 1,1'-Biphenyl	9.339	154	1809746	49.526	ng		99
47) 2-Chloronaphthalene	9.369	162	1360528	49.960	ng		99
48) 2-Nitroaniline	9.457	65	429111	54.854	ng		97
49) Acenaphthylene	9.780	152	2005538	49.674	ng		100
50) Dimethylphthalate	9.645	163	1716995	51.273	ng		100
51) 2,6-Dinitrotoluene	9.704	165	370368	53.184	ng		96
52) Acenaphthene	9.957	154	1377901	48.333	ng		98
53) 3-Nitroaniline	9.874	138	340633	47.638	ng		100
54) 2,4-Dinitrophenol	9.975	184	184410	49.104	ng	#	58
55) Dibenzofuran	10.127	168	1936780	47.647	ng		99
56) 4-Nitrophenol	10.022	139	276487	51.474	ng		99
57) 2,4-Dinitrotoluene	10.104	165	461276	50.321	ng		97
58) Fluorene	10.469	166	1497123	47.708	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	438025	49.600	ng		100
60) Diethylphthalate	10.339	149	1635073	48.639	ng		100
61) 4-Chlorophenyl-phenyle...	10.457	204	799744	48.929	ng		99
62) 4-Nitroaniline	10.486	138	346378	49.990	ng		99
63) Azobenzene	10.622	77	1519356	48.653	ng		98
65) 4,6-Dinitro-2-methylph...	10.516	198	262910	54.673	ng		99
66) n-Nitrosodiphenylamine	10.580	169	1293745	49.373	ng		100
67) 4-Bromophenyl-phenylether	10.951	248	532762	52.740	ng		97
68) Hexachlorobenzene	11.016	284	573467	51.359	ng		97
69) Atrazine	11.104	200	418147	65.441	ng		99
70) Pentachlorophenol	11.204	266	365292	53.050	ng		99
71) Phenanthrene	11.433	178	2080633	47.434	ng		100
72) Anthracene	11.480	178	2081490	47.299	ng		99
73) Carbazole	11.633	167	1831424	48.338	ng		99
74) Di-n-butylphthalate	11.963	149	2510447	50.185	ng		99
75) Fluoranthene	12.616	202	2328357	50.564	ng		99
77) Benzidine	12.733	184	270893	38.966	ng		99
78) Pyrene	12.845	202	2308671	54.723	ng		100
80) Butylbenzylphthalate	13.463	149	864849	52.022	ng		99
81) Benzo(a)anthracene	14.033	228	1592035	49.192	ng		100
82) 3,3'-Dichlorobenzidine	13.992	252	449408	48.044	ng		99
83) Chrysene	14.068	228	1465389	50.404	ng		100
84) Bis(2-ethylhexyl)phtha...	14.021	149	1203021	52.747	ng		99
85) Di-n-octyl phthalate	14.633	149	1692206	53.307	ng		100
87) Indeno(1,2,3-cd)pyrene	17.003	276	1366974	50.969	ng		99
88) Benzo(b)fluoranthene	15.080	252	1392083	49.625	ng		99
89) Benzo(k)fluoranthene	15.109	252	1167351	47.638	ng		100
90) Benzo(a)pyrene	15.451	252	1119256	50.591	ng		99
91) Dibenzo(a,h)anthracene	17.021	278	1131875	51.149	ng		99
92) Benzo(g,h,i)perylene	17.456	276	1099760	50.106	ng		99

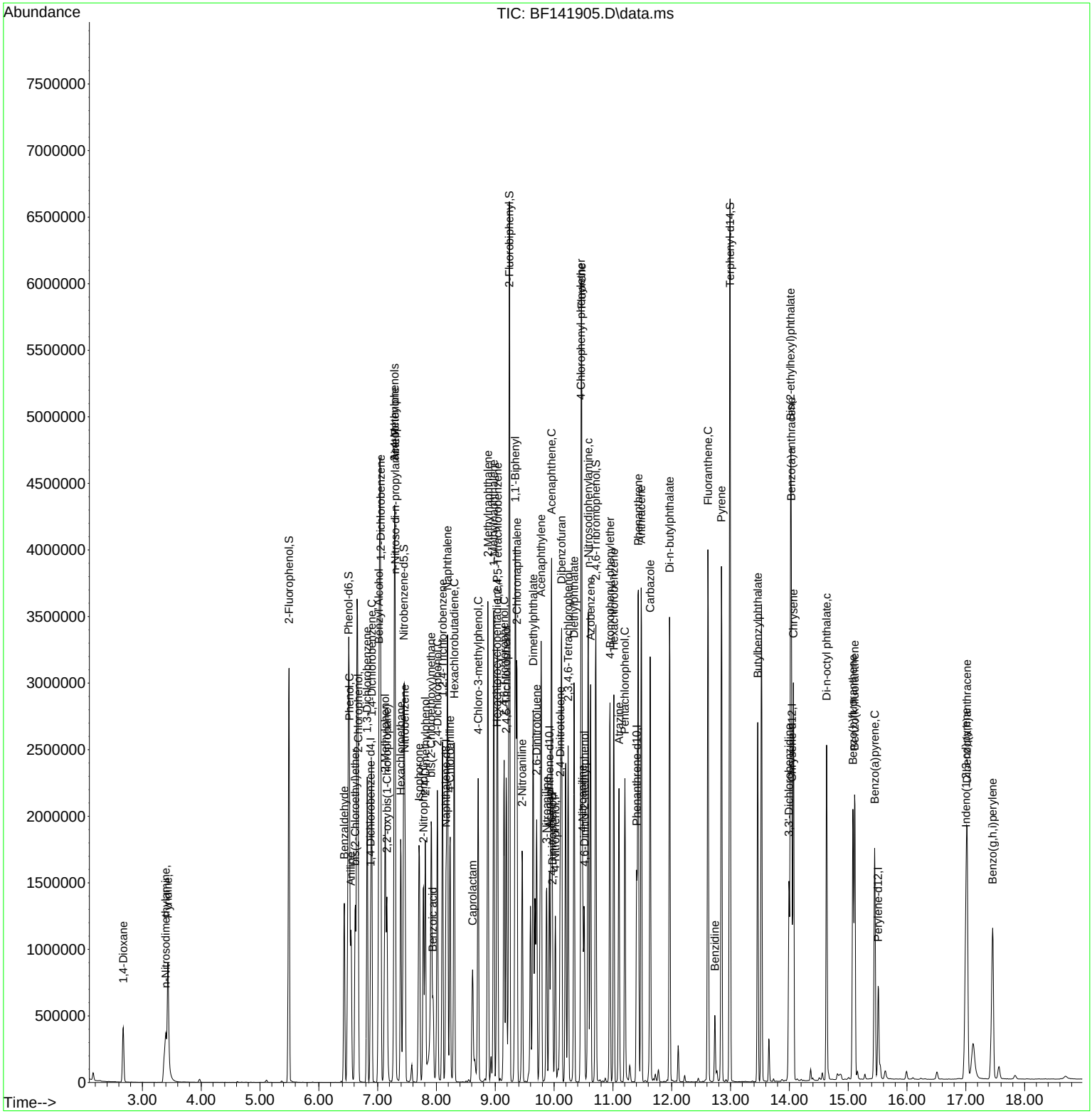
(#) = qualifier out of range (m) = manual integration (+) = signals summed

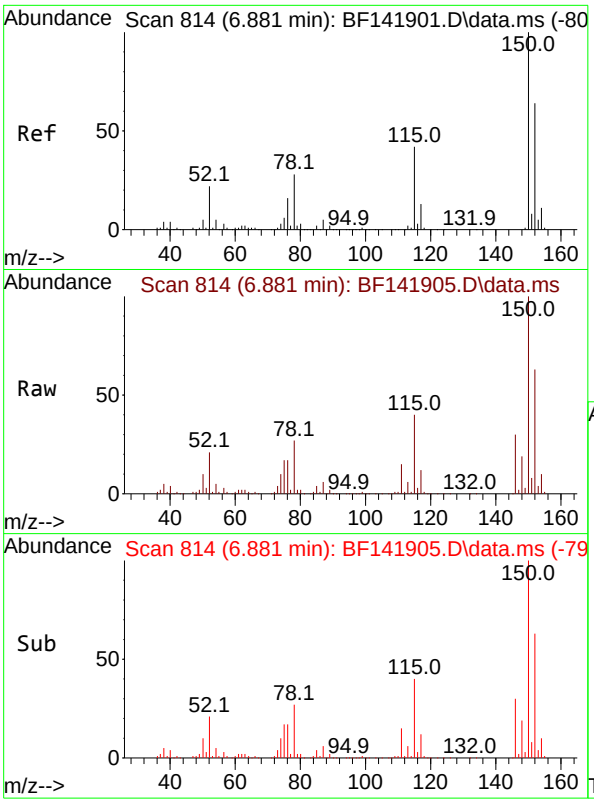
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141905.D
Acq On : 10 Mar 2025 15:20
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Mar 10 15:39:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:01:52 2025
Response via : Initial Calibration



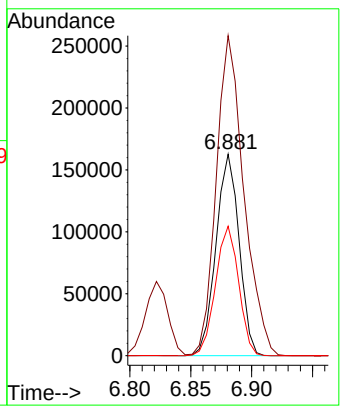


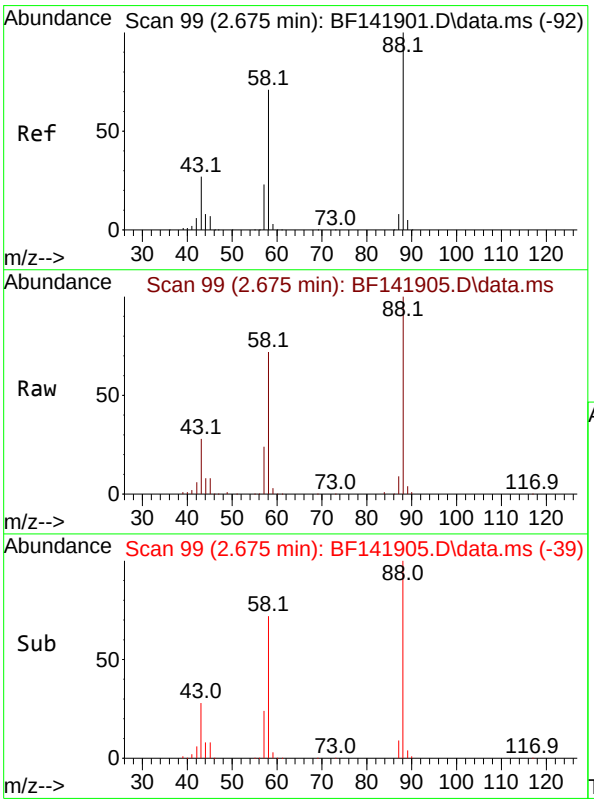
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 215017

Ion	Ratio	Lower	Upper
152	100		
150	158.8	127.4	191.2
115	64.3	51.9	77.9

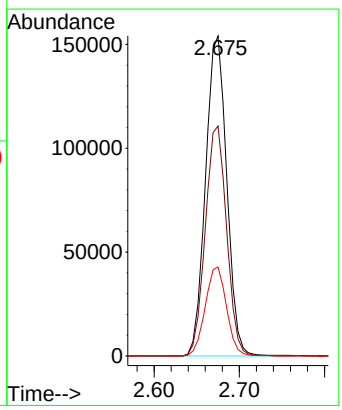


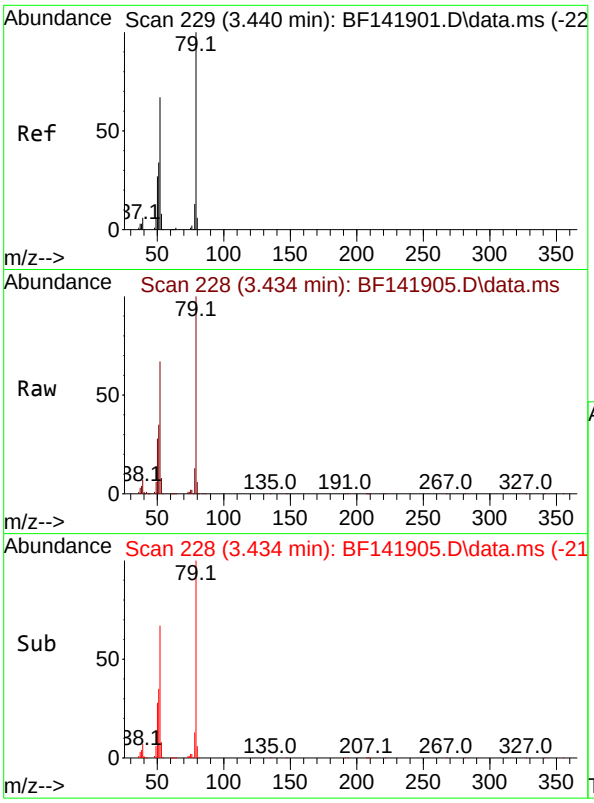


#2
1,4-Dioxane
Concen: 49.258 ng
RT: 2.675 min Scan# 99
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion: 88 Resp: 266045

Ion	Ratio	Lower	Upper
88	100		
58	72.1	57.4	86.2
43	27.9	21.5	32.3



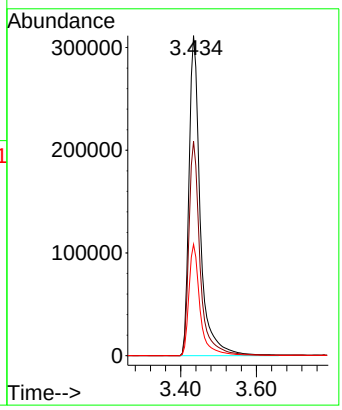


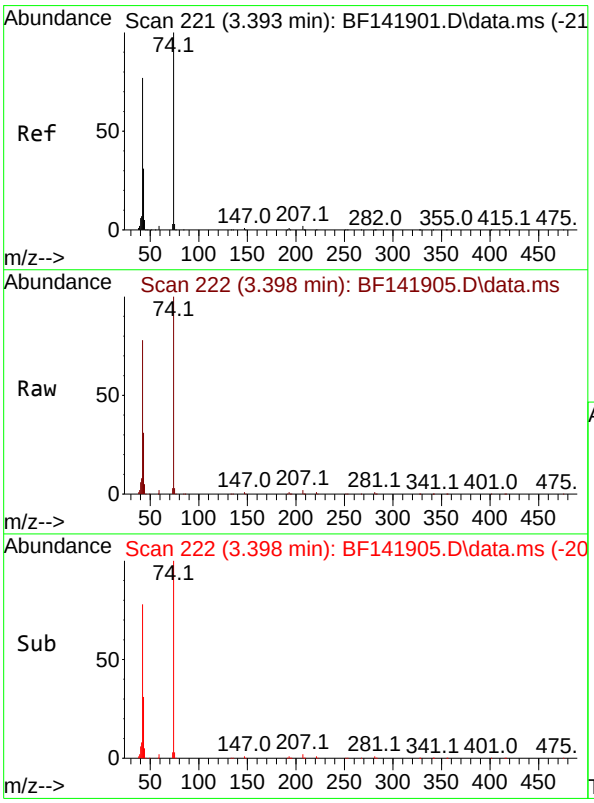
#3
Pyridine
Concen: 48.716 ng
RT: 3.434 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 646627

Ion	Ratio	Lower	Upper
79	100		
52	67.0	53.3	79.9
51	34.8	27.6	41.4

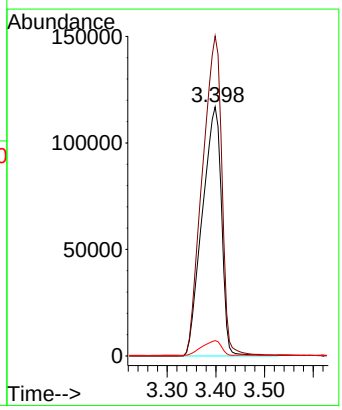


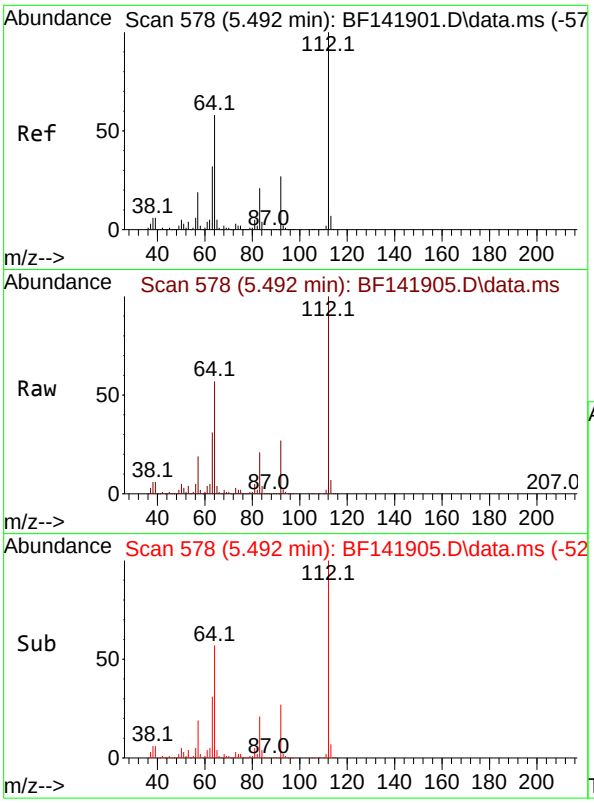


#4
n-Nitrosodimethylamine
Concen: 50.718 ng
RT: 3.398 min Scan# 222
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion: 42 Resp: 320008

Ion	Ratio	Lower	Upper
42	100		
74	128.4	103.4	155.0
44	6.2	5.0	7.4



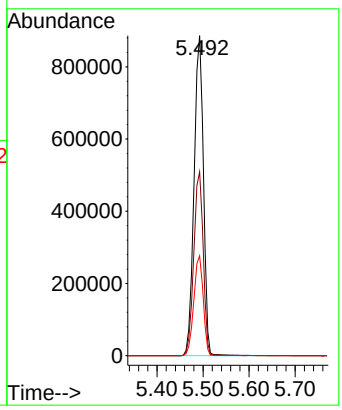


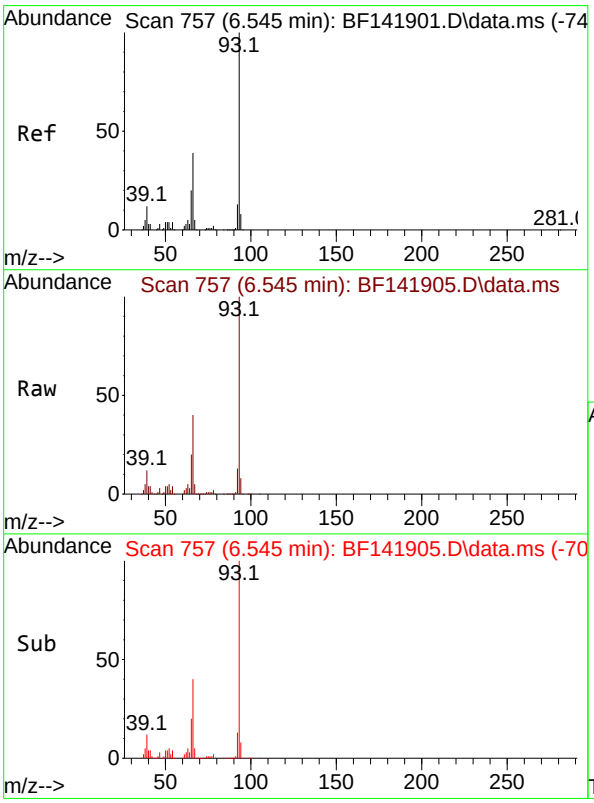
#5
2-Fluorophenol
Concen: 96.967 ng
RT: 5.492 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:112 Resp: 1249601

Ion	Ratio	Lower	Upper
112	100		
64	57.5	46.5	69.7
63	31.2	25.4	38.2

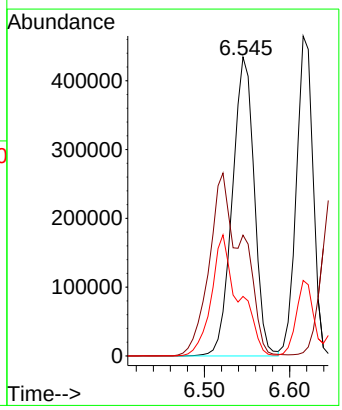


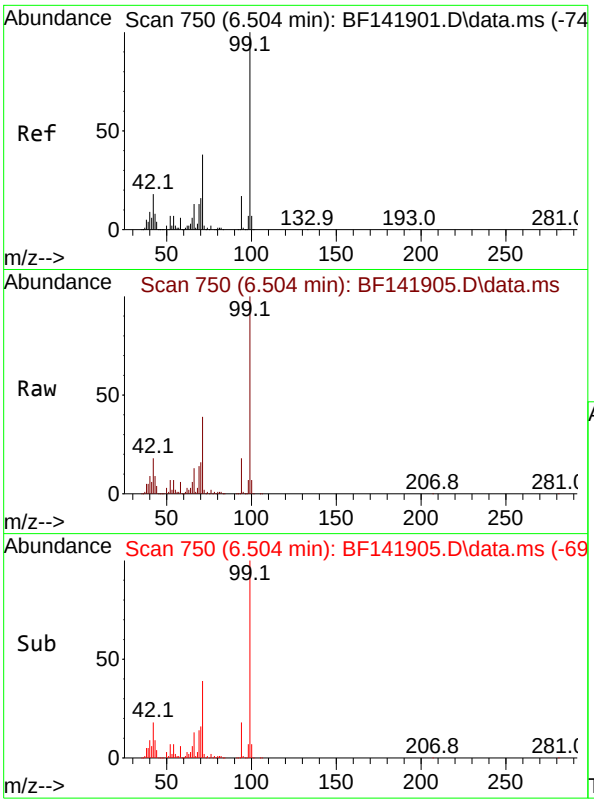


#6
Aniline
Concen: 47.884 ng
RT: 6.545 min Scan# 757
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion: 93 Resp: 775854

Ion	Ratio	Lower	Upper
93	100		
66	40.4	31.9	47.9
65	19.9	15.8	23.6



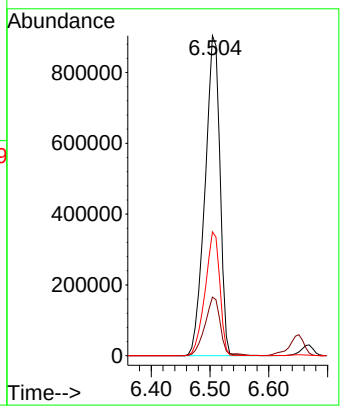


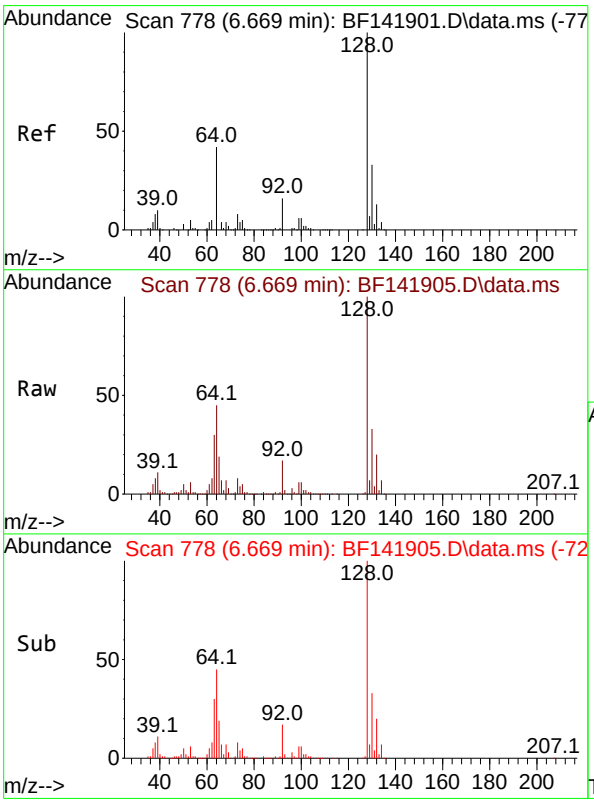
#7
Phenol-d6
Concen: 97.156 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 1594608

Ion	Ratio	Lower	Upper
99	100		
42	18.3	14.6	21.8
71	38.7	30.8	46.2

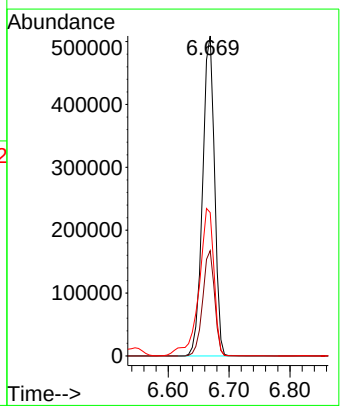


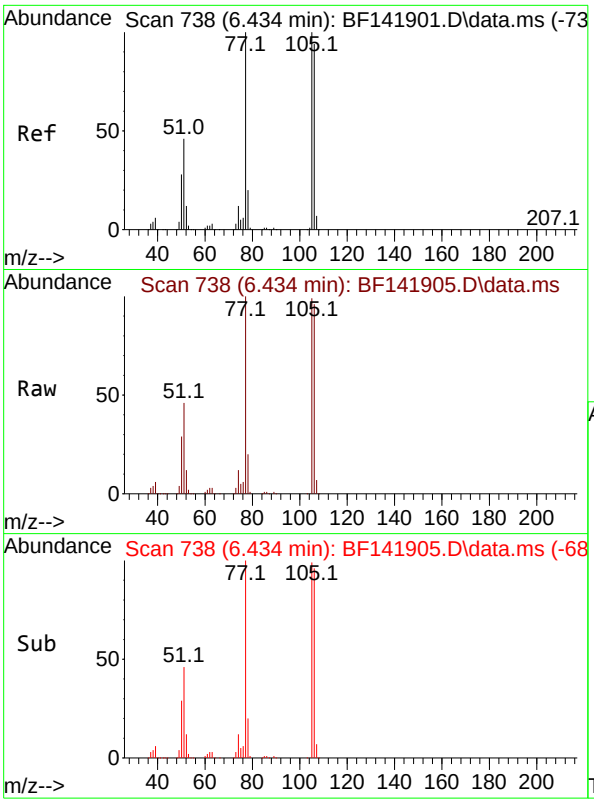


#8
2-Chlorophenol
Concen: 48.738 ng
RT: 6.669 min Scan# 778
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:128 Resp: 696154

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.8	52.8
64	44.8	24.4	64.4



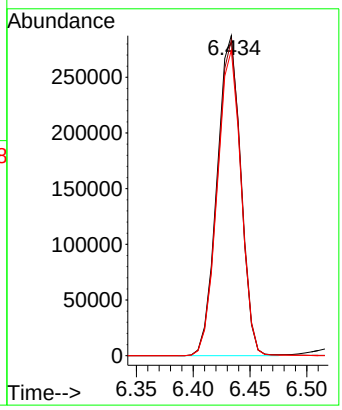


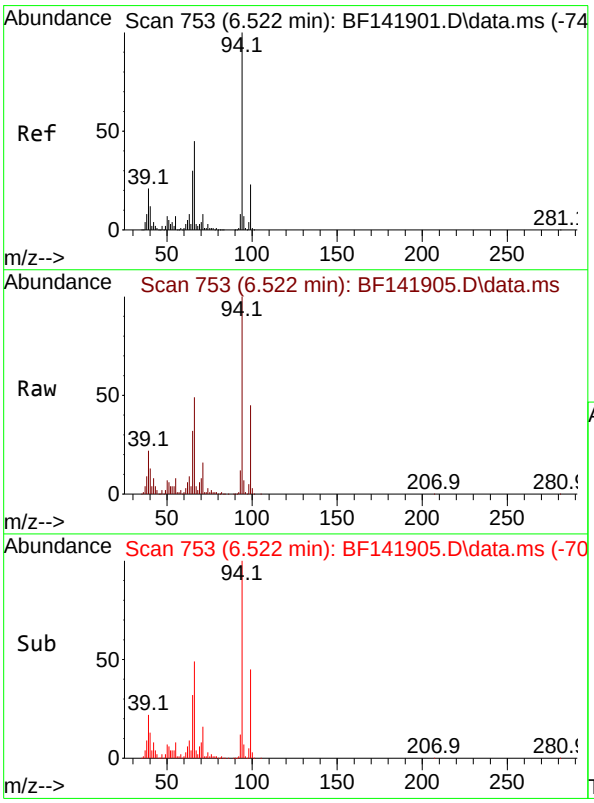
#9
Benzaldehyde
Concen: 45.569 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 418049

Ion	Ratio	Lower	Upper
77	100		
105	98.6	80.0	120.0
106	95.5	74.5	114.5

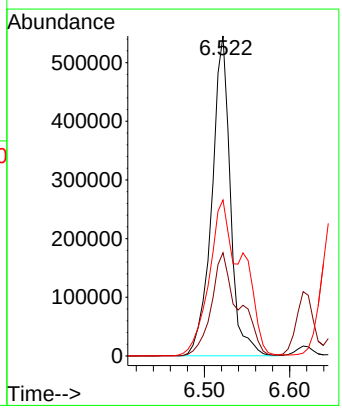


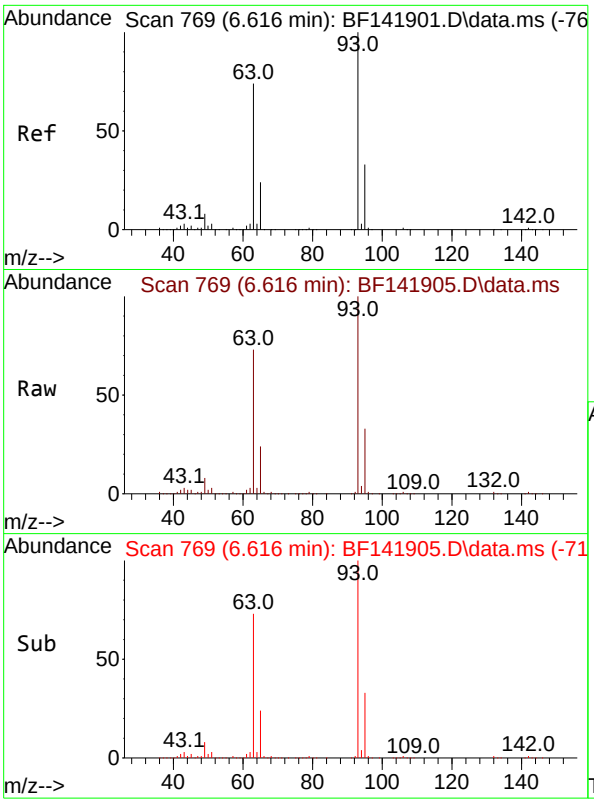


#10
Phenol
Concen: 47.876 ng
RT: 6.522 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion: 94 Resp: 829086

Ion	Ratio	Lower	Upper
94	100		
65	32.3	10.5	50.5
66	48.7	25.8	65.8



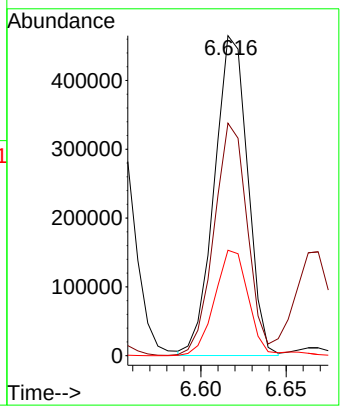


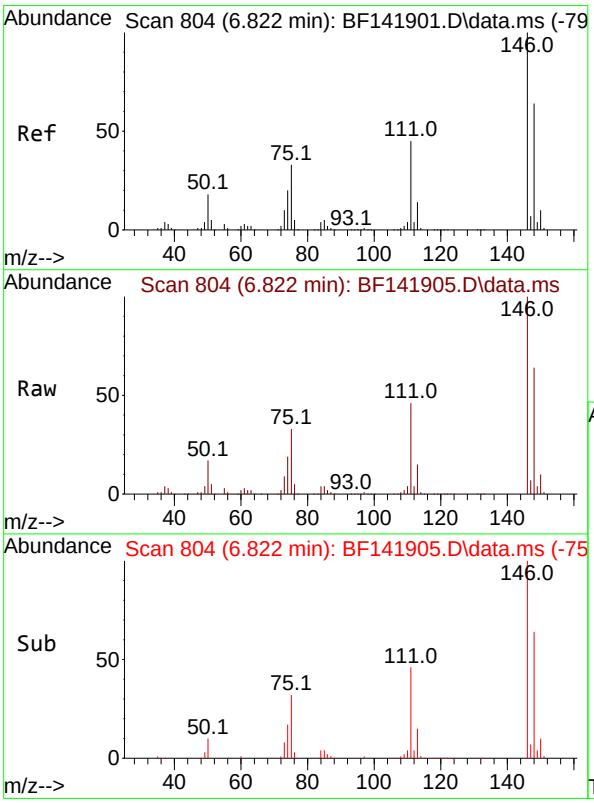
#11
bis(2-Chloroethyl)ether
Concen: 48.672 ng
RT: 6.616 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 631516

Ion	Ratio	Lower	Upper
93	100		
63	72.7	53.0	93.0
95	33.0	12.9	52.9

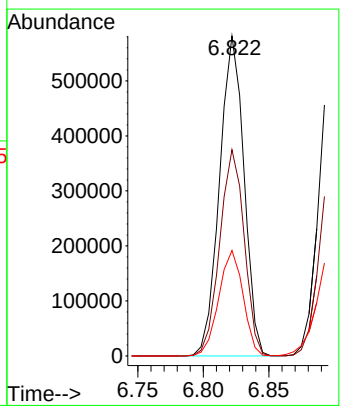


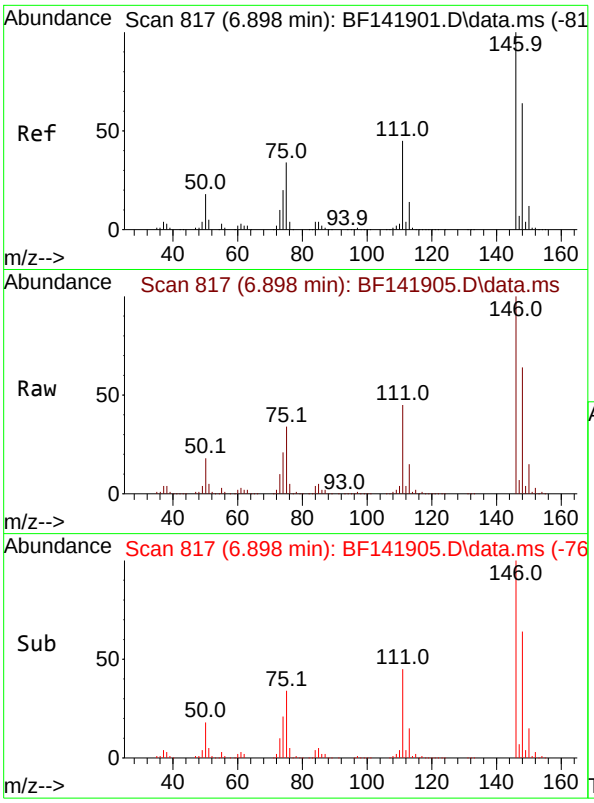


#12
1,3-Dichlorobenzene
Concen: 48.807 ng
RT: 6.822 min Scan# 804
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:146 Resp: 753352

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.3	76.9
75	32.9	26.6	40.0



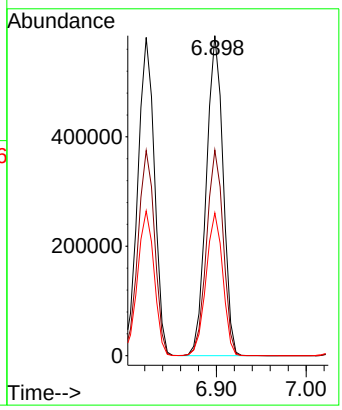


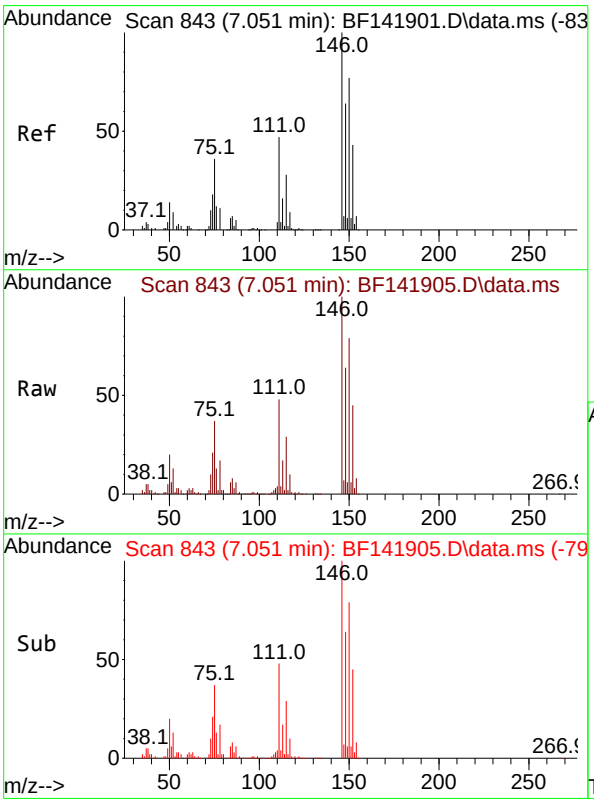
#13
1,4-Dichlorobenzene
Concen: 48.465 ng
RT: 6.898 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:146 Resp: 756875

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.0	76.6
111	44.6	35.7	53.5

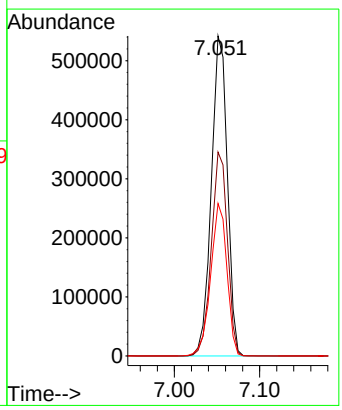


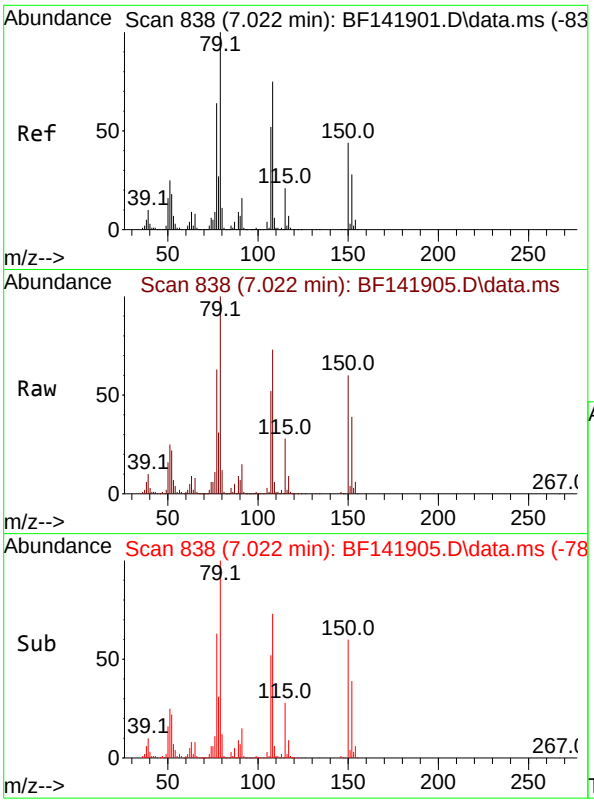


#14
1,2-Dichlorobenzene
Concen: 48.049 ng
RT: 7.051 min Scan# 843
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:146 Resp: 706635

Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.8	76.2
111	47.6	38.0	57.0



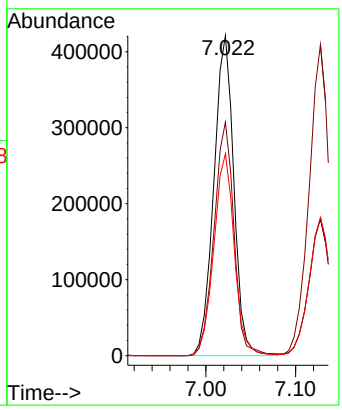


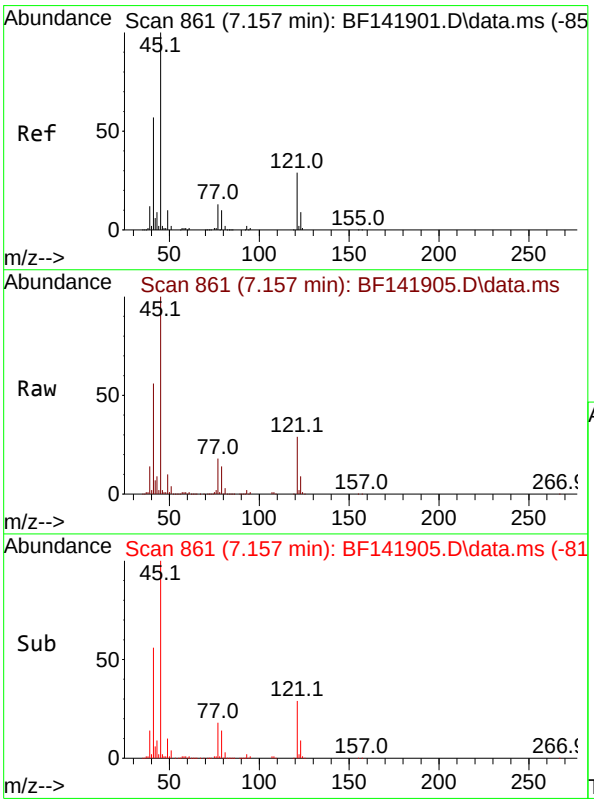
#15
Benzyl Alcohol
Concen: 49.113 ng
RT: 7.022 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 652454

Ion	Ratio	Lower	Upper
79	100		
108	73.0	59.7	89.5
77	63.1	51.0	76.6

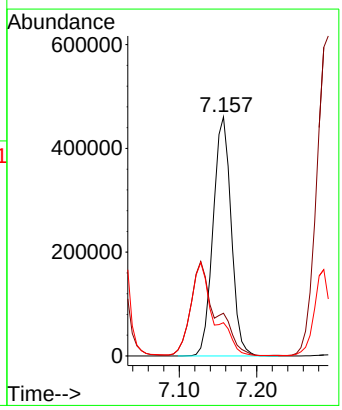


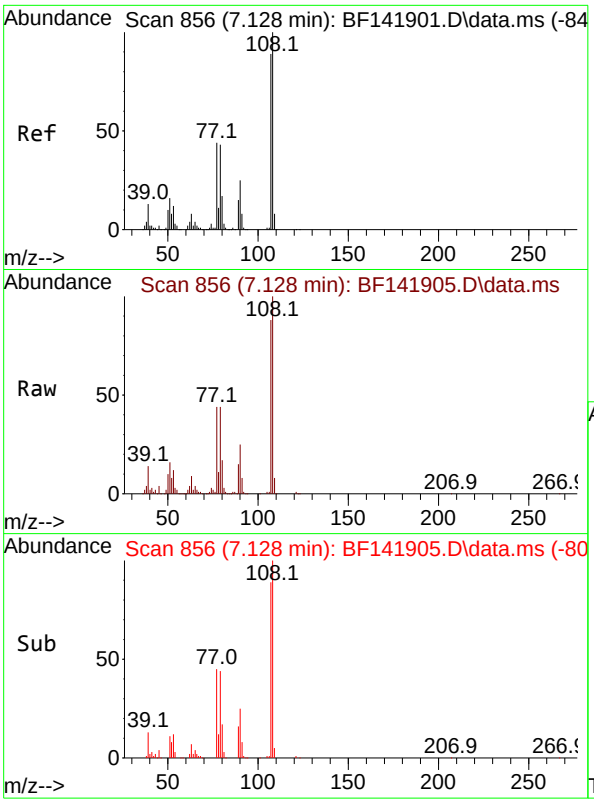


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.687 ng
RT: 7.157 min Scan# 861
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion: 45 Resp: 745710

Ion	Ratio	Lower	Upper
45	100		
77	17.9	0.0	37.8
79	14.0	0.0	34.2



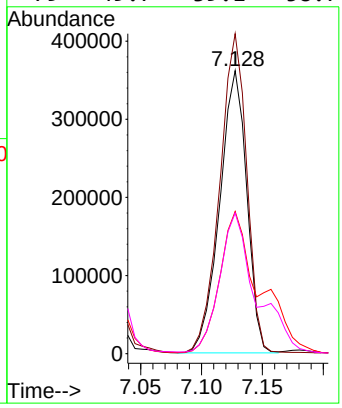


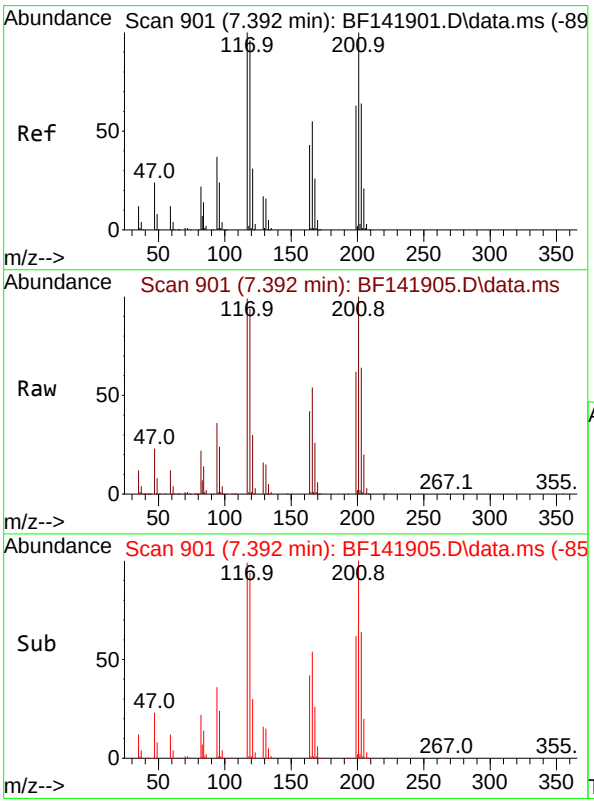
#17
2-Methylphenol
Concen: 49.153 ng
RT: 7.128 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 557981

Ion	Ratio	Lower	Upper
107	100		
108	113.1	90.2	135.2
77	50.3	39.6	59.4
79	49.7	39.1	58.7

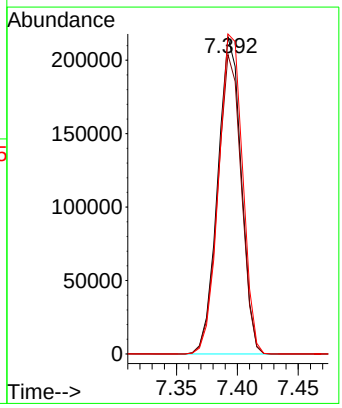


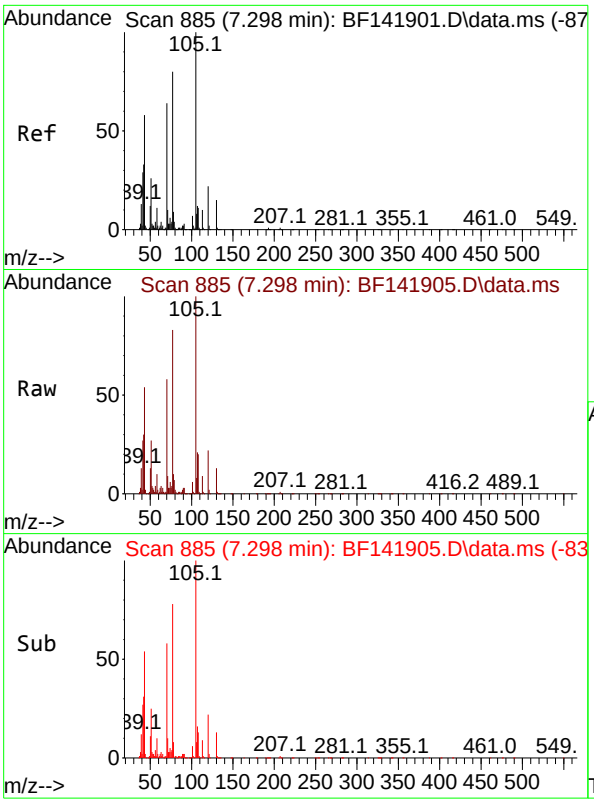


#18
Hexachloroethane
Concen: 49.551 ng
RT: 7.392 min Scan# 901
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:117 Resp: 290127

Ion	Ratio	Lower	Upper
117	100		
119	94.5	76.9	115.3
201	100.9	79.9	119.9



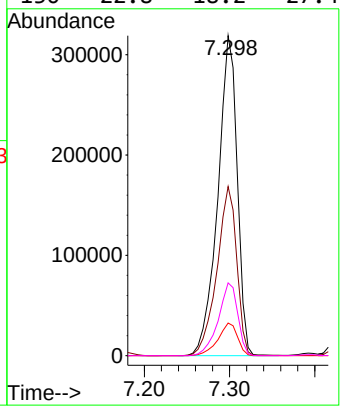


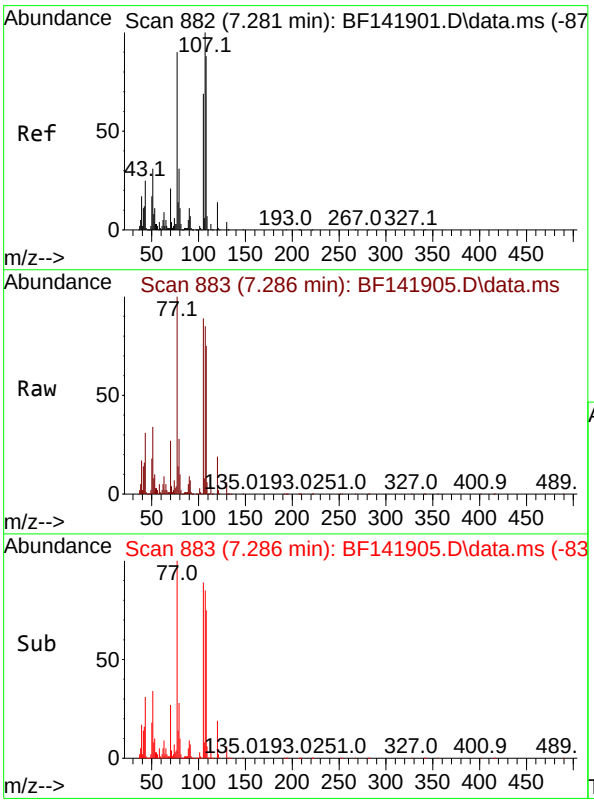
#19
n-Nitroso-di-n-propylamine
Concen: 47.887 ng
RT: 7.298 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 505166

Ion	Ratio	Lower	Upper
70	100		
42	52.8	41.4	62.0
101	10.2	8.2	12.2
130	22.8	18.2	27.4

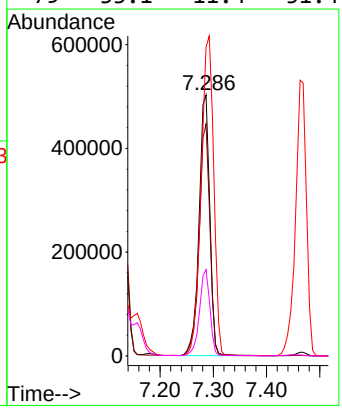


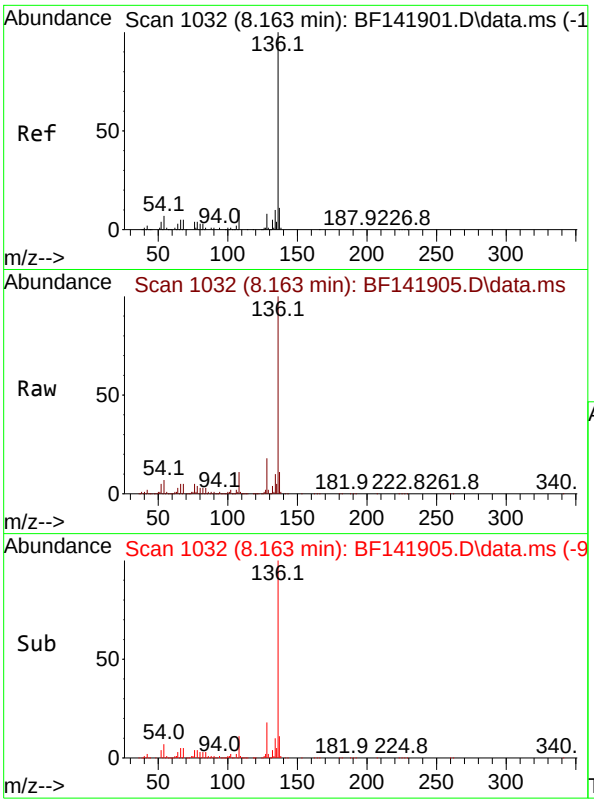


#20
3+4-Methylphenols
Concen: 48.388 ng
RT: 7.286 min Scan# 883
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:107 Resp: 704563

Ion	Ratio	Lower	Upper
107	100		
108	88.9	68.4	108.4
77	118.3	69.7	109.7#
79	33.1	11.4	51.4



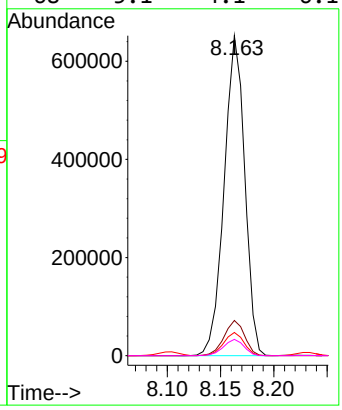


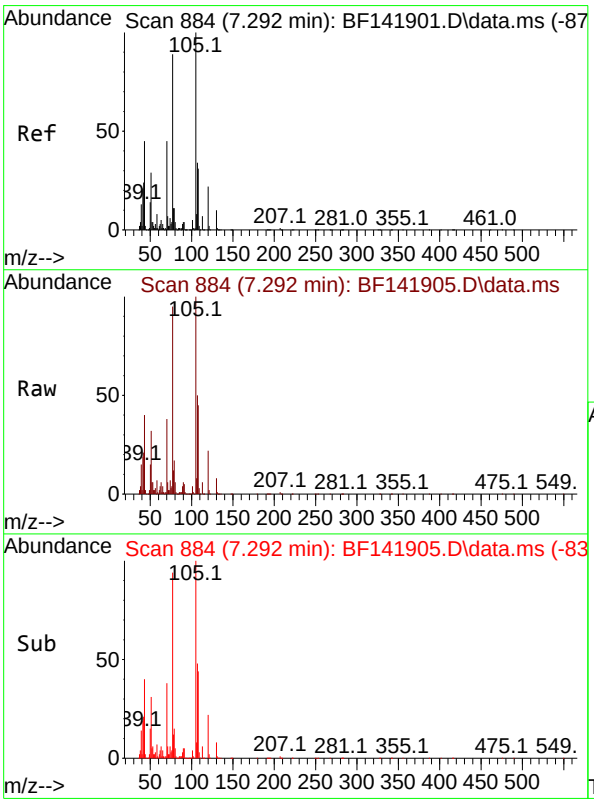
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 877329

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.2	5.8	8.8
68	5.1	4.1	6.1

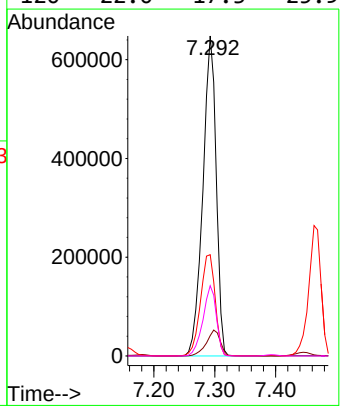


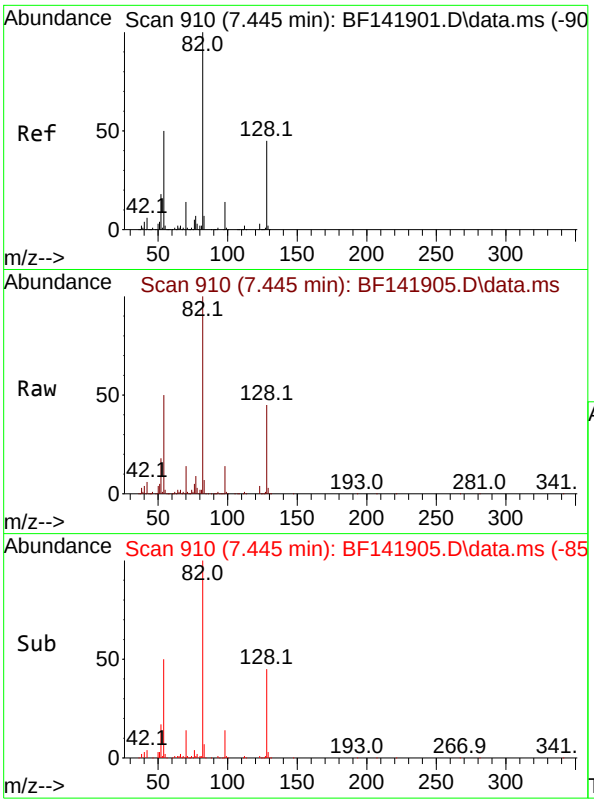


#22
Acetophenone
Concen: 46.924 ng
RT: 7.292 min Scan# 884
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:105 Resp: 987577

Ion	Ratio	Lower	Upper
105	100		
71	6.3	5.8	8.8
51	31.7	23.4	35.0
120	22.0	17.3	25.9



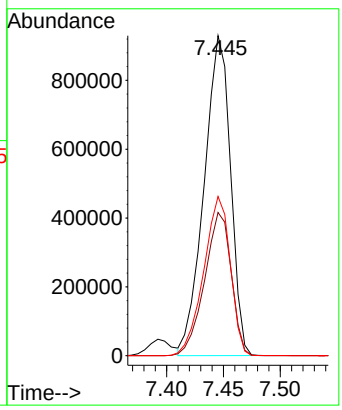


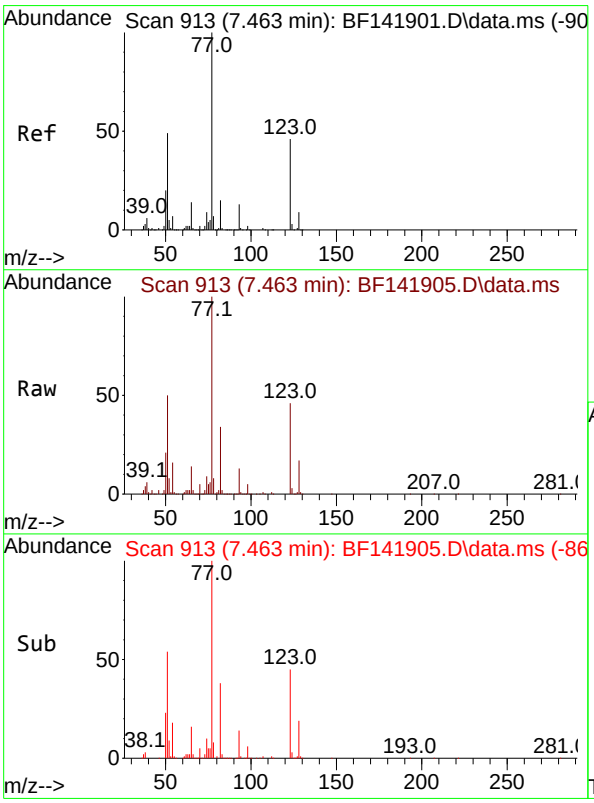
#23
Nitrobenzene-d5
Concen: 96.304 ng
RT: 7.445 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 1507471

Ion	Ratio	Lower	Upper
82	100		
128	44.8	36.0	54.0
54	49.8	39.6	59.4

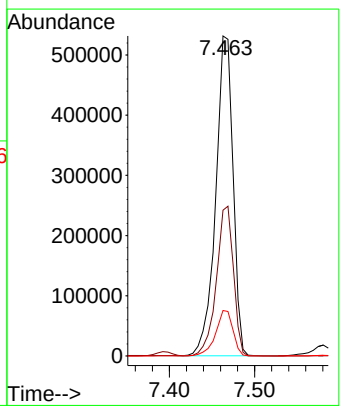


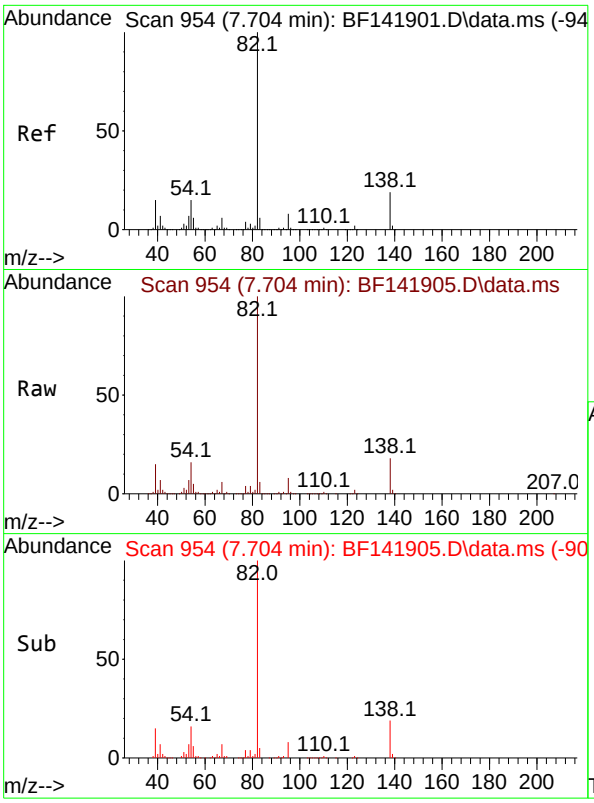


#24
Nitrobenzene
Concen: 48.514 ng
RT: 7.463 min Scan# 913
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion: 77 Resp: 752936

Ion	Ratio	Lower	Upper
77	100		
123	45.6	37.0	55.4
65	14.2	11.3	16.9



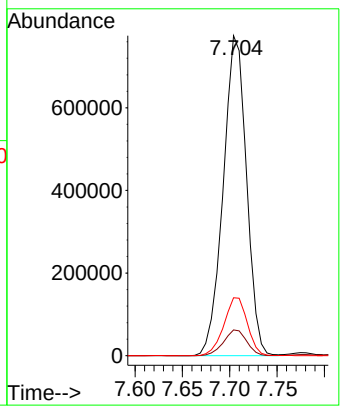


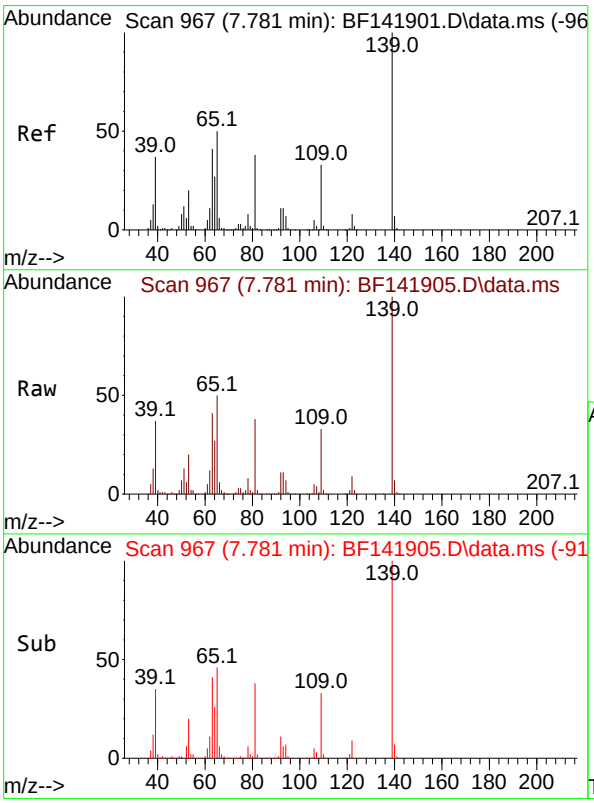
#25
Isophorone
Concen: 48.027 ng
RT: 7.704 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 1327254

Ion	Ratio	Lower	Upper
82	100		
95	8.0	6.4	9.6
138	18.1	14.9	22.3

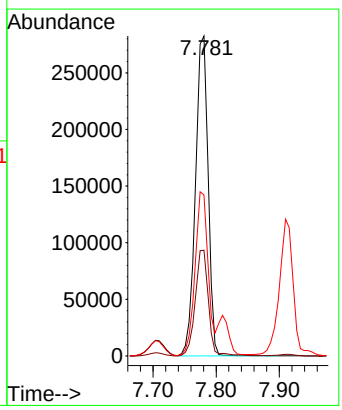


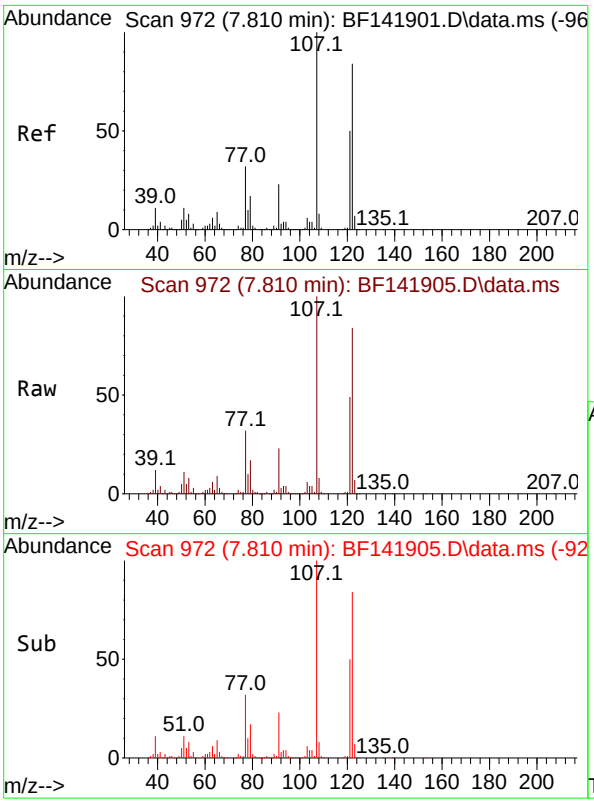


#26
2-Nitrophenol
Concen: 51.644 ng
RT: 7.781 min Scan# 967
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:139 Resp: 392772

Ion	Ratio	Lower	Upper
139	100		
109	33.1	26.5	39.7
65	50.4	40.3	60.5



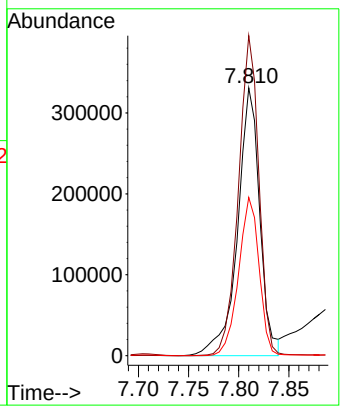


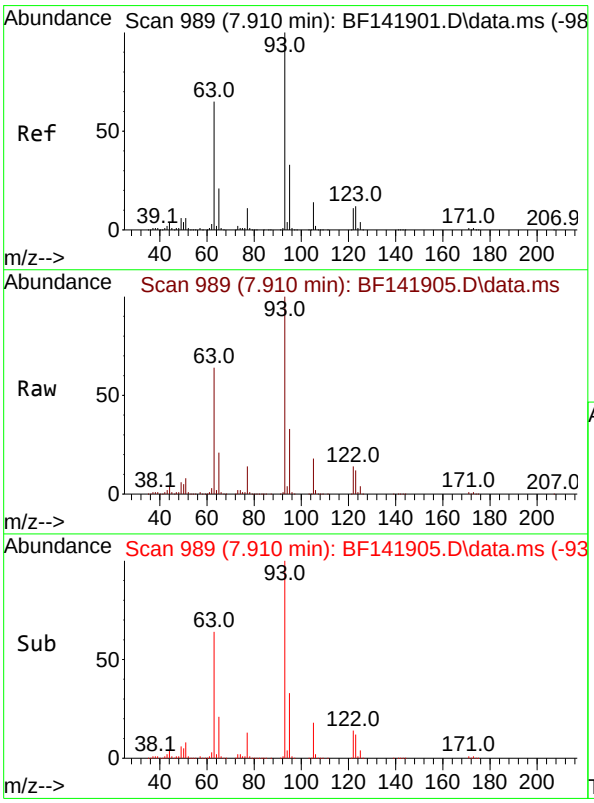
#27
2,4-Dimethylphenol
Concen: 48.725 ng
RT: 7.810 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:122 Resp: 510395

Ion	Ratio	Lower	Upper
122	100		
107	119.4	94.8	142.2
121	59.1	47.8	71.6

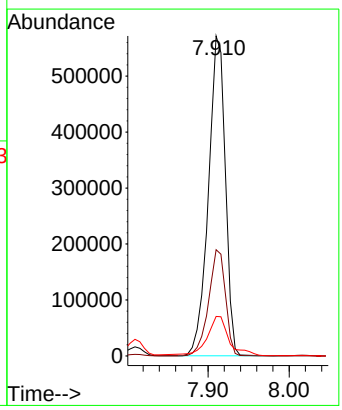


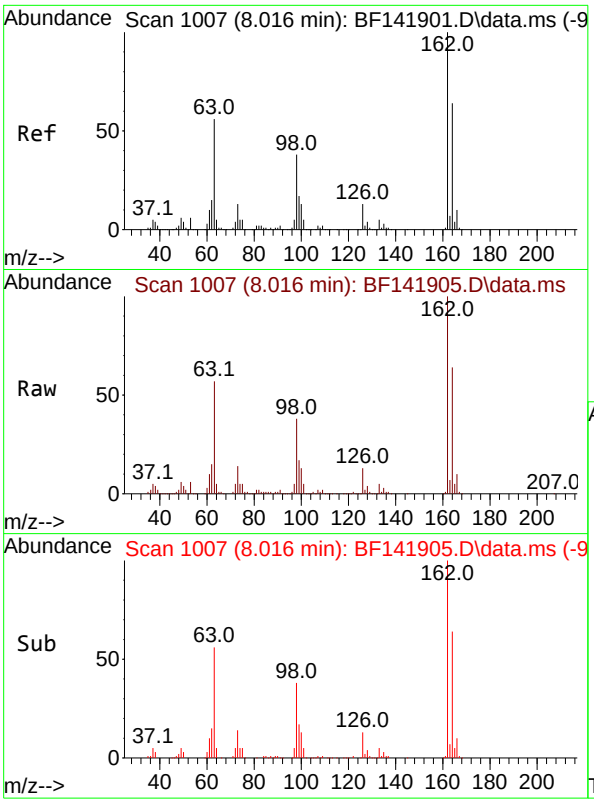


#28
bis(2-Chloroethoxy)methane
Concen: 47.757 ng
RT: 7.910 min Scan# 989
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion: 93 Resp: 826776

Ion	Ratio	Lower	Upper
93	100		
95	33.2	26.6	40.0
123	12.4	10.2	15.4



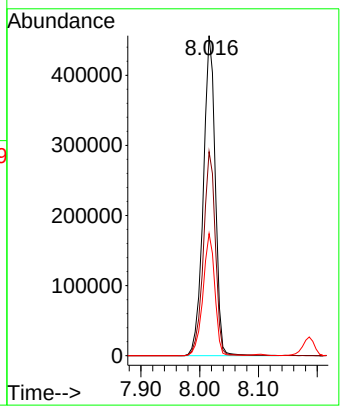


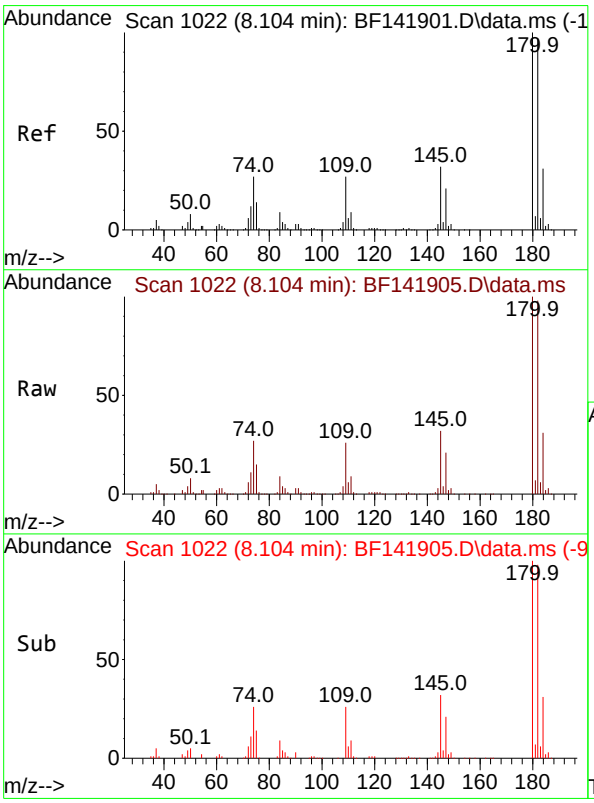
#29
2,4-Dichlorophenol
Concen: 49.793 ng
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 647319

Ion	Ratio	Lower	Upper
162	100		
164	63.8	43.8	83.8
98	38.1	18.1	58.1

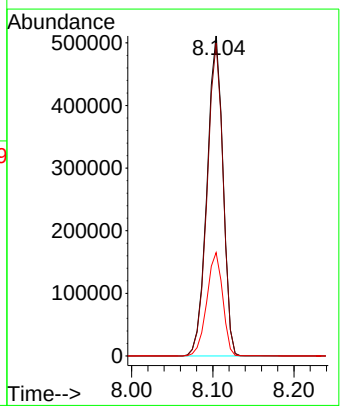


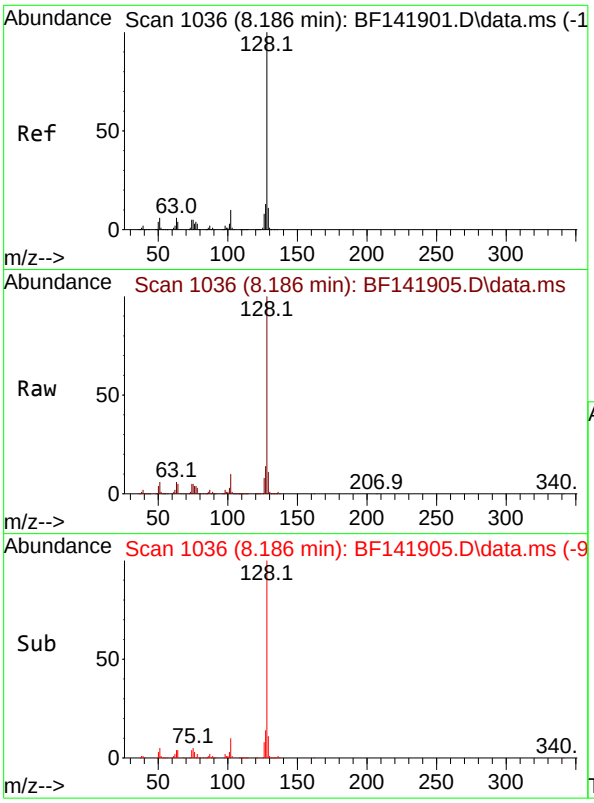


#30
1,2,4-Trichlorobenzene
Concen: 48.617 ng
RT: 8.104 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:180 Resp: 697274

Ion	Ratio	Lower	Upper
180	100		
182	97.8	77.5	116.3
145	32.3	25.8	38.6



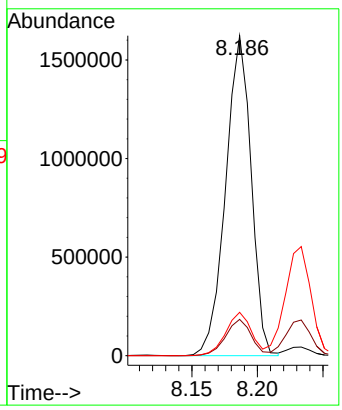


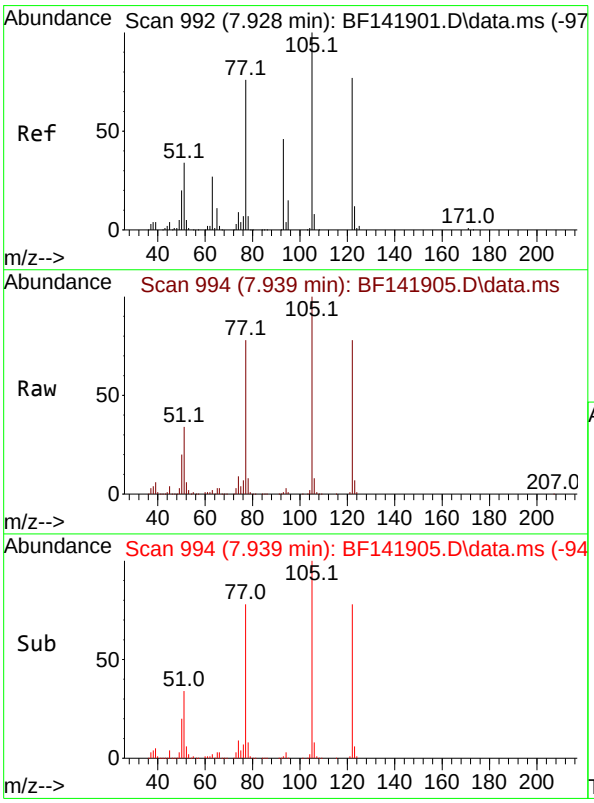
#31
Naphthalene
Concen: 48.863 ng
RT: 8.186 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:128 Resp: 2196111

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.0	13.6
127	13.5	10.8	16.2

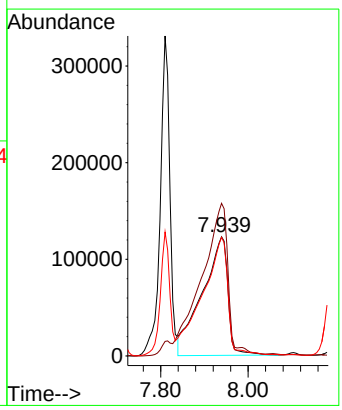


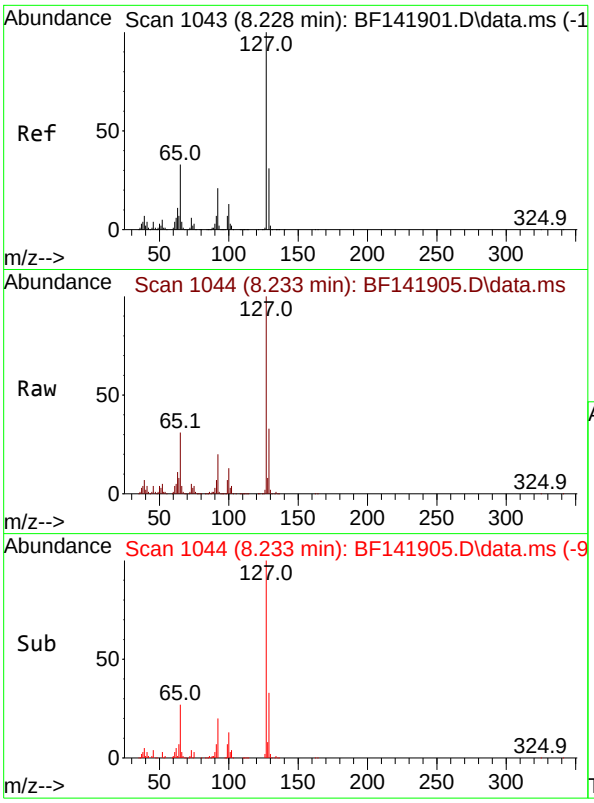


#32
Benzoic acid
Concen: 54.676 ng
RT: 7.939 min Scan# 994
Delta R.T. 0.011 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:122 Resp: 500593

Ion	Ratio	Lower	Upper
122	100		
105	128.0	107.9	147.9
77	99.6	79.0	119.0



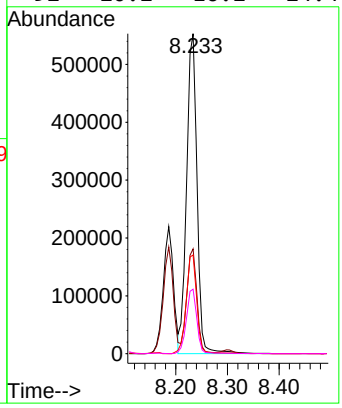


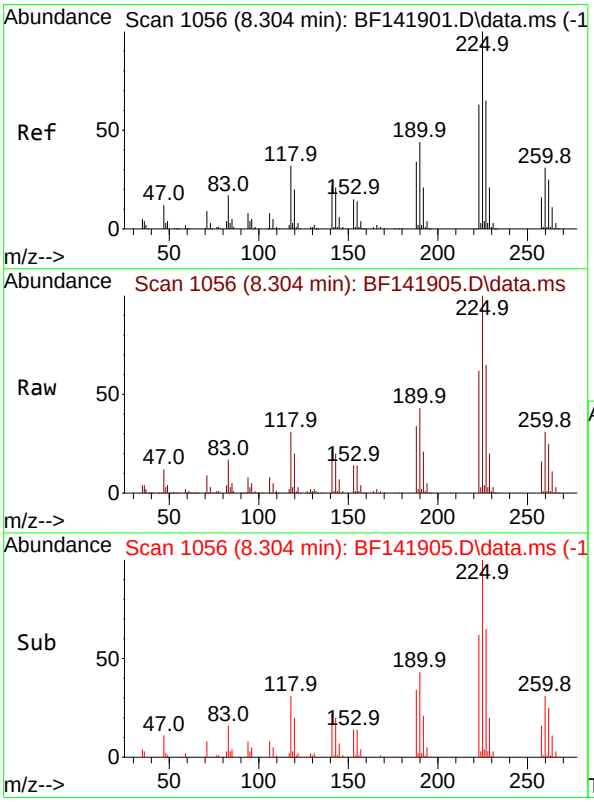
#33
4-Chloroaniline
Concen: 48.909 ng
RT: 8.233 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 775699

Ion	Ratio	Lower	Upper
127	100		
129	32.8	26.2	39.4
65	30.9	25.4	38.2
92	20.2	16.2	24.4

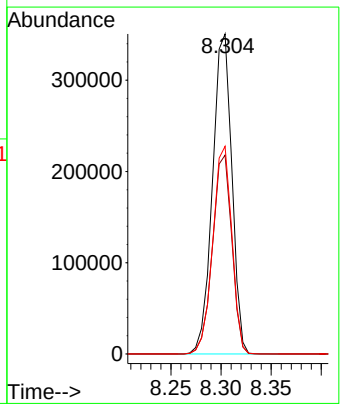


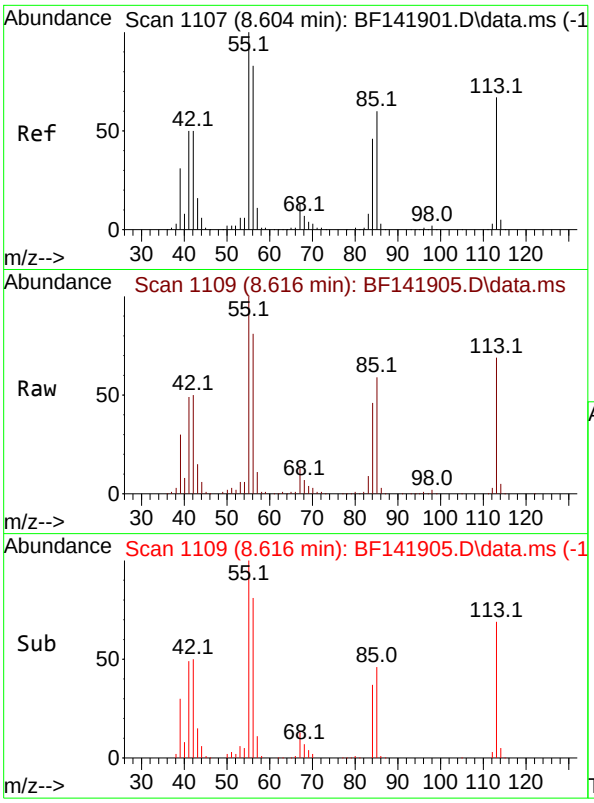


#34
Hexachlorobutadiene
Concen: 50.376 ng
RT: 8.304 min Scan# 1056
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:225 Resp: 469787

Ion	Ratio	Lower	Upper
225	100		
223	62.2	50.6	75.8
227	64.9	52.2	78.2



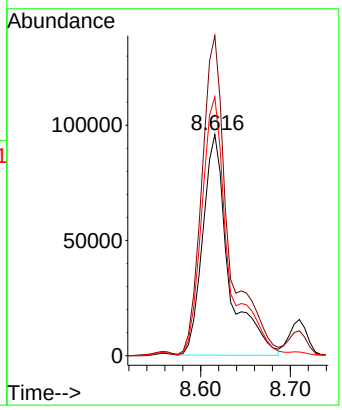


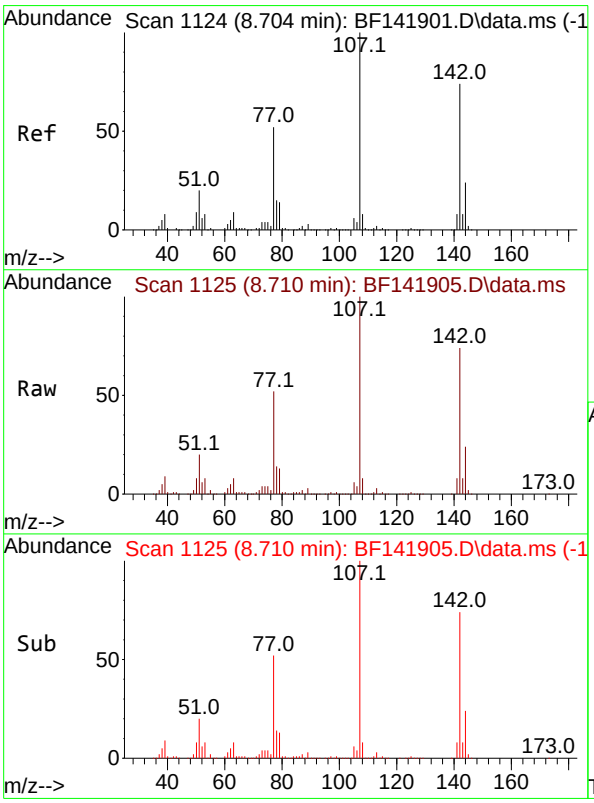
#35
Caprolactam
Concen: 48.891 ng
RT: 8.616 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:113 Resp: 193267

Ion	Ratio	Lower	Upper
113	100		
55	144.7	129.6	169.6
56	117.1	104.0	144.0

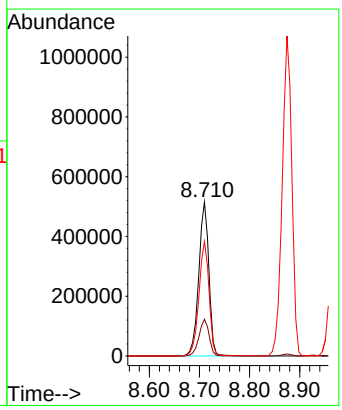


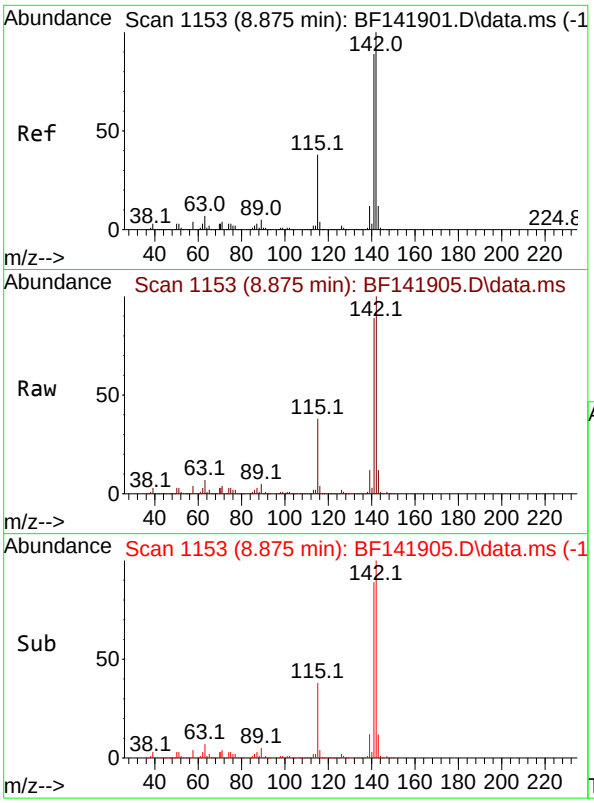


#36
4-Chloro-3-methylphenol
Concen: 49.925 ng
RT: 8.710 min Scan# 1125
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:107 Resp: 721800

Ion	Ratio	Lower	Upper
107	100		
144	23.8	19.0	28.6
142	74.4	59.2	88.8



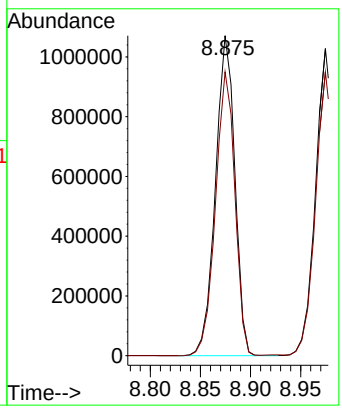


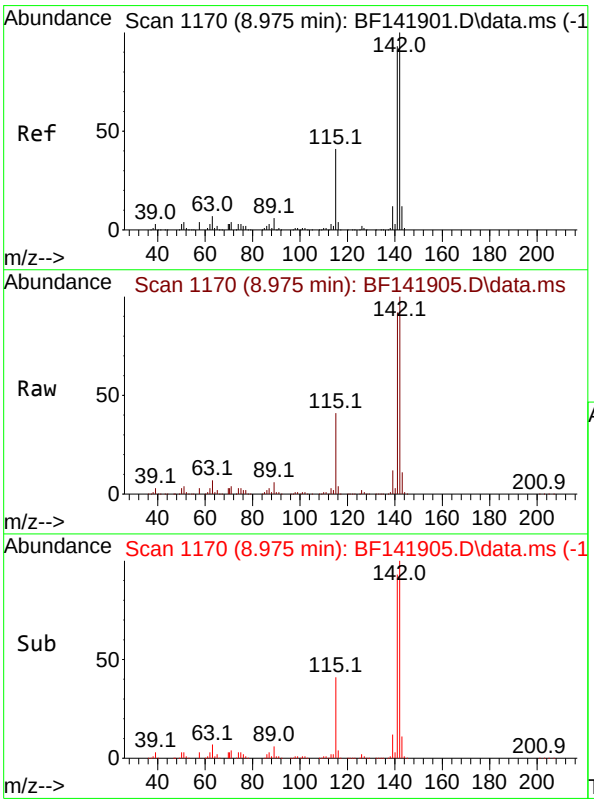
#37
2-Methylnaphthalene
Concen: 47.638 ng
RT: 8.875 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 1436485

Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.2	106.8

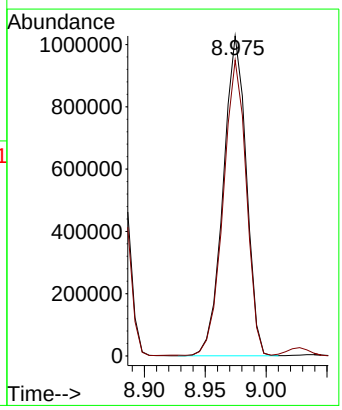


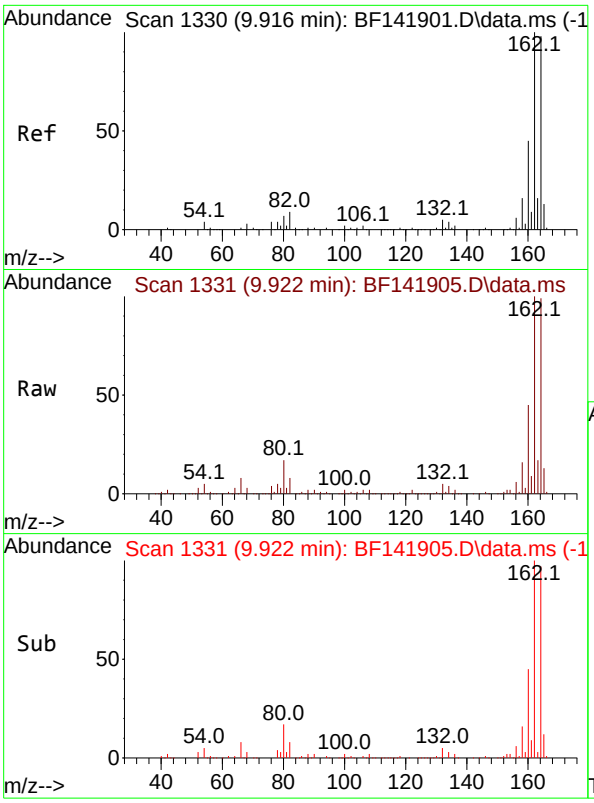


#38
1-Methylnaphthalene
Concen: 46.482 ng
RT: 8.975 min Scan# 1170
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:142 Resp: 1357356

Ion	Ratio	Lower	Upper
142	100		
141	92.4	74.2	111.4



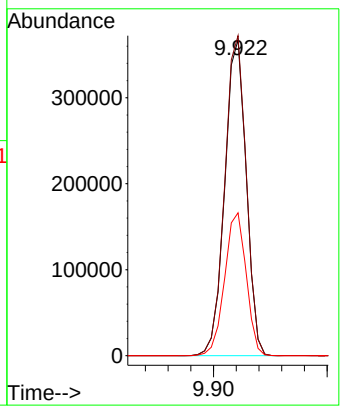


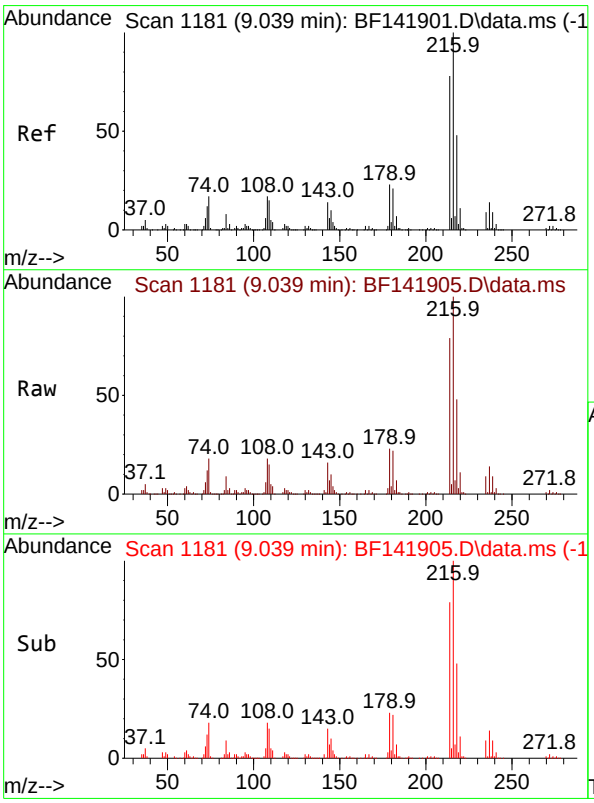
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:164 Resp: 481971

Ion	Ratio	Lower	Upper
164	100		
162	101.3	81.8	122.6
160	45.2	36.7	55.1

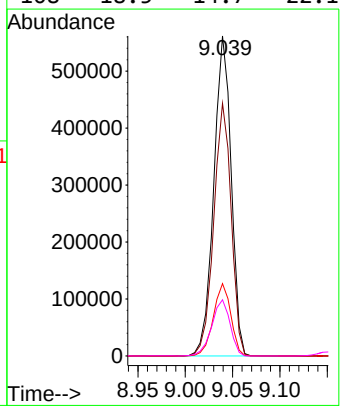


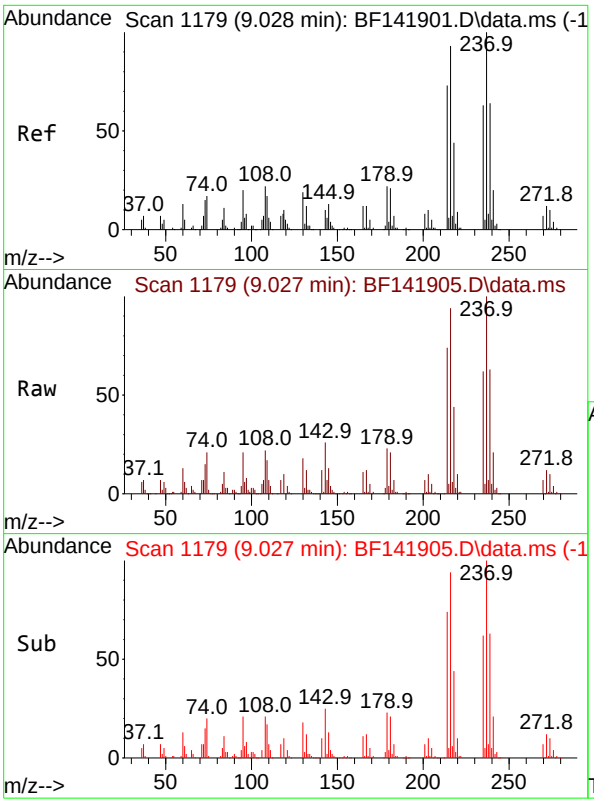


#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.955 ng
RT: 9.039 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:216 Resp: 719431

Ion	Ratio	Lower	Upper
216	100		
214	78.9	61.9	92.9
179	22.7	18.1	27.1
108	18.5	14.7	22.1



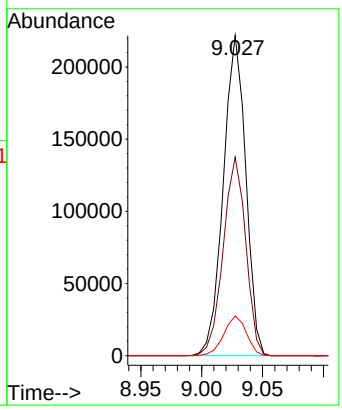


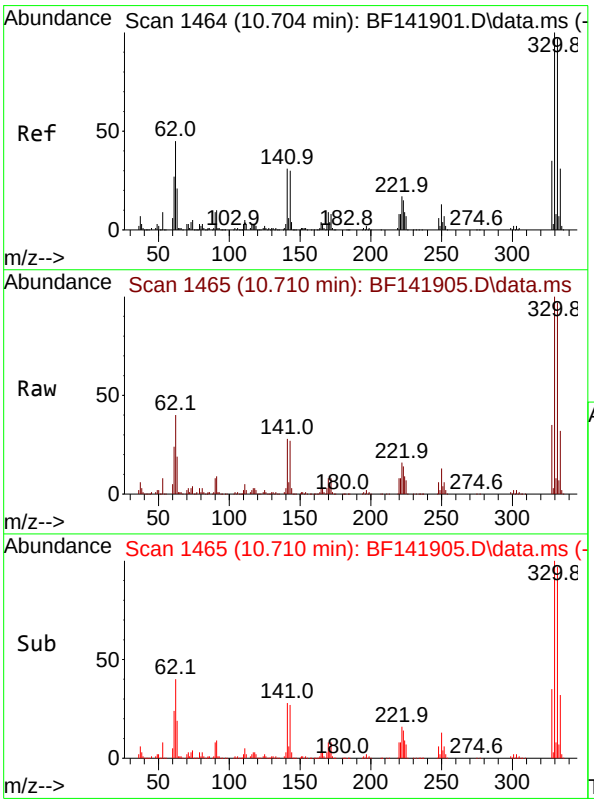
#41
Hexachlorocyclopentadiene
Concen: 49.142 ng
RT: 9.027 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:237 Resp: 284968

Ion	Ratio	Lower	Upper
237	100		
235	62.1	43.1	83.1
272	12.4	0.0	32.0

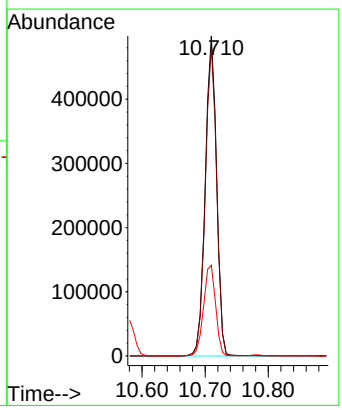


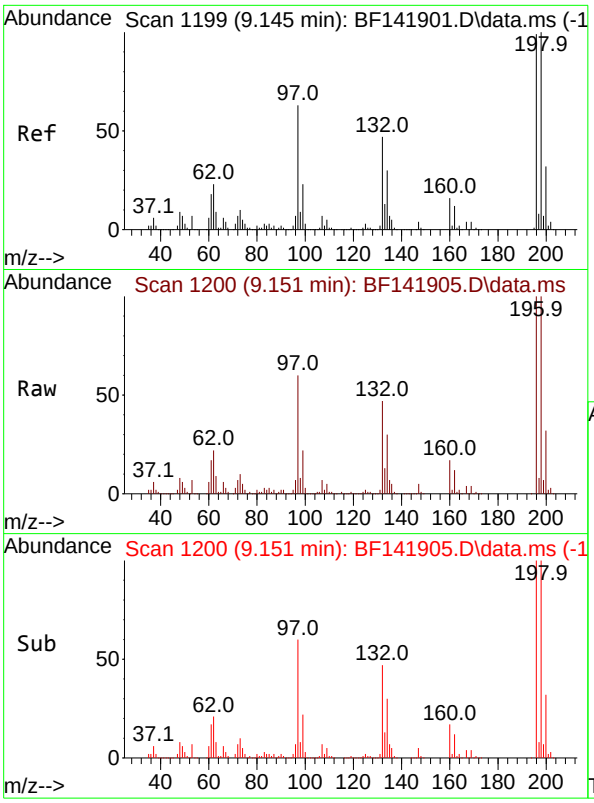


#42
2,4,6-Tribromophenol
Concen: 102.342 ng
RT: 10.710 min Scan# 1465
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:330 Resp: 625035

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.6	116.4
141	30.1	24.7	37.1



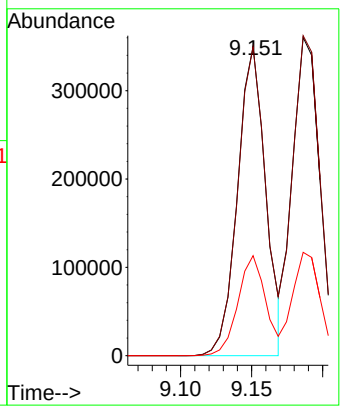


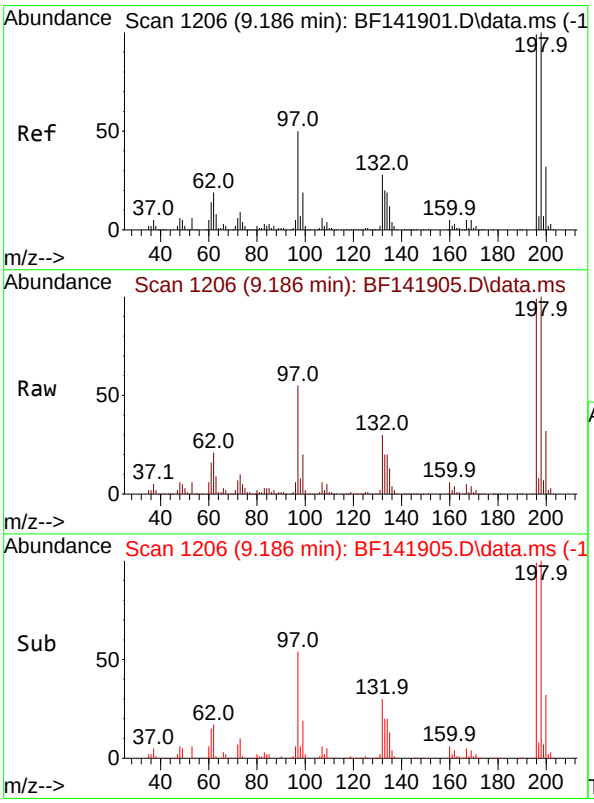
#43
2,4,6-Trichlorophenol
Concen: 50.291 ng
RT: 9.151 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:196 Resp: 481782

Ion	Ratio	Lower	Upper
196	100		
198	99.9	80.6	121.0
200	32.3	25.8	38.6

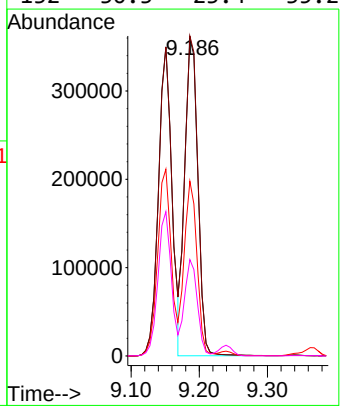


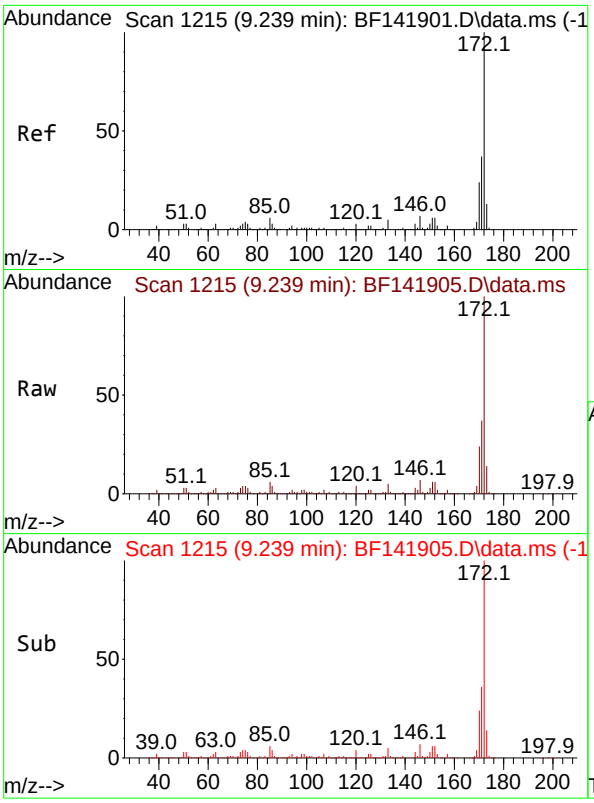


#44
2,4,5-Trichlorophenol
Concen: 49.580 ng
RT: 9.186 min Scan# 1206
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:196 Resp: 482570

Ion	Ratio	Lower	Upper
196	100		
198	100.5	80.7	121.1
97	54.9	42.1	63.1
132	30.3	23.4	35.2



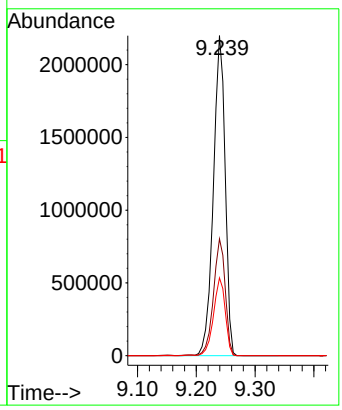


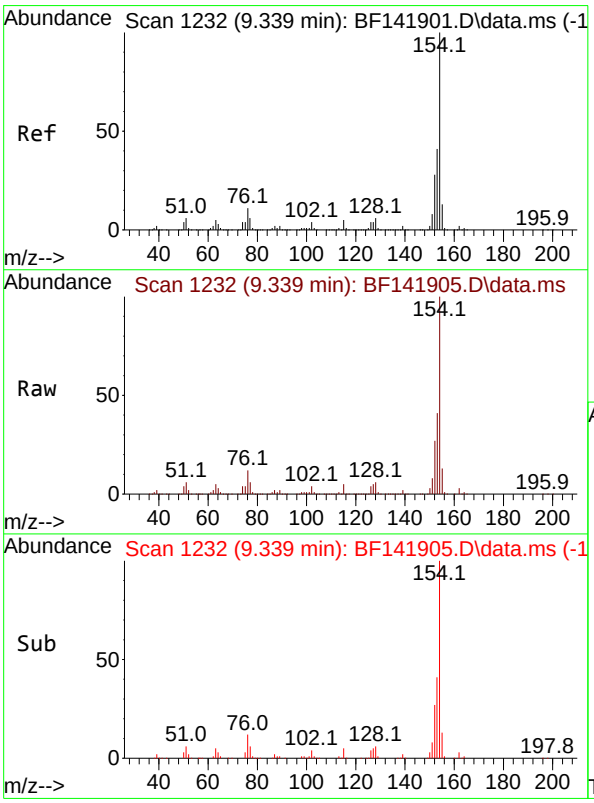
#45
2-Fluorobiphenyl
Concen: 96.836 ng
RT: 9.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:172 Resp: 3064989

Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.3	43.9
170	24.3	19.4	29.0

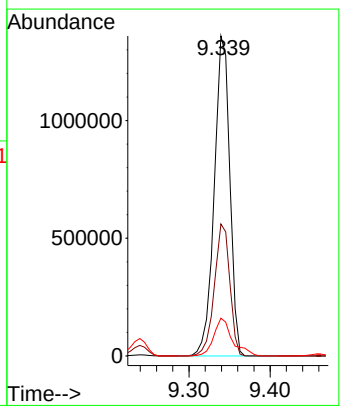


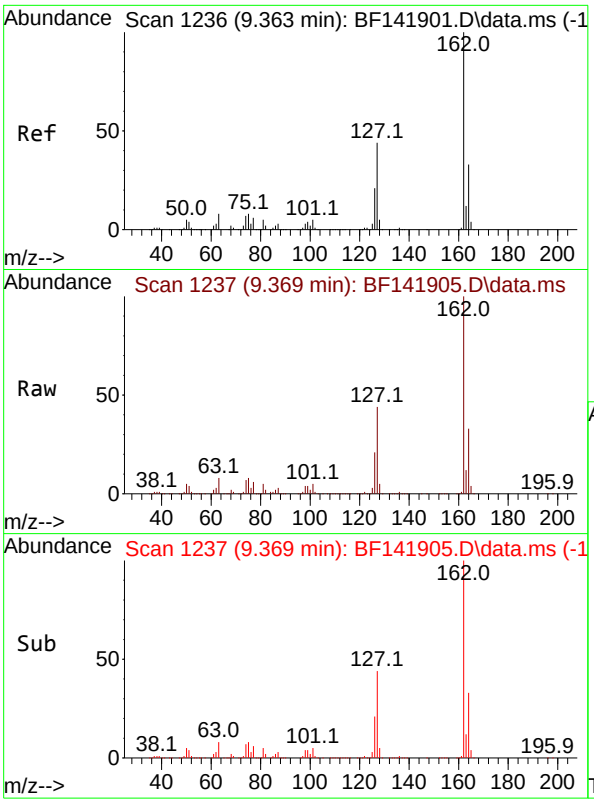


#46
1,1'-Biphenyl
Concen: 49.526 ng
RT: 9.339 min Scan# 1232
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:154 Resp: 1809746

Ion	Ratio	Lower	Upper
154	100		
153	41.3	21.1	61.1
76	11.8	0.0	31.3



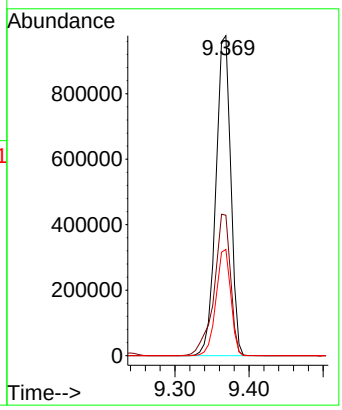


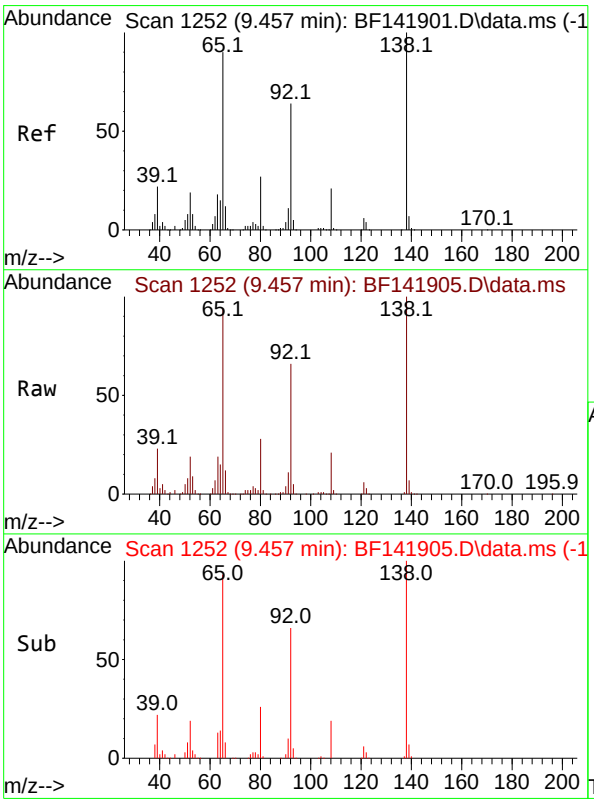
#47
2-Chloronaphthalene
Concen: 49.960 ng
RT: 9.369 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 1360528

Ion	Ratio	Lower	Upper
162	100		
127	43.9	35.5	53.3
164	33.2	26.6	40.0

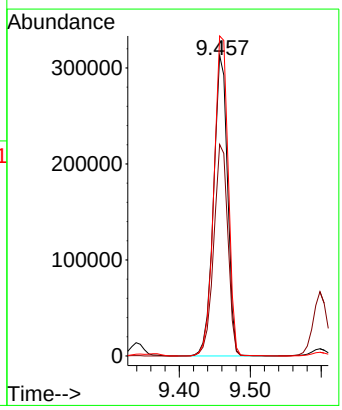


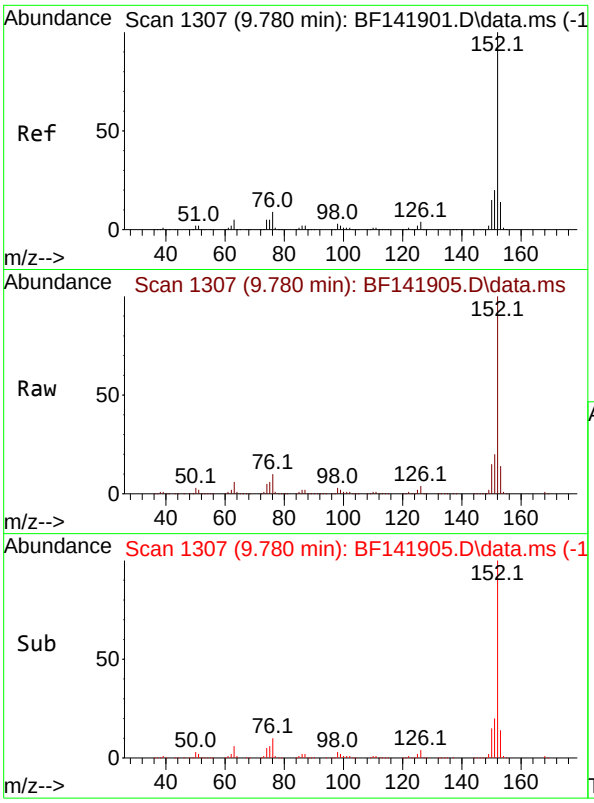


#48
2-Nitroaniline
Concen: 54.854 ng
RT: 9.457 min Scan# 1252
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion: 65 Resp: 429111

Ion	Ratio	Lower	Upper
65	100		
92	70.4	56.6	84.8
138	106.4	88.6	133.0



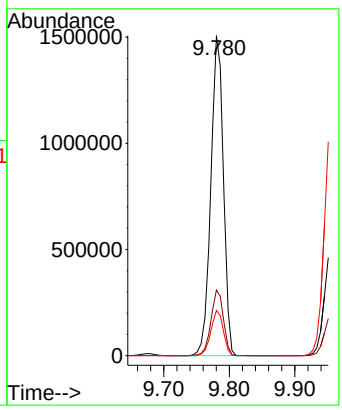


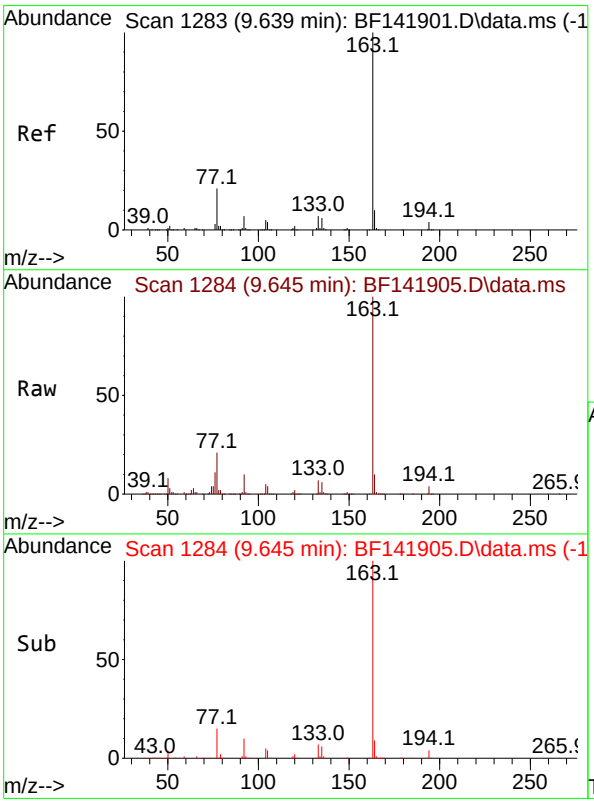
#49
Acenaphthylene
Concen: 49.674 ng
RT: 9.780 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 2005538

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.3	24.5
153	14.1	11.1	16.7

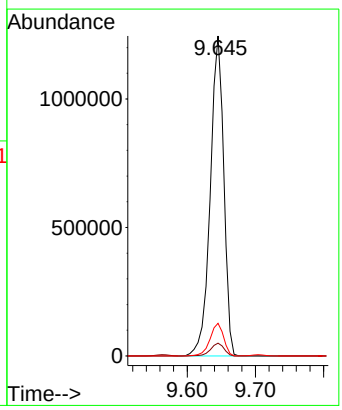


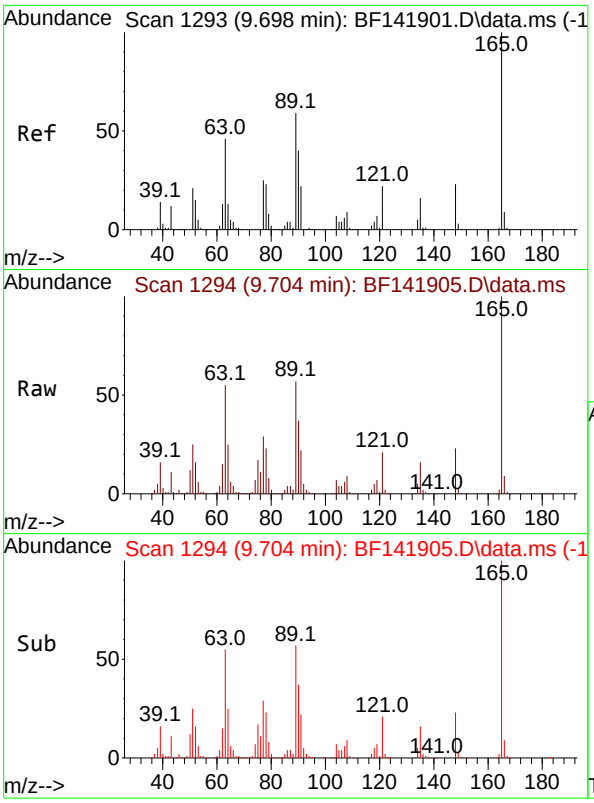


#50
Dimethylphthalate
Concen: 51.273 ng
RT: 9.645 min Scan# 1284
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:163 Resp: 1716995

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.1	4.7
164	10.2	8.2	12.4



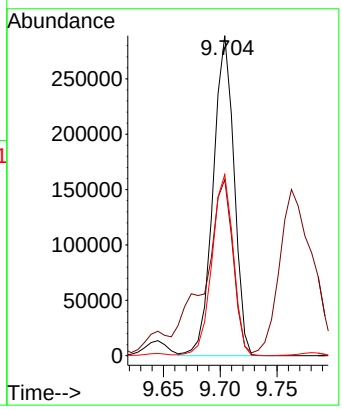


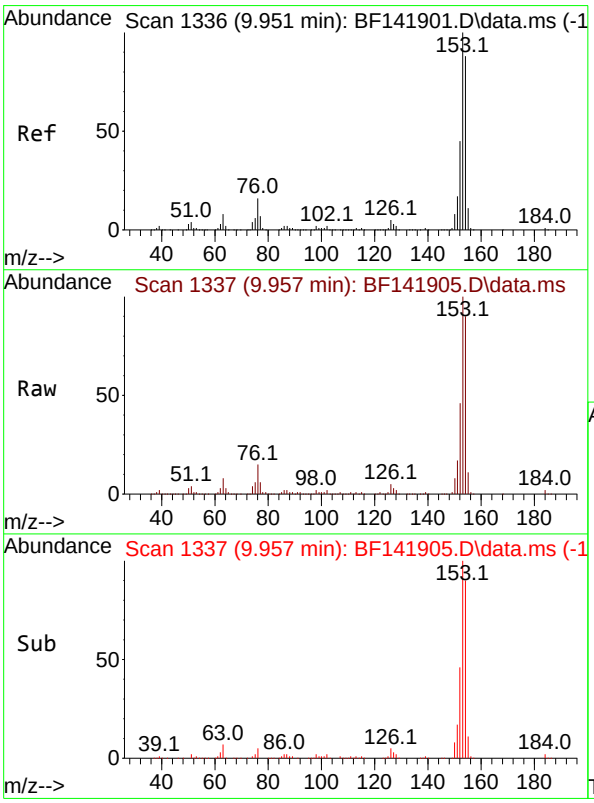
#51
2,6-Dinitrotoluene
Concen: 53.184 ng
RT: 9.704 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 370368

Ion	Ratio	Lower	Upper
165	100		
63	55.0	47.0	70.4
89	56.6	47.4	71.2

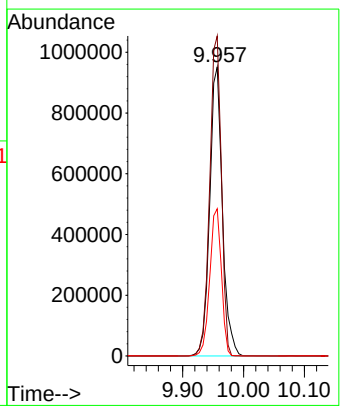


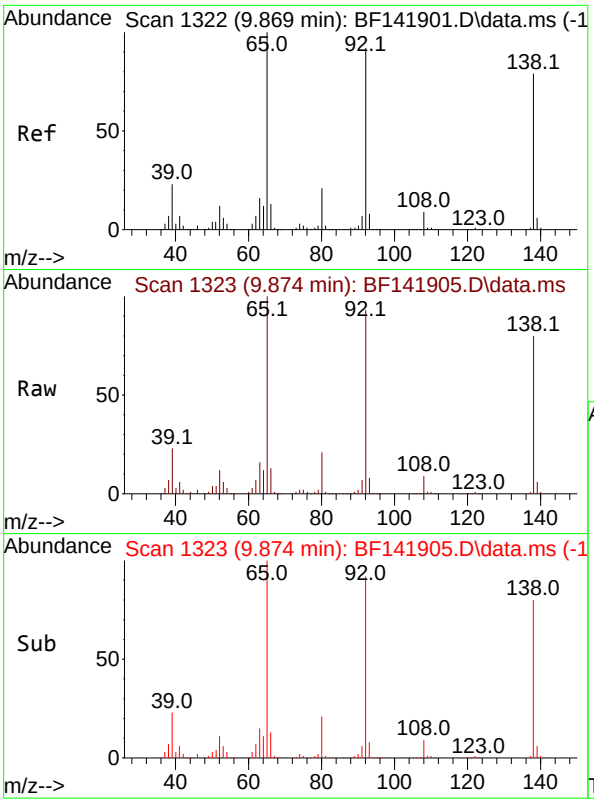


#52
Acenaphthene
Concen: 48.333 ng
RT: 9.957 min Scan# 1337
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:154 Resp: 1377901

Ion	Ratio	Lower	Upper
154	100		
153	110.7	90.7	136.1
152	51.0	41.1	61.7



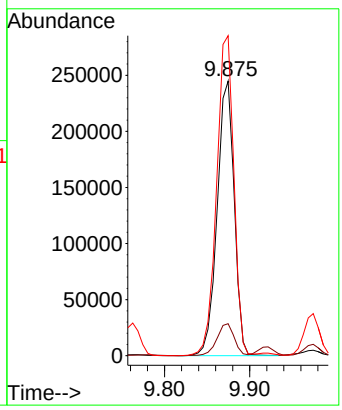


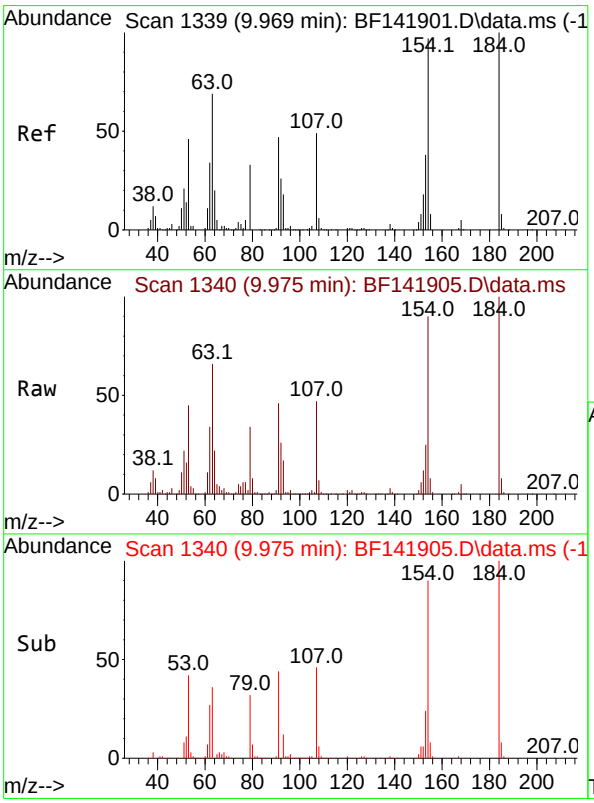
#53
3-Nitroaniline
Concen: 47.638 ng
RT: 9.874 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:138 Resp: 340633

Ion	Ratio	Lower	Upper
138	100		
108	11.6	9.3	13.9
92	116.5	93.5	140.3

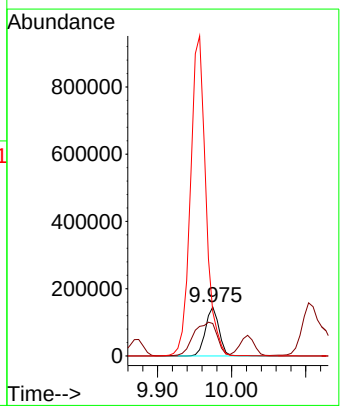


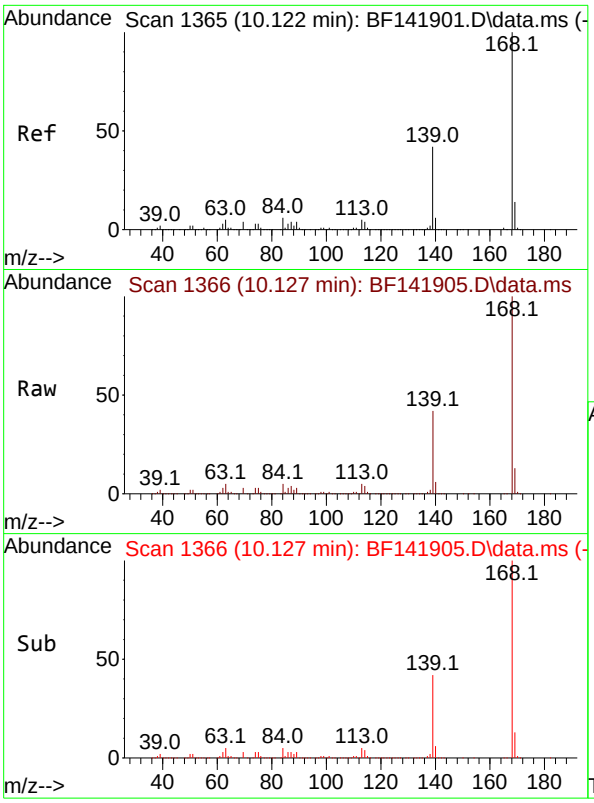


#54
2,4-Dinitrophenol
Concen: 49.104 ng
RT: 9.975 min Scan# 1340
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:184 Resp: 184410

Ion	Ratio	Lower	Upper
184	100		
63	66.3	60.2	90.4
154	90.1	132.9	199.3#



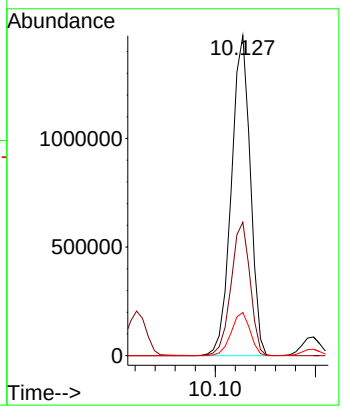


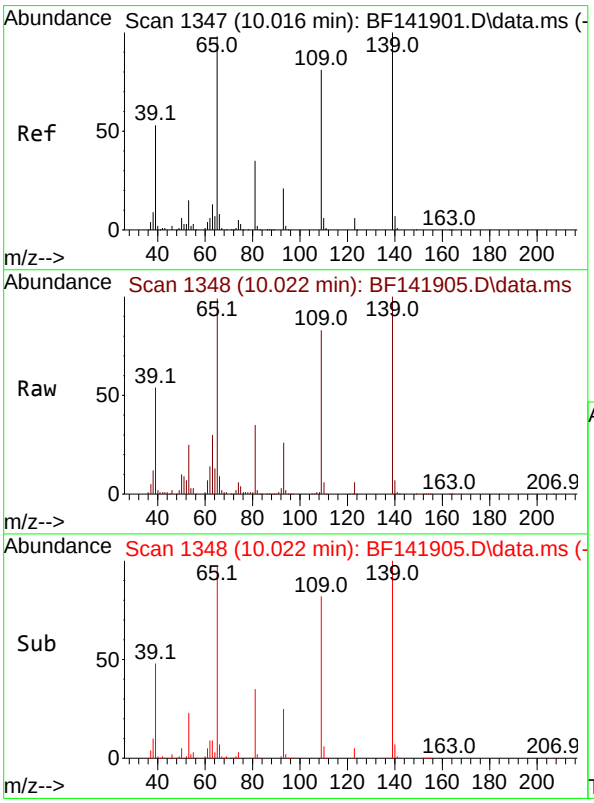
#55
Dibenzofuran
Concen: 47.647 ng
RT: 10.127 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:168 Resp: 1936780

Ion	Ratio	Lower	Upper
168	100		
139	41.7	33.9	50.9
169	13.5	11.0	16.4

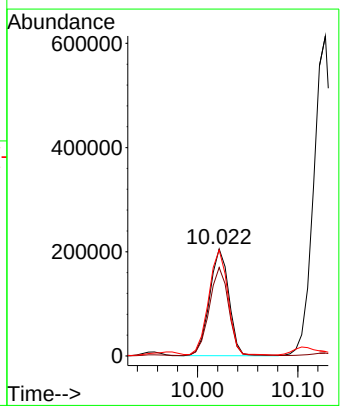


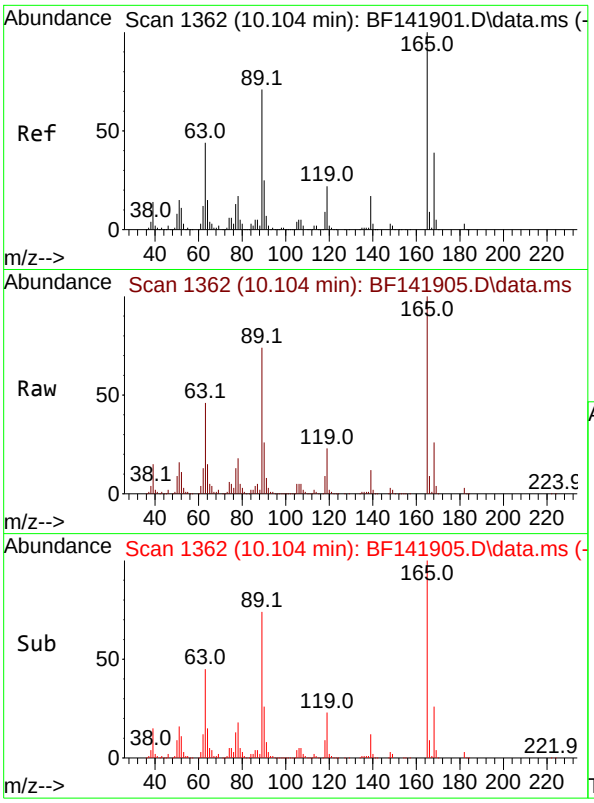


#56
4-Nitrophenol
Concen: 51.474 ng
RT: 10.022 min Scan# 1348
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:139 Resp: 276487

Ion	Ratio	Lower	Upper
139	100		
109	82.6	61.6	101.6
65	99.1	79.4	119.4



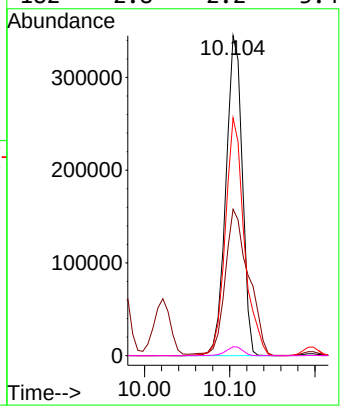


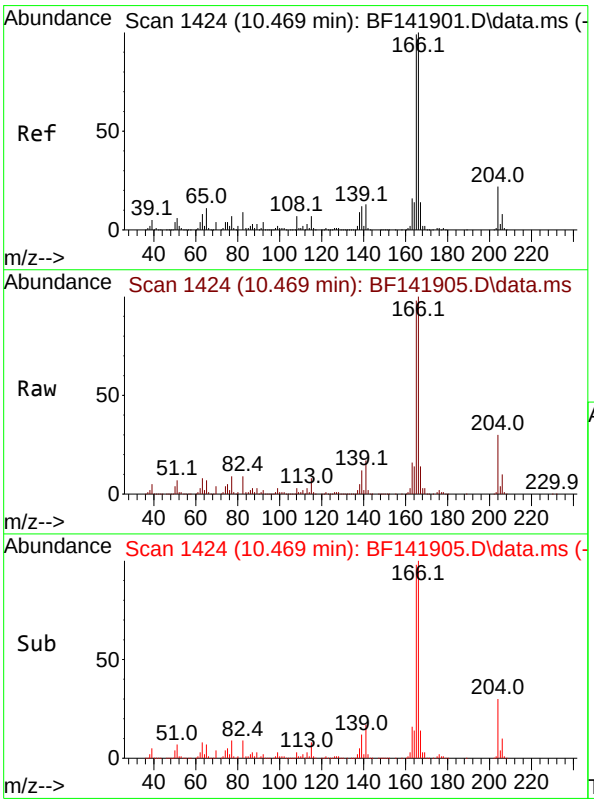
#57
2,4-Dinitrotoluene
Concen: 50.321 ng
RT: 10.104 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 461276

Ion	Ratio	Lower	Upper
165	100		
63	45.8	35.4	53.2
89	74.3	56.6	84.8
182	2.8	2.2	3.4

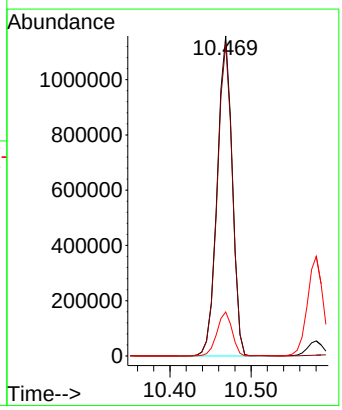


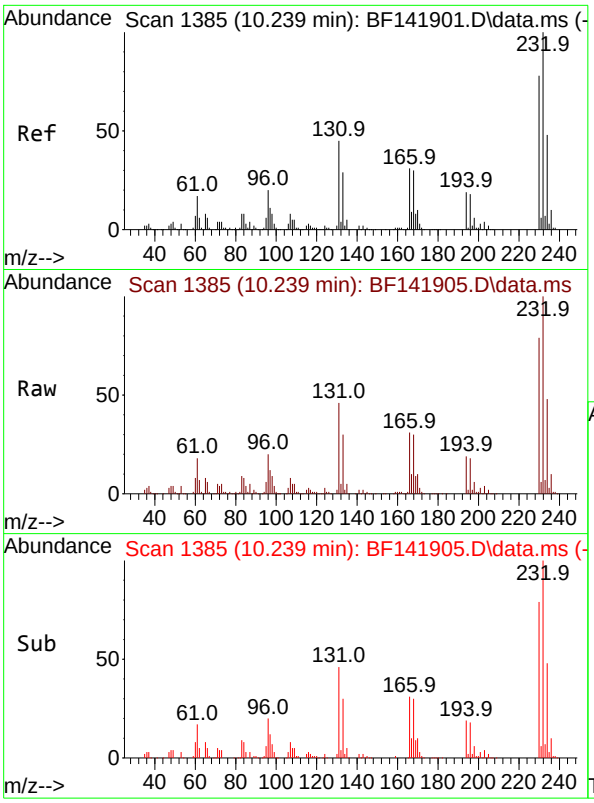


#58
Fluorene
Concen: 47.708 ng
RT: 10.469 min Scan# 1424
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:166 Resp: 1497123

Ion	Ratio	Lower	Upper
166	100		
165	97.6	79.0	118.4
167	13.7	11.0	16.4



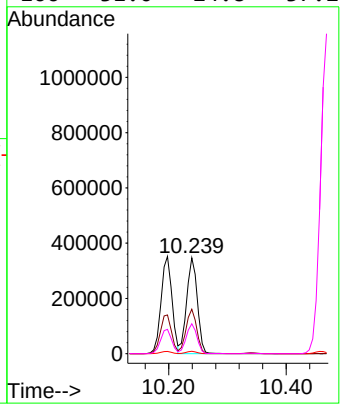


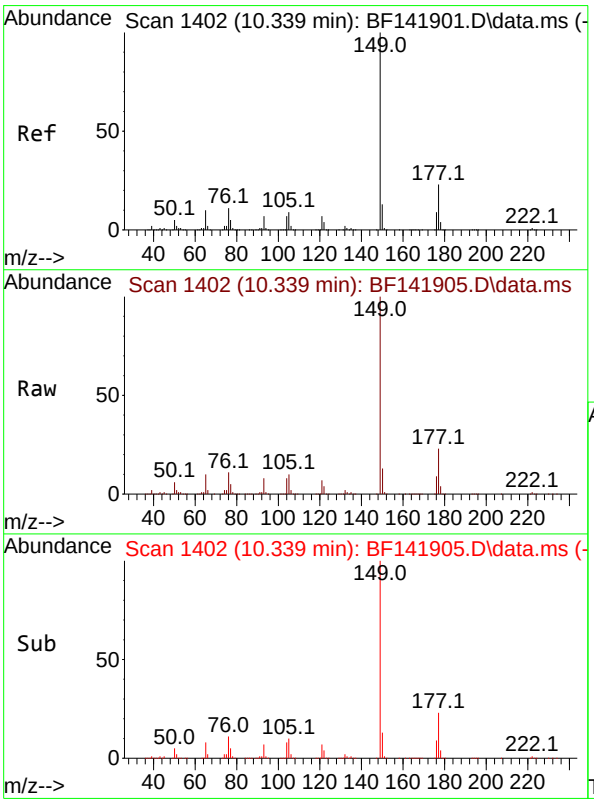
#59
2,3,4,6-Tetrachlorophenol
Concen: 49.600 ng
RT: 10.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:232 Resp: 438025

Ion	Ratio	Lower	Upper
232	100		
131	46.2	37.3	55.9
130	2.4	1.9	2.9
166	31.0	24.8	37.2

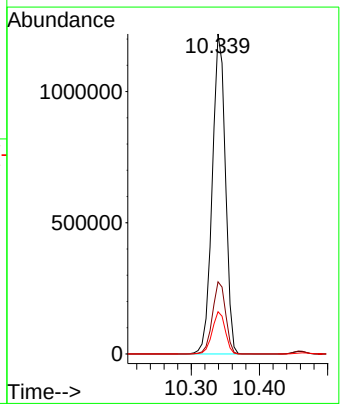


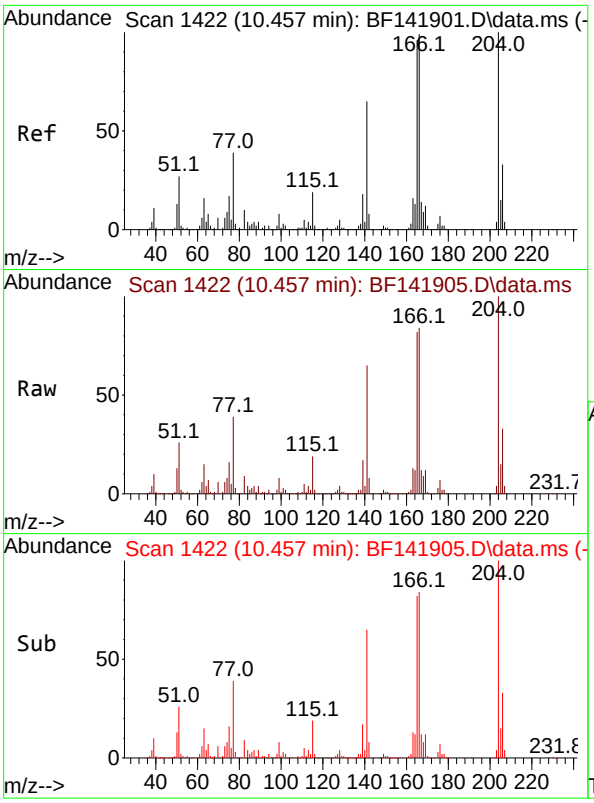


#60
Diethylphthalate
Concen: 48.639 ng
RT: 10.339 min Scan# 1402
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:149 Resp: 1635073

Ion	Ratio	Lower	Upper
149	100		
177	22.5	18.0	27.0
150	13.2	10.2	15.4



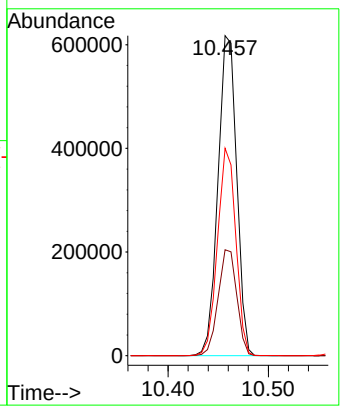


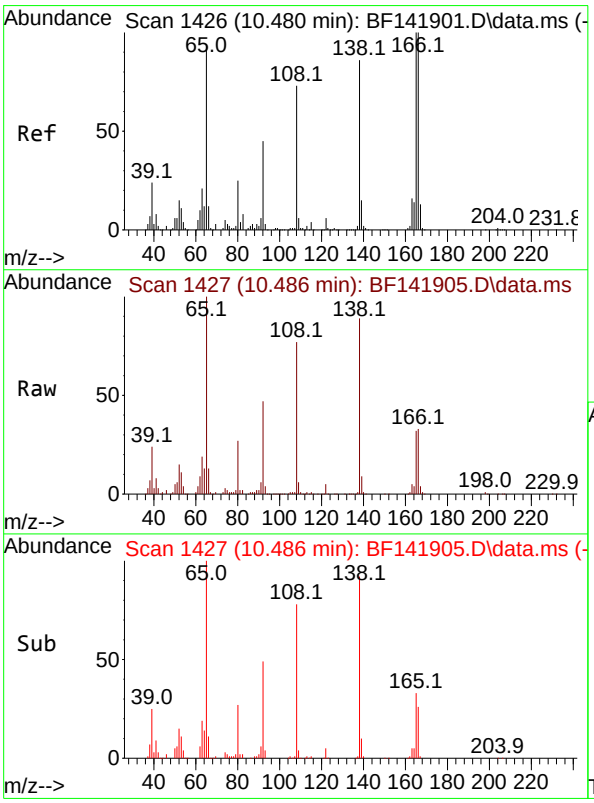
#61
4-Chlorophenyl-phenylether
Concen: 48.929 ng
RT: 10.457 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 799744

Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.8	40.2
141	64.8	52.4	78.6

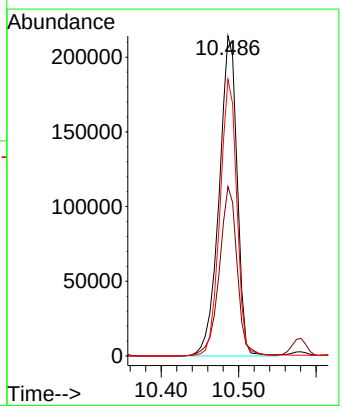


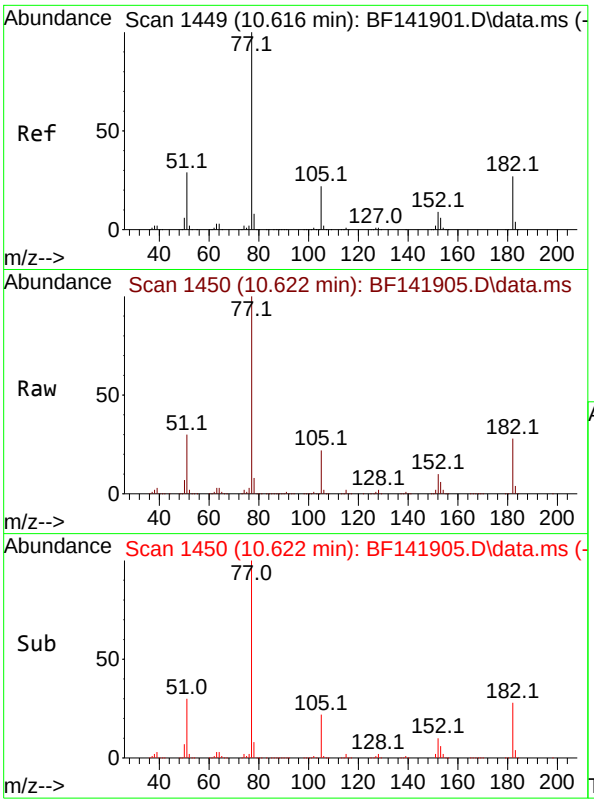


#62
4-Nitroaniline
Concen: 49.990 ng
RT: 10.486 min Scan# 1427
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:138 Resp: 346378

Ion	Ratio	Lower	Upper
138	100		
92	52.9	32.6	72.6
108	86.4	65.0	105.0



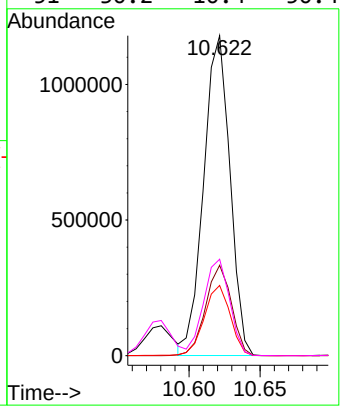


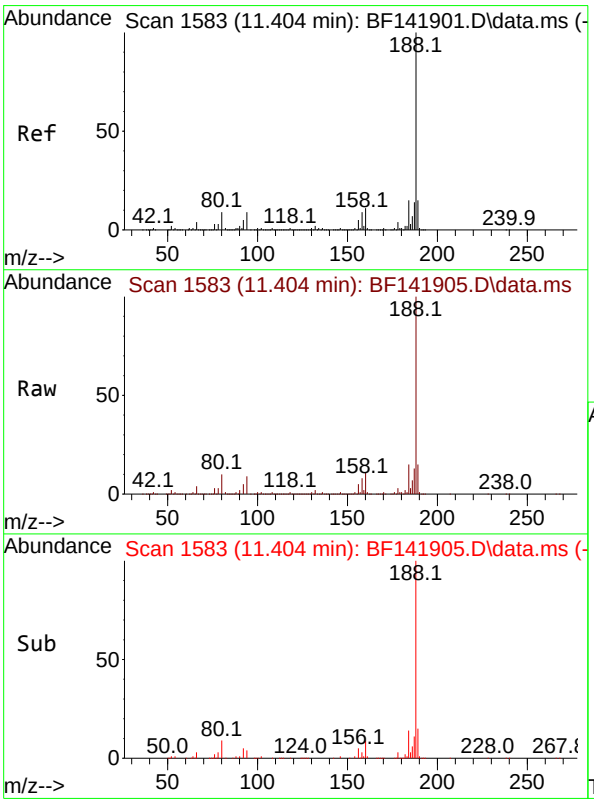
#63
Azobenzene
Concen: 48.653 ng
RT: 10.622 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 1519356

Ion	Ratio	Lower	Upper
77	100		
182	28.3	6.6	46.6
105	22.0	1.3	41.3
51	30.2	10.4	50.4

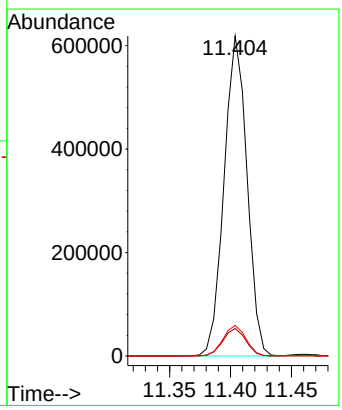


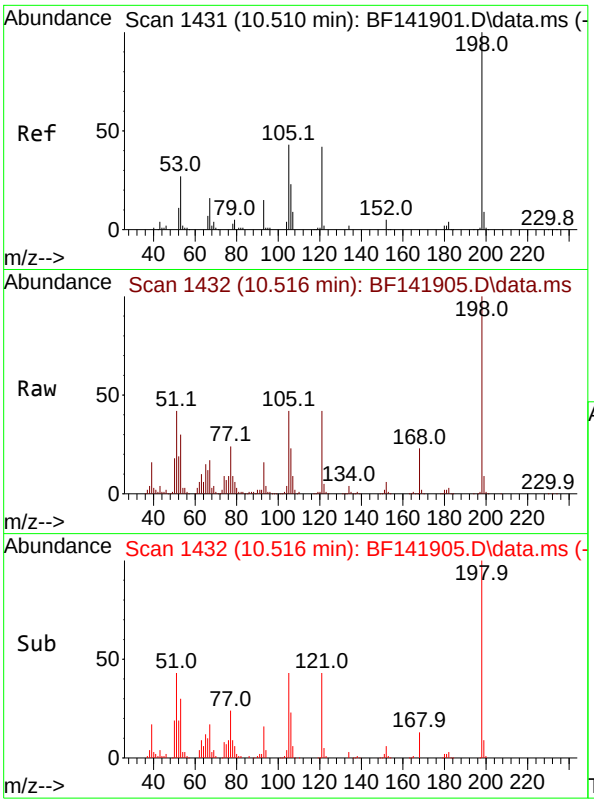


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:188 Resp: 811142

Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.8	10.2
80	9.6	7.6	11.4



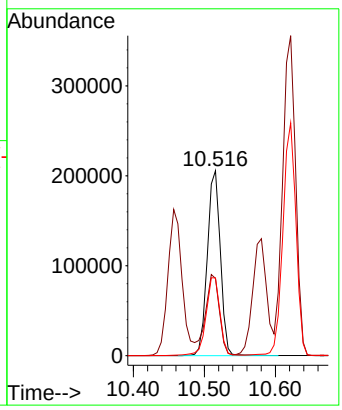


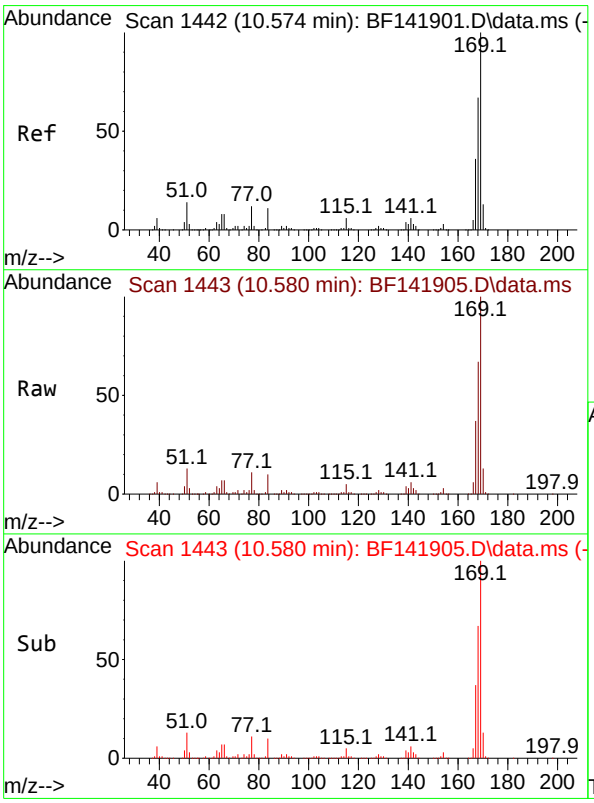
#65
4,6-Dinitro-2-methylphenol
Concen: 54.673 ng
RT: 10.516 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 262910

Ion	Ratio	Lower	Upper
198	100		
51	41.7	22.3	62.3
105	42.0	23.0	63.0

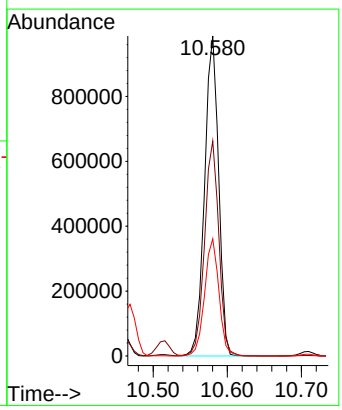


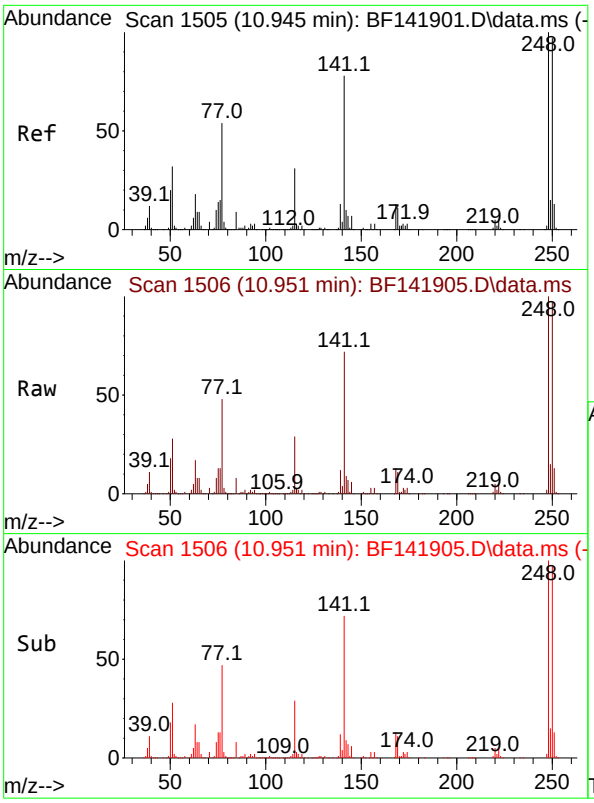


#66
n-Nitrosodiphenylamine
Concen: 49.373 ng
RT: 10.580 min Scan# 1443
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:169 Resp: 1293745

Ion	Ratio	Lower	Upper
169	100		
168	67.2	53.7	80.5
167	36.6	29.2	43.8



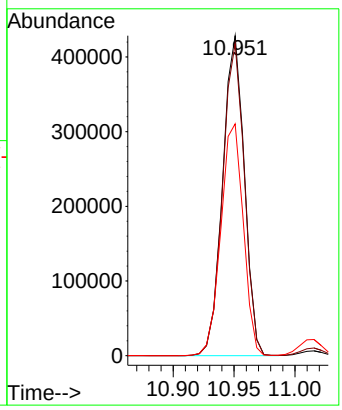


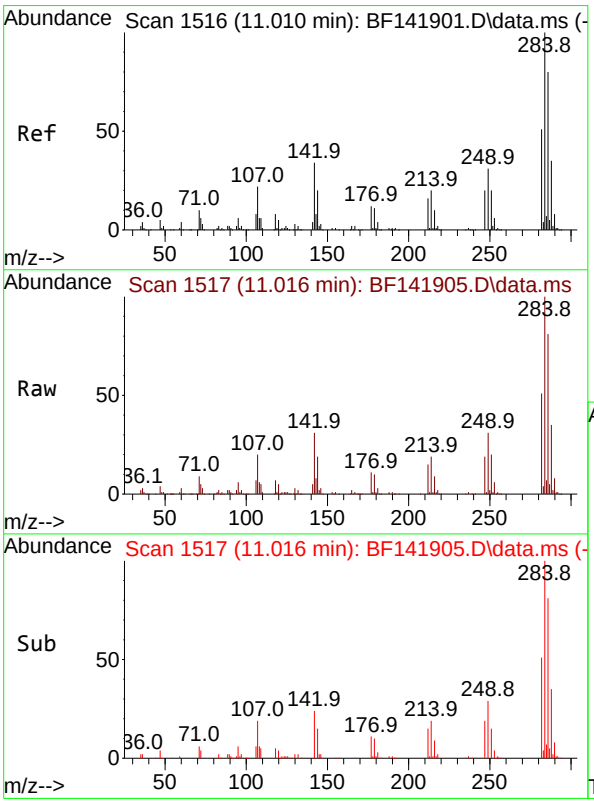
#67
4-Bromophenyl-phenylether
Concen: 52.740 ng
RT: 10.951 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:248 Resp: 532762

Ion	Ratio	Lower	Upper
248	100		
250	97.5	77.8	116.8
141	72.5	62.6	93.8

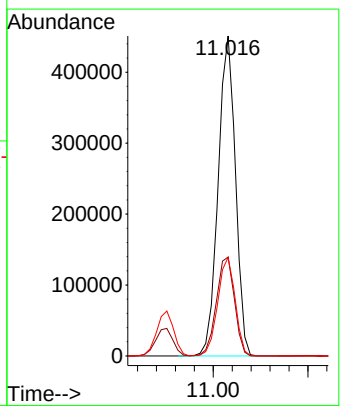


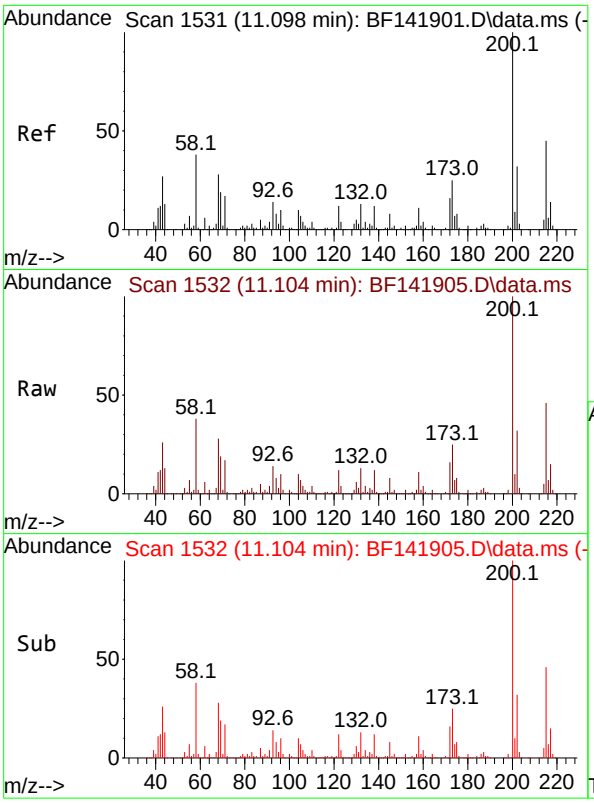


#68
Hexachlorobenzene
Concen: 51.359 ng
RT: 11.016 min Scan# 1517
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:284 Resp: 573467

Ion	Ratio	Lower	Upper
284	100		
142	30.9	27.0	40.6
249	30.8	25.2	37.8



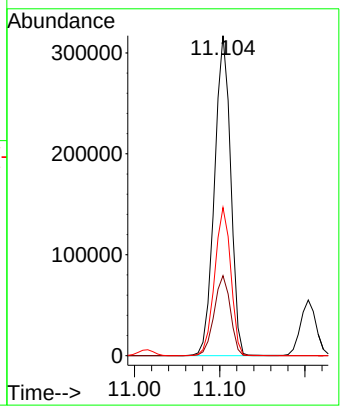


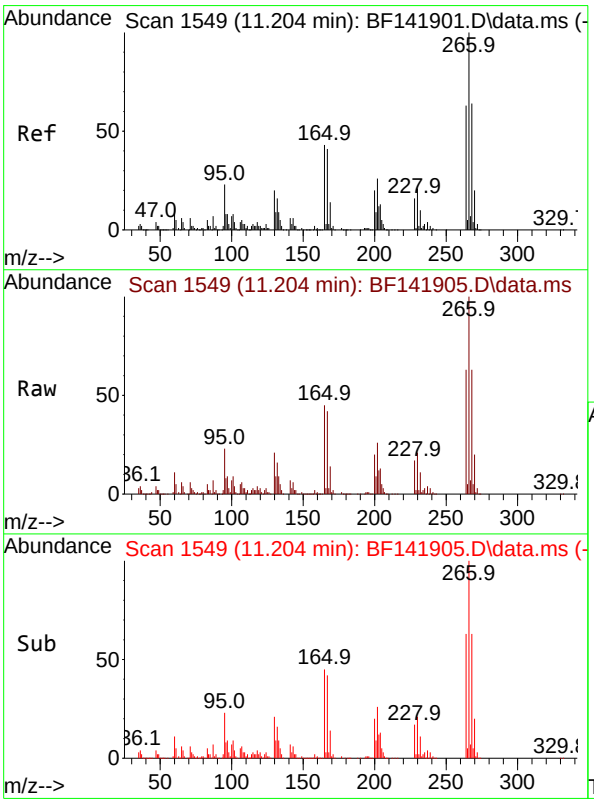
#69
Atrazine
Concen: 65.441 ng
RT: 11.104 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:200 Resp: 418147

Ion	Ratio	Lower	Upper
200	100		
173	25.0	4.7	44.7
215	46.3	25.4	65.4

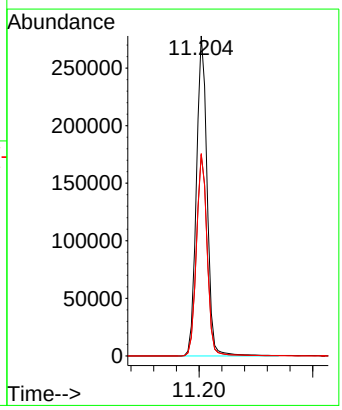


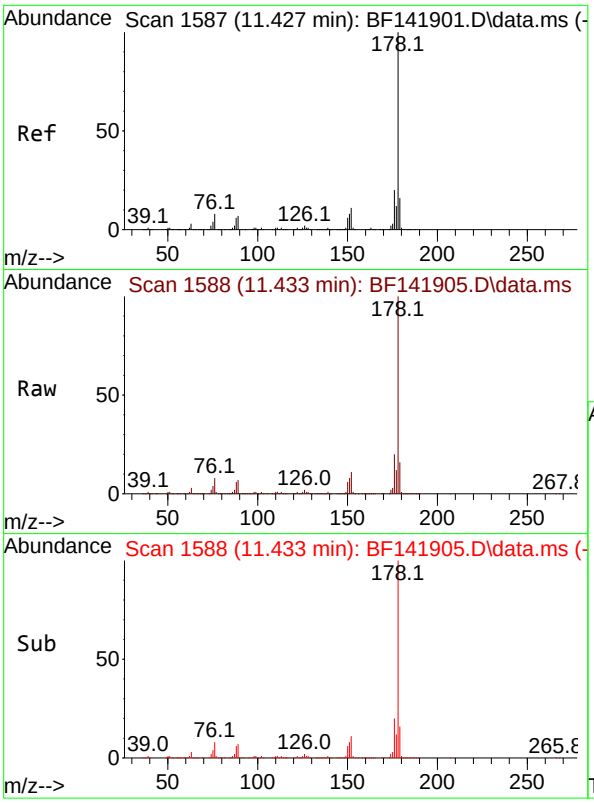


#70
Pentachlorophenol
Concen: 53.050 ng
RT: 11.204 min Scan# 1549
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:266 Resp: 365292

Ion	Ratio	Lower	Upper
266	100		
268	62.9	51.0	76.6
264	63.3	50.2	75.2



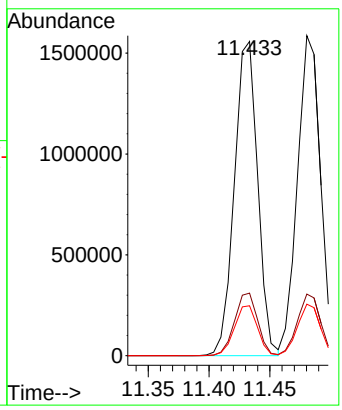


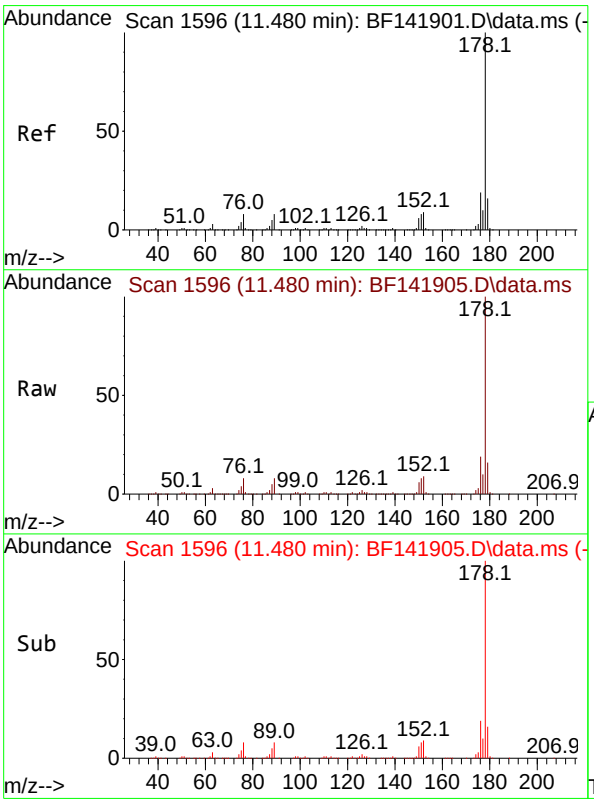
#71
Phenanthrene
Concen: 47.434 ng
RT: 11.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 2080633

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.8
179	15.9	12.6	19.0

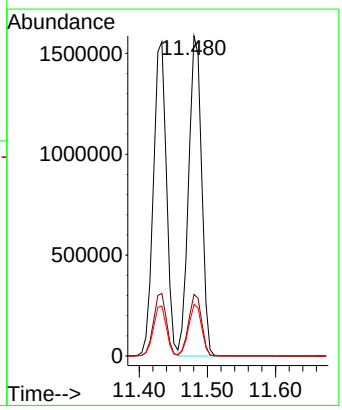


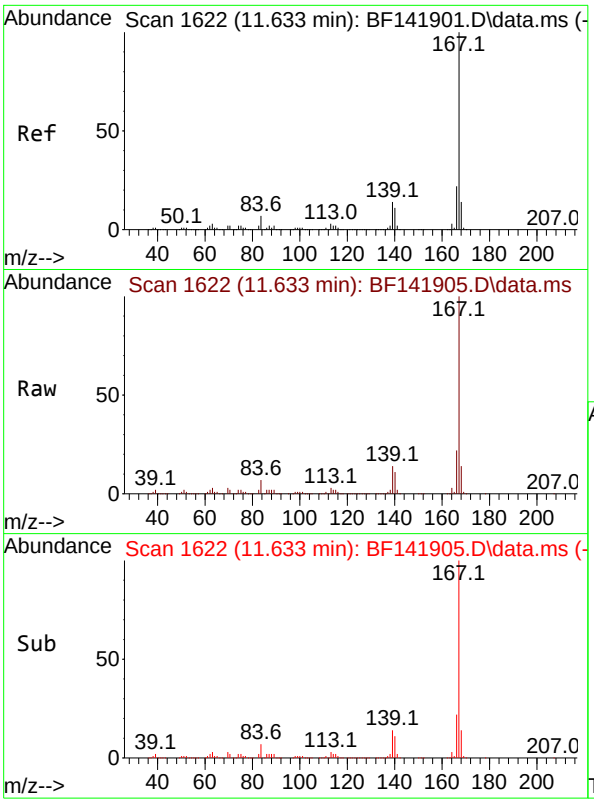


#72
Anthracene
Concen: 47.299 ng
RT: 11.480 min Scan# 1596
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:178 Resp: 2081490

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.1	22.7
179	16.1	12.6	19.0



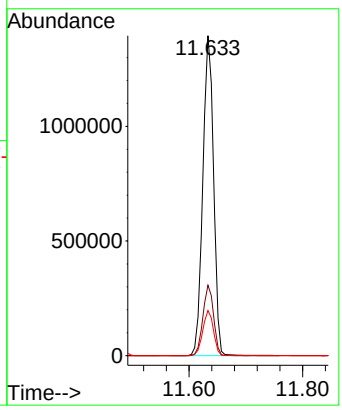


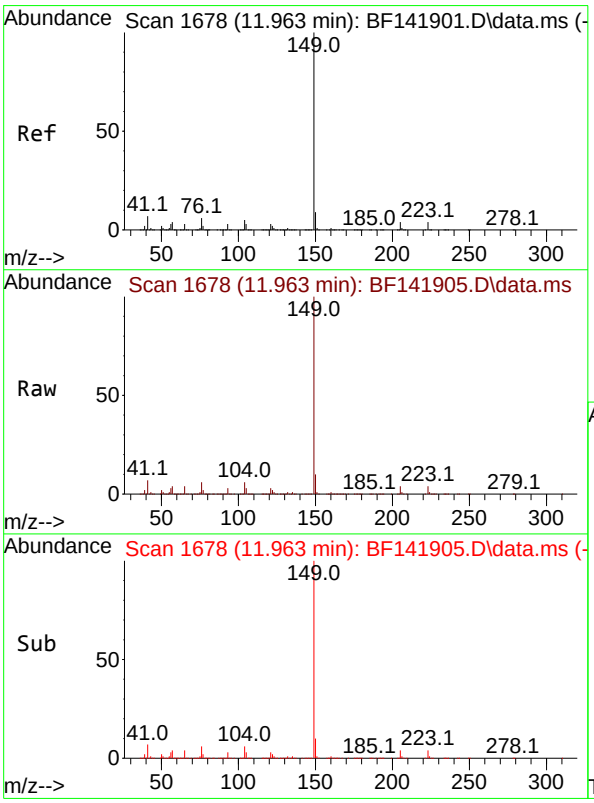
#73
Carbazole
Concen: 48.338 ng
RT: 11.633 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:167 Resp: 1831424

Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.4	26.2
139	14.1	11.0	16.6

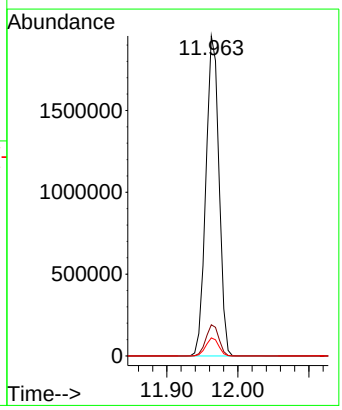


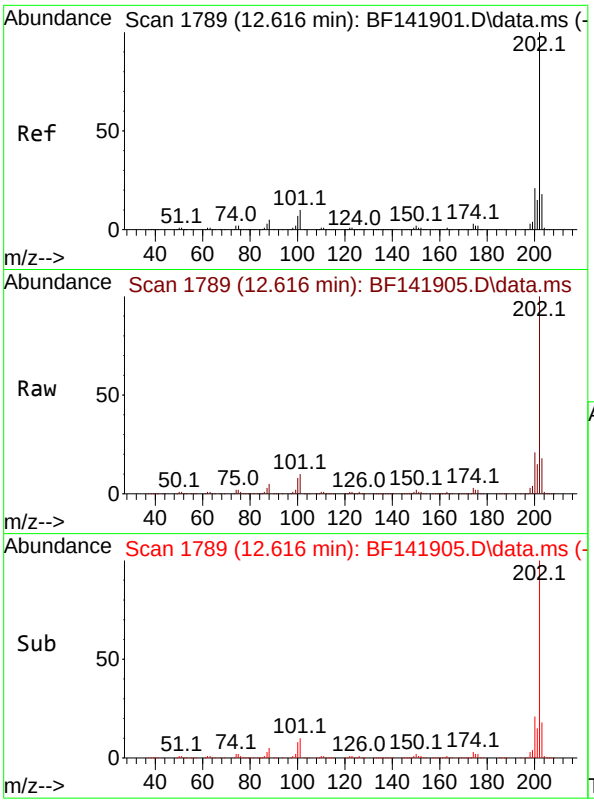


#74
Di-n-butylphthalate
Concen: 50.185 ng
RT: 11.963 min Scan# 1678
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:149 Resp: 2510447

Ion	Ratio	Lower	Upper
149	100		
150	9.8	7.6	11.4
104	5.6	4.4	6.6



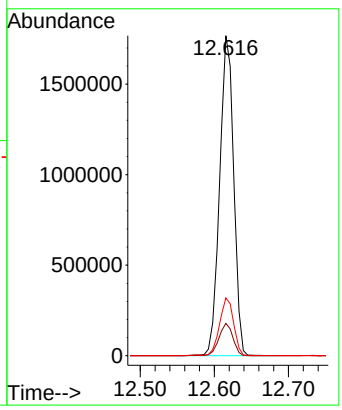


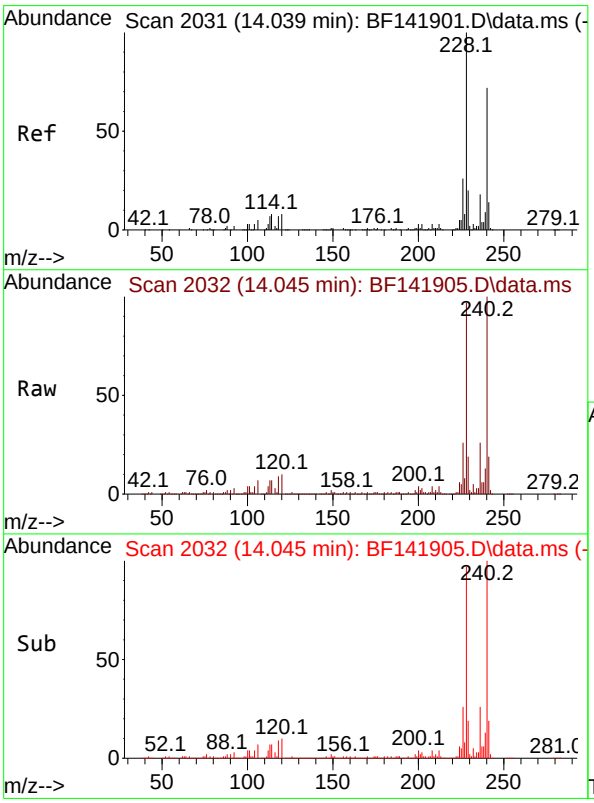
#75
Fluoranthene
Concen: 50.564 ng
RT: 12.616 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:202 Resp: 2328357

Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	29.7
203	18.1	0.0	37.8

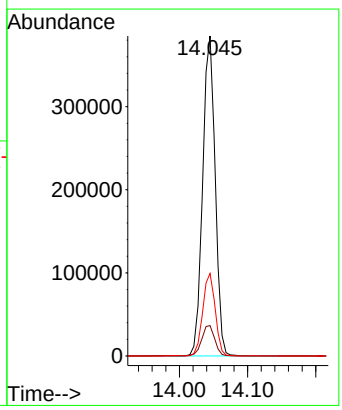


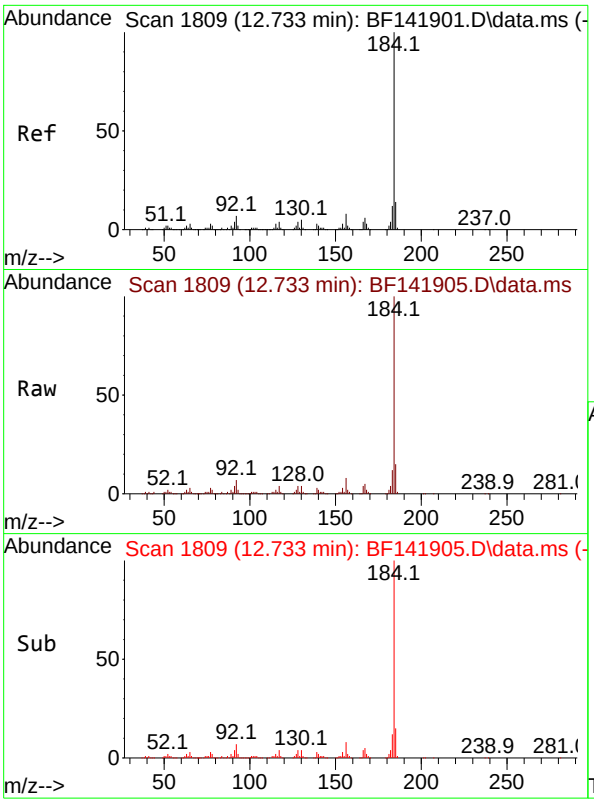


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2032
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:240 Resp: 491943

Ion	Ratio	Lower	Upper
240	100		
120	9.5	8.4	12.6
236	25.8	20.5	30.7



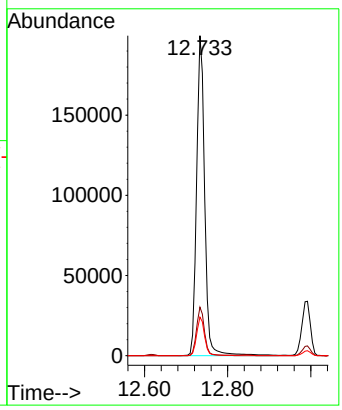


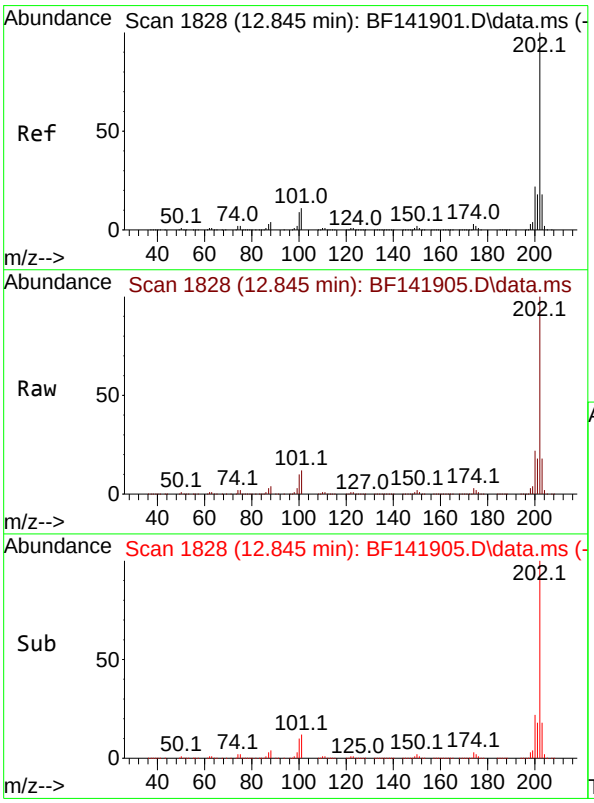
#77
Benzidine
Concen: 38.966 ng
RT: 12.733 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:184 Resp: 270893

Ion	Ratio	Lower	Upper
184	100		
185	15.1	11.5	17.3
183	12.0	9.7	14.5

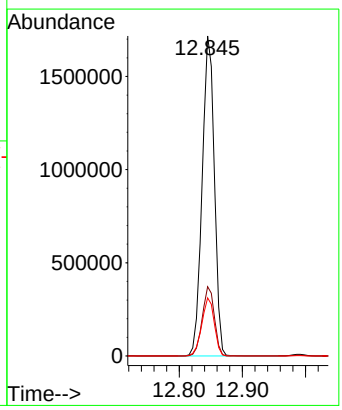


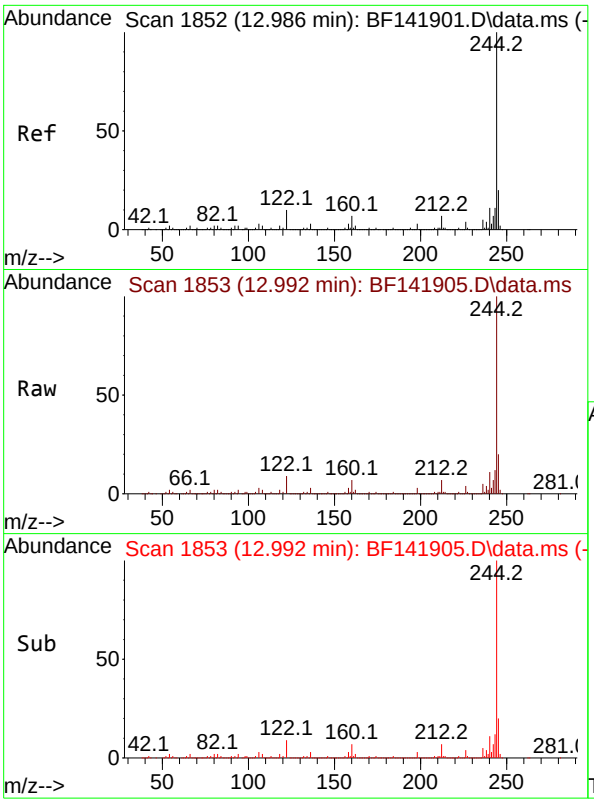


#78
Pyrene
Concen: 54.723 ng
RT: 12.845 min Scan# 1828
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:202 Resp: 2308671

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.3	25.9
203	18.2	14.4	21.6



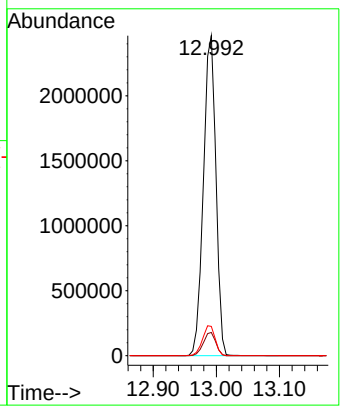


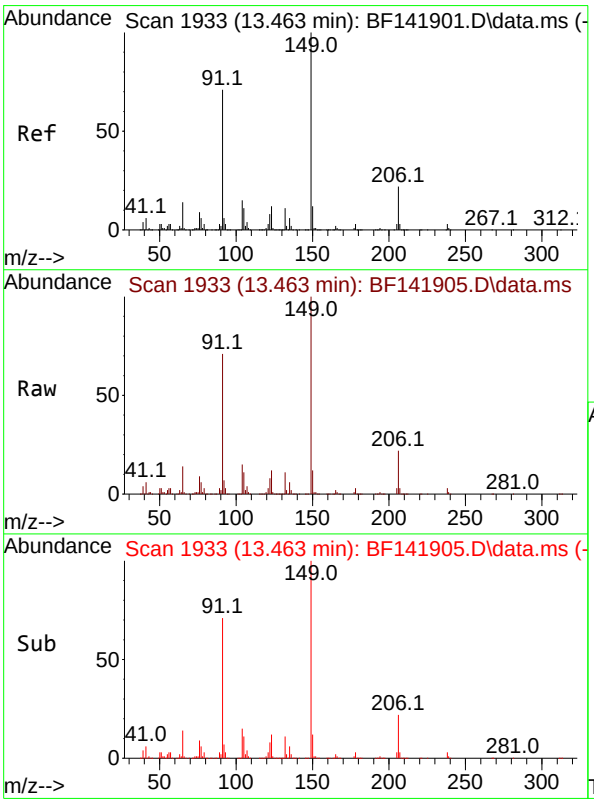
#79
Terphenyl-d14
Concen: 102.007 ng
RT: 12.992 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:244 Resp: 3394803

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.0	9.0
122	9.2	7.7	11.5

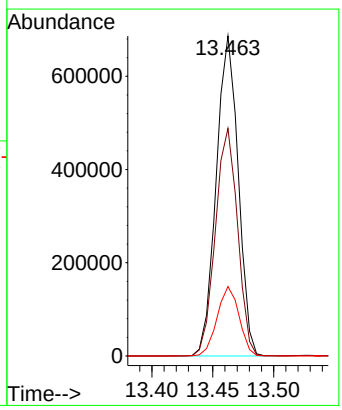


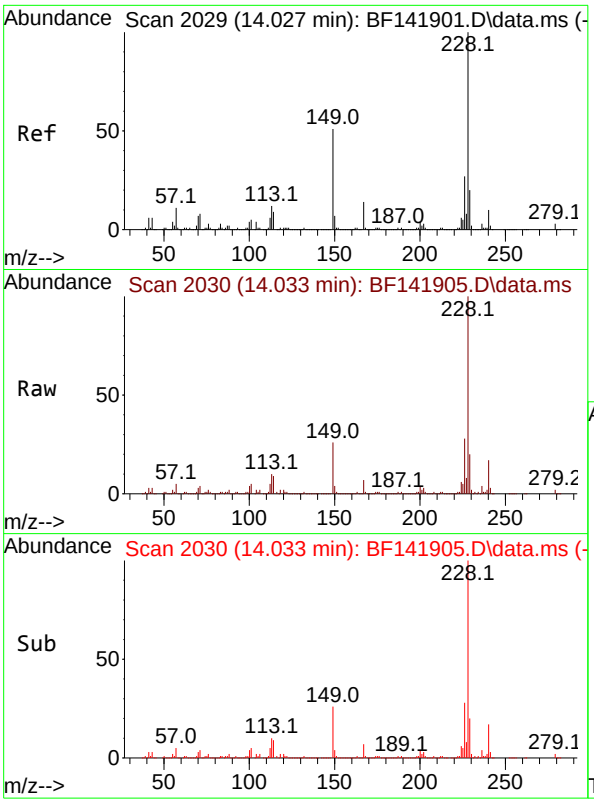


#80
Butylbenzylphthalate
Concen: 52.022 ng
RT: 13.463 min Scan# 1933
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:149 Resp: 864849

Ion	Ratio	Lower	Upper
149	100		
91	71.1	56.5	84.7
206	21.7	17.3	25.9



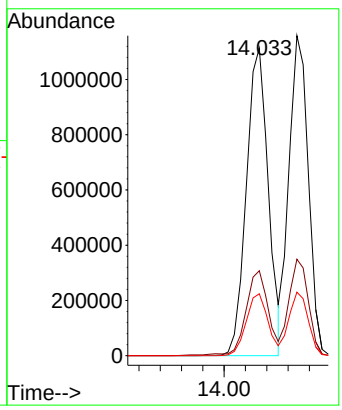


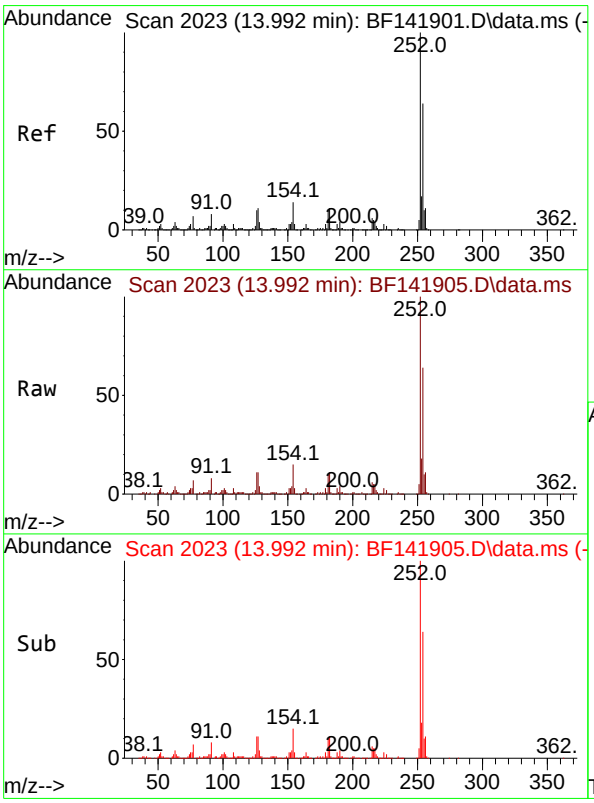
#81
Benzo(a)anthracene
Concen: 49.192 ng
RT: 14.033 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 1592035

Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.8	32.8
229	20.1	16.0	24.0

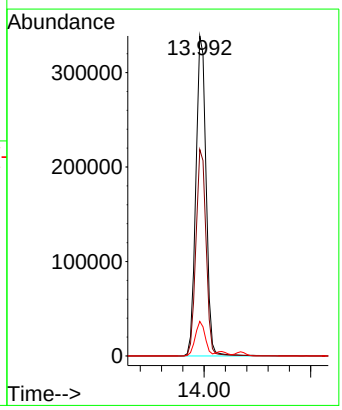


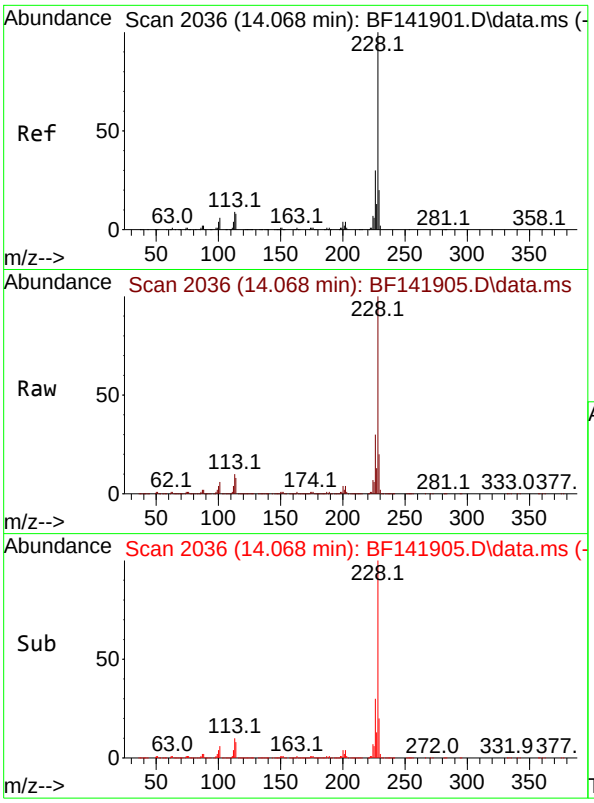


#82
3,3'-Dichlorobenzidine
Concen: 48.044 ng
RT: 13.992 min Scan# 2023
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:252 Resp: 449408

Ion	Ratio	Lower	Upper
252	100		
254	64.5	51.0	76.6
126	10.8	8.4	12.6



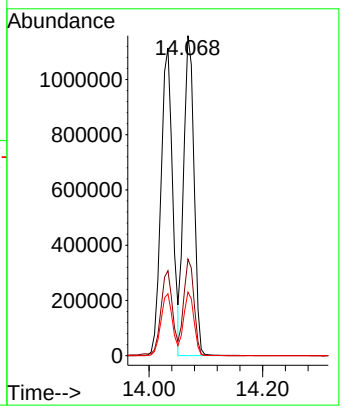


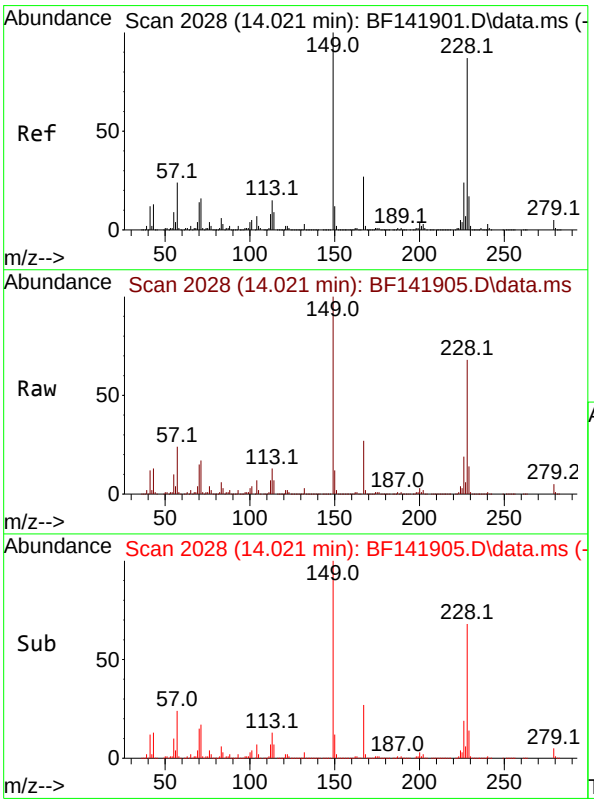
#83
Chrysene
Concen: 50.404 ng
RT: 14.068 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 1465389

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.1	36.1
229	19.9	15.7	23.5

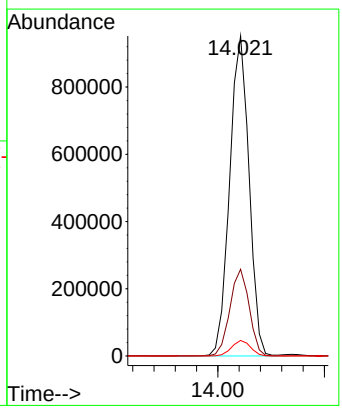


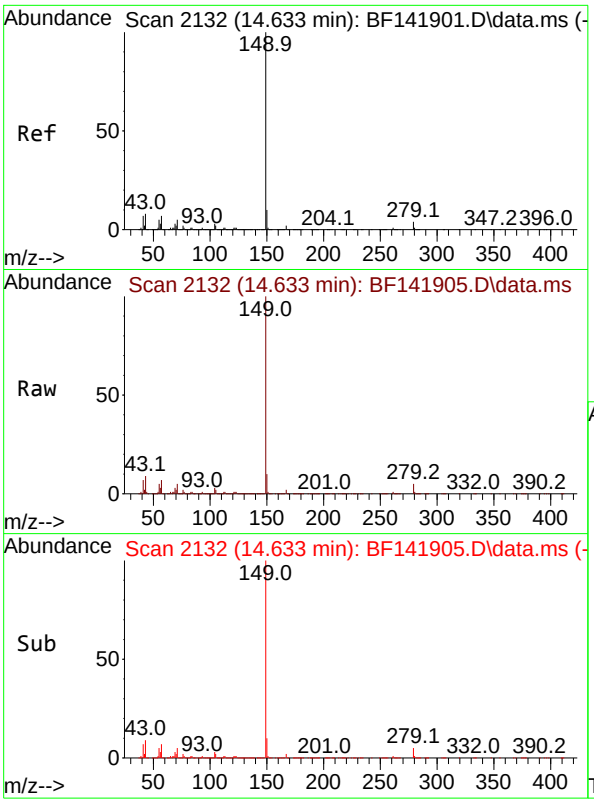


#84
Bis(2-ethylhexyl)phthalate
Concen: 52.747 ng
RT: 14.021 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:149 Resp: 1203021

Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.4	32.0
279	4.9	3.8	5.6



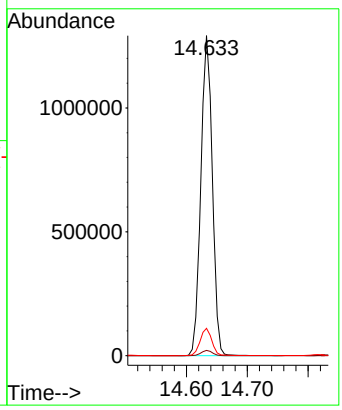


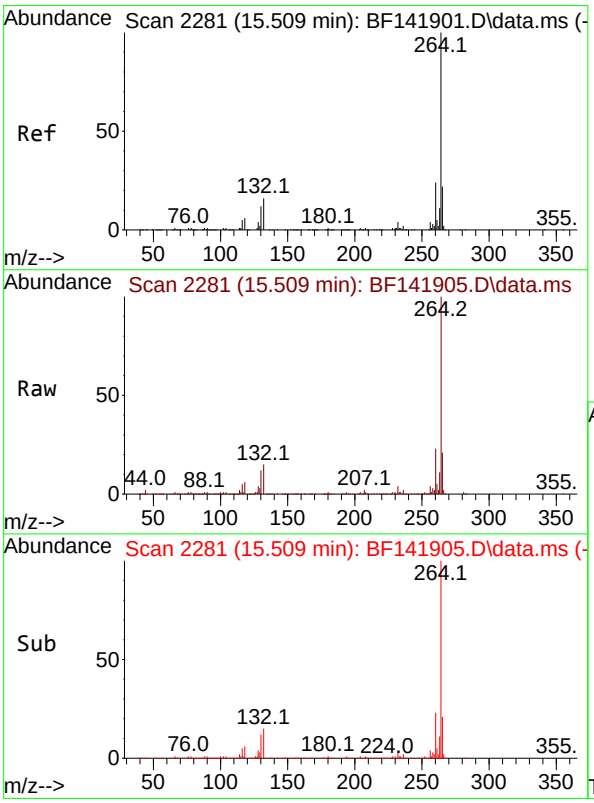
#85
Di-n-octyl phthalate
Concen: 53.307 ng
RT: 14.633 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 1692206

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.7	6.9	10.3

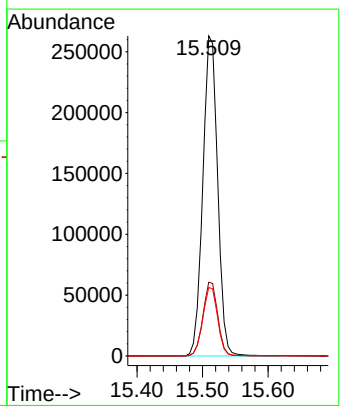


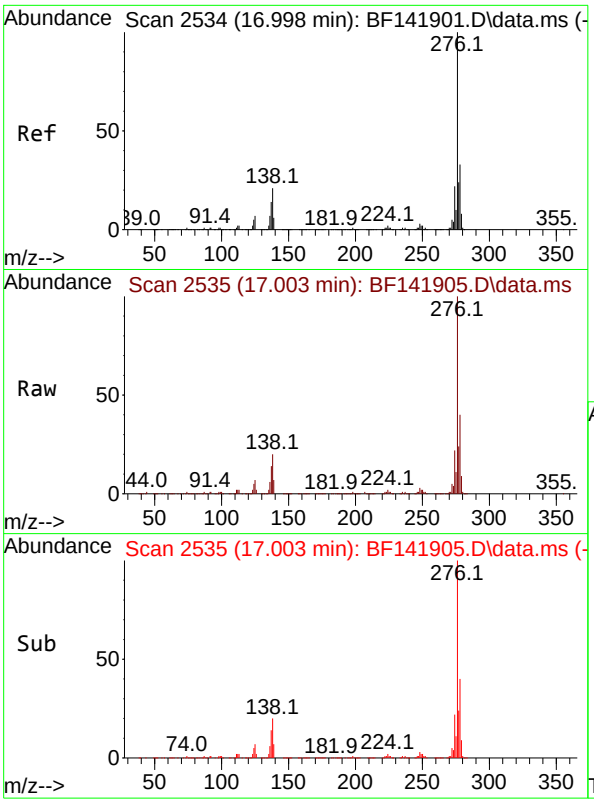


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 2281
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:264 Resp: 413564

Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.1	28.7
265	21.4	17.5	26.3



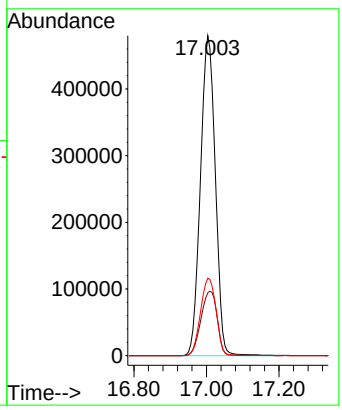


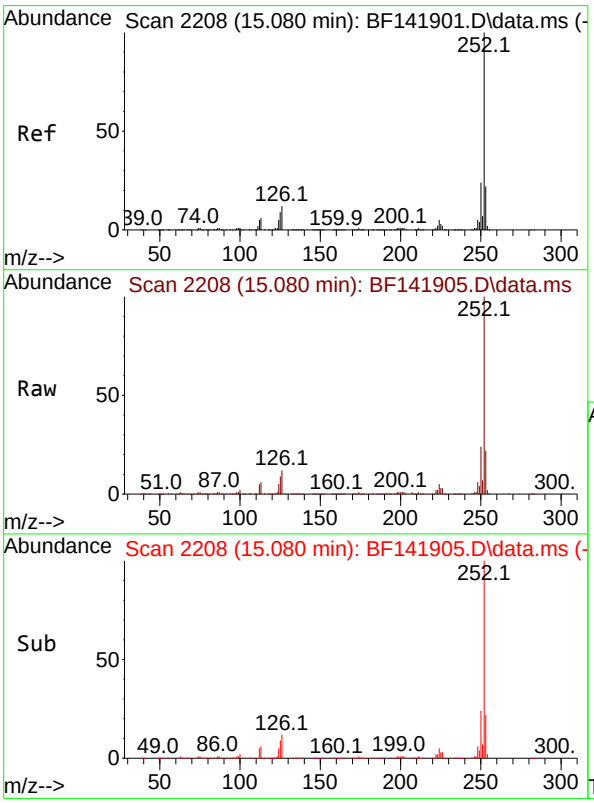
#87
Indeno(1,2,3-cd)pyrene
Concen: 50.969 ng
RT: 17.003 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:276 Resp: 1366974

Ion	Ratio	Lower	Upper
276	100		
138	21.9	18.4	27.6
277	25.3	20.3	30.5

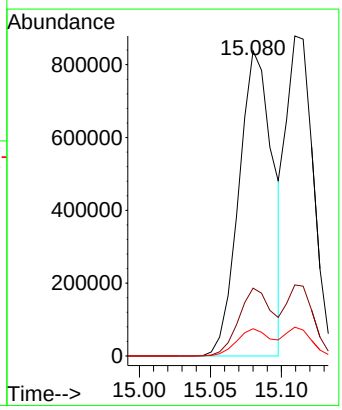


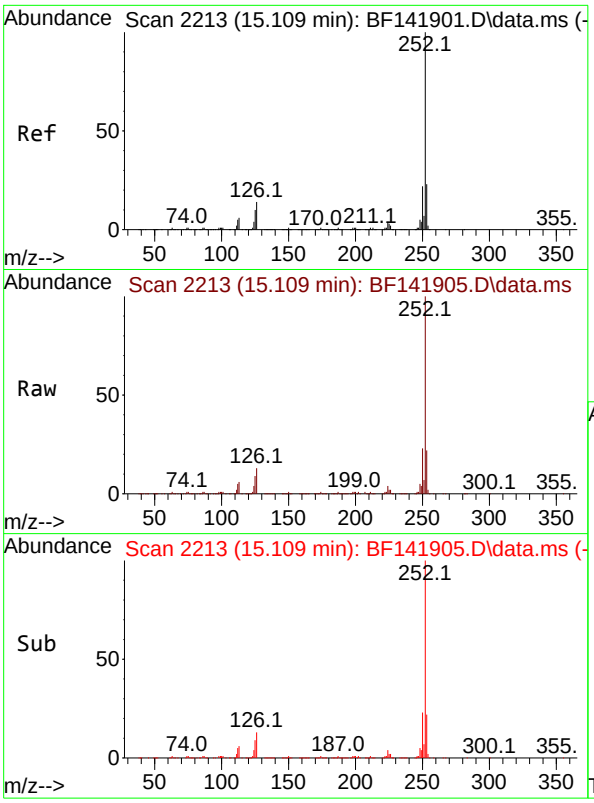


#88
Benzo(b)fluoranthene
Concen: 49.625 ng
RT: 15.080 min Scan# 2208
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:252 Resp: 1392083

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	8.9	7.0	10.4



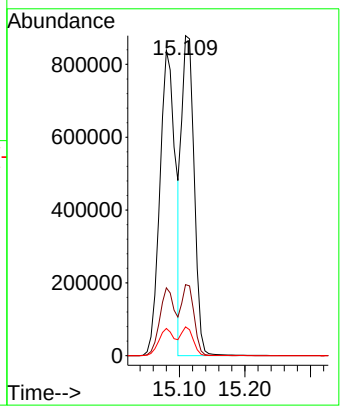


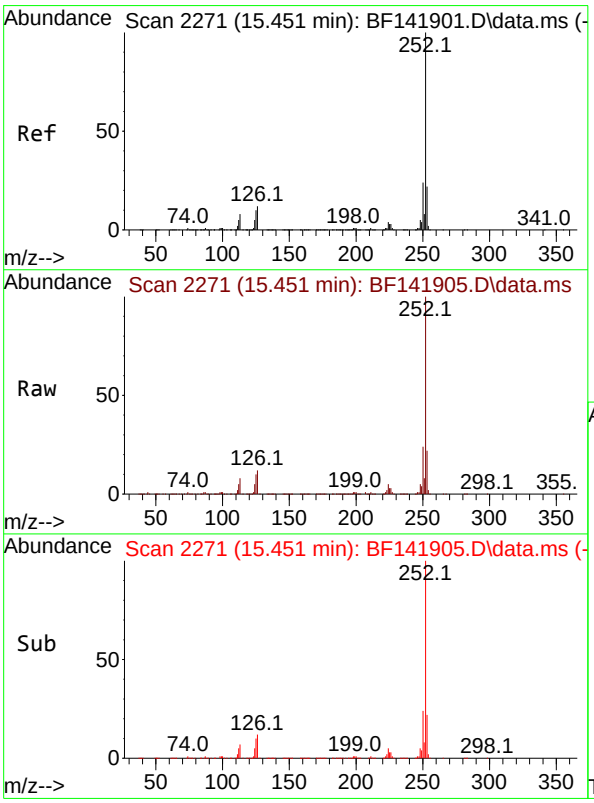
#89
Benzo(k)fluoranthene
Concen: 47.638 ng
RT: 15.109 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:252 Resp: 1167351

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	9.0	7.2	10.8

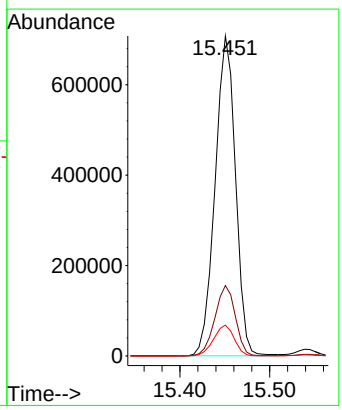


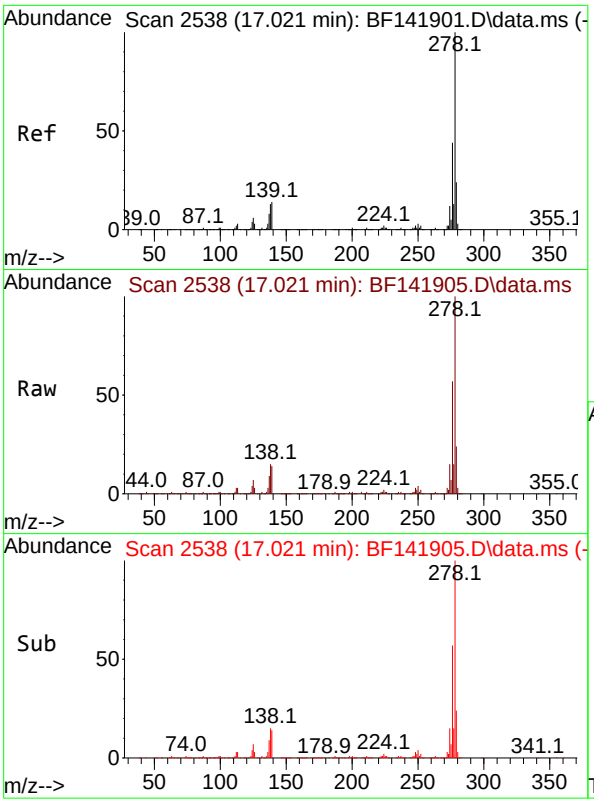


#90
Benzo(a)pyrene
Concen: 50.591 ng
RT: 15.451 min Scan# 2271
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:252 Resp: 1119256

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0
125	9.6	7.8	11.8



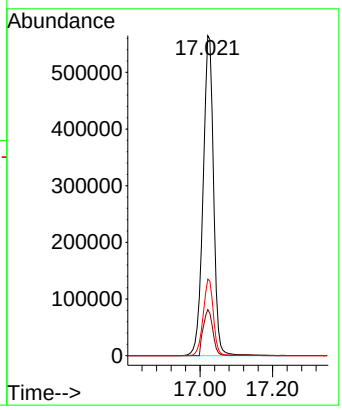


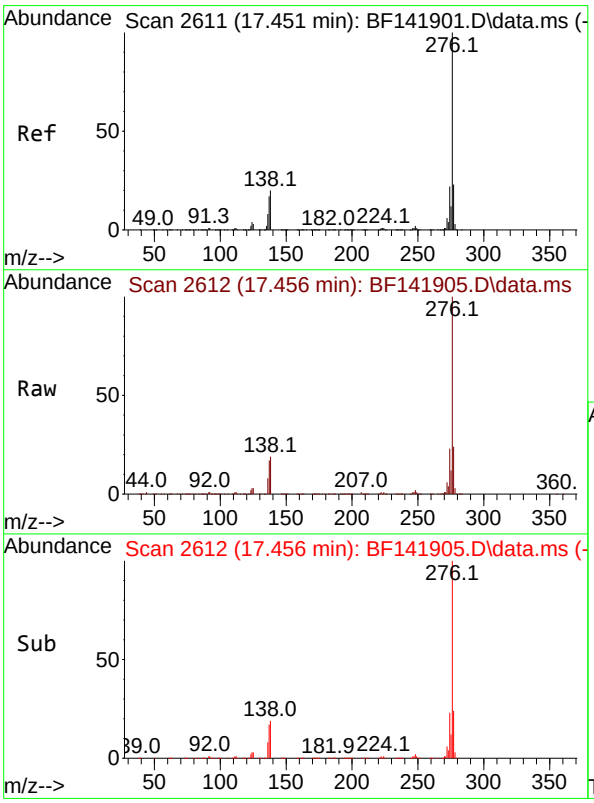
#91
Dibenzo(a,h)anthracene
Concen: 51.149 ng
RT: 17.021 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 1131875

Ion	Ratio	Lower	Upper
278	100		
139	14.4	11.4	17.2
279	23.9	18.8	28.2

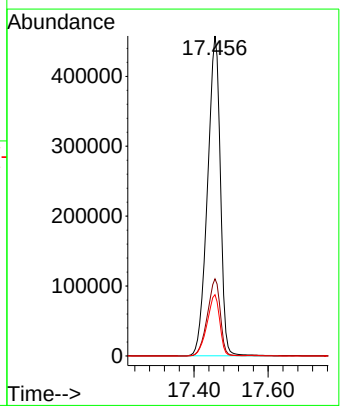




#92
Benzo(g,h,i)perylene
Concen: 50.106 ng
RT: 17.456 min Scan# 2612
Delta R.T. 0.006 min
Lab File: BF141905.D
Acq: 10 Mar 2025 15:20

Tgt Ion:276 Resp: 1099760

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.7	28.1
138	19.2	15.8	23.8



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141906.D
Acq On : 10 Mar 2025 15:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Quant Time: Mar 10 16:15:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	209747	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	840616	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	483165	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	813672	20.000	ng	0.00
76) Chrysene-d12	14.039	240	523890	20.000	ng	0.00
86) Perylene-d12	15.510	264	426422	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	965473	76.823	ng	0.00
7) Phenol-d6	6.504	99	1231487	76.962	ng	0.00
23) Nitrobenzene-d5	7.445	82	1179480	78.962	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	486334	79.342	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	2399526	75.528	ng	0.00
79) Terphenyl-d14	12.986	244	2825870	79.748	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.669	88	203628	38.670	ng	99
3) Pyridine	3.428	79	504398	39.050	ng	99
4) n-Nitrosodimethylamine	3.387	42	239879	38.959	ng	97
6) Aniline	6.545	93	614962	38.958	ng	98
8) 2-Chlorophenol	6.669	128	539701	38.721	ng	99
9) Benzaldehyde	6.434	77	339615	37.950	ng	99
10) Phenol	6.516	94	658449	39.115	ng	97
11) bis(2-Chloroethyl)ether	6.616	93	483438	38.246	ng	99
12) 1,3-Dichlorobenzene	6.822	146	577700	38.391	ng	100
13) 1,4-Dichlorobenzene	6.898	146	584132	38.366	ng	99
14) 1,2-Dichlorobenzene	7.051	146	555621	38.744	ng	100
15) Benzyl Alcohol	7.022	79	509792	39.408	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.157	45	569783	37.338	ng	100
17) 2-Methylphenol	7.128	107	429715	38.775	ng	99
18) Hexachloroethane	7.392	117	221507	38.797	ng	100
19) n-Nitroso-di-n-propyla...	7.298	70	391096	38.038	ng	100
20) 3+4-Methylphenols	7.281	107	548208	38.619	ng	99
22) Acetophenone	7.292	105	757917	37.650	ng	98
24) Nitrobenzene	7.463	77	578836	38.980	ng	99
25) Isophorone	7.704	82	1007659	38.163	ng	100
26) 2-Nitrophenol	7.775	139	294657	40.429	ng	96
27) 2,4-Dimethylphenol	7.810	122	385504	38.414	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	628379	37.943	ng	100
29) 2,4-Dichlorophenol	8.016	162	485205	38.952	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	526250	38.336	ng	100
31) Naphthalene	8.187	128	1633401	37.827	ng	100
32) Benzoic acid	7.928	122	373179	42.303	ng	99
33) 4-Chloroaniline	8.228	127	592172	38.847	ng	99
34) Hexachlorobutadiene	8.304	225	347789	38.849	ng	99
35) Caprolactam	8.604	113	141562	37.276	ng	98
36) 4-Chloro-3-methylphenol	8.704	107	535661	38.550	ng	99
37) 2-Methylnaphthalene	8.875	142	1094895	37.935	ng	100
38) 1-Methylnaphthalene	8.975	142	1071850	38.484	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	561804	38.191	ng	99
41) Hexachlorocyclopentadiene	9.028	237	220386	38.281	ng	98
43) 2,4,6-Trichlorophenol	9.151	196	377743	39.292	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141906.D
Acq On : 10 Mar 2025 15:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Quant Time: Mar 10 16:15:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	372564	38.263	ng	99
46) 1,1'-Biphenyl	9.339	154	1401736	38.182	ng	100
47) 2-Chloronaphthalene	9.363	162	1042241	38.090	ng	99
48) 2-Nitroaniline	9.457	65	308259	38.908	ng	99
49) Acenaphthylene	9.781	152	1531852	37.725	ng	100
50) Dimethylphthalate	9.639	163	1272572	37.611	ng	100
51) 2,6-Dinitrotoluene	9.698	165	274531	38.970	ng	99
52) Acenaphthene	9.951	154	1095922	38.405	ng	100
53) 3-Nitroaniline	9.869	138	275555	38.561	ng	99
54) 2,4-Dinitrophenol	9.969	184	142831	39.326	ng	95
55) Dibenzofuran	10.122	168	1540381	37.778	ng	100
56) 4-Nitrophenol	10.016	139	212462	39.425	ng	99
57) 2,4-Dinitrotoluene	10.104	165	361518	39.291	ng	99
58) Fluorene	10.469	166	1175392	37.381	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	346168	39.070	ng	99
60) Diethylphthalate	10.339	149	1293401	38.337	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	627404	38.272	ng	99
62) 4-Nitroaniline	10.480	138	270993	38.953	ng	99
63) Azobenzene	10.622	77	1189121	37.911	ng	98
65) 4,6-Dinitro-2-methylph...	10.510	198	200888	41.415	ng	99
66) n-Nitrosodiphenylamine	10.575	169	1008029	38.283	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	398683	39.015	ng	98
68) Hexachlorobenzene	11.016	284	445938	39.789	ng	96
69) Atrazine	11.098	200	257856	31.945	ng	99
70) Pentachlorophenol	11.204	266	289713	41.955	ng	100
71) Phenanthrene	11.427	178	1685770	38.357	ng	100
72) Anthracene	11.480	178	1675103	37.991	ng	100
73) Carbazole	11.633	167	1451333	38.167	ng	99
74) Di-n-butylphthalate	11.963	149	1953516	38.717	ng	100
75) Fluoranthene	12.616	202	1750317	37.545	ng	100
77) Benzidine	12.733	184	420377	57.513	ng	100
78) Pyrene	12.845	202	1746456	38.539	ng	100
80) Butylbenzylphthalate	13.463	149	723288	40.778	ng	99
81) Benzo(a)anthracene	14.027	228	1347977	39.211	ng	100
82) 3,3'-Dichlorobenzidine	13.992	252	380866	38.337	ng	100
83) Chrysene	14.068	228	1159074	37.195	ng	100
84) Bis(2-ethylhexyl)phtha...	14.021	149	1006170	41.142	ng	99
85) Di-n-octyl phthalate	14.633	149	1394136	40.971	ng	100
87) Indeno(1,2,3-cd)pyrene	17.004	276	1061096	38.467	ng	99
88) Benzo(b)fluoranthene	15.080	252	1166263	39.906	ng	99
89) Benzo(k)fluoranthene	15.110	252	869471	34.765	ng	100
90) Benzo(a)pyrene	15.451	252	882967	38.612	ng	99
91) Dibenzo(a,h)anthracene	17.021	278	886038	38.931	ng	99
92) Benzo(g,h,i)perylene	17.451	276	855812	38.051	ng	99

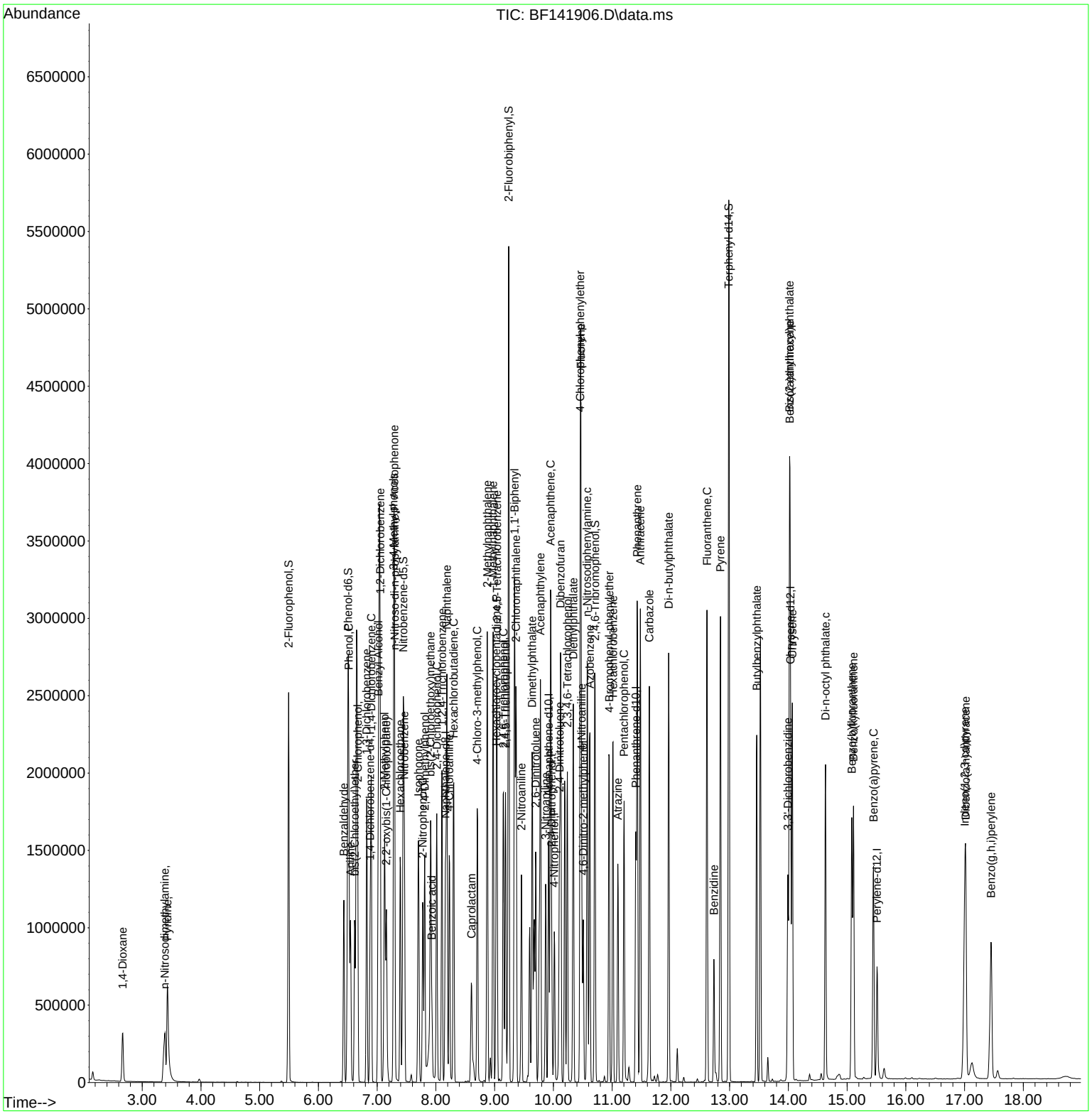
(#) = qualifier out of range (m) = manual integration (+) = signals summed

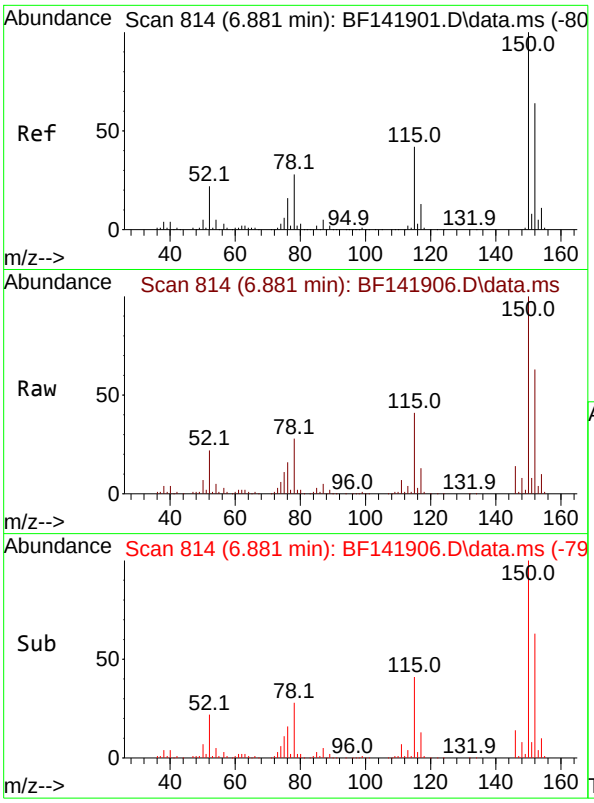
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141906.D
Acq On : 10 Mar 2025 15:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Quant Time: Mar 10 16:15:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration



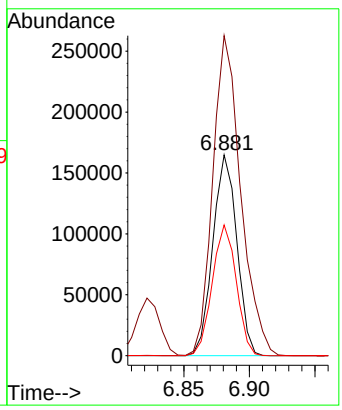


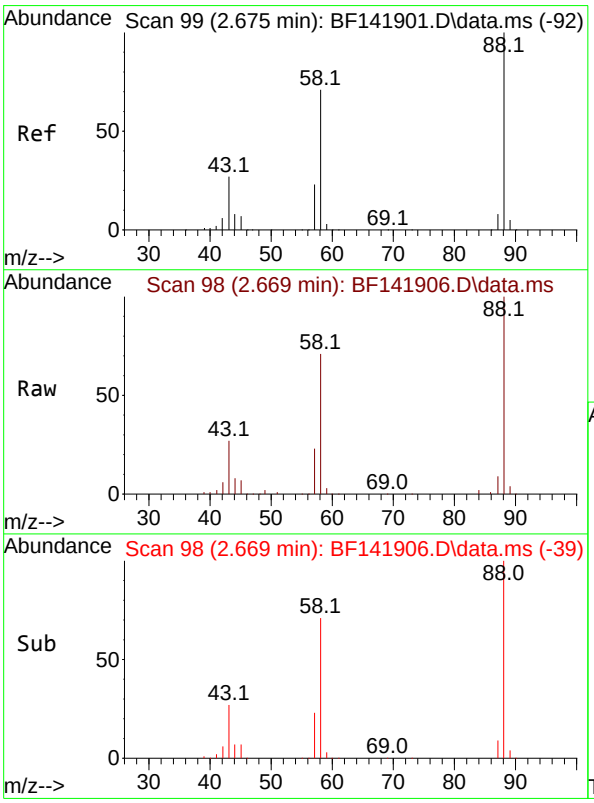
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:152 Resp: 209747

Ion	Ratio	Lower	Upper
152	100		
150	159.4	127.4	191.2
115	65.1	51.9	77.9

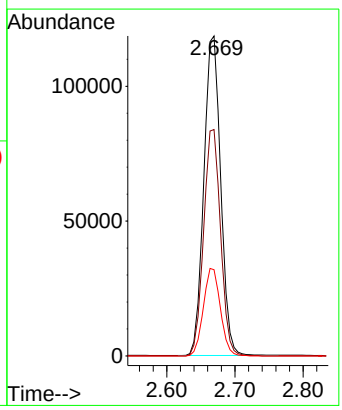


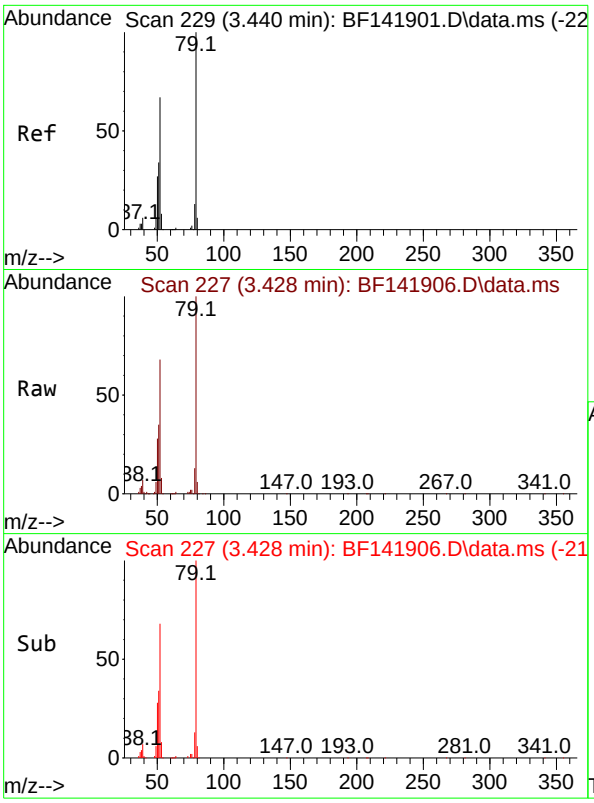


#2
1,4-Dioxane
Concen: 38.670 ng
RT: 2.669 min Scan# 98
Delta R.T. -0.006 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion: 88 Resp: 203628

Ion	Ratio	Lower	Upper
88	100		
58	71.2	57.4	86.2
43	27.6	21.5	32.3



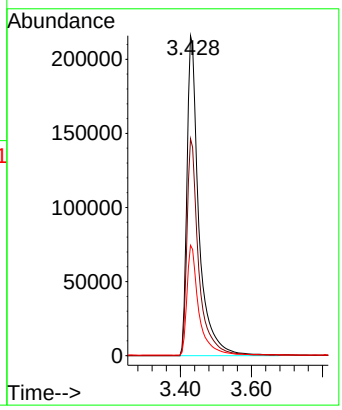


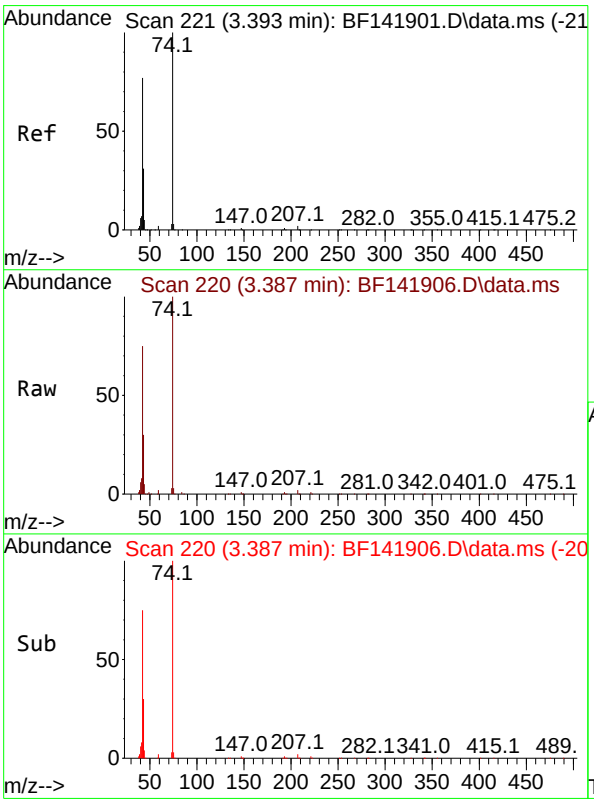
#3
Pyridine
Concen: 39.050 ng
RT: 3.428 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion: 79 Resp: 504398

Ion	Ratio	Lower	Upper
79	100		
52	67.8	53.3	79.9
51	34.5	27.6	41.4

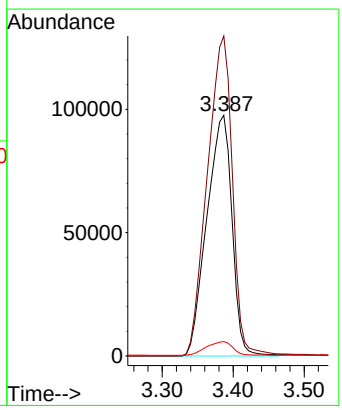


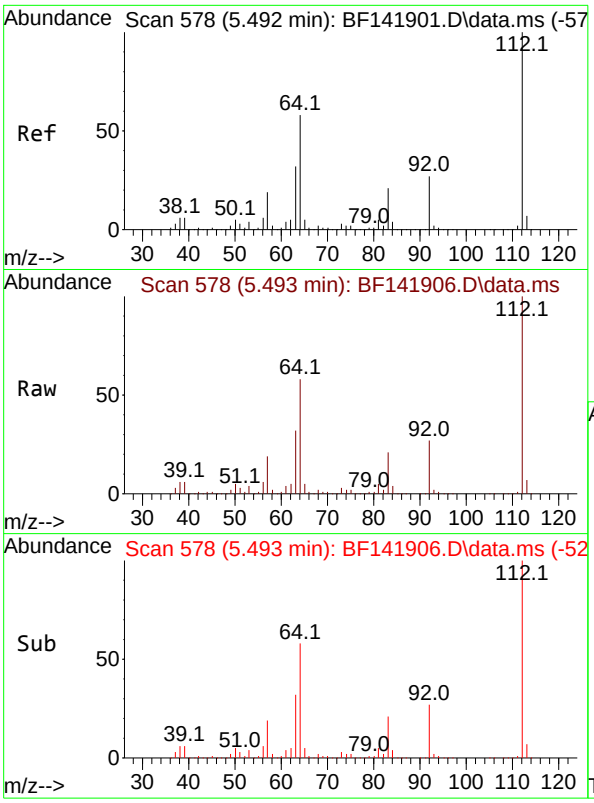


#4
n-Nitrosodimethylamine
Concen: 38.959 ng
RT: 3.387 min Scan# 220
Delta R.T. -0.006 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion: 42 Resp: 239879

Ion	Ratio	Lower	Upper
42	100		
74	133.0	103.4	155.0
44	6.0	5.0	7.4



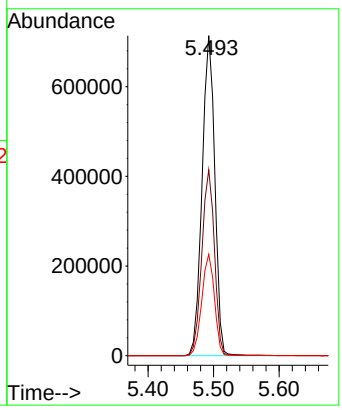


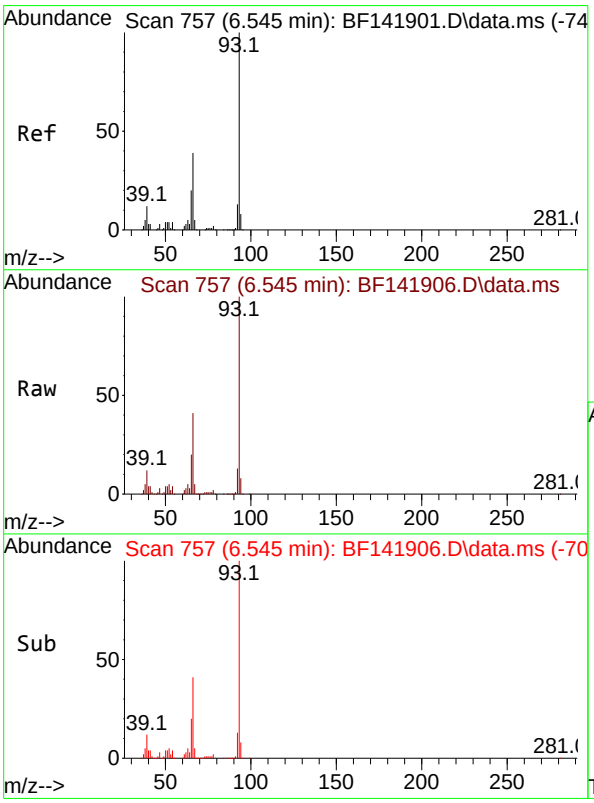
#5
2-Fluorophenol
Concen: 76.823 ng
RT: 5.493 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:112 Resp: 965473

Ion	Ratio	Lower	Upper
112	100		
64	58.1	46.5	69.7
63	31.7	25.4	38.2

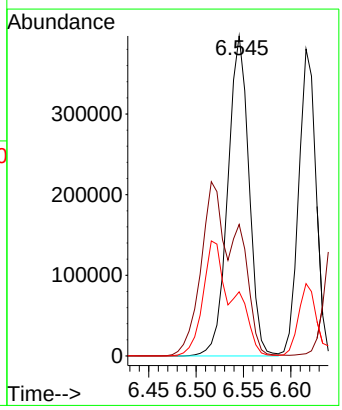


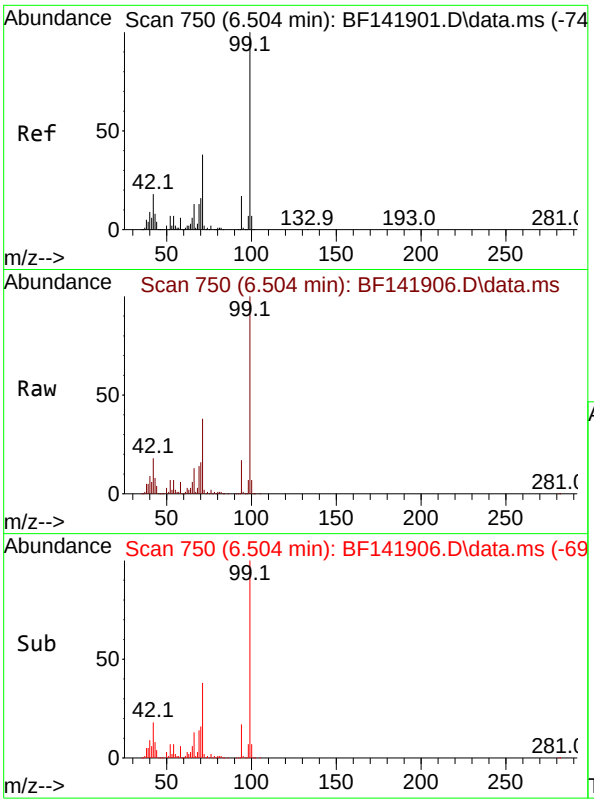


#6
Aniline
Concen: 38.958 ng
RT: 6.545 min Scan# 757
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion: 93 Resp: 614962

Ion	Ratio	Lower	Upper
93	100		
66	41.1	31.9	47.9
65	20.0	15.8	23.6



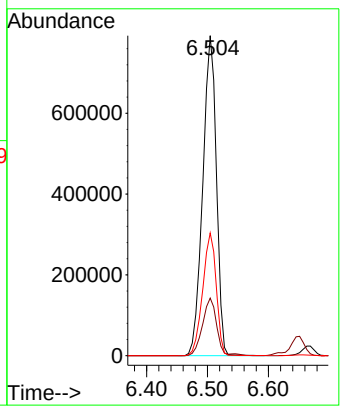


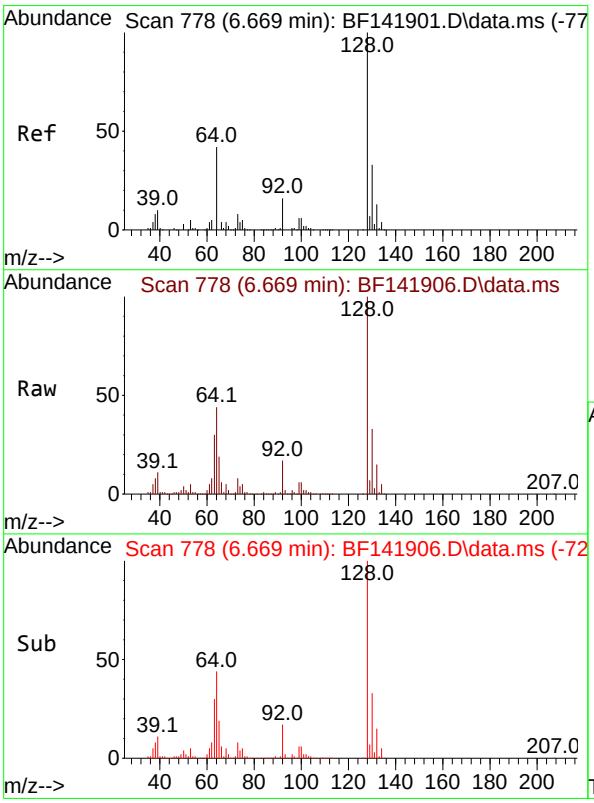
#7
Phenol-d6
Concen: 76.962 ng
RT: 6.504 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion: 99 Resp: 1231487

Ion	Ratio	Lower	Upper
99	100		
42	18.0	14.6	21.8
71	38.3	30.8	46.2

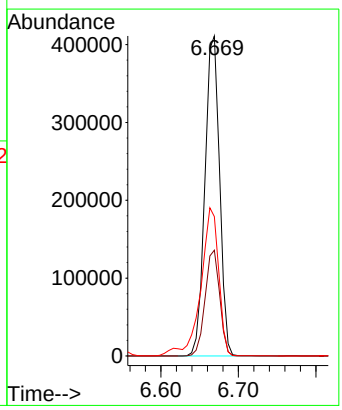


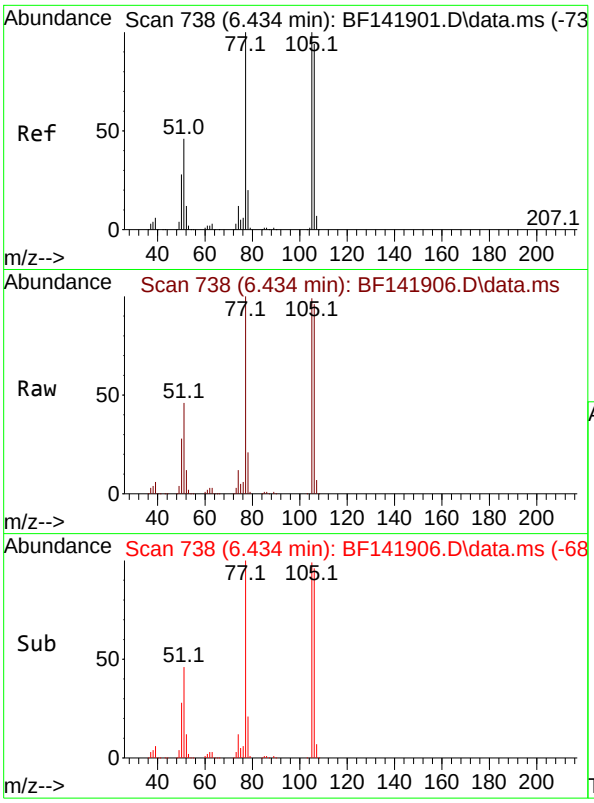


#8
2-Chlorophenol
Concen: 38.721 ng
RT: 6.669 min Scan# 778
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:128 Resp: 539701

Ion	Ratio	Lower	Upper
128	100		
130	33.0	12.8	52.8
64	43.6	24.4	64.4



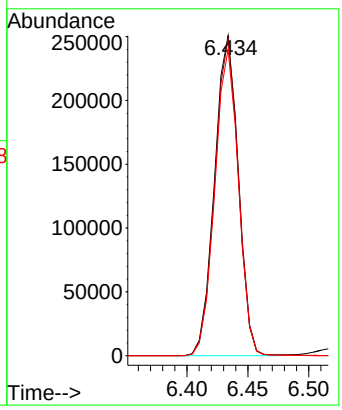


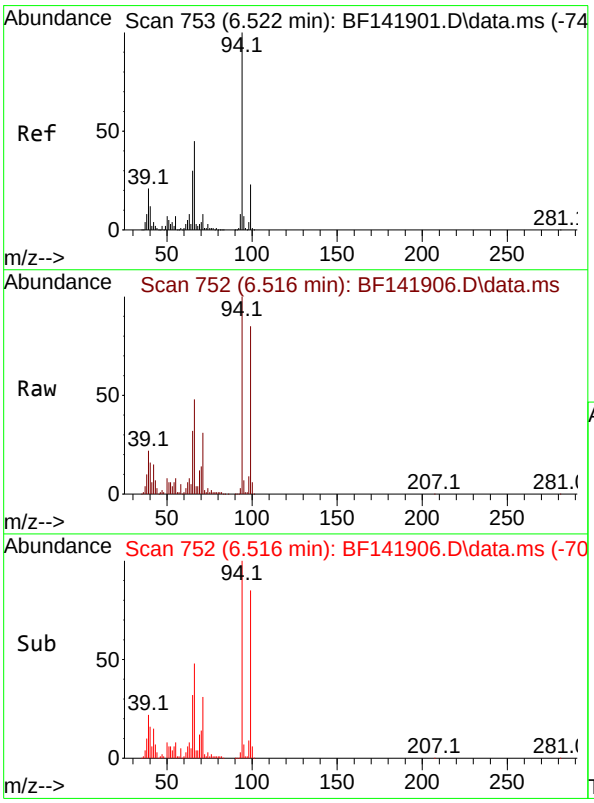
#9
Benzaldehyde
Concen: 37.950 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion: 77 Resp: 339615

Ion	Ratio	Lower	Upper
77	100		
105	99.2	80.0	120.0
106	95.7	74.5	114.5

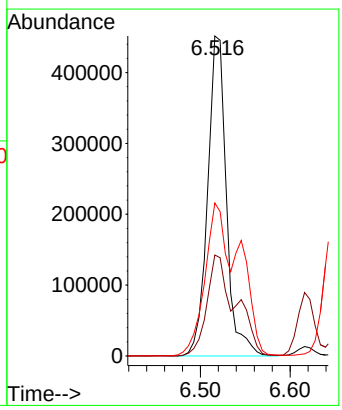


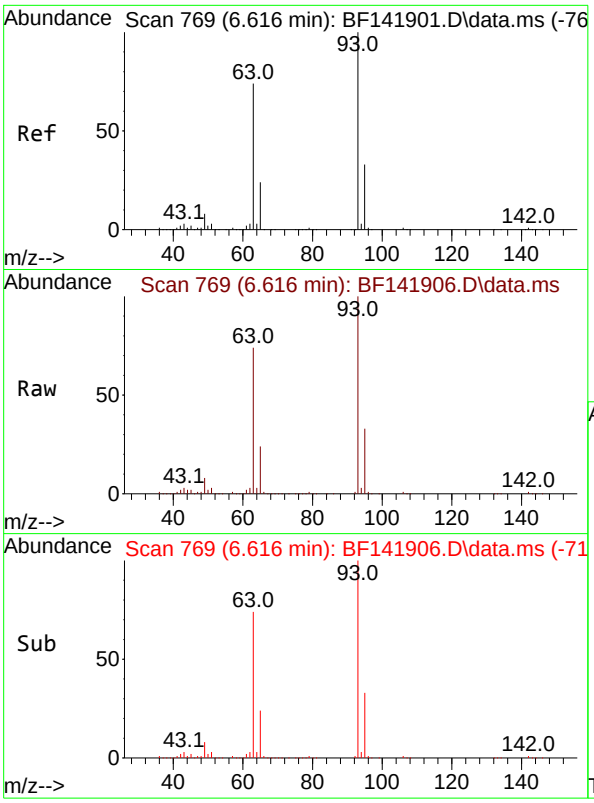


#10
Phenol
Concen: 39.115 ng
RT: 6.516 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion: 94 Resp: 658449

Ion	Ratio	Lower	Upper
94	100		
65	31.6	10.5	50.5
66	47.8	25.8	65.8



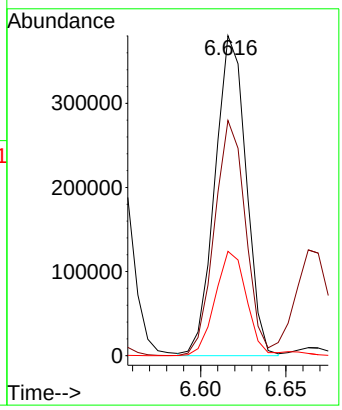


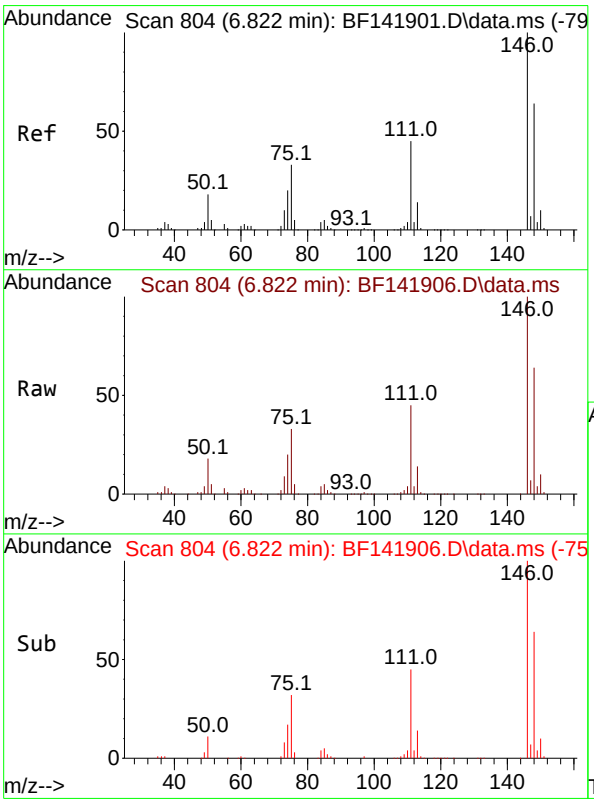
#11
bis(2-Chloroethyl)ether
Concen: 38.246 ng
RT: 6.616 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion: 93 Resp: 483438

Ion	Ratio	Lower	Upper
93	100		
63	73.5	53.0	93.0
95	32.6	12.9	52.9

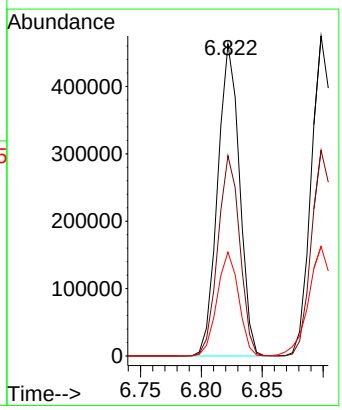


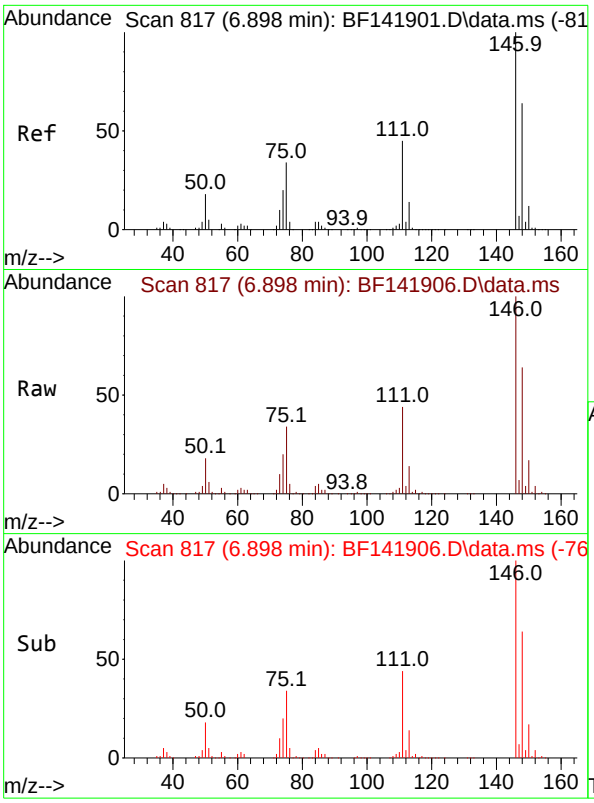


#12
1,3-Dichlorobenzene
Concen: 38.391 ng
RT: 6.822 min Scan# 804
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:146 Resp: 577700

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.3	76.9
75	33.3	26.6	40.0



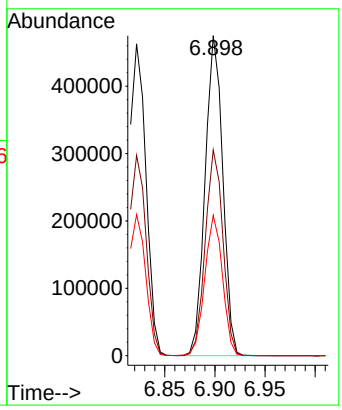


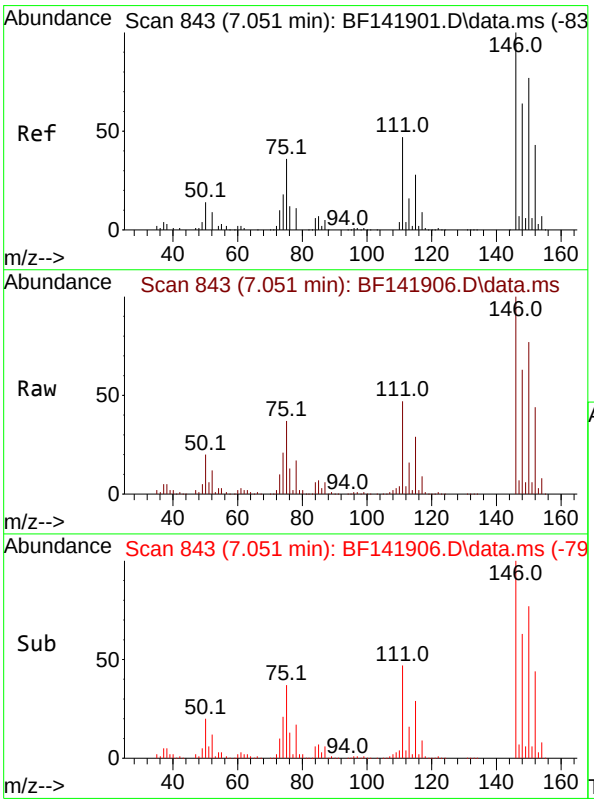
#13
1,4-Dichlorobenzene
Concen: 38.366 ng
RT: 6.898 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:146 Resp: 584132

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.0	76.6
111	43.8	35.7	53.5

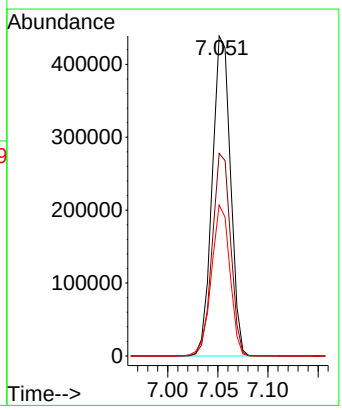


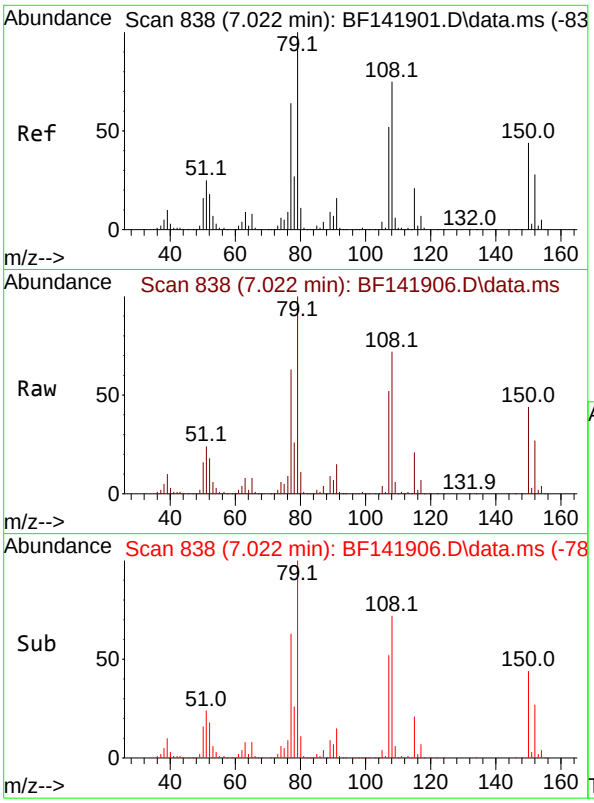


#14
1,2-Dichlorobenzene
Concen: 38.744 ng
RT: 7.051 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:146 Resp: 555621

Ion	Ratio	Lower	Upper
146	100		
148	63.3	50.8	76.2
111	47.2	38.0	57.0



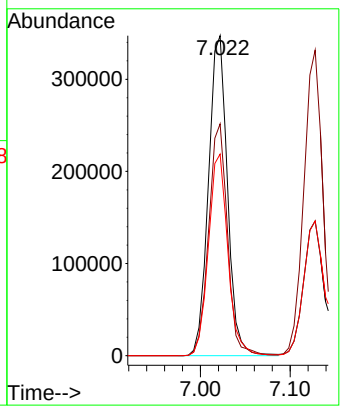


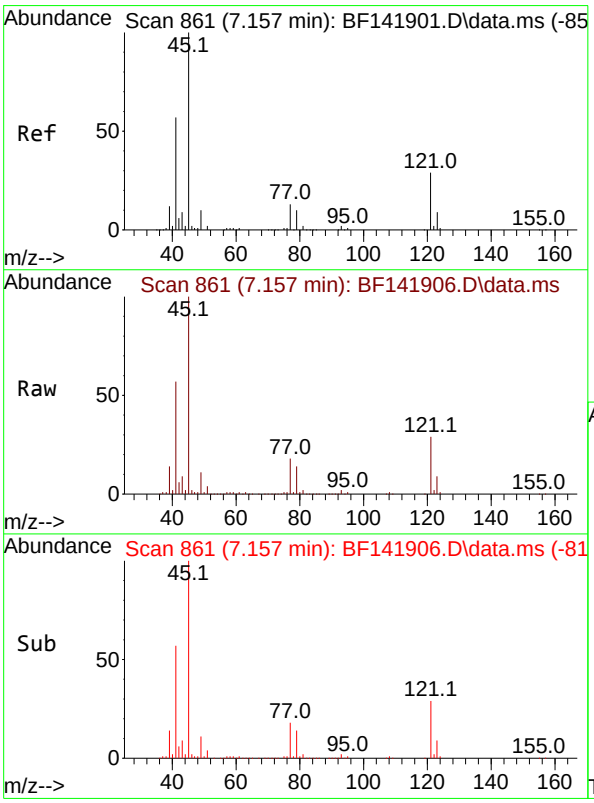
#15
Benzyl Alcohol
Concen: 39.408 ng
RT: 7.022 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion: 79 Resp: 509792

Ion	Ratio	Lower	Upper
79	100		
108	72.4	59.7	89.5
77	63.0	51.0	76.6

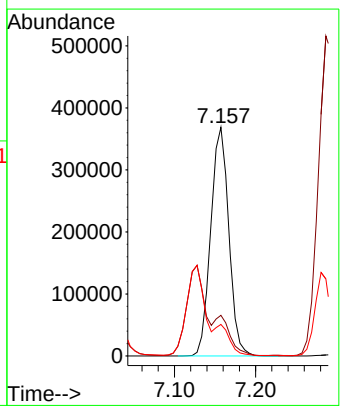


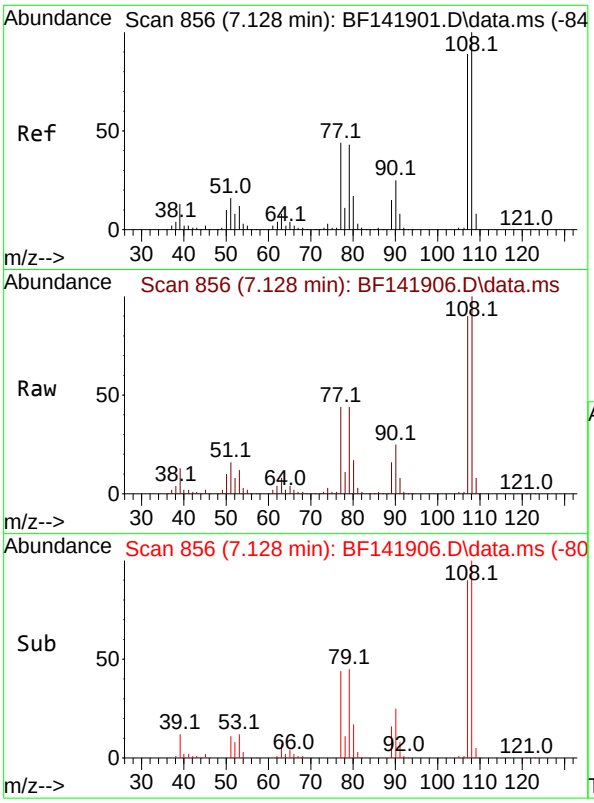


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.338 ng
RT: 7.157 min Scan# 861
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion: 45 Resp: 569783

Ion	Ratio	Lower	Upper
45	100		
77	17.8	0.0	37.8
79	13.8	0.0	34.2



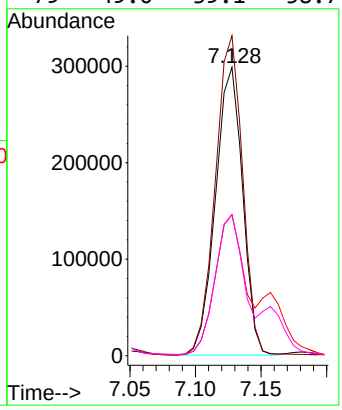


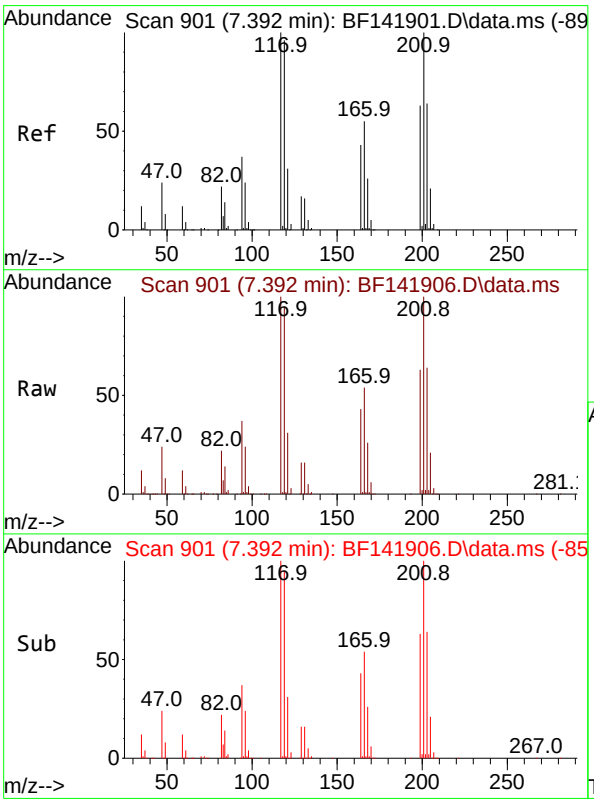
#17
2-Methylphenol
Concen: 38.775 ng
RT: 7.128 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:107 Resp: 429715

Ion	Ratio	Lower	Upper
107	100		
108	111.0	90.2	135.2
77	48.9	39.6	59.4
79	49.0	39.1	58.7

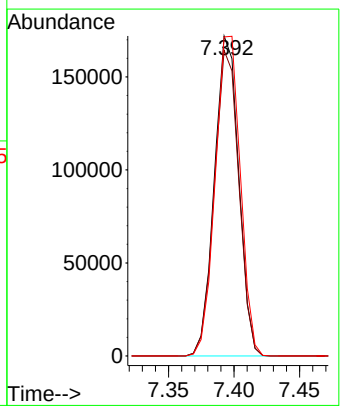


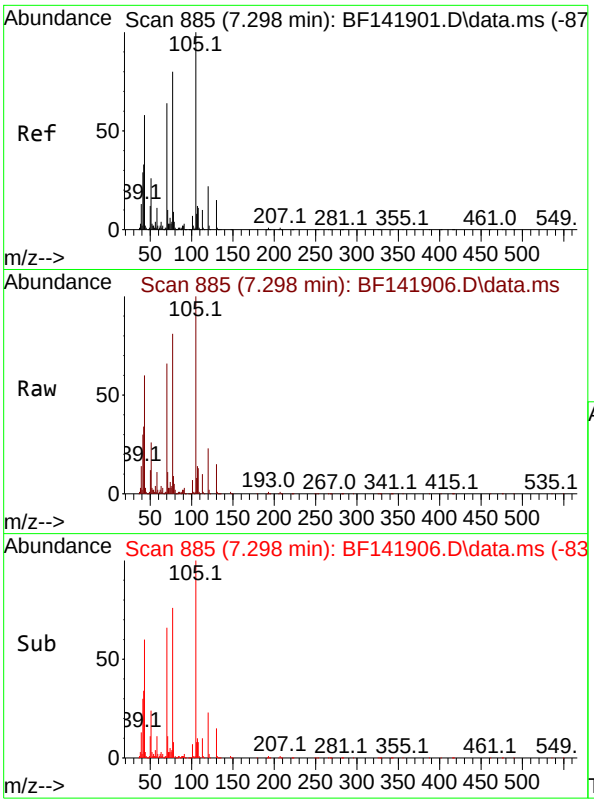


#18
Hexachloroethane
Concen: 38.797 ng
RT: 7.392 min Scan# 901
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:117 Resp: 221507

Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.9	115.3
201	99.7	79.9	119.9



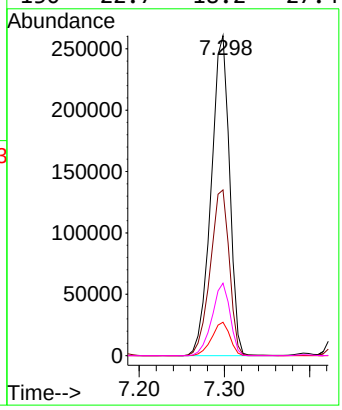


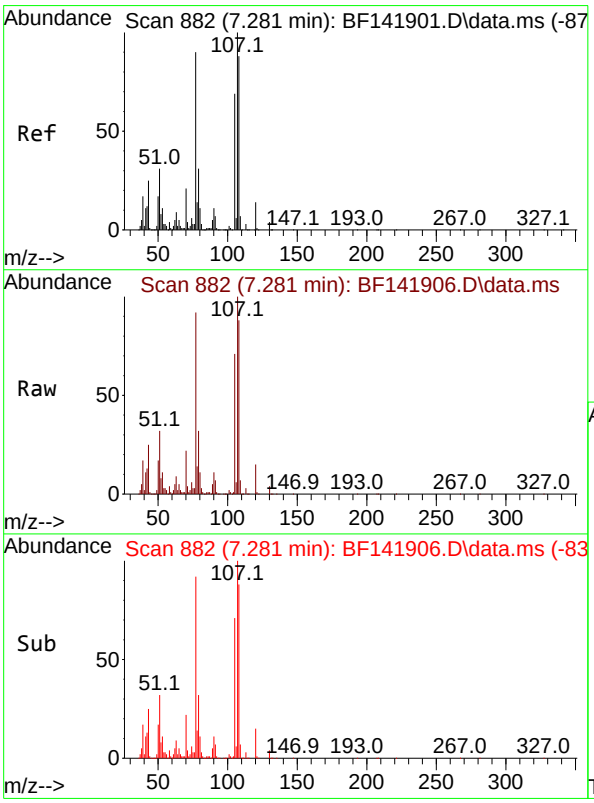
#19
n-Nitroso-di-n-propylamine
Concen: 38.038 ng
RT: 7.298 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion: 70 Resp: 391096

Ion	Ratio	Lower	Upper
70	100		
42	51.8	41.4	62.0
101	10.5	8.2	12.2
130	22.7	18.2	27.4

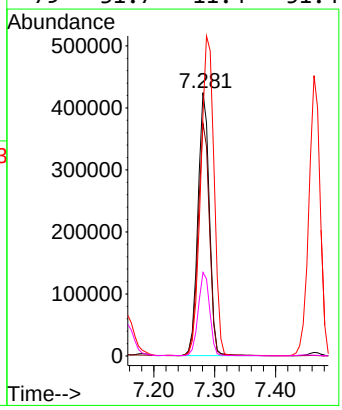


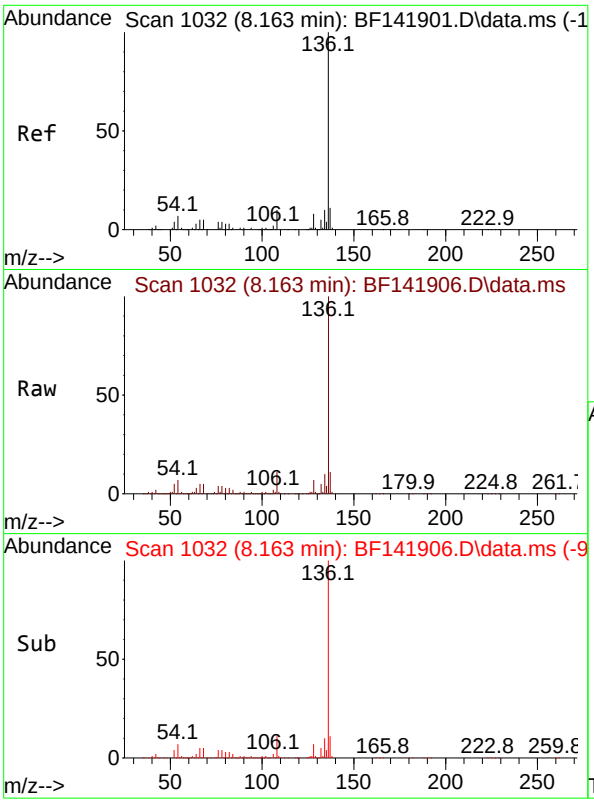


#20
3+4-Methylphenols
Concen: 38.619 ng
RT: 7.281 min Scan# 882
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:107 Resp: 548208

Ion	Ratio	Lower	Upper
107	100		
108	88.3	68.4	108.4
77	91.7	69.7	109.7
79	31.7	11.4	51.4



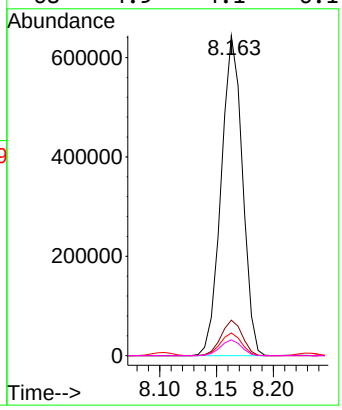


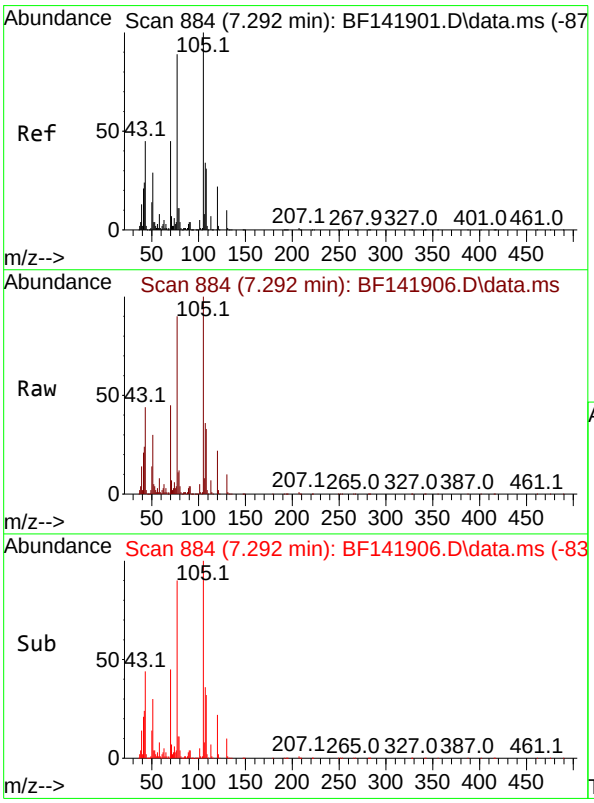
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:136 Resp: 840616

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	7.1	5.8	8.8
68	4.9	4.1	6.1

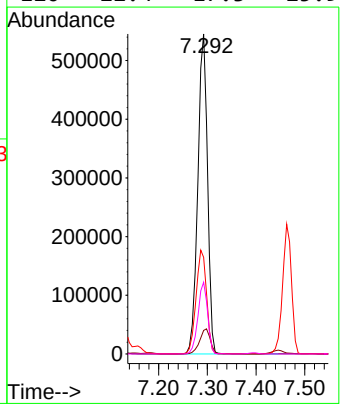


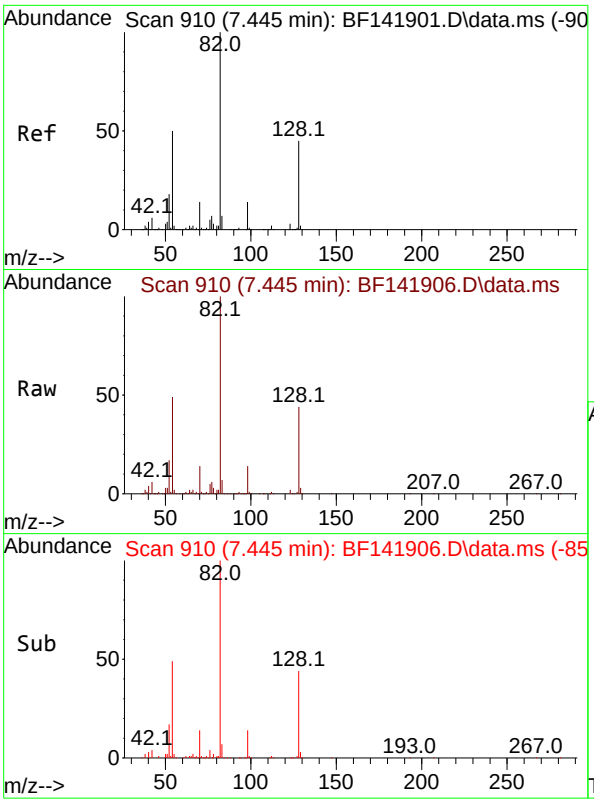


#22
Acetophenone
Concen: 37.650 ng
RT: 7.292 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:105 Resp: 757917

Ion	Ratio	Lower	Upper
105	100		
71	7.4	5.8	8.8
51	30.2	23.4	35.0
120	22.4	17.3	25.9



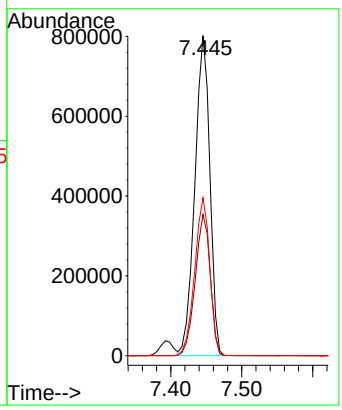


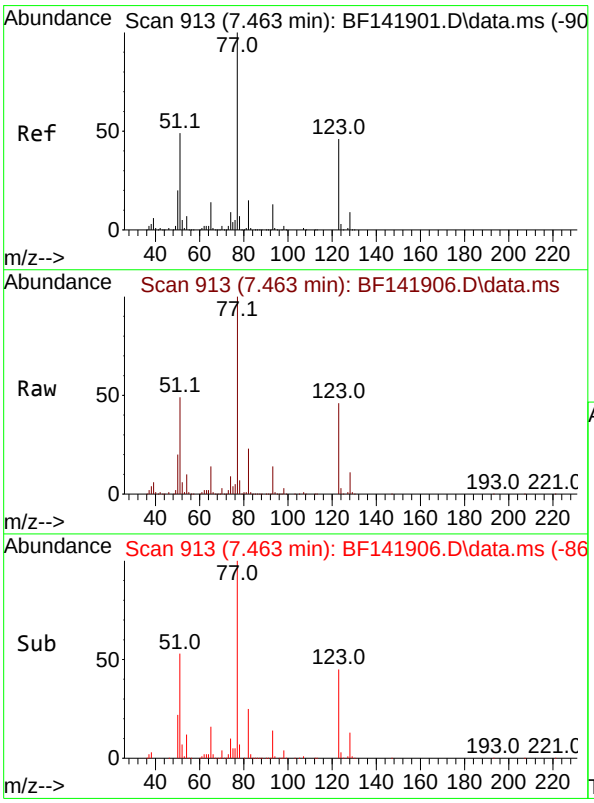
#23
Nitrobenzene-d5
Concen: 78.962 ng
RT: 7.445 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion: 82 Resp: 1179480

Ion	Ratio	Lower	Upper
82	100		
128	44.1	36.0	54.0
54	49.3	39.6	59.4

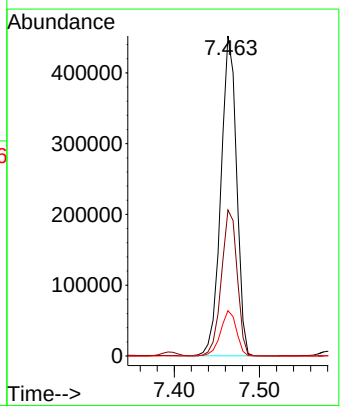


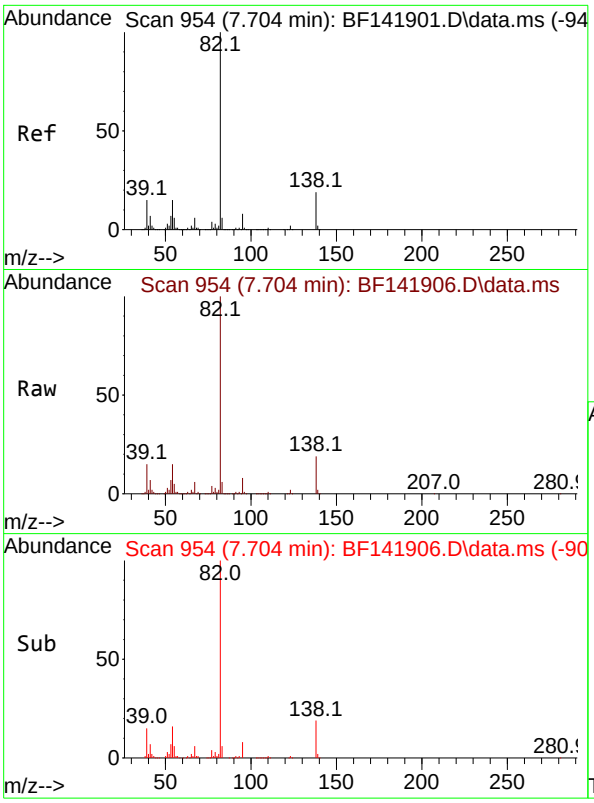


#24
Nitrobenzene
Concen: 38.980 ng
RT: 7.463 min Scan# 913
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion: 77 Resp: 578836

Ion	Ratio	Lower	Upper
77	100		
123	45.6	37.0	55.4
65	14.2	11.3	16.9



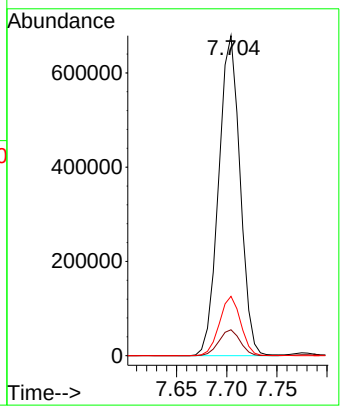


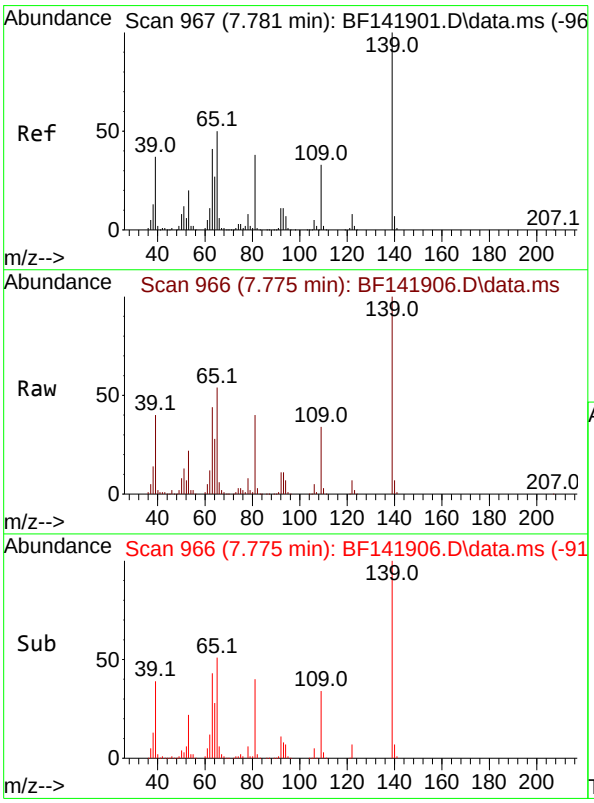
#25
Isophorone
Concen: 38.163 ng
RT: 7.704 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion: 82 Resp: 1007659

Ion	Ratio	Lower	Upper
82	100		
95	8.1	6.4	9.6
138	18.6	14.9	22.3

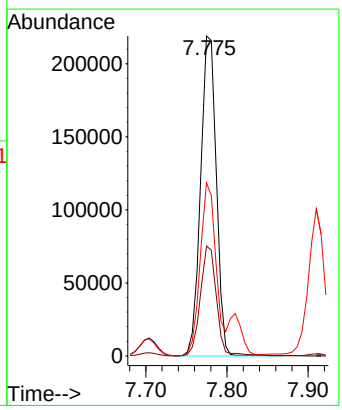


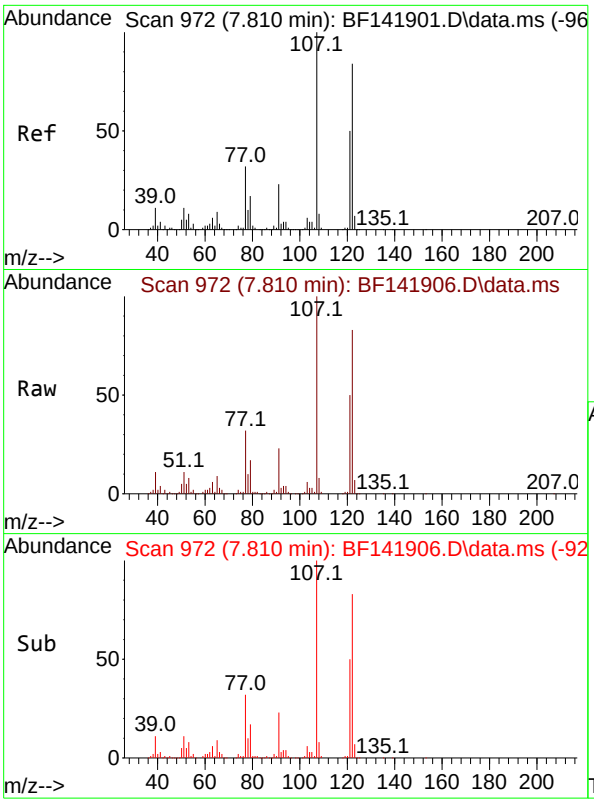


#26
2-Nitrophenol
Concen: 40.429 ng
RT: 7.775 min Scan# 966
Delta R.T. -0.006 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:139 Resp: 294657

Ion	Ratio	Lower	Upper
139	100		
109	34.3	26.5	39.7
65	54.1	40.3	60.5



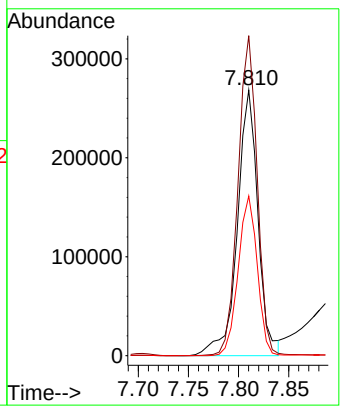


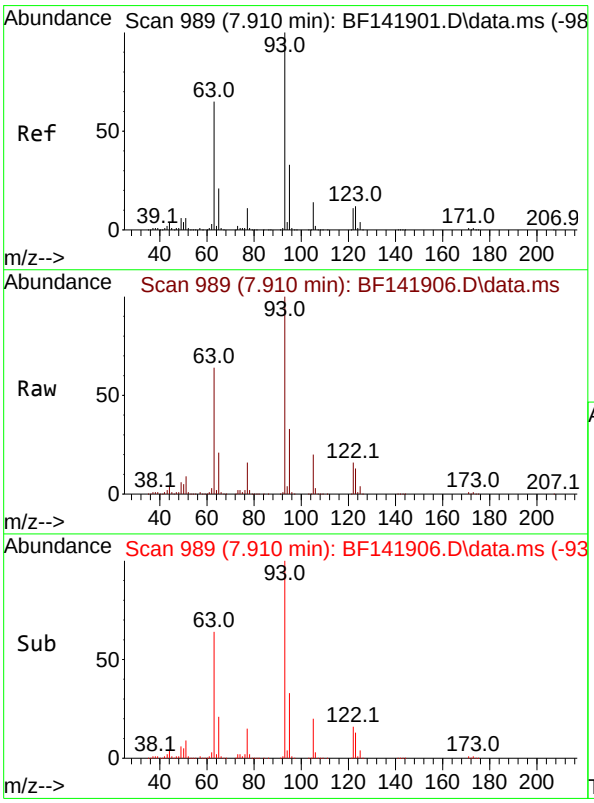
#27
2,4-Dimethylphenol
Concen: 38.414 ng
RT: 7.810 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:122 Resp: 385504

Ion	Ratio	Lower	Upper
122	100		
107	120.5	94.8	142.2
121	60.1	47.8	71.6

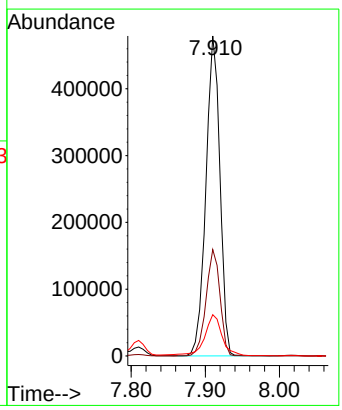


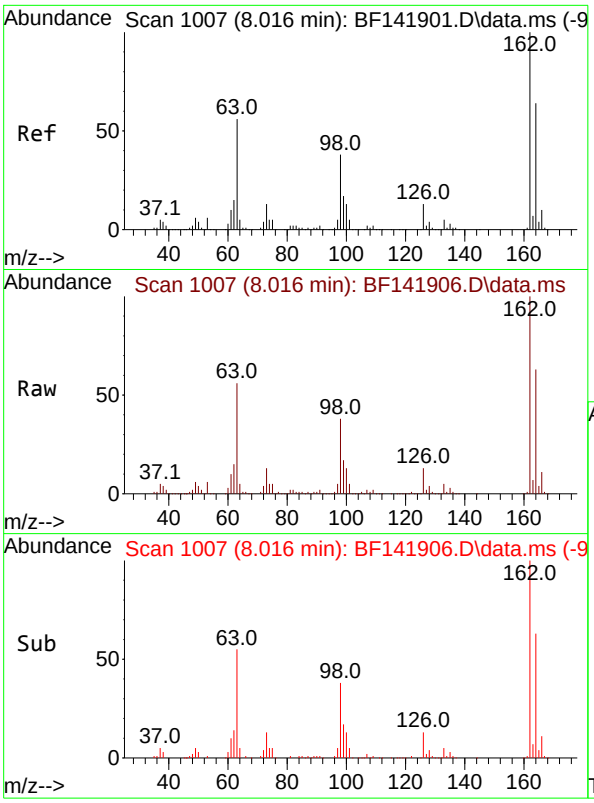


#28
bis(2-Chloroethoxy)methane
Concen: 37.943 ng
RT: 7.910 min Scan# 989
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion: 93 Resp: 628379

Ion	Ratio	Lower	Upper
93	100		
95	33.3	26.6	40.0
123	12.9	10.2	15.4



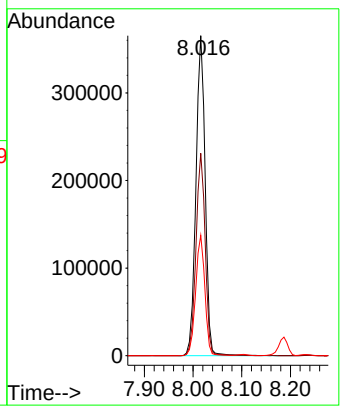


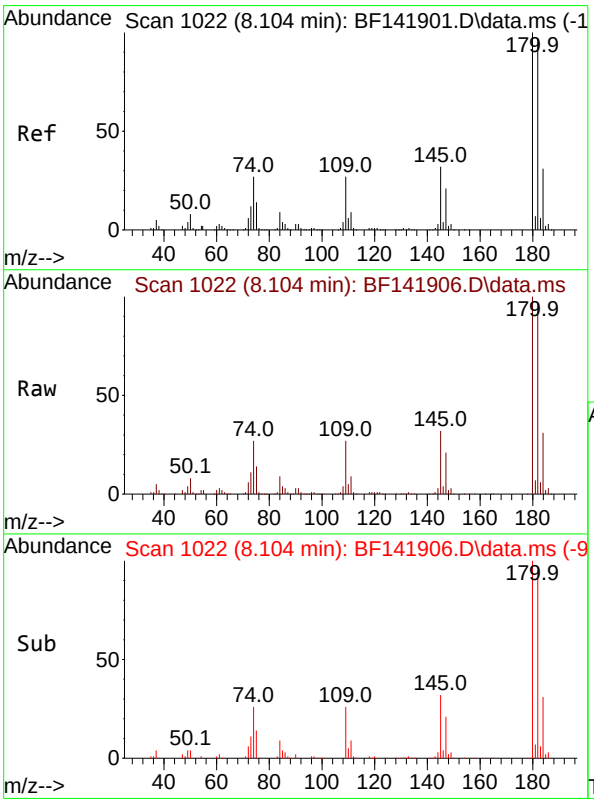
#29
2,4-Dichlorophenol
Concen: 38.952 ng
RT: 8.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:162 Resp: 485205

Ion	Ratio	Lower	Upper
162	100		
164	63.3	43.8	83.8
98	37.6	18.1	58.1

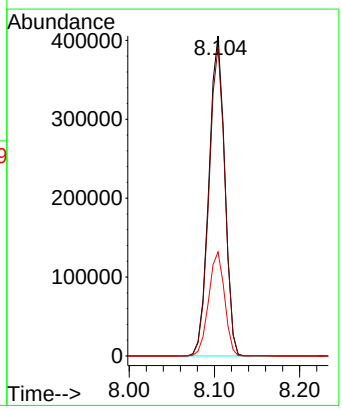


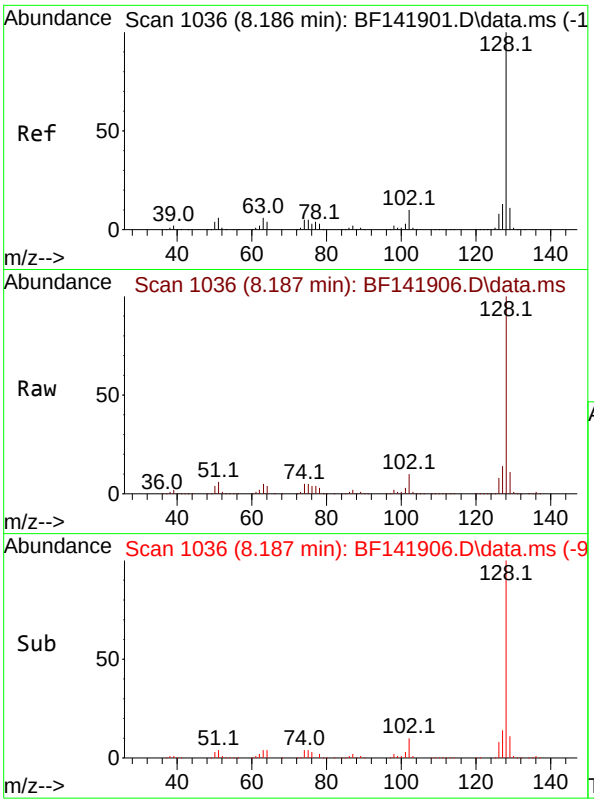


#30
1,2,4-Trichlorobenzene
Concen: 38.336 ng
RT: 8.104 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:180 Resp: 526250

Ion	Ratio	Lower	Upper
180	100		
182	96.7	77.5	116.3
145	32.5	25.8	38.6



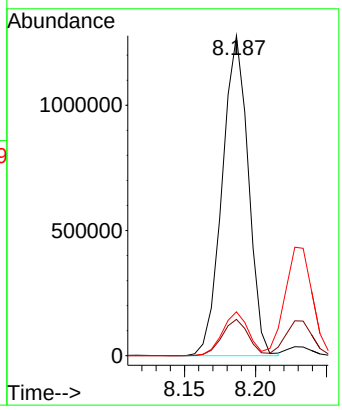


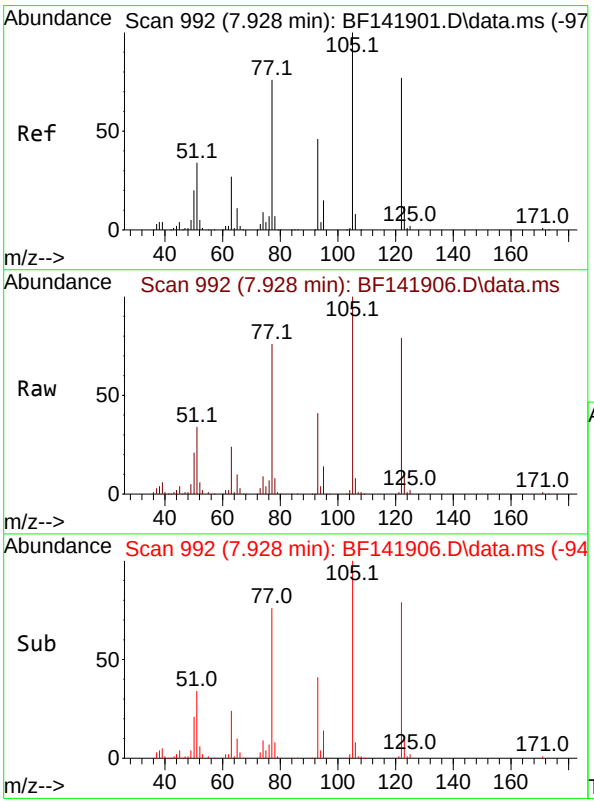
#31
Naphthalene
Concen: 37.827 ng
RT: 8.187 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:128 Resp: 1633401

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.0	13.6
127	13.7	10.8	16.2

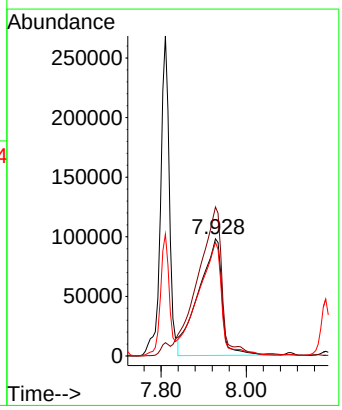


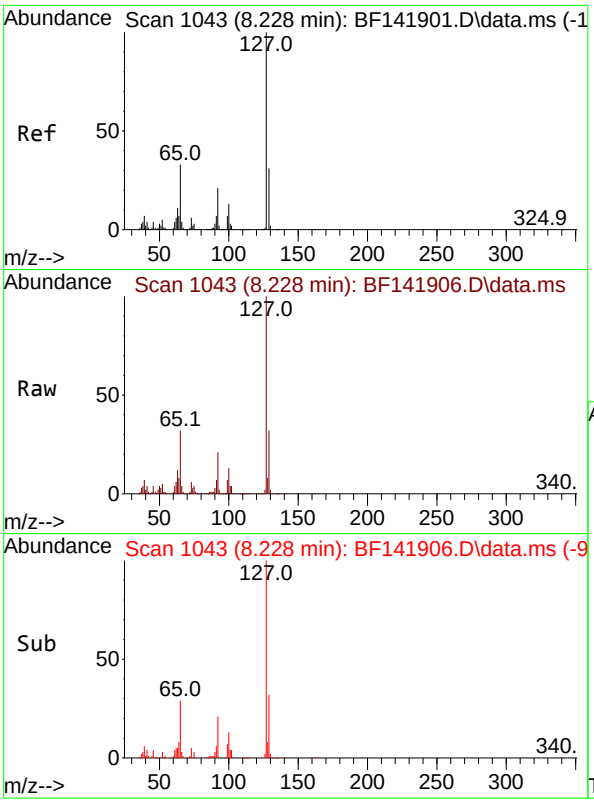


#32
Benzoic acid
Concen: 42.303 ng
RT: 7.928 min Scan# 992
Delta R.T. -0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:122 Resp: 373179

Ion	Ratio	Lower	Upper
122	100		
105	127.1	107.9	147.9
77	97.0	79.0	119.0



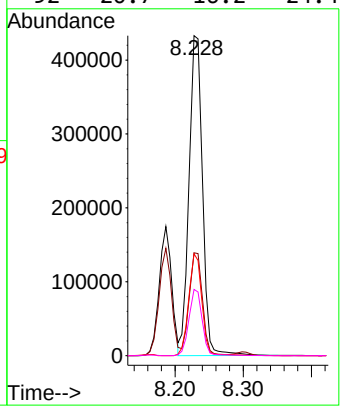


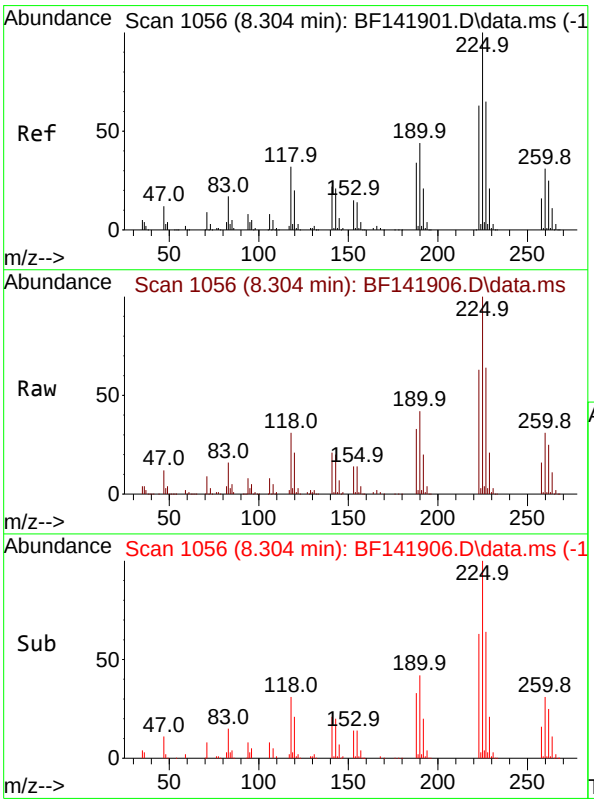
#33
4-Chloroaniline
Concen: 38.847 ng
RT: 8.228 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:127 Resp: 592172

Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.2	39.4
65	31.9	25.4	38.2
92	20.7	16.2	24.4

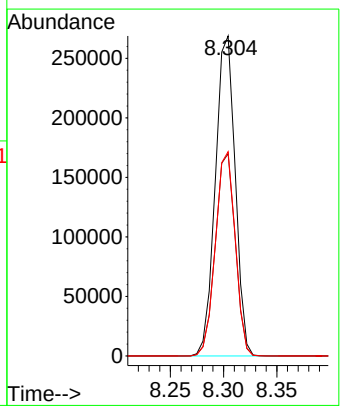


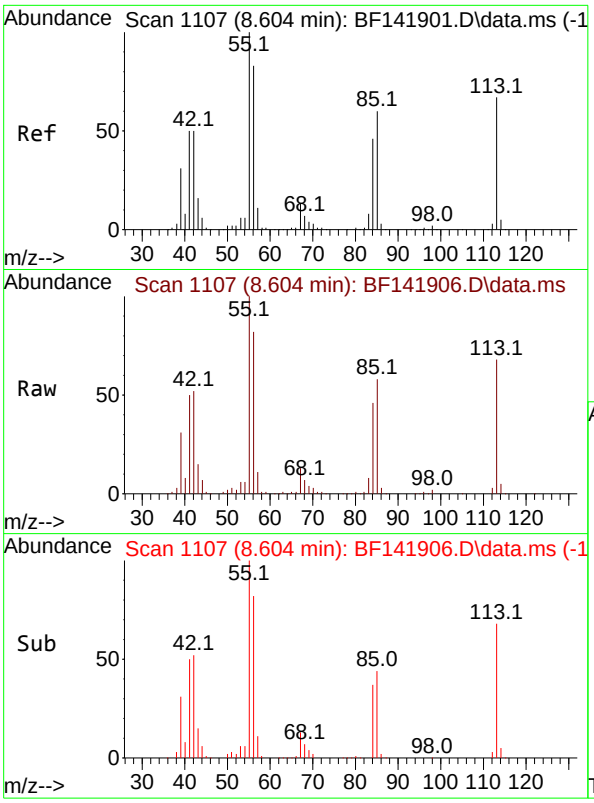


#34
Hexachlorobutadiene
Concen: 38.849 ng
RT: 8.304 min Scan# 1056
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:225 Resp: 347789

Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.6	75.8
227	63.8	52.2	78.2



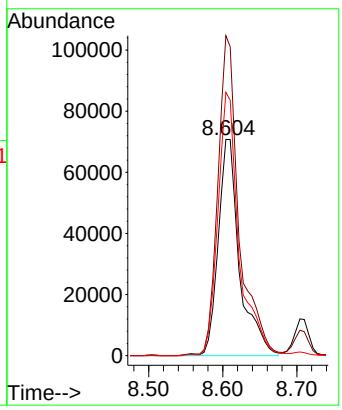


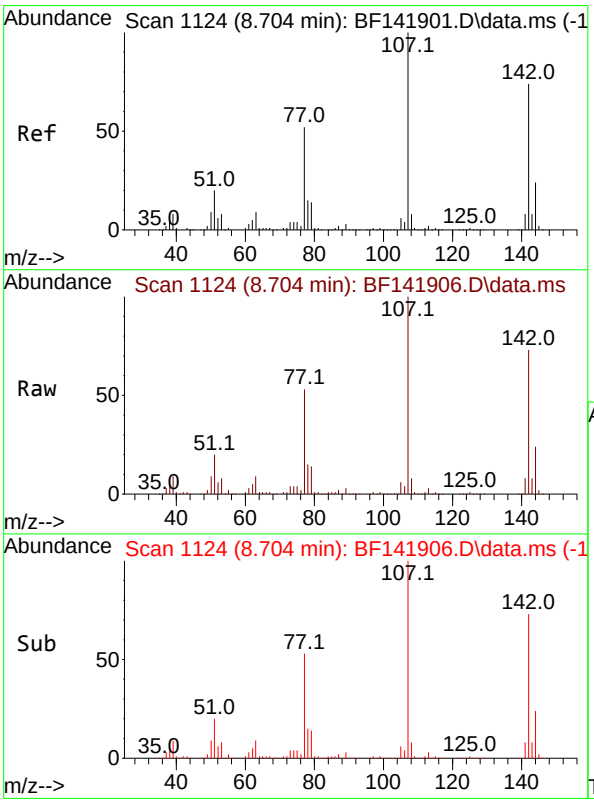
#35
Caprolactam
Concen: 37.276 ng
RT: 8.604 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:113 Resp: 141562

Ion	Ratio	Lower	Upper
113	100		
55	148.0	129.6	169.6
56	121.8	104.0	144.0

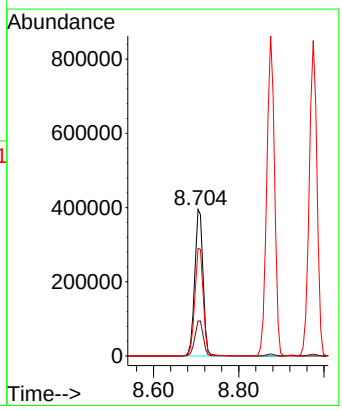


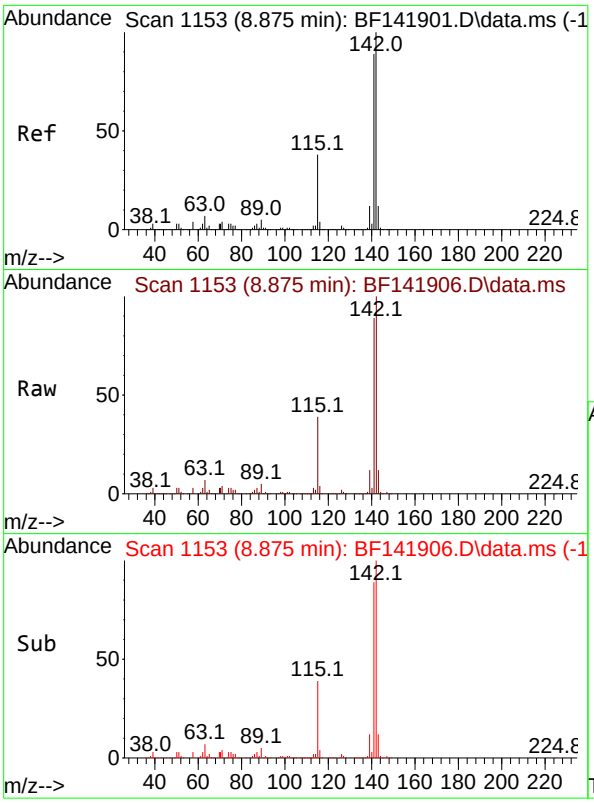


#36
4-Chloro-3-methylphenol
Concen: 38.550 ng
RT: 8.704 min Scan# 1124
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:107 Resp: 535661

Ion	Ratio	Lower	Upper
107	100		
144	23.9	19.0	28.6
142	73.3	59.2	88.8



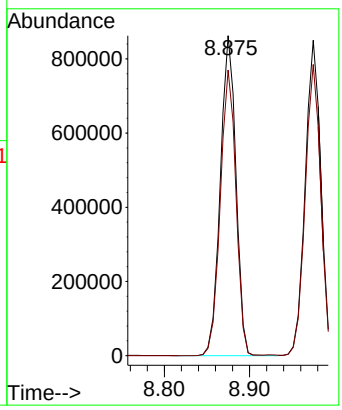


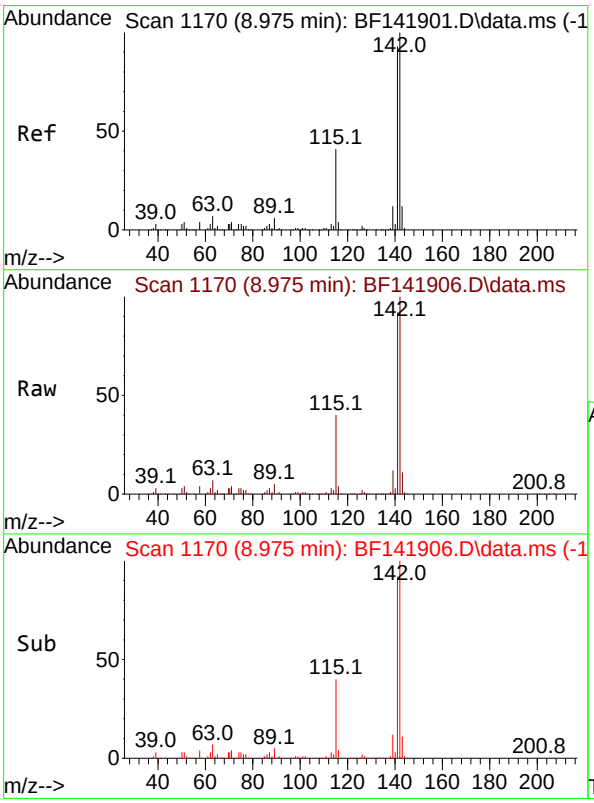
#37
2-Methylnaphthalene
Concen: 37.935 ng
RT: 8.875 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:142 Resp: 1094895

Ion	Ratio	Lower	Upper
142	100		
141	89.3	71.2	106.8

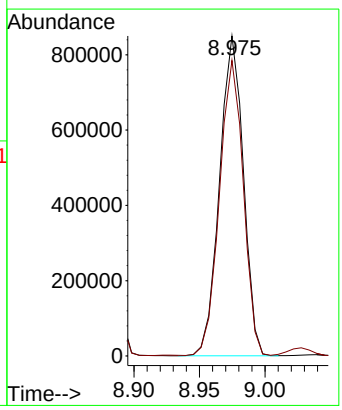


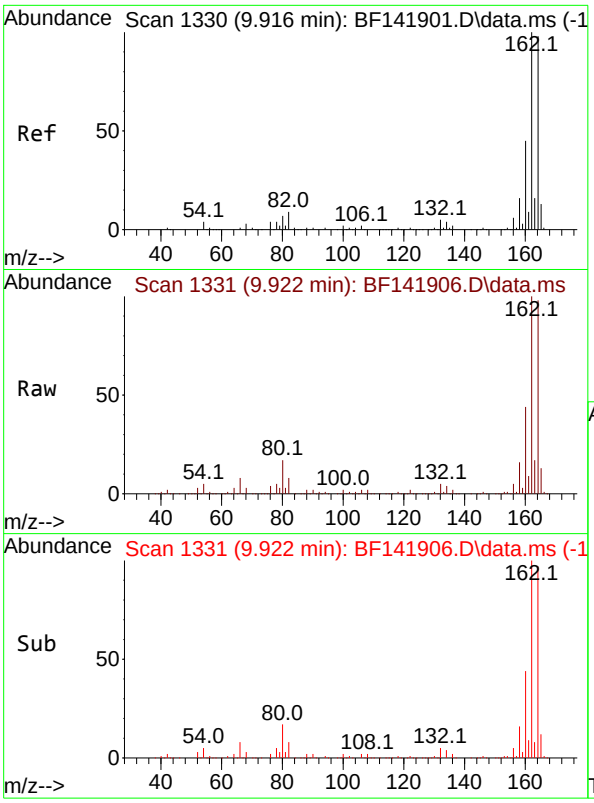


#38
1-Methylnaphthalene
Concen: 38.484 ng
RT: 8.975 min Scan# 1170
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:142 Resp: 1071850

Ion	Ratio	Lower	Upper
142	100		
141	92.3	74.2	111.4



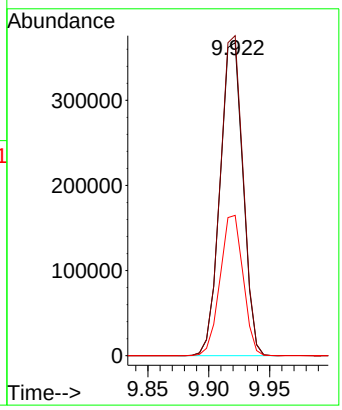


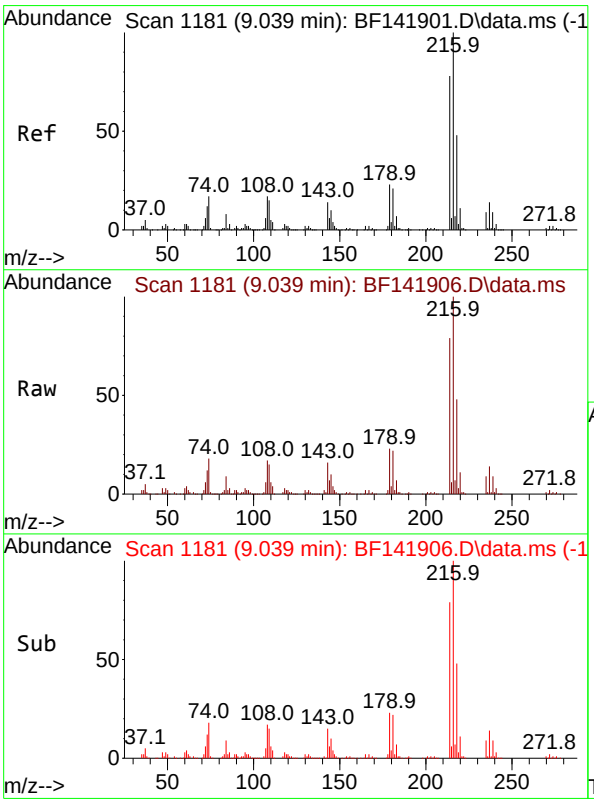
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:164 Resp: 483165

Ion	Ratio	Lower	Upper
164	100		
162	102.2	81.8	122.6
160	44.8	36.7	55.1

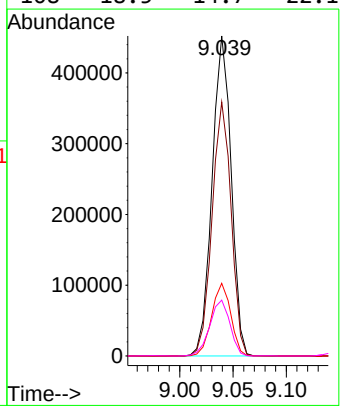


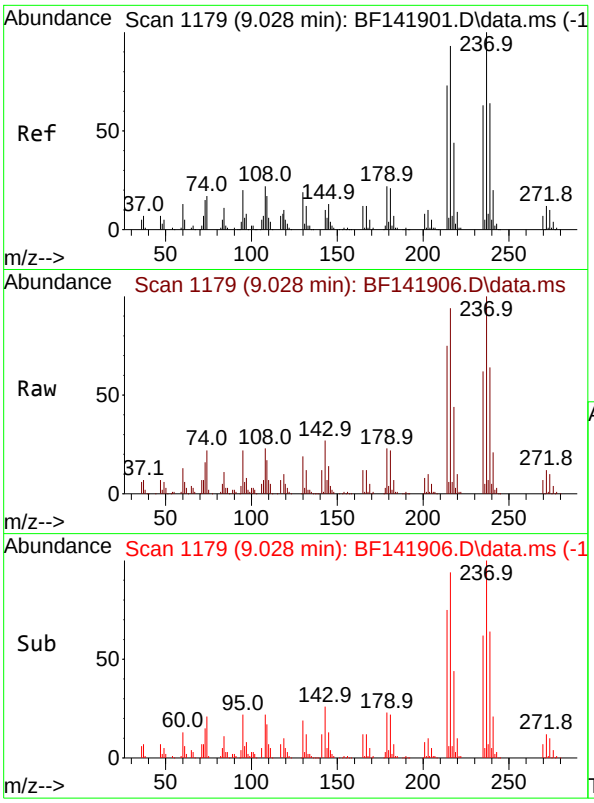


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.191 ng
RT: 9.039 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:216 Resp: 561804

Ion	Ratio	Lower	Upper
216	100		
214	79.2	61.9	92.9
179	22.7	18.1	27.1
108	18.5	14.7	22.1



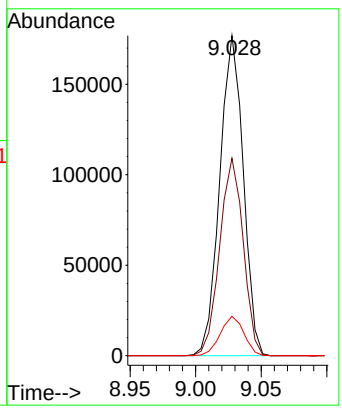


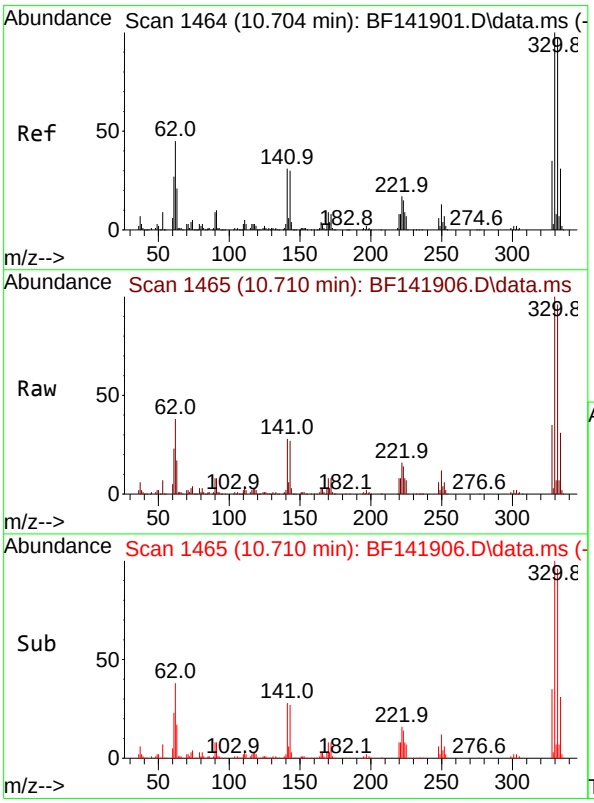
#41
Hexachlorocyclopentadiene
Concen: 38.281 ng
RT: 9.028 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:237 Resp: 220386

Ion	Ratio	Lower	Upper
237	100		
235	61.7	43.1	83.1
272	12.3	0.0	32.0

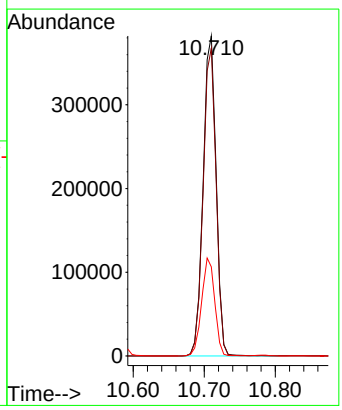


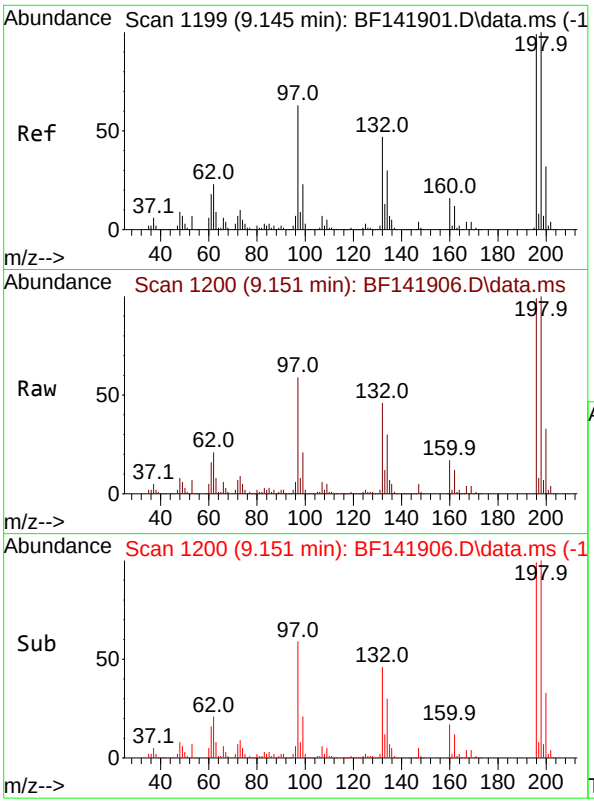


#42
2,4,6-Tribromophenol
Concen: 79.342 ng
RT: 10.710 min Scan# 1465
Delta R.T. 0.006 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:330 Resp: 486334

Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.6	116.4
141	30.9	24.7	37.1



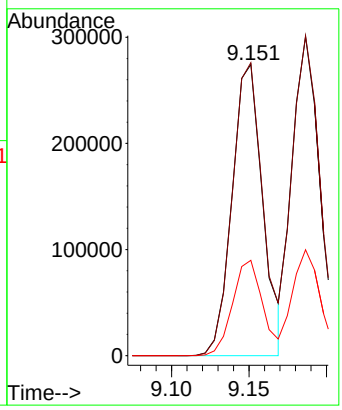


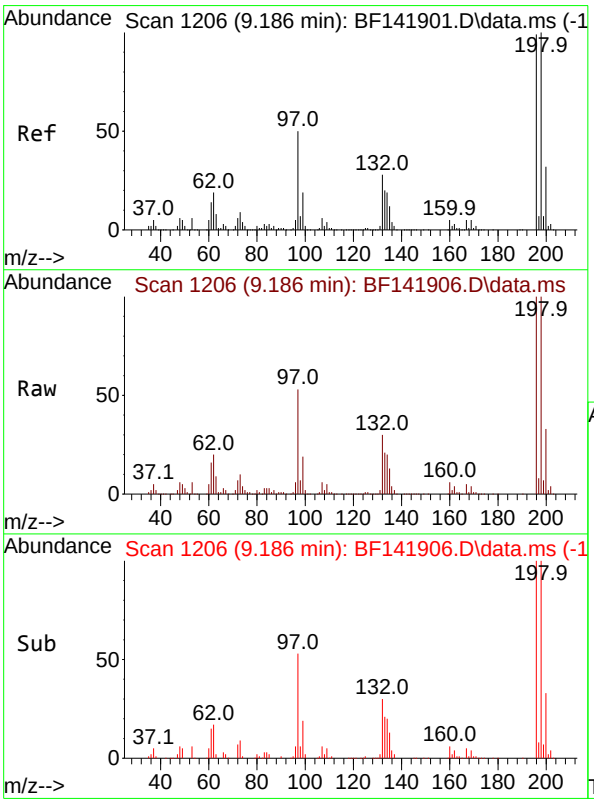
#43
2,4,6-Trichlorophenol
Concen: 39.292 ng
RT: 9.151 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:196 Resp: 377743

Ion	Ratio	Lower	Upper
196	100		
198	100.6	80.6	121.0
200	32.8	25.8	38.6

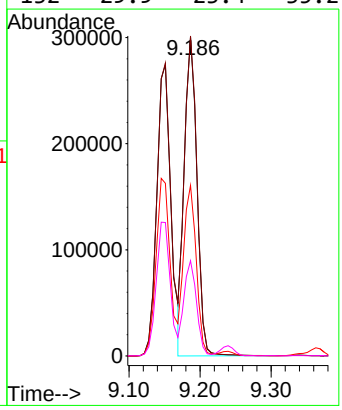


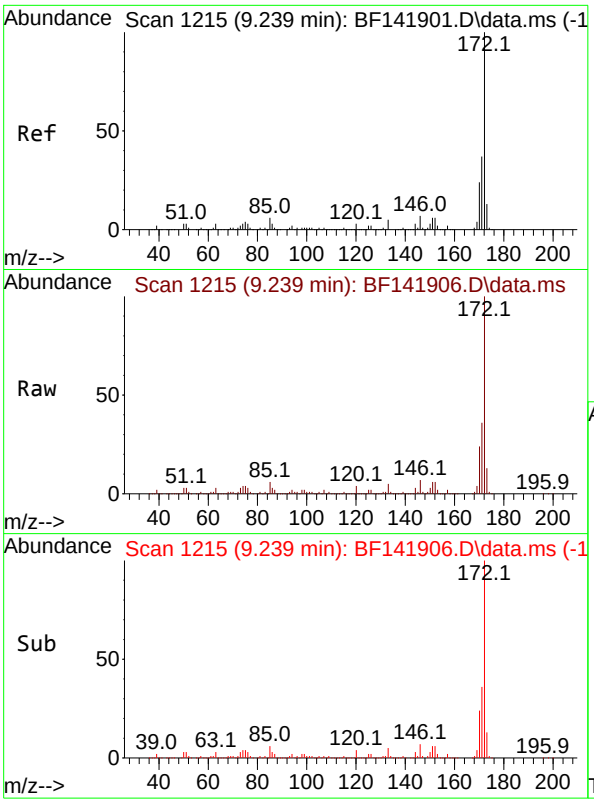


#44
2,4,5-Trichlorophenol
Concen: 38.263 ng
RT: 9.186 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:196 Resp: 372564

Ion	Ratio	Lower	Upper
196	100		
198	100.3	80.7	121.1
97	53.5	42.1	63.1
132	29.9	23.4	35.2



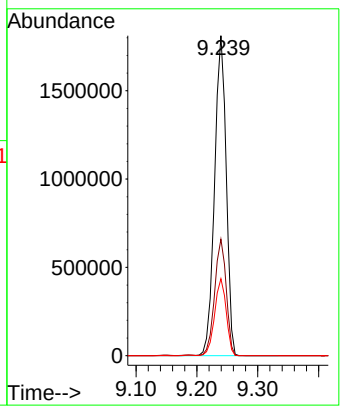


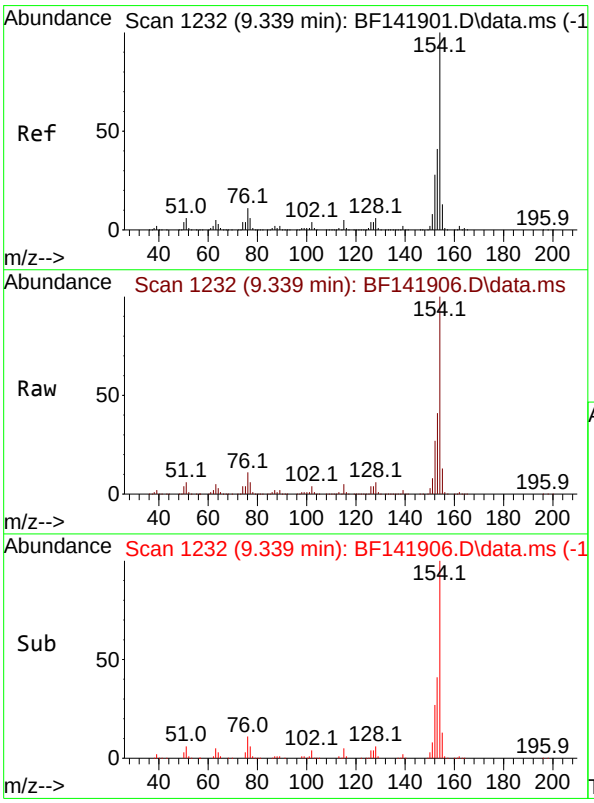
#45
2-Fluorobiphenyl
Concen: 75.528 ng
RT: 9.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:172 Resp: 2399526

Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.3	43.9
170	24.1	19.4	29.0

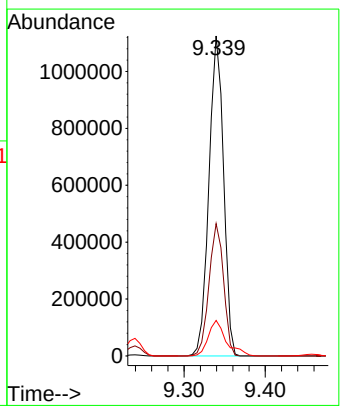


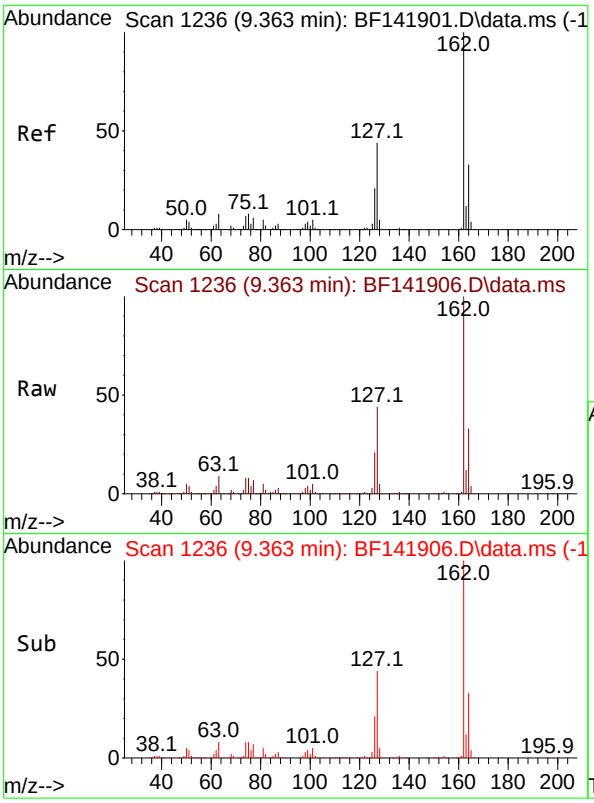


#46
1,1'-Biphenyl
Concen: 38.182 ng
RT: 9.339 min Scan# 1232
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:154 Resp: 1401736

Ion	Ratio	Lower	Upper
154	100		
153	41.3	21.1	61.1
76	11.1	0.0	31.3



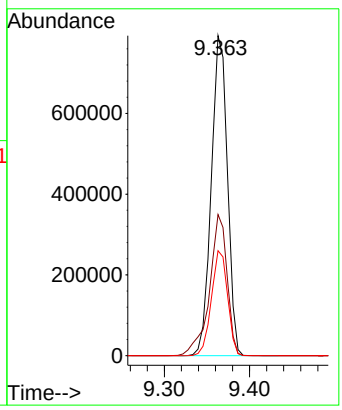


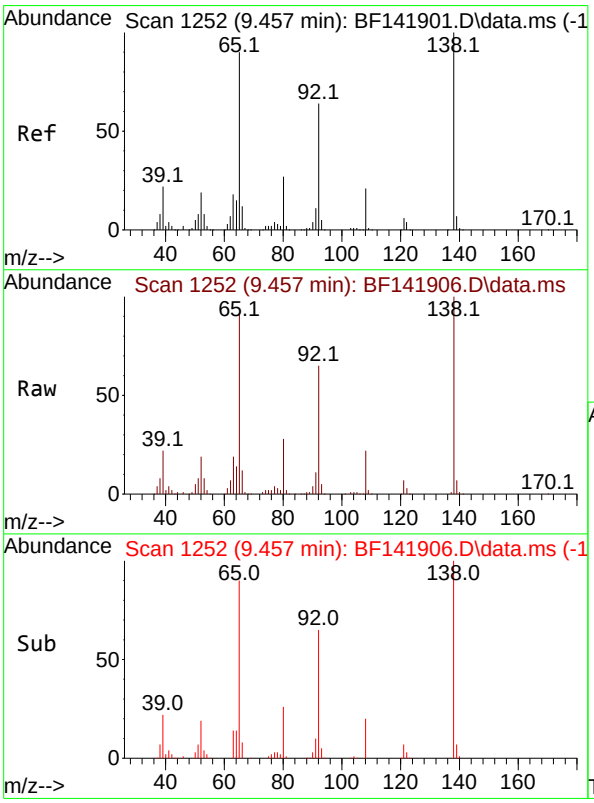
#47
2-Chloronaphthalene
Concen: 38.090 ng
RT: 9.363 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:162 Resp: 1042241

Ion	Ratio	Lower	Upper
162	100		
127	44.1	35.5	53.3
164	32.8	26.6	40.0

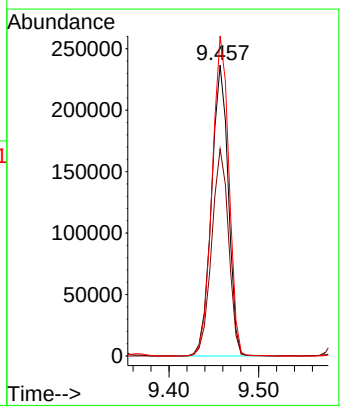


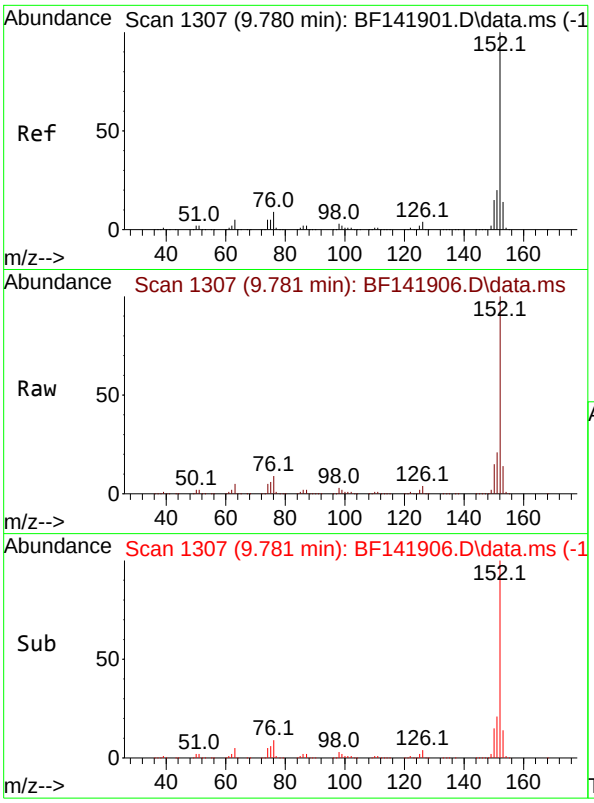


#48
2-Nitroaniline
Concen: 38.908 ng
RT: 9.457 min Scan# 1252
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion: 65 Resp: 308259

Ion	Ratio	Lower	Upper
65	100		
92	71.2	56.6	84.8
138	110.1	88.6	133.0



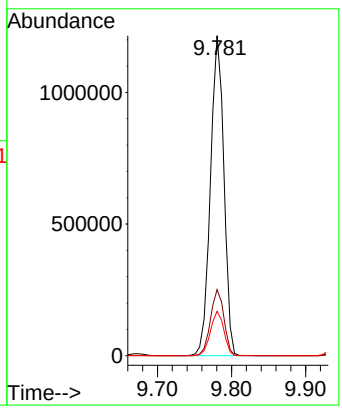


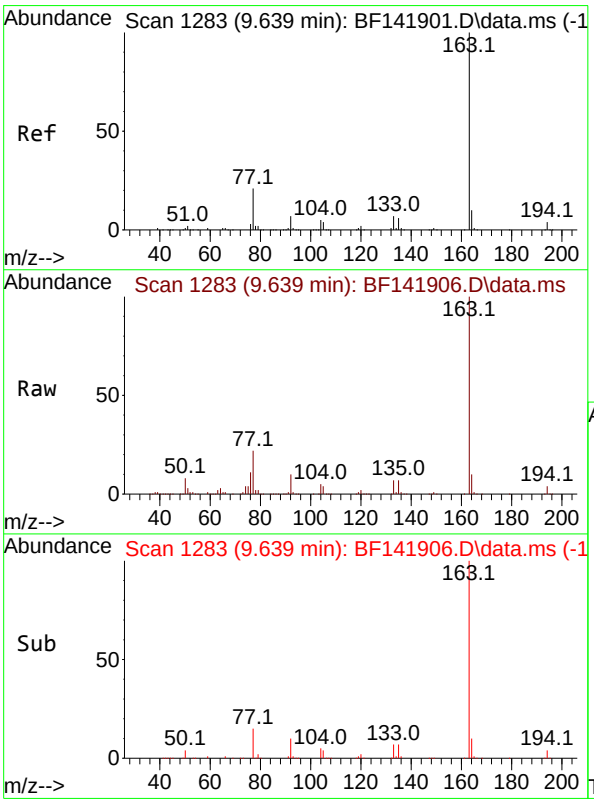
#49
Acenaphthylene
Concen: 37.725 ng
RT: 9.781 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:152 Resp: 1531852

Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.3	24.5
153	13.9	11.1	16.7

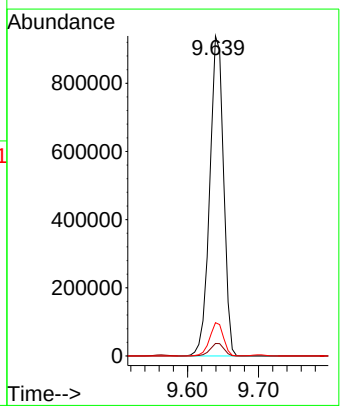


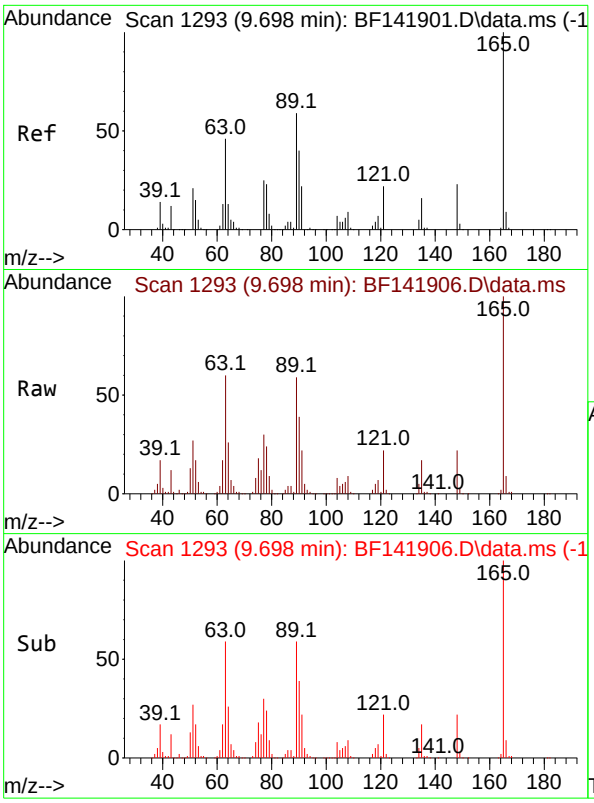


#50
Dimethylphthalate
Concen: 37.611 ng
RT: 9.639 min Scan# 1283
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:163 Resp: 1272572

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.4	8.2	12.4



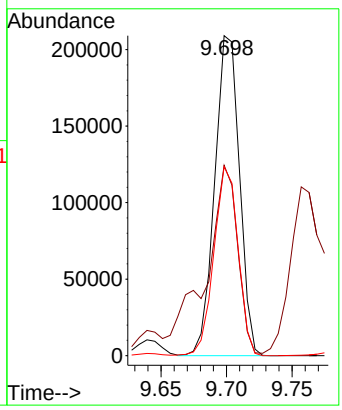


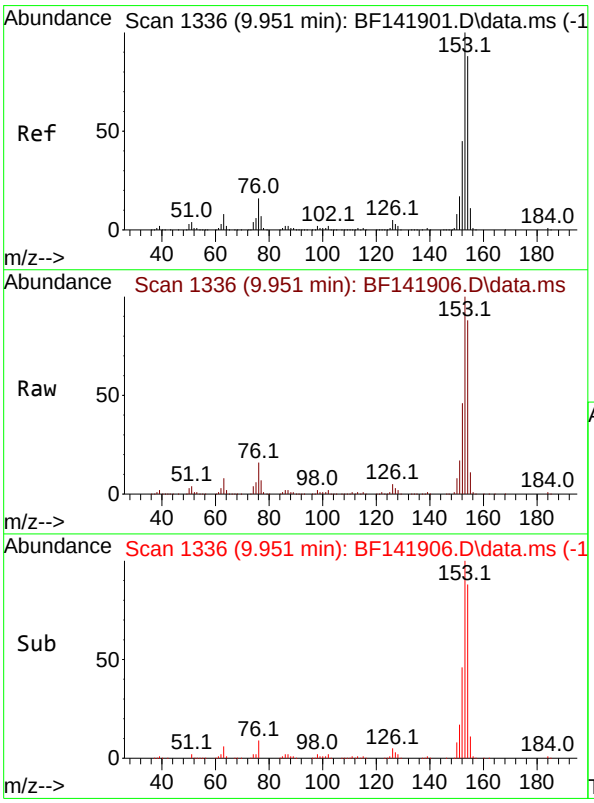
#51
2,6-Dinitrotoluene
Concen: 38.970 ng
RT: 9.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:165 Resp: 274531

Ion	Ratio	Lower	Upper
165	100		
63	59.5	47.0	70.4
89	59.1	47.4	71.2

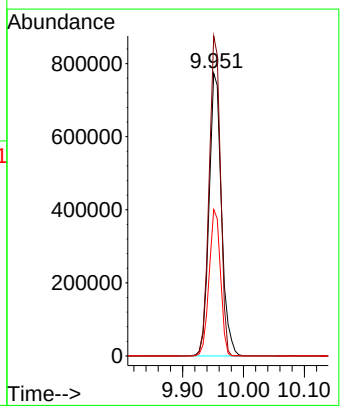


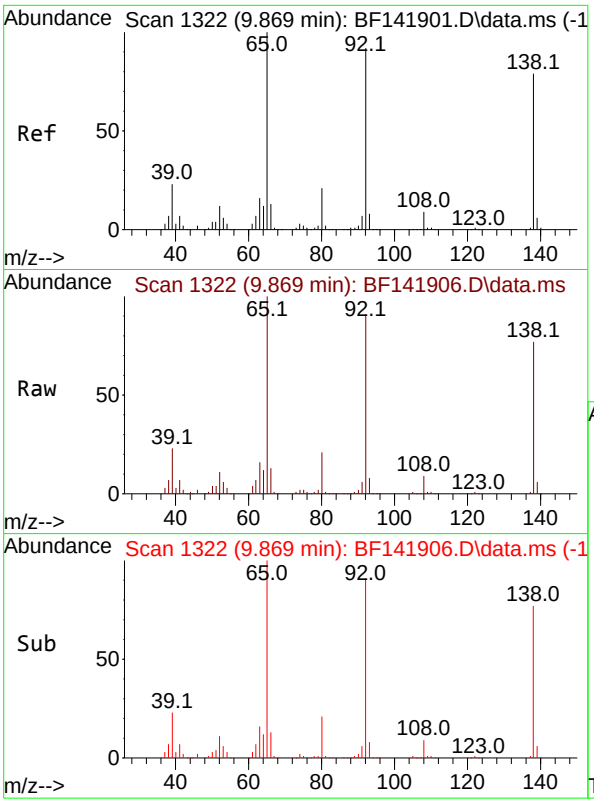


#52
Acenaphthene
Concen: 38.405 ng
RT: 9.951 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:154 Resp: 1095922

Ion	Ratio	Lower	Upper
154	100		
153	113.2	90.7	136.1
152	51.8	41.1	61.7



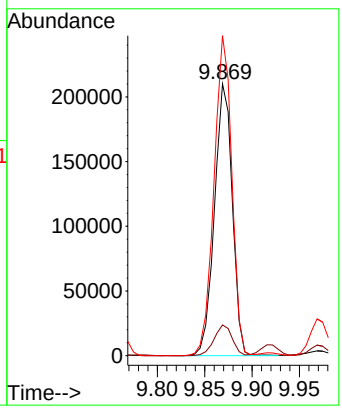


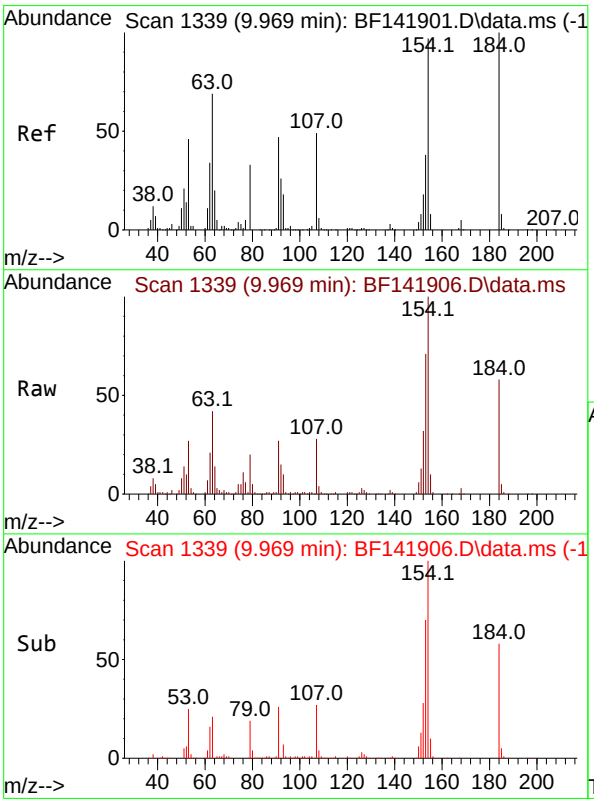
#53
3-Nitroaniline
Concen: 38.561 ng
RT: 9.869 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:138 Resp: 275555

Ion	Ratio	Lower	Upper
138	100		
108	11.3	9.3	13.9
92	117.7	93.5	140.3

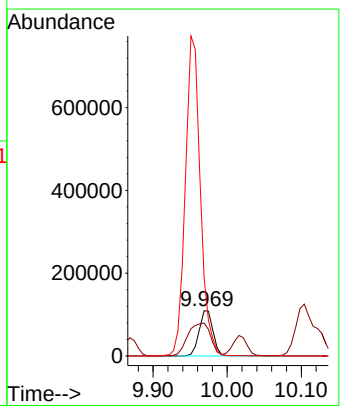


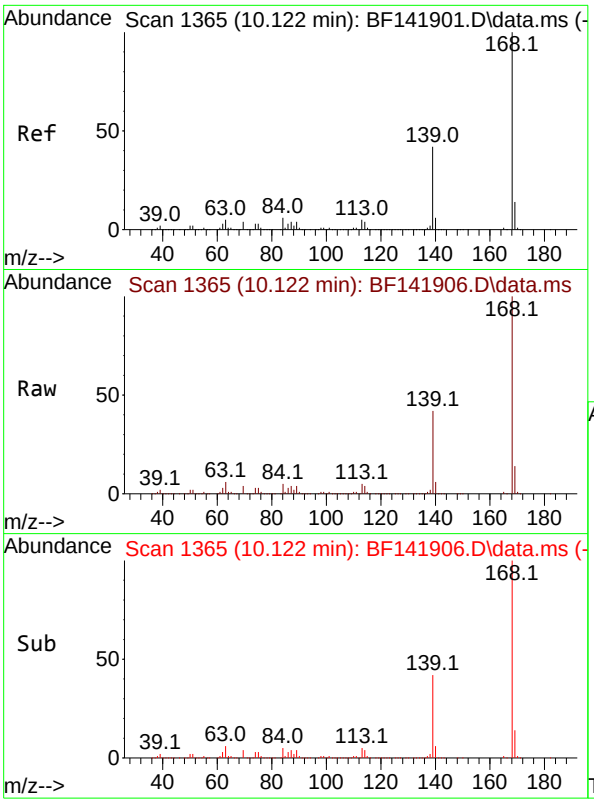


#54
2,4-Dinitrophenol
Concen: 39.326 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:184 Resp: 142831

Ion	Ratio	Lower	Upper
184	100		
63	73.1	60.2	90.4
154	173.5	132.9	199.3



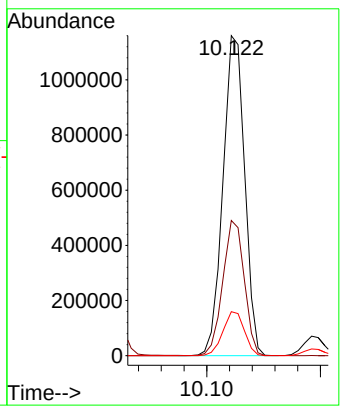


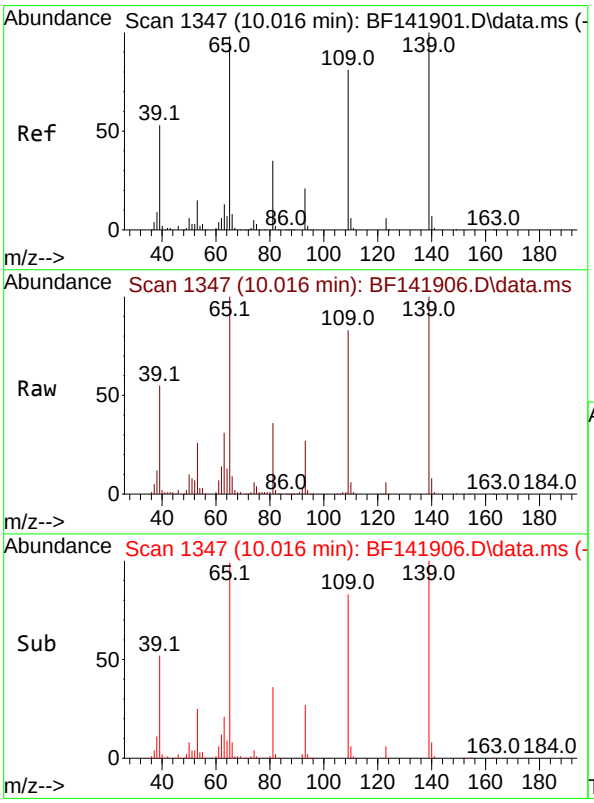
#55
Dibenzofuran
Concen: 37.778 ng
RT: 10.122 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:168 Resp: 1540381

Ion	Ratio	Lower	Upper
168	100		
139	42.2	33.9	50.9
169	13.8	11.0	16.4

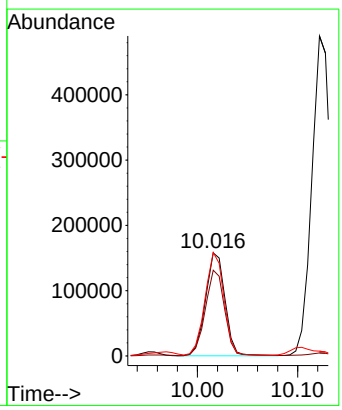


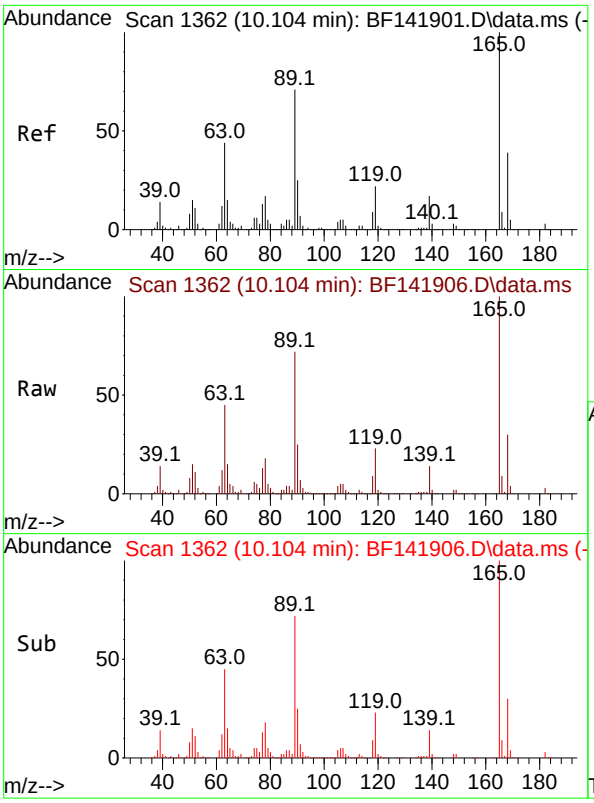


#56
4-Nitrophenol
Concen: 39.425 ng
RT: 10.016 min Scan# 1347
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:139 Resp: 212462

Ion	Ratio	Lower	Upper
139	100		
109	83.2	61.6	101.6
65	100.4	79.4	119.4



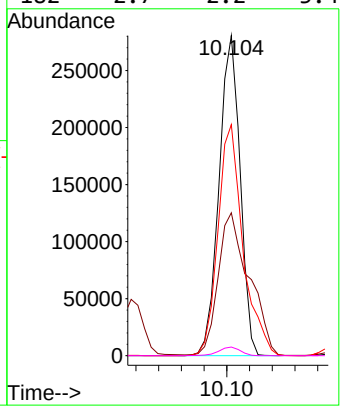


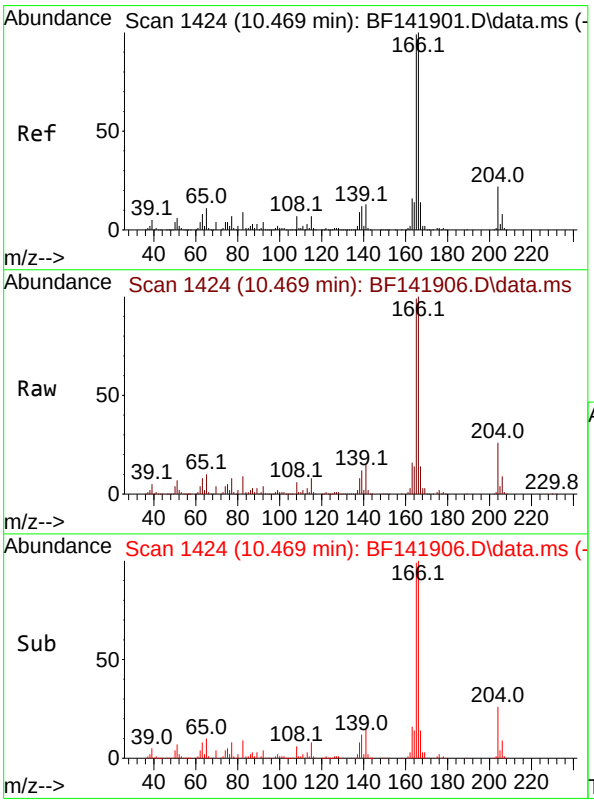
#57
2,4-Dinitrotoluene
Concen: 39.291 ng
RT: 10.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:165 Resp: 361518

Ion	Ratio	Lower	Upper
165	100		
63	44.7	35.4	53.2
89	72.2	56.6	84.8
182	2.7	2.2	3.4

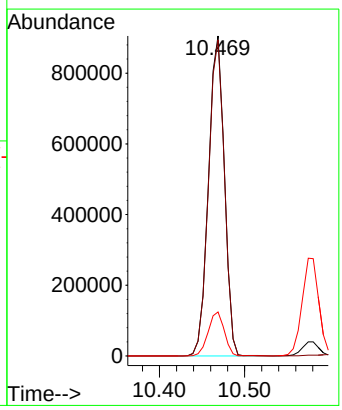


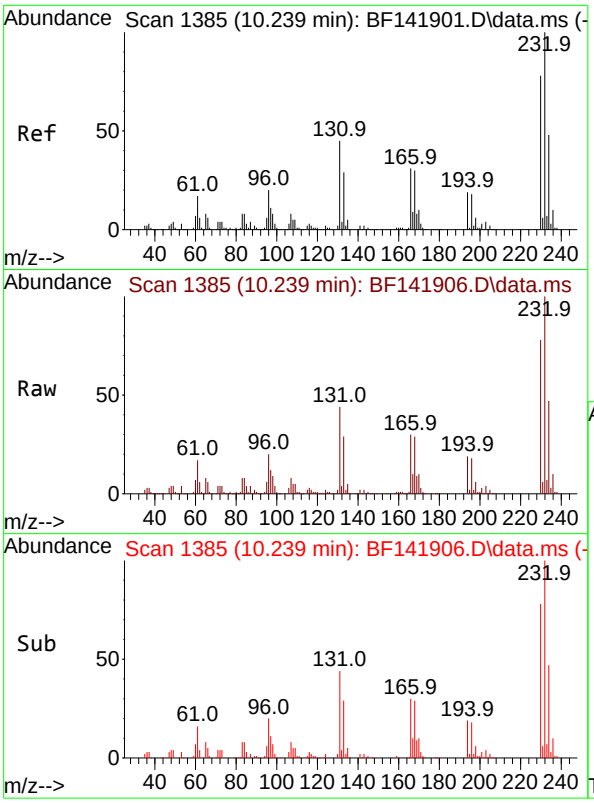


#58
Fluorene
Concen: 37.381 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:166 Resp: 1175392

Ion	Ratio	Lower	Upper
166	100		
165	98.8	79.0	118.4
167	13.8	11.0	16.4



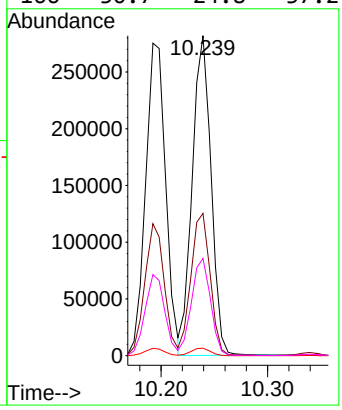


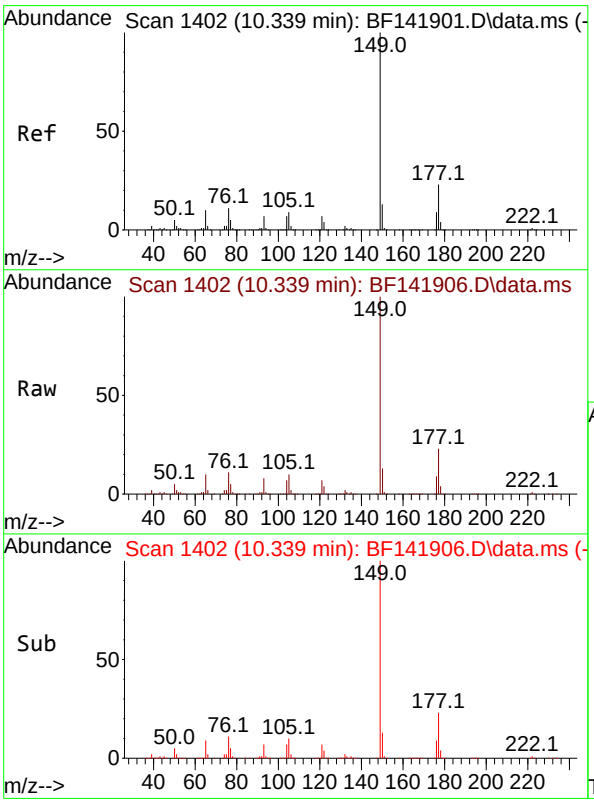
#59
2,3,4,6-Tetrachlorophenol
Concen: 39.070 ng
RT: 10.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:232 Resp: 346168

Ion	Ratio	Lower	Upper
232	100		
131	45.8	37.3	55.9
130	2.4	1.9	2.9
166	30.7	24.8	37.2

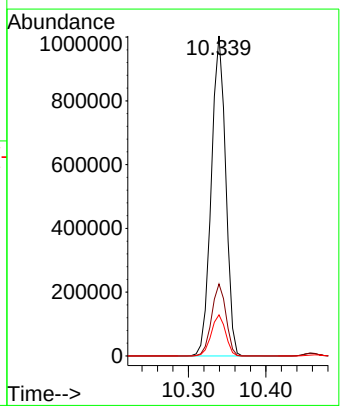


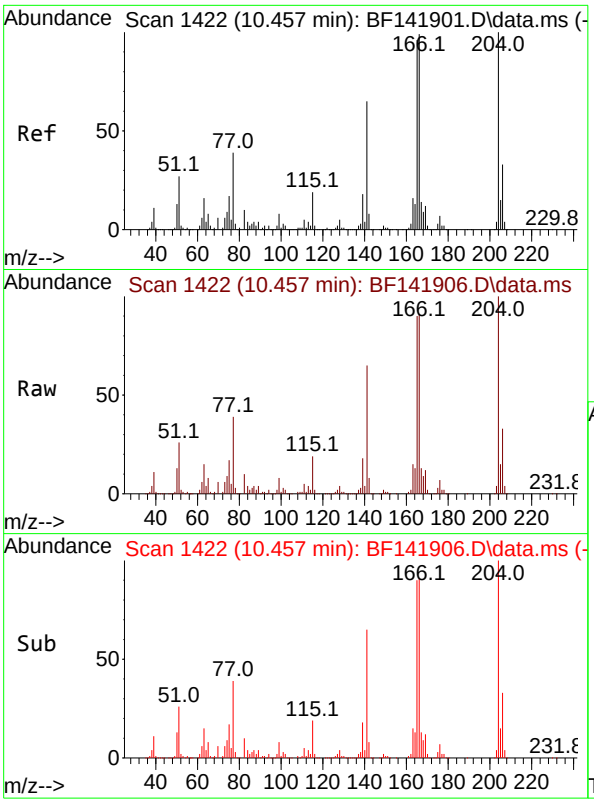


#60
Diethylphthalate
Concen: 38.337 ng
RT: 10.339 min Scan# 1402
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:149 Resp: 1293401

Ion	Ratio	Lower	Upper
149	100		
177	22.5	18.0	27.0
150	12.8	10.2	15.4



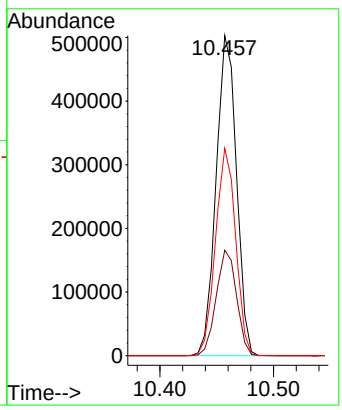


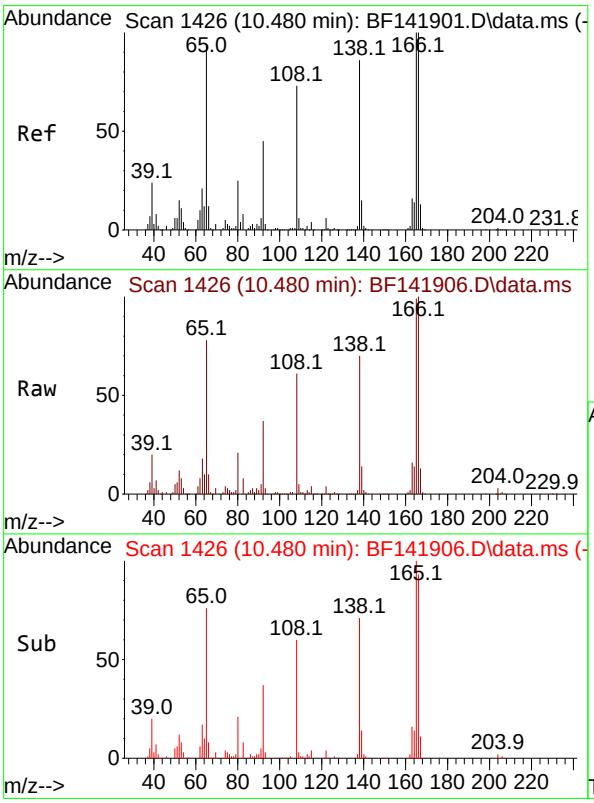
#61
4-Chlorophenyl-phenylether
Concen: 38.272 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:204 Resp: 627404

Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.8	40.2
141	64.8	52.4	78.6

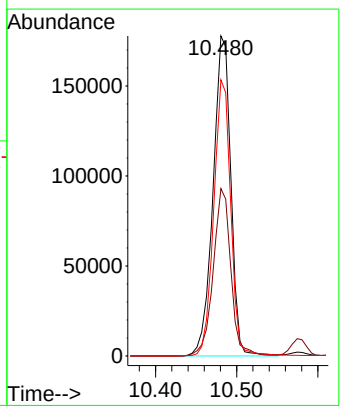


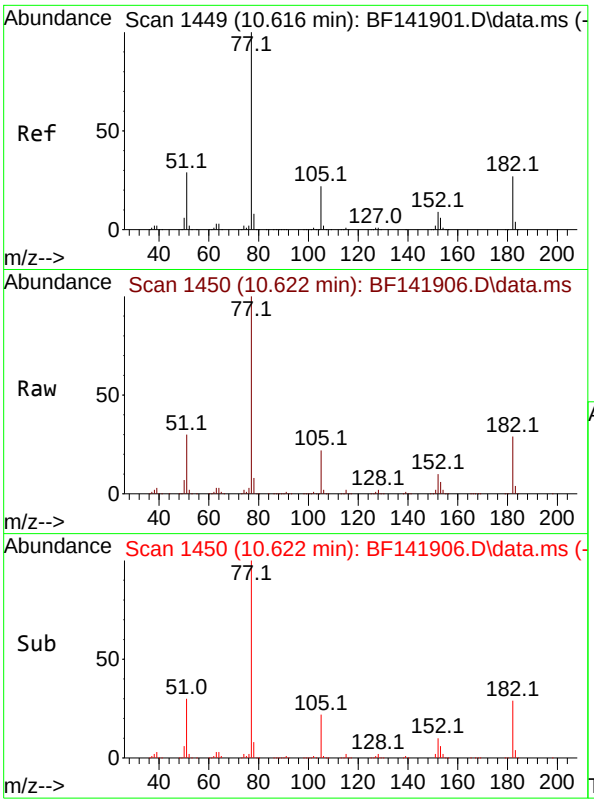


#62
4-Nitroaniline
Concen: 38.953 ng
RT: 10.480 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:138 Resp: 270993

Ion	Ratio	Lower	Upper
138	100		
92	52.3	32.6	72.6
108	86.3	65.0	105.0



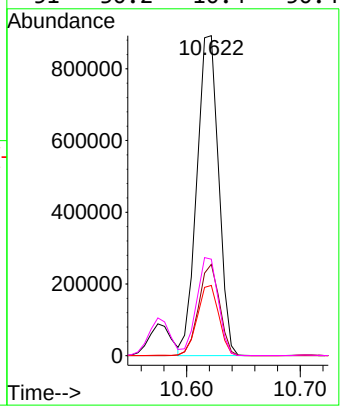


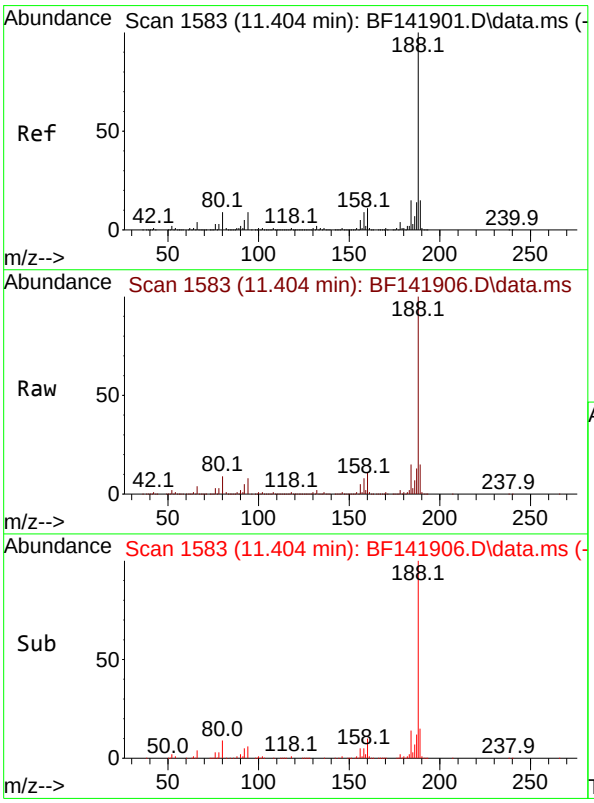
#63
Azobenzene
Concen: 37.911 ng
RT: 10.622 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion: 77 Resp: 1189121

Ion	Ratio	Lower	Upper
77	100		
182	28.5	6.6	46.6
105	22.0	1.3	41.3
51	30.2	10.4	50.4

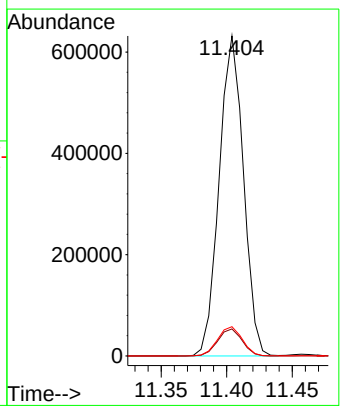


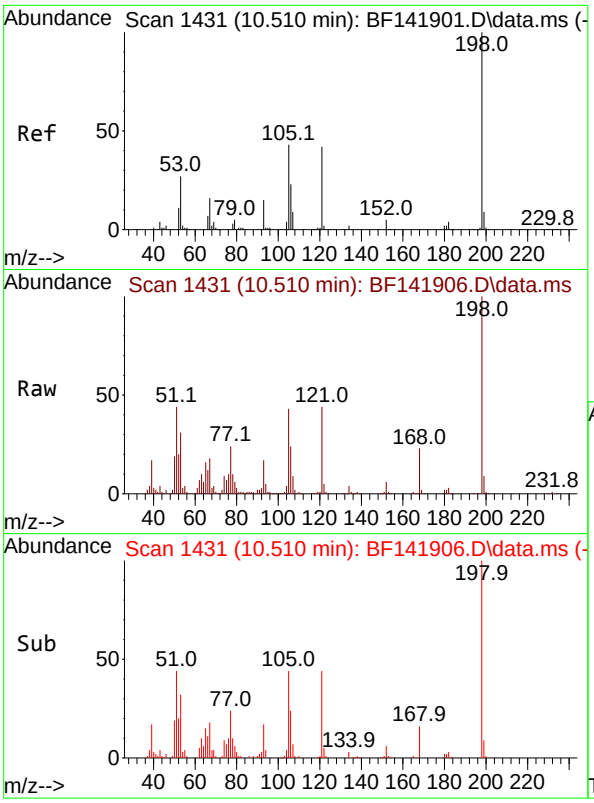


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:188 Resp: 813672

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.8	10.2
80	9.1	7.6	11.4



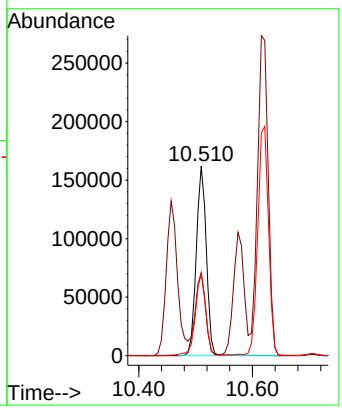


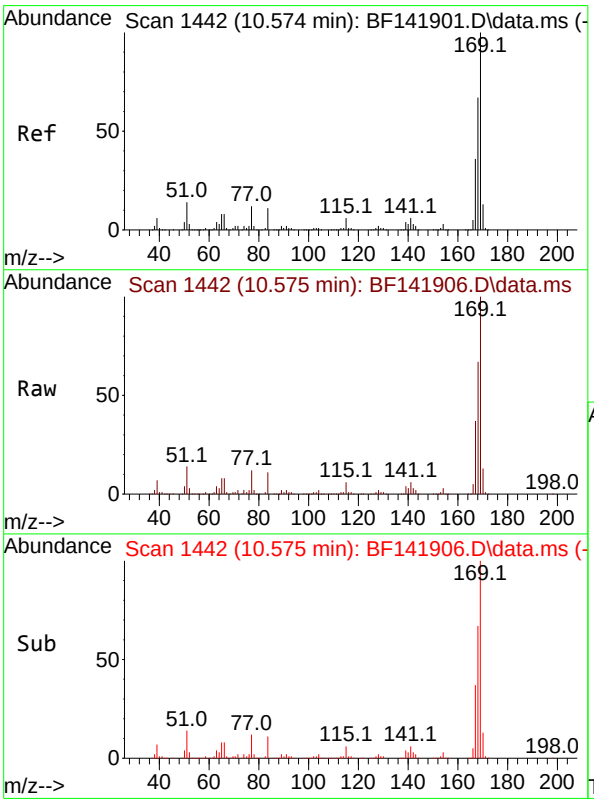
#65
4,6-Dinitro-2-methylphenol
Concen: 41.415 ng
RT: 10.510 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:198 Resp: 200888

Ion	Ratio	Lower	Upper
198	100		
51	43.7	22.3	62.3
105	43.4	23.0	63.0

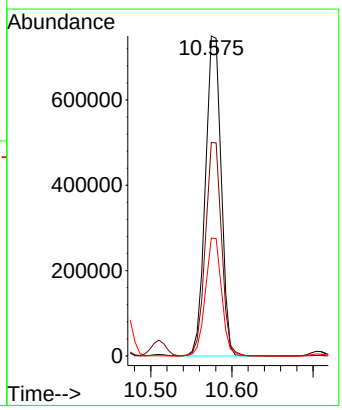


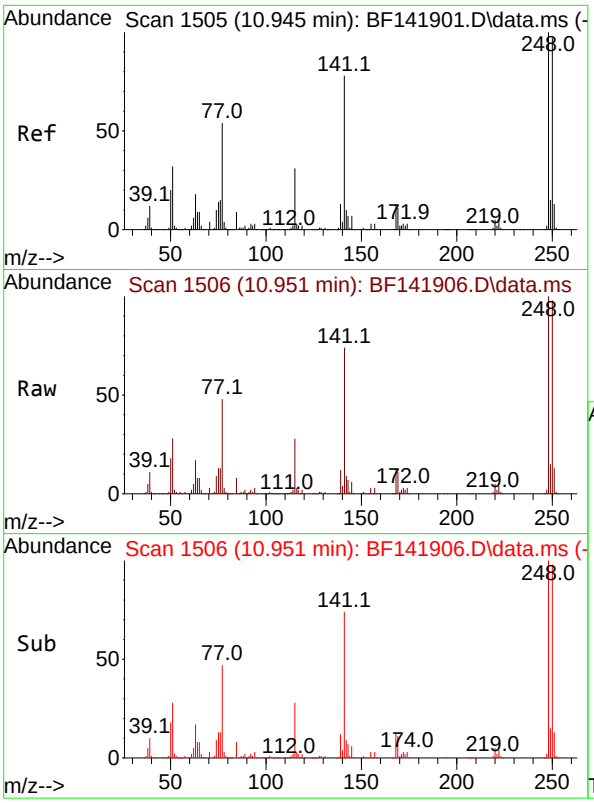


#66
n-Nitrosodiphenylamine
Concen: 38.283 ng
RT: 10.575 min Scan# 1442
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:169 Resp: 1008029

Ion	Ratio	Lower	Upper
169	100		
168	66.7	53.7	80.5
167	36.9	29.2	43.8



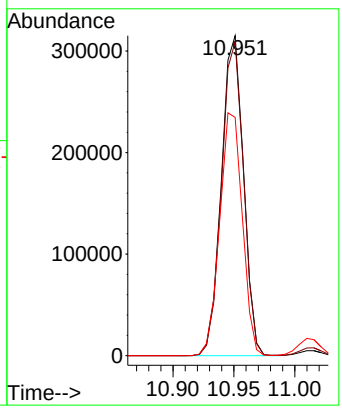


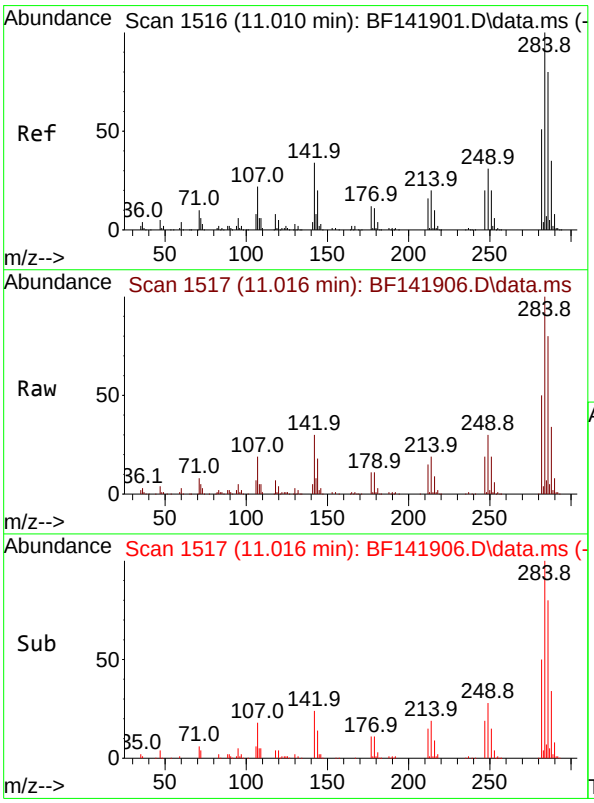
#67
4-Bromophenyl-phenylether
Concen: 39.015 ng
RT: 10.951 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:248 Resp: 398683

Ion	Ratio	Lower	Upper
248	100		
250	98.1	77.8	116.8
141	74.4	62.6	93.8

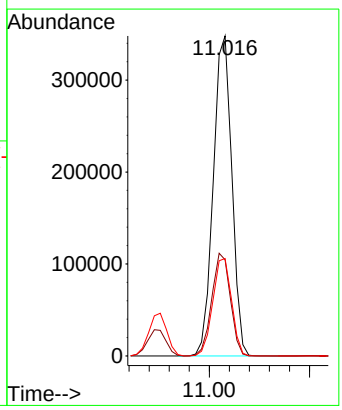


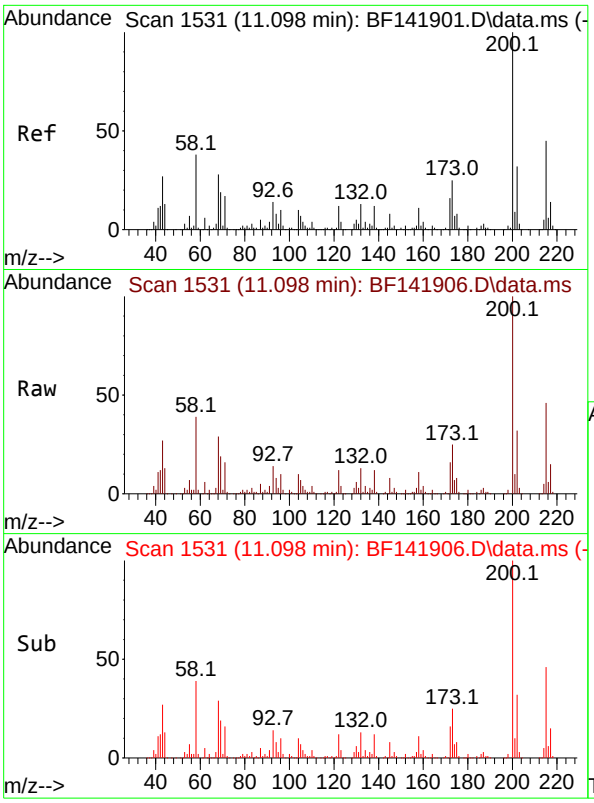


#68
Hexachlorobenzene
Concen: 39.789 ng
RT: 11.016 min Scan# 1517
Delta R.T. 0.006 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:284 Resp: 445938

Ion	Ratio	Lower	Upper
284	100		
142	30.0	27.0	40.6
249	30.5	25.2	37.8



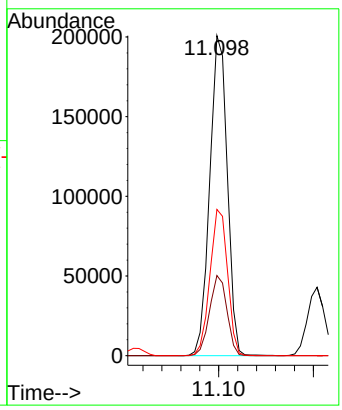


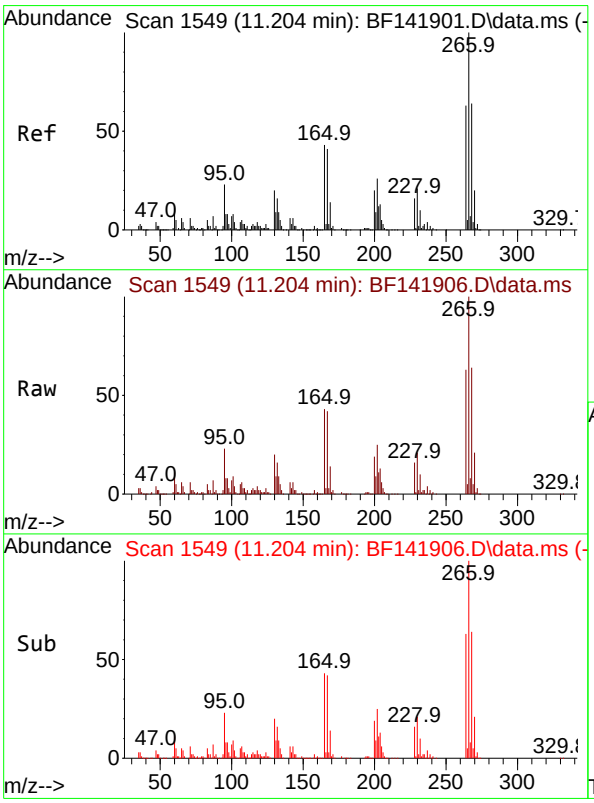
#69
Atrazine
Concen: 31.945 ng
RT: 11.098 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:200 Resp: 257856

Ion	Ratio	Lower	Upper
200	100		
173	25.1	4.7	44.7
215	45.7	25.4	65.4

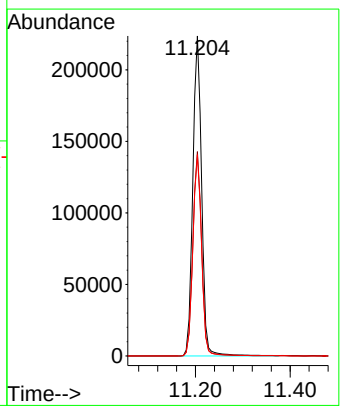


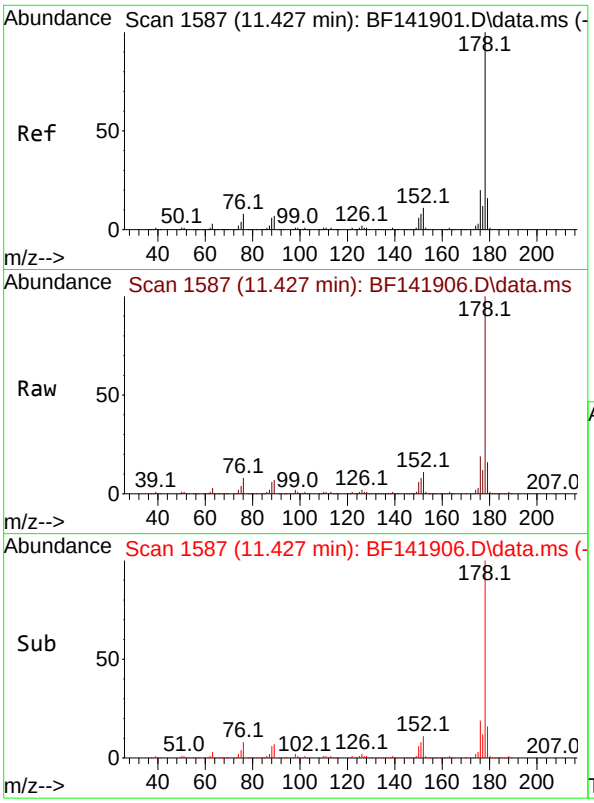


#70
Pentachlorophenol
Concen: 41.955 ng
RT: 11.204 min Scan# 1549
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:266 Resp: 289713

Ion	Ratio	Lower	Upper
266	100		
268	63.8	51.0	76.6
264	62.9	50.2	75.2



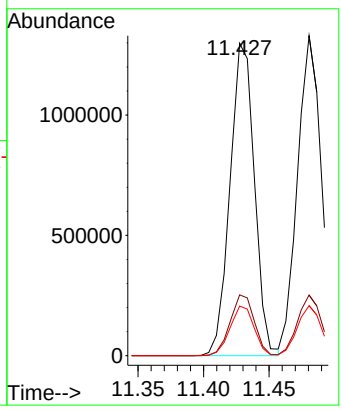


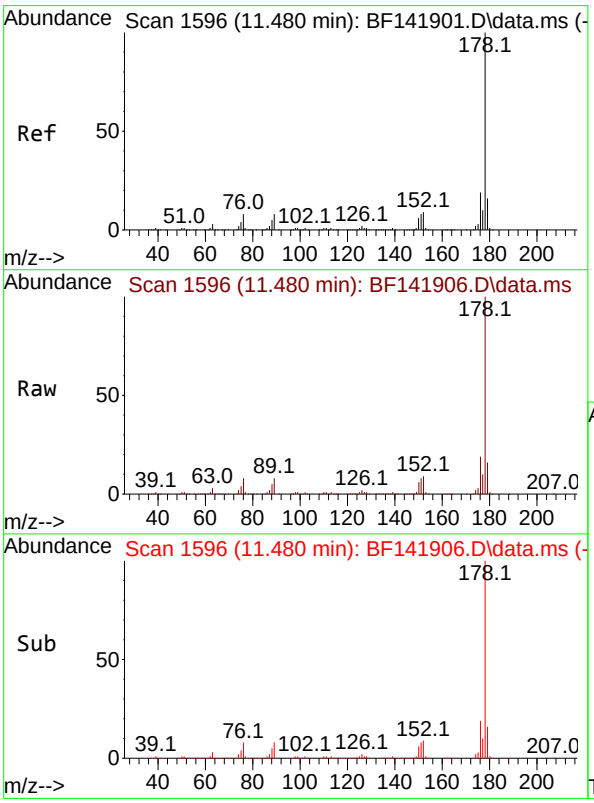
#71
Phenanthrene
Concen: 38.357 ng
RT: 11.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:178 Resp: 1685770

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.9	12.6	19.0

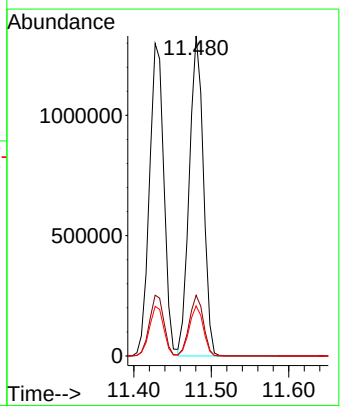


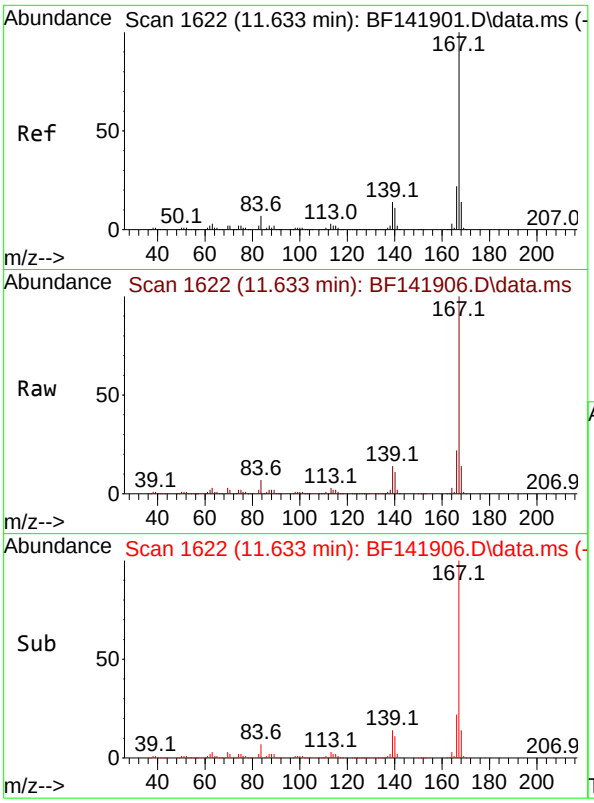


#72
Anthracene
Concen: 37.991 ng
RT: 11.480 min Scan# 1596
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:178 Resp: 1675103

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.1	22.7
179	15.7	12.6	19.0



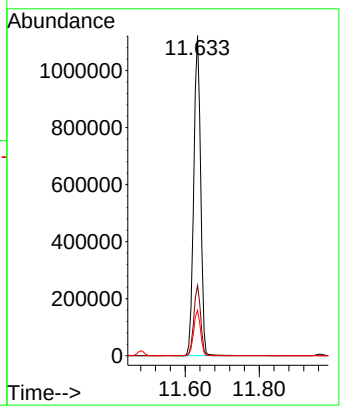


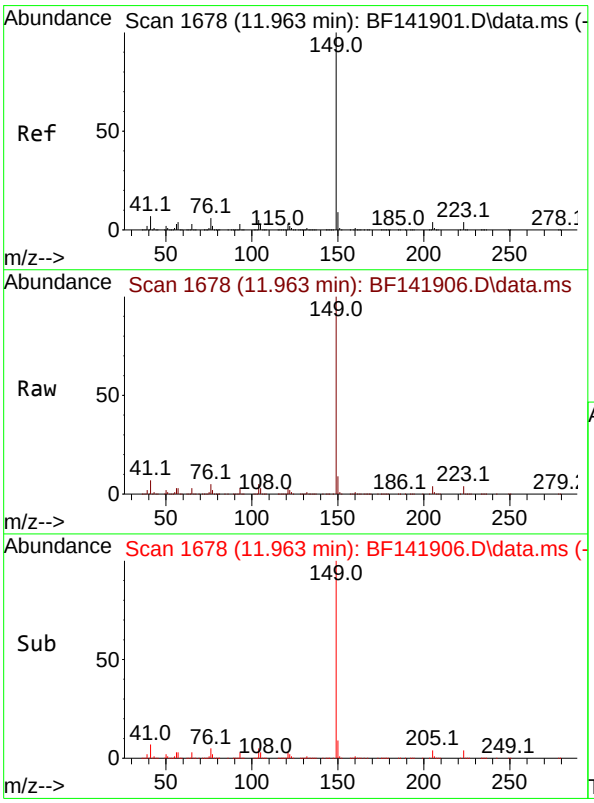
#73
Carbazole
Concen: 38.167 ng
RT: 11.633 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:167 Resp: 1451333

Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.4	26.2
139	14.2	11.0	16.6

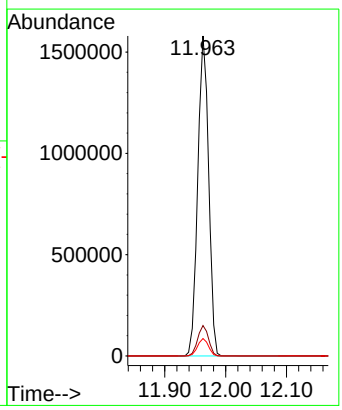


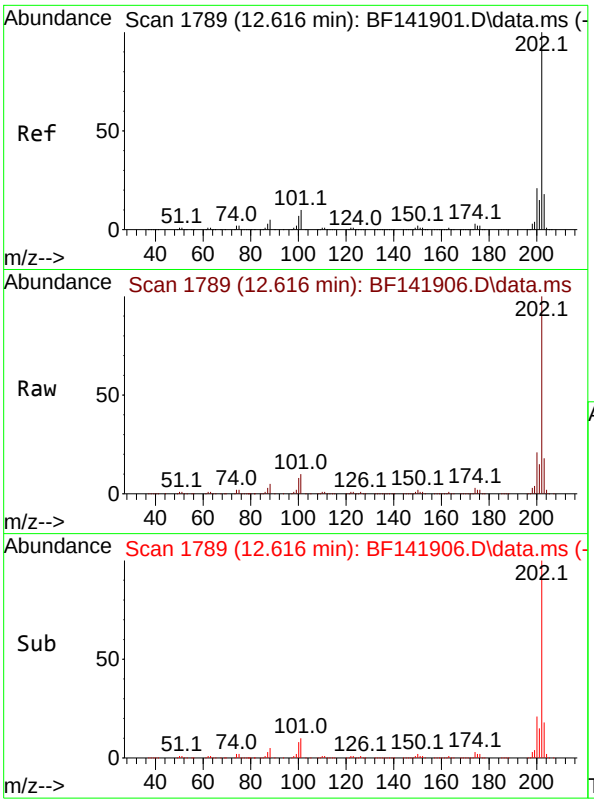


#74
Di-n-butylphthalate
Concen: 38.717 ng
RT: 11.963 min Scan# 1678
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:149 Resp: 1953516

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.6	11.4
104	5.5	4.4	6.6



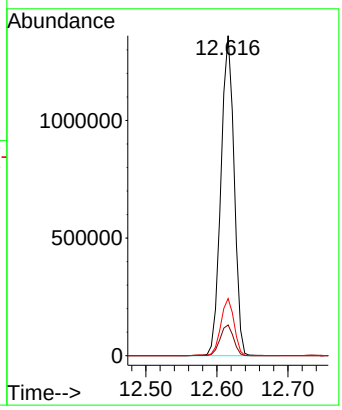


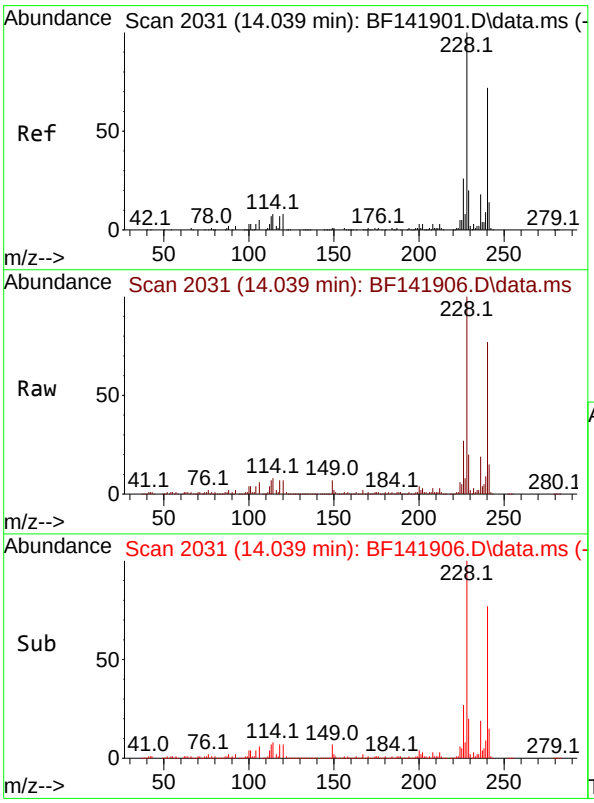
#75
Fluoranthene
Concen: 37.545 ng
RT: 12.616 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:202 Resp: 1750317

Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	29.7
203	17.9	0.0	37.8

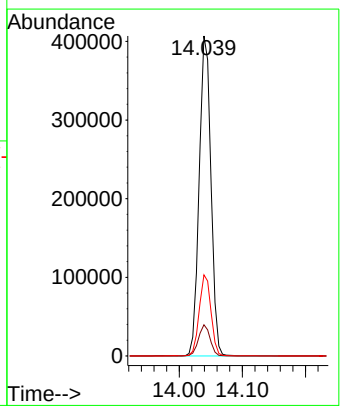


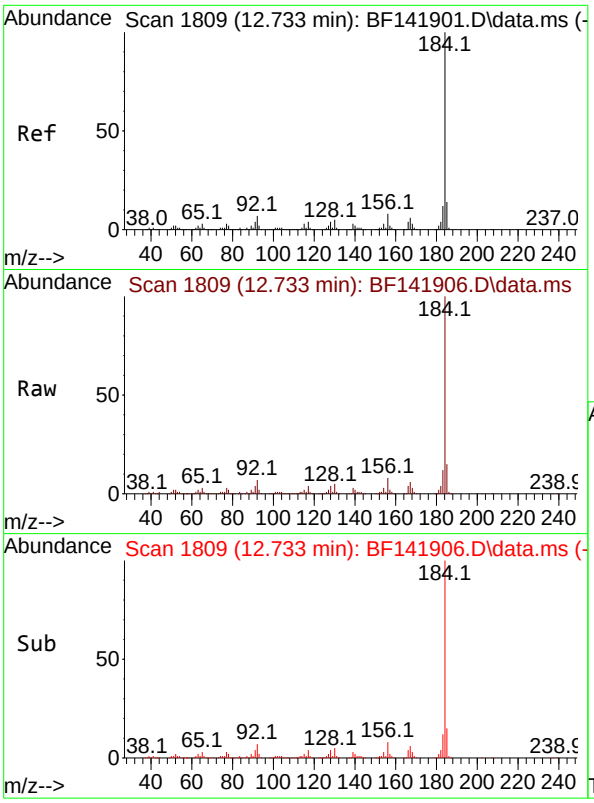


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:240 Resp: 523890

Ion	Ratio	Lower	Upper
240	100		
120	9.8	8.4	12.6
236	25.3	20.5	30.7



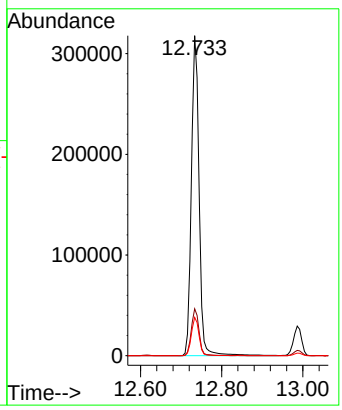


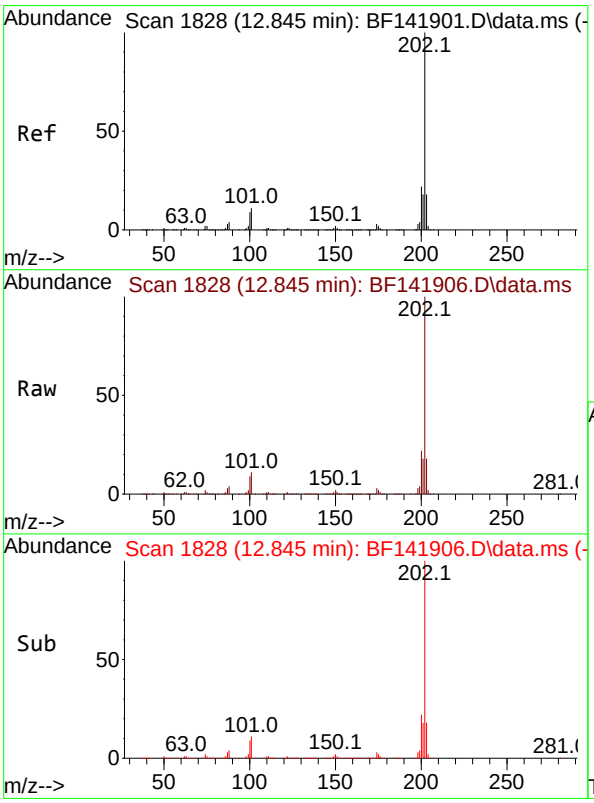
#77
Benzidine
Concen: 57.513 ng
RT: 12.733 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:184 Resp: 420377

Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.5	17.3
183	12.0	9.7	14.5

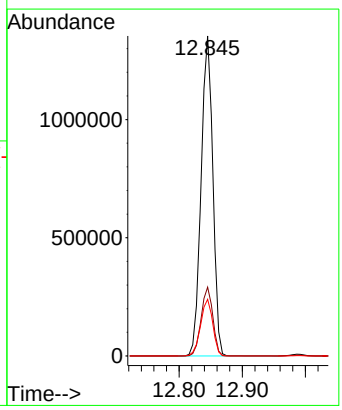


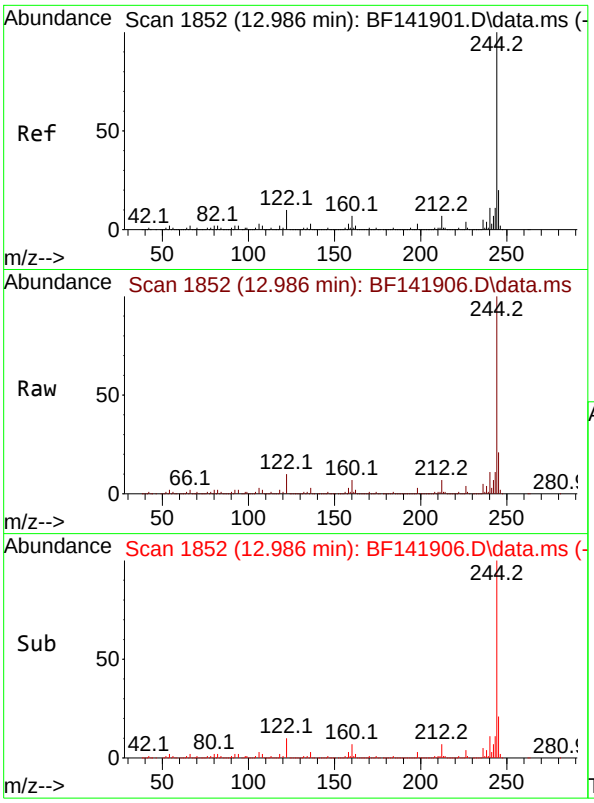


#78
Pyrene
Concen: 38.539 ng
RT: 12.845 min Scan# 1828
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:202 Resp: 1746456

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.3	25.9
203	17.7	14.4	21.6



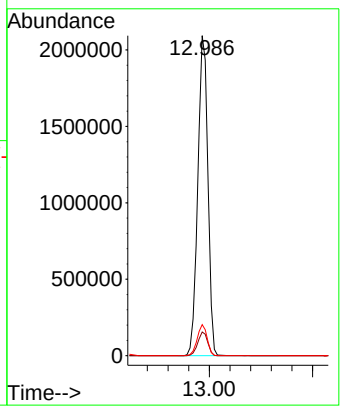


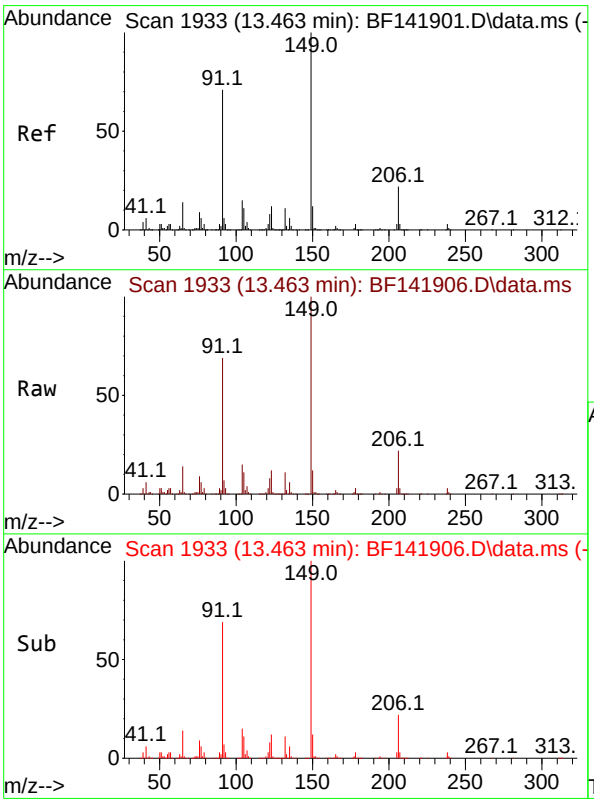
#79
Terphenyl-d14
Concen: 79.748 ng
RT: 12.986 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:244 Resp: 2825870

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	9.7	7.7	11.5

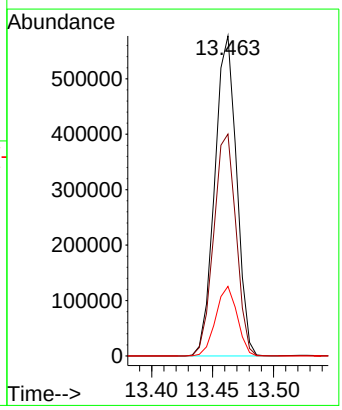


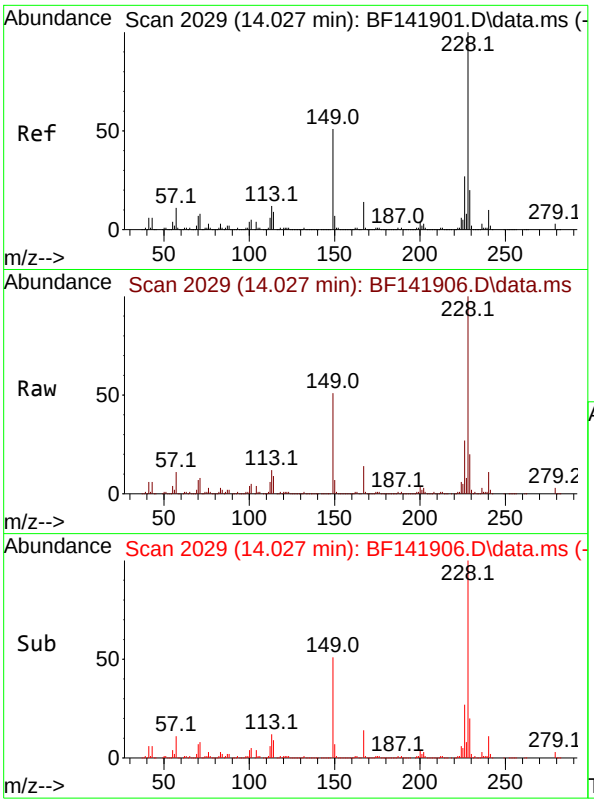


#80
Butylbenzylphthalate
Concen: 40.778 ng
RT: 13.463 min Scan# 1933
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:149 Resp: 723288

Ion	Ratio	Lower	Upper
149	100		
91	69.3	56.5	84.7
206	21.8	17.3	25.9



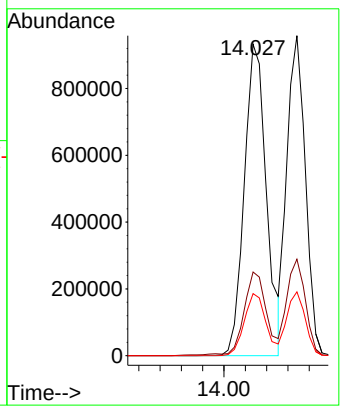


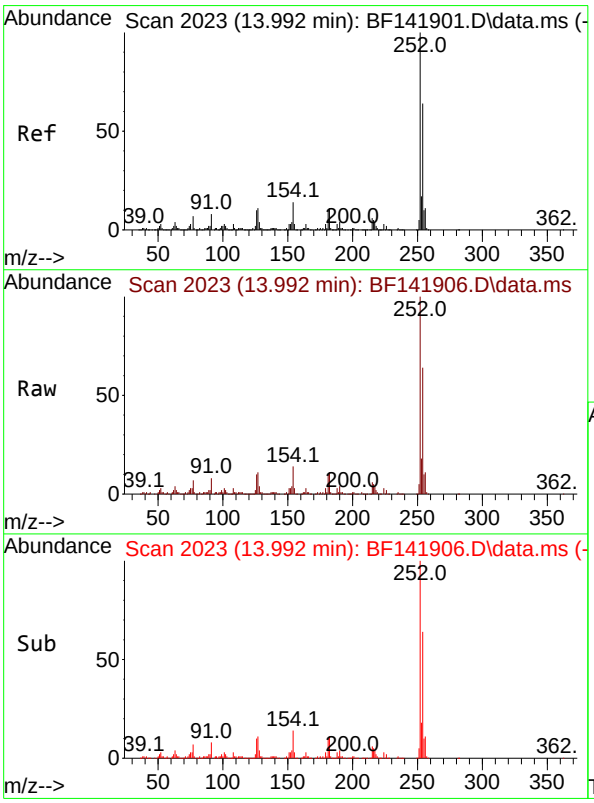
#81
Benzo(a)anthracene
Concen: 39.211 ng
RT: 14.027 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:228 Resp: 1347977

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.8	32.8
229	20.0	16.0	24.0

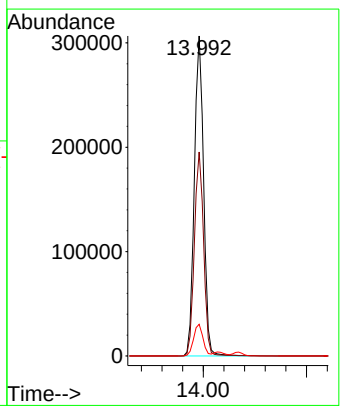


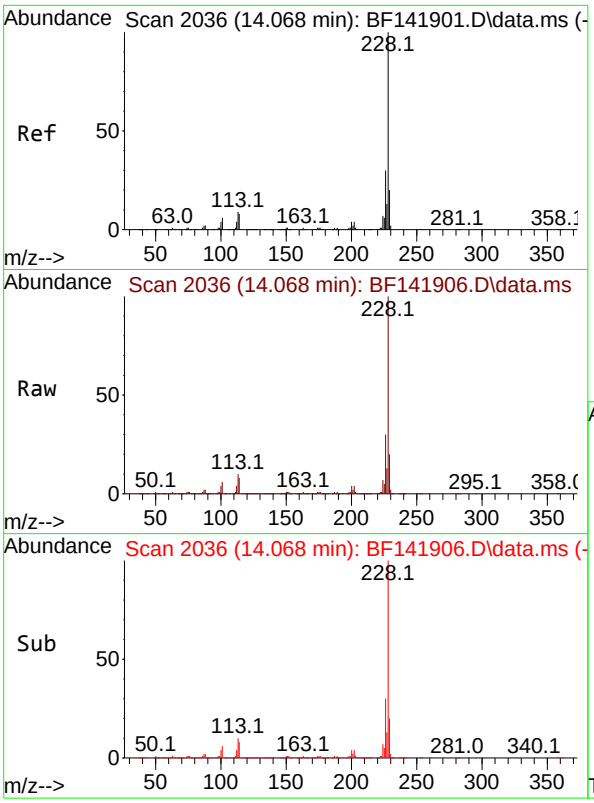


#82
3,3'-Dichlorobenzidine
Concen: 38.337 ng
RT: 13.992 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:252 Resp: 380866

Ion	Ratio	Lower	Upper
252	100		
254	63.8	51.0	76.6
126	9.9	8.4	12.6



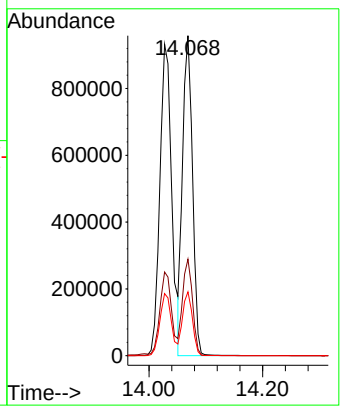


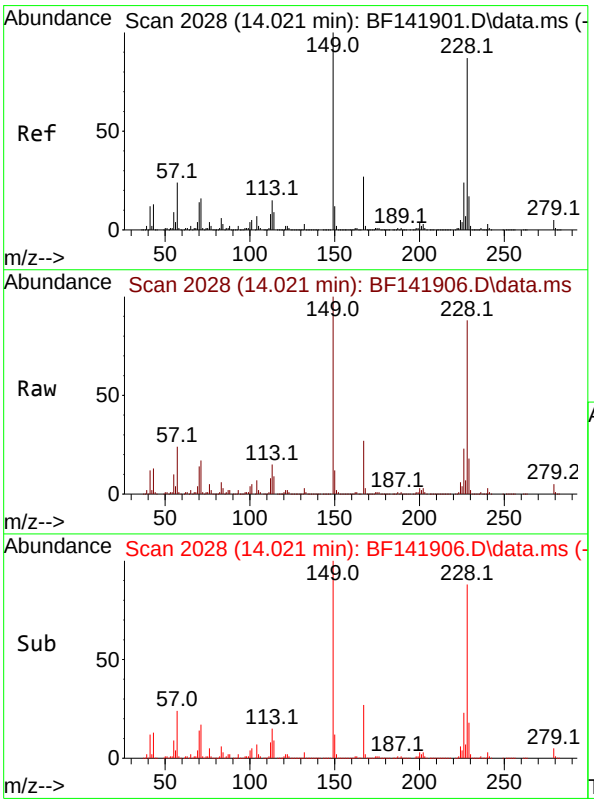
#83
Chrysene
Concen: 37.195 ng
RT: 14.068 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:228 Resp: 1159074

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.1	36.1
229	20.0	15.7	23.5

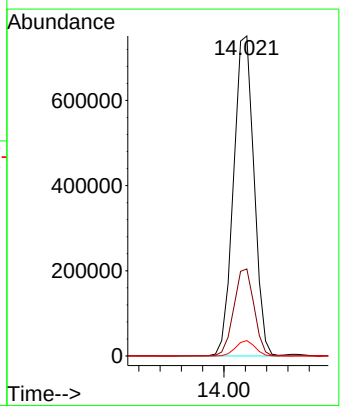


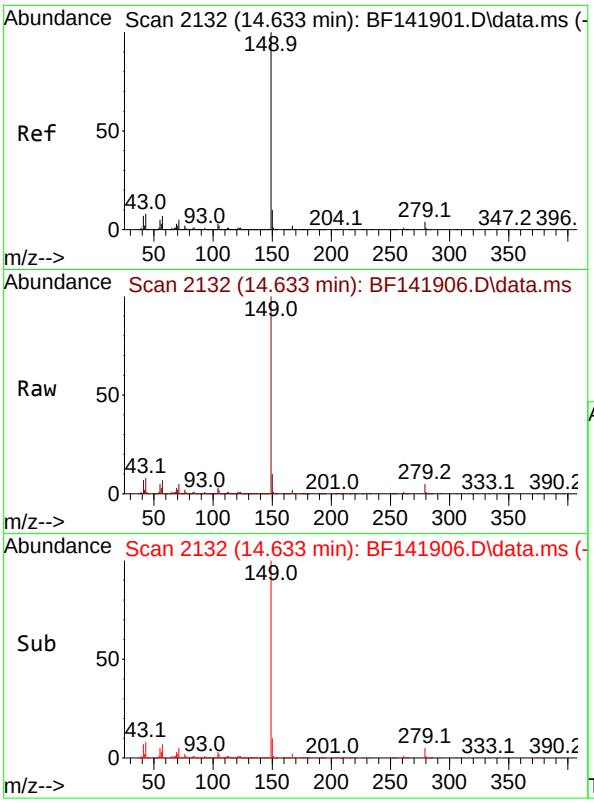


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.142 ng
RT: 14.021 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:149 Resp: 1006170

Ion	Ratio	Lower	Upper
149	100		
167	27.2	21.4	32.0
279	4.8	3.8	5.6



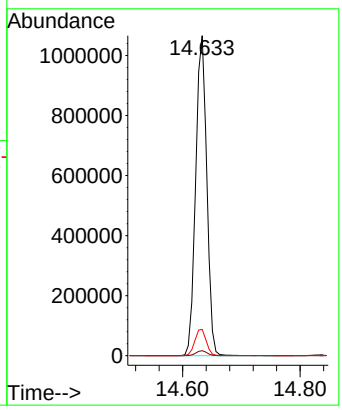


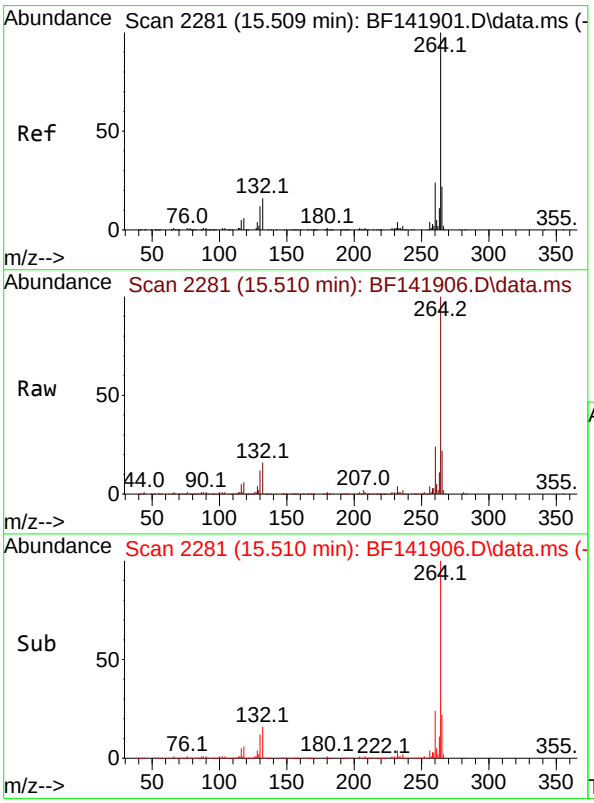
#85
Di-n-octyl phthalate
Concen: 40.971 ng
RT: 14.633 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:149 Resp: 1394136

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.5	6.9	10.3

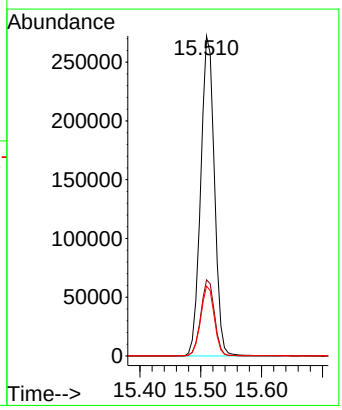


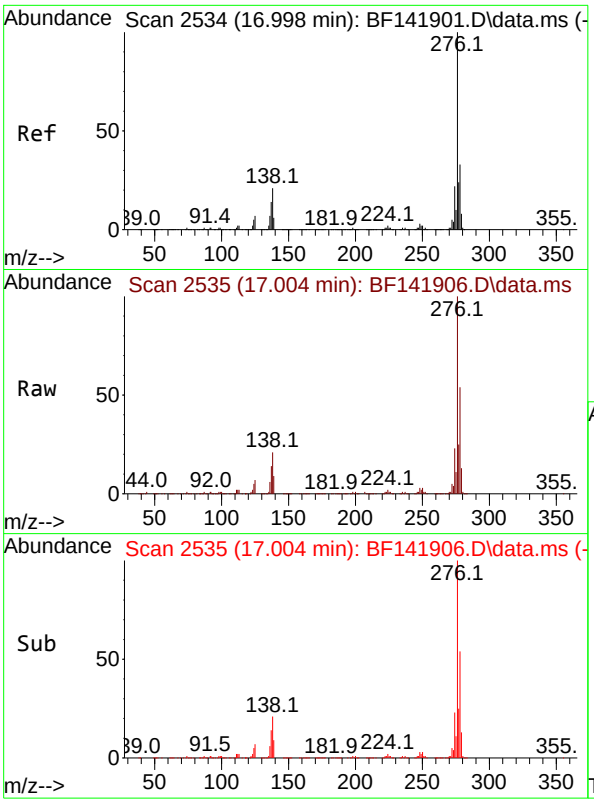


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 2281
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:264 Resp: 426422

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.1	28.7
265	21.8	17.5	26.3



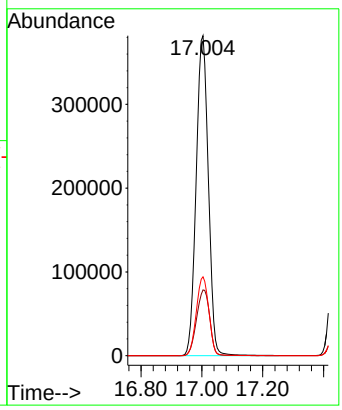


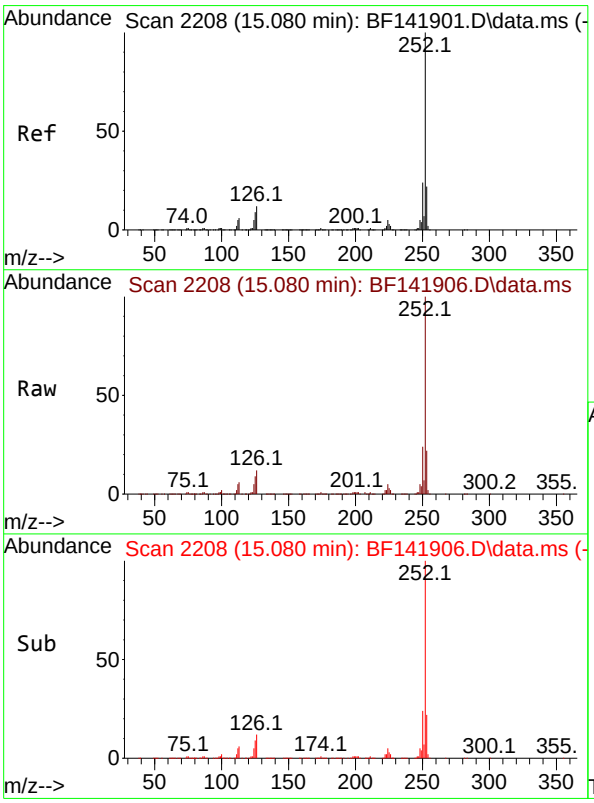
#87
Indeno(1,2,3-cd)pyrene
Concen: 38.467 ng
RT: 17.004 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:276 Resp: 1061096

Ion	Ratio	Lower	Upper
276	100		
138	22.2	18.4	27.6
277	25.3	20.3	30.5

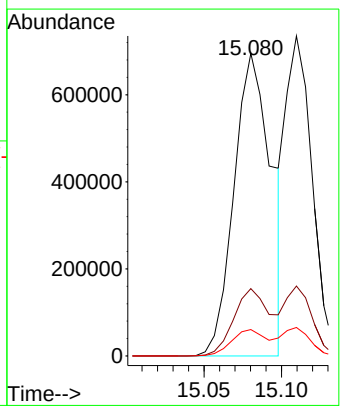


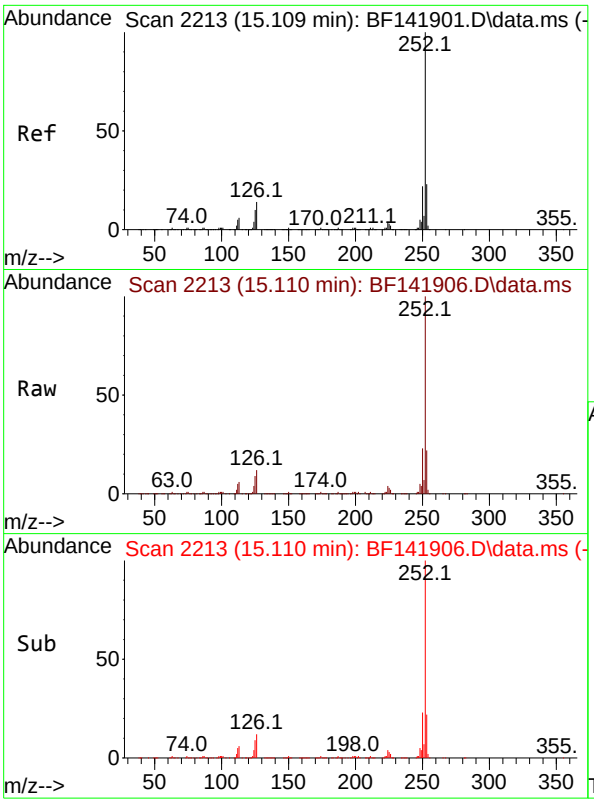


#88
Benzo(b)fluoranthene
Concen: 39.906 ng
RT: 15.080 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:252 Resp: 1166263

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	8.7	7.0	10.4



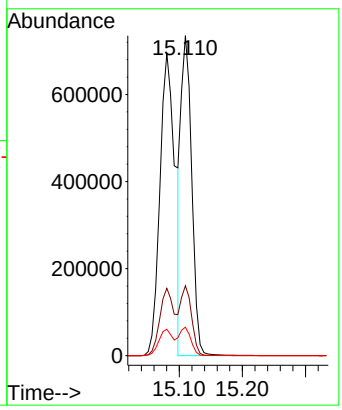


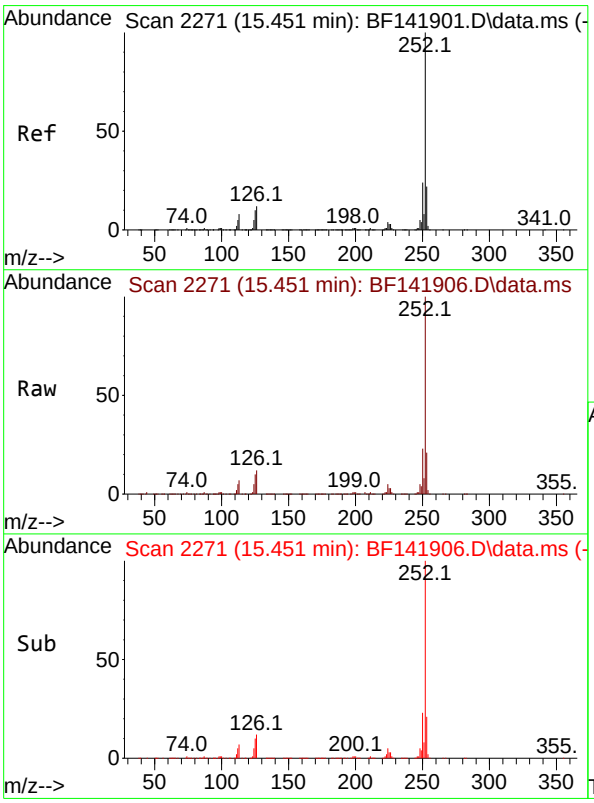
#89
Benzo(k)fluoranthene
Concen: 34.765 ng
RT: 15.110 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:252 Resp: 869471

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	8.9	7.2	10.8

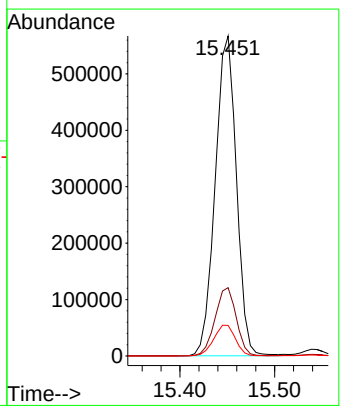


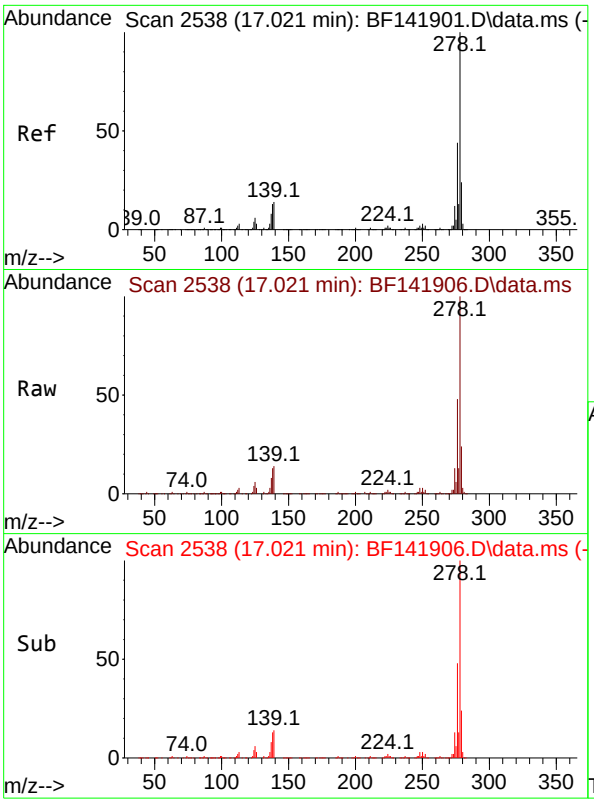


#90
Benzo(a)pyrene
Concen: 38.612 ng
RT: 15.451 min Scan# 2271
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:252 Resp: 882967

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.4	26.0
125	9.6	7.8	11.8



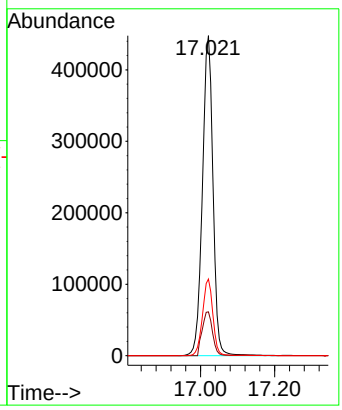


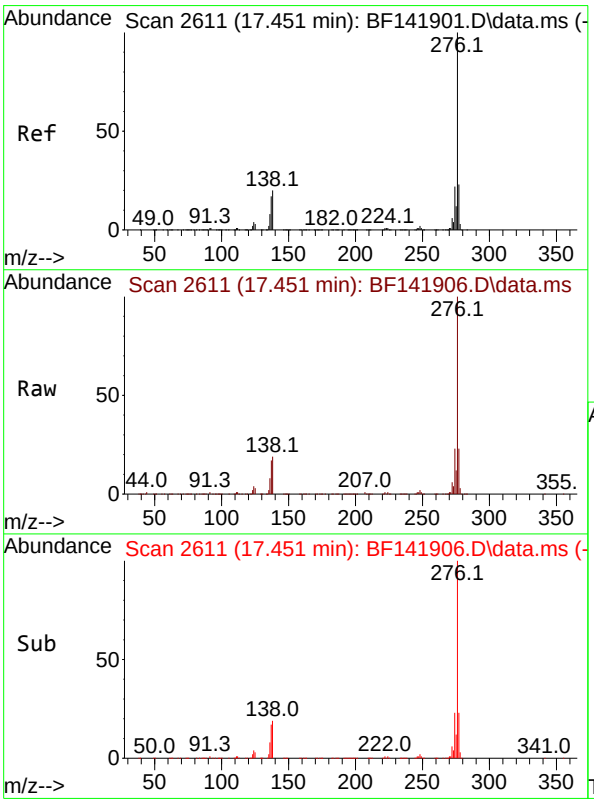
#91
Dibenzo(a,h)anthracene
Concen: 38.931 ng
RT: 17.021 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Tgt Ion:278 Resp: 886038

Ion	Ratio	Lower	Upper
278	100		
139	13.7	11.4	17.2
279	23.9	18.8	28.2

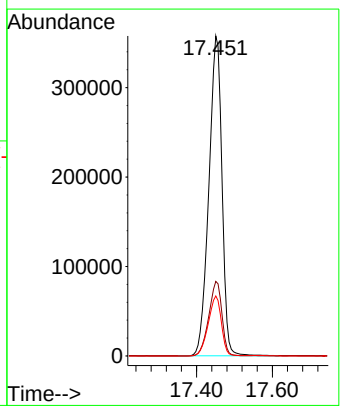




#92
Benzo(g,h,i)perylene
Concen: 38.051 ng
RT: 17.451 min Scan# 2611
Delta R.T. 0.000 min
Lab File: BF141906.D
Acq: 10 Mar 2025 15:53

Tgt Ion:276 Resp: 855812

Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.7	28.1
138	18.7	15.8	23.8



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141906.D
Acq On : 10 Mar 2025 15:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Quant Time: Mar 10 16:15:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	94	0.00
2		1,4-Dioxane	0.502	0.485	3.4	91	0.00
3		Pyridine	1.232	1.202	2.4	93	-0.01
4		n-Nitrosodimethylamine	0.587	0.572	2.6	92	0.00
5	S	2-Fluorophenol	1.198	1.151	3.9	94	0.00
6		Aniline	1.505	1.466	2.6	94	0.00
7	S	Phenol-d6	1.526	1.468	3.8	96	0.00
8		2-Chlorophenol	1.329	1.287	3.2	96	0.00
9		Benzaldehyde	0.853	0.810	5.0	98	0.00
10	C	Phenol	1.605	1.570	2.2	96	0.00
11		bis(2-Chloroethyl)ether	1.205	1.152	4.4	95	0.00
12		1,3-Dichlorobenzene	1.435	1.377	4.0	94	0.00
13	C	1,4-Dichlorobenzene	1.452	1.392	4.1	94	0.00
14		1,2-Dichlorobenzene	1.367	1.325	3.1	96	0.00
15		Benzyl Alcohol	1.233	1.215	1.5	96	0.00
16		2,2'-oxybis(1-Chloropropane	1.455	1.358	6.7	94	0.00
17		2-Methylphenol	1.057	1.024	3.1	96	0.00
18		Hexachloroethane	0.544	0.528	2.9	96	0.00
19	P	n-Nitroso-di-n-propylamine	0.980	0.932	4.9	96	0.00
20		3+4-Methylphenols	1.354	1.307	3.5	95	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	96	0.00
22		Acetophenone	0.479	0.451	5.8	94	0.00
23	S	Nitrobenzene-d5	0.355	0.351	1.1	97	0.00
24		Nitrobenzene	0.353	0.344	2.5	96	0.00
25		Isophorone	0.628	0.599	4.6	96	0.00
26	C	2-Nitrophenol	0.173	0.175	-1.2	96	0.00
27		2,4-Dimethylphenol	0.239	0.229	4.2	96	0.00
28		bis(2-Chloroethoxy)methane	0.394	0.374	5.1	97	0.00
29	C	2,4-Dichlorophenol	0.296	0.289	2.4	97	0.00
30		1,2,4-Trichlorobenzene	0.327	0.313	4.3	97	0.00
31		Naphthalene	1.027	0.972	5.4	95	0.00
32		Benzoic acid	0.210	0.222	-5.7	103	0.00
33		4-Chloroaniline	0.363	0.352	3.0	97	0.00
34	C	Hexachlorobutadiene	0.213	0.207	2.8	98	0.00
35		Caprolactam	0.090	0.084	6.7	96	0.00
36	C	4-Chloro-3-methylphenol	0.331	0.319	3.6	96	0.00
37		2-Methylnaphthalene	0.687	0.651	5.2	96	0.00
38		1-Methylnaphthalene	0.663	0.638	3.8	98	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	98	0.00
40		1,2,4,5-Tetrachlorobenzene	0.609	0.581	4.6	96	0.00
41	P	Hexachlorocyclopentadiene	0.238	0.228	4.2	89	0.00
42	S	2,4,6-Tribromophenol	0.254	0.252	0.8	98	0.00
43	C	2,4,6-Trichlorophenol	0.398	0.391	1.8	96	0.00
44		2,4,5-Trichlorophenol	0.403	0.386	4.2	97	0.00
45	S	2-Fluorobiphenyl	1.315	1.242	5.6	97	0.00
46		1,1'-Biphenyl	1.520	1.451	4.5	98	0.00
47		2-Chloronaphthalene	1.133	1.079	4.8	97	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141906.D
Acq On : 10 Mar 2025 15:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Quant Time: Mar 10 16:15:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

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Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.328	0.319	2.7	97	0.00
49		Acenaphthylene	1.681	1.585	5.7	95	0.00
50		Dimethylphthalate	1.401	1.317	6.0	97	0.00
51		2,6-Dinitrotoluene	0.292	0.284	2.7	97	0.00
52	C	Acenaphthene	1.181	1.134	4.0	97	0.00
53		3-Nitroaniline	0.296	0.285	3.7	95	0.00
54	P	2,4-Dinitrophenol	0.139	0.148	-6.5	102	0.00
55		Dibenzofuran	1.688	1.594	5.6	97	0.00
56	P	4-Nitrophenol	0.223	0.220	1.3	94	0.00
57		2,4-Dinitrotoluene	0.381	0.374	1.8	98	0.00
58		Fluorene	1.302	1.216	6.6	97	0.00
59		2,3,4,6-Tetrachlorophenol	0.367	0.358	2.5	98	0.00
60		Diethylphthalate	1.397	1.338	4.2	98	0.00
61		4-Chlorophenyl-phenylether	0.679	0.649	4.4	99	0.00
62		4-Nitroaniline	0.288	0.280	2.8	95	0.00
63		Azobenzene	1.298	1.231	5.2	97	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	97	0.00
65		4,6-Dinitro-2-methylphenol	0.119	0.123	-3.4	99	0.00
66	c	n-Nitrosodiphenylamine	0.647	0.619	4.3	97	0.00
67		4-Bromophenyl-phenylether	0.251	0.245	2.4	97	0.00
68		Hexachlorobenzene	0.275	0.274	0.4	99	0.00
69		Atrazine	0.198	0.158	20.2	94	0.00
70	C	Pentachlorophenol	0.170	0.178	-4.7	97	0.00
71		Phenanthrene	1.080	1.036	4.1	97	0.00
72		Anthracene	1.084	1.029	5.1	95	0.00
73		Carbazole	0.935	0.892	4.6	95	0.00
74		Di-n-butylphthalate	1.240	1.200	3.2	99	0.00
75	C	Fluoranthene	1.146	1.076	6.1	94	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	92	0.00
77		Benzidine	0.279	0.401	-43.7#	103	0.00
78		Pyrene	1.730	1.667	3.6	95	0.00
79	S	Terphenyl-d14	1.353	1.349	0.3	97	0.00
80		Butylbenzylphthalate	0.677	0.690	-1.9	97	0.00
81		Benzo(a)anthracene	1.312	1.287	1.9	93	0.00
82		3,3'-Dichlorobenzidine	0.379	0.363	4.2	90	0.00
83		Chrysene	1.190	1.106	7.1	90	0.00
84		Bis(2-ethylhexyl)phthalate	0.934	0.960	-2.8	98	0.00
85	c	Di-n-octyl phthalate	1.299	1.331	-2.5	97	0.00
86	I	Perylene-d12	1.000	1.000	0.0	91	0.00
87		Indeno(1,2,3-cd)pyrene	1.294	1.244	3.9	88	0.00
88		Benzo(b)fluoranthene	1.371	1.367	0.3	103	0.00
89		Benzo(k)fluoranthene	1.173	1.019	13.1	77	0.00
90	C	Benzo(a)pyrene	1.073	1.035	3.5	91	0.00
91		Dibenzo(a,h)anthracene	1.067	1.039	2.6	88	0.00
92		Benzo(g,h,i)perylene	1.055	1.003	4.9	86	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141906.D
Acq On : 10 Mar 2025 15:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Quant Time: Mar 10 16:15:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141906.D
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Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	94	0.00
2		1,4-Dioxane	40.000	38.670	3.3	91	0.00
3		Pyridine	40.000	39.050	2.4	93	-0.01
4		n-Nitrosodimethylamine	40.000	38.959	2.6	92	0.00
5	S	2-Fluorophenol	80.000	76.823	4.0	94	0.00
6		Aniline	40.000	38.958	2.6	94	0.00
7	S	Phenol-d6	80.000	76.962	3.8	96	0.00
8		2-Chlorophenol	40.000	38.721	3.2	96	0.00
9		Benzaldehyde	40.000	37.950	5.1	98	0.00
10	C	Phenol	40.000	39.115	2.2	96	0.00
11		bis(2-Chloroethyl)ether	40.000	38.246	4.4	95	0.00
12		1,3-Dichlorobenzene	40.000	38.391	4.0	94	0.00
13	C	1,4-Dichlorobenzene	40.000	38.366	4.1	94	0.00
14		1,2-Dichlorobenzene	40.000	38.744	3.1	96	0.00
15		Benzyl Alcohol	40.000	39.408	1.5	96	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	37.338	6.7	94	0.00
17		2-Methylphenol	40.000	38.775	3.1	96	0.00
18		Hexachloroethane	40.000	38.797	3.0	96	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	38.038	4.9	96	0.00
20		3+4-Methylphenols	40.000	38.619	3.5	95	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	96	0.00
22		Acetophenone	40.000	37.650	5.9	94	0.00
23	S	Nitrobenzene-d5	80.000	78.962	1.3	97	0.00
24		Nitrobenzene	40.000	38.980	2.6	96	0.00
25		Isophorone	40.000	38.163	4.6	96	0.00
26	C	2-Nitrophenol	40.000	40.429	-1.1	96	0.00
27		2,4-Dimethylphenol	40.000	38.414	4.0	96	0.00
28		bis(2-Chloroethoxy)methane	40.000	37.943	5.1	97	0.00
29	C	2,4-Dichlorophenol	40.000	38.952	2.6	97	0.00
30		1,2,4-Trichlorobenzene	40.000	38.336	4.2	97	0.00
31		Naphthalene	40.000	37.827	5.4	95	0.00
32		Benzoic acid	40.000	42.303	-5.8	103	0.00
33		4-Chloroaniline	40.000	38.847	2.9	97	0.00
34	C	Hexachlorobutadiene	40.000	38.849	2.9	98	0.00
35		Caprolactam	40.000	37.276	6.8	96	0.00
36	C	4-Chloro-3-methylphenol	40.000	38.550	3.6	96	0.00
37		2-Methylnaphthalene	40.000	37.935	5.2	96	0.00
38		1-Methylnaphthalene	40.000	38.484	3.8	98	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	98	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	38.191	4.5	96	0.00
41	P	Hexachlorocyclopentadiene	40.000	38.281	4.3	89	0.00
42	S	2,4,6-Tribromophenol	80.000	79.342	0.8	98	0.00
43	C	2,4,6-Trichlorophenol	40.000	39.292	1.8	96	0.00
44		2,4,5-Trichlorophenol	40.000	38.263	4.3	97	0.00
45	S	2-Fluorobiphenyl	80.000	75.528	5.6	97	0.00
46		1,1'-Biphenyl	40.000	38.182	4.5	98	0.00
47		2-Chloronaphthalene	40.000	38.090	4.8	97	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141906.D
Acq On : 10 Mar 2025 15:53
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF031025

Quant Time: Mar 10 16:15:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
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Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	38.908	2.7	97	0.00
49		Acenaphthylene	40.000	37.725	5.7	95	0.00
50		Dimethylphthalate	40.000	37.611	6.0	97	0.00
51		2,6-Dinitrotoluene	40.000	38.970	2.6	97	0.00
52	C	Acenaphthene	40.000	38.405	4.0	97	0.00
53		3-Nitroaniline	40.000	38.561	3.6	95	0.00
54	P	2,4-Dinitrophenol	40.000	39.326	1.7	102	0.00
55		Dibenzofuran	40.000	37.778	5.6	97	0.00
56	P	4-Nitrophenol	40.000	39.425	1.4	94	0.00
57		2,4-Dinitrotoluene	40.000	39.291	1.8	98	0.00
58		Fluorene	40.000	37.381	6.5	97	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	39.070	2.3	98	0.00
60		Diethylphthalate	40.000	38.337	4.2	98	0.00
61		4-Chlorophenyl-phenylether	40.000	38.272	4.3	99	0.00
62		4-Nitroaniline	40.000	38.953	2.6	95	0.00
63		Azobenzene	40.000	37.911	5.2	97	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	97	0.00
65		4,6-Dinitro-2-methylphenol	40.000	41.415	-3.5	99	0.00
66	c	n-Nitrosodiphenylamine	40.000	38.283	4.3	97	0.00
67		4-Bromophenyl-phenylether	40.000	39.015	2.5	97	0.00
68		Hexachlorobenzene	40.000	39.789	0.5	99	0.00
69		Atrazine	40.000	31.945	20.1	94	0.00
70	C	Pentachlorophenol	40.000	41.955	-4.9	97	0.00
71		Phenanthrene	40.000	38.357	4.1	97	0.00
72		Anthracene	40.000	37.991	5.0	95	0.00
73		Carbazole	40.000	38.167	4.6	95	0.00
74		Di-n-butylphthalate	40.000	38.717	3.2	99	0.00
75	C	Fluoranthene	40.000	37.545	6.1	94	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	92	0.00
77		Benzidine	40.000	57.513	-43.8#	103	0.00
78		Pyrene	40.000	38.539	3.7	95	0.00
79	S	Terphenyl-d14	80.000	79.748	0.3	97	0.00
80		Butylbenzylphthalate	40.000	40.778	-1.9	97	0.00
81		Benzo(a)anthracene	40.000	39.211	2.0	93	0.00
82		3,3'-Dichlorobenzidine	40.000	38.337	4.2	90	0.00
83		Chrysene	40.000	37.195	7.0	90	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	41.142	-2.9	98	0.00
85	c	Di-n-octyl phthalate	40.000	40.971	-2.4	97	0.00
86	I	Perylene-d12	20.000	20.000	0.0	91	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	38.467	3.8	88	0.00
88		Benzo(b)fluoranthene	40.000	39.906	0.2	103	0.00
89		Benzo(k)fluoranthene	40.000	34.765	13.1	77	0.00
90	C	Benzo(a)pyrene	40.000	38.612	3.5	91	0.00
91		Dibenzo(a,h)anthracene	40.000	38.931	2.7	88	0.00
92		Benzo(g,h,i)perylene	40.000	38.051	4.9	86	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
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Operator : RC/JU
Sample : SSTDICV040
Misc :
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Instrument :
BNA_F
ClientSampleId :
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Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Raw Data

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG No.: Q1514

Instrument ID: BNA_G Calibration Date(s): 03/05/2025 03/05/2025

Calibration Time(s): 09:02 13:44

LAB FILE ID: RRF2.5 = BG064045.D RRF005 = BG064046.D RRF010 = BG064047.D
RRF020 = BG064048.D RRF040 = BG064049.D RRF050 = BG064050.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.165	1.240	1.330	1.350	1.259	1.281	5.0
Benzaldehyde		1.111	1.122	1.133	1.003	0.860	1.013	12.9
Phenol-d6		1.580	1.631	1.794	1.848	1.703	1.742	6.1
Phenol		1.590	1.693	1.826	1.881	1.752	1.784	6.3
bis(2-Chloroethyl)ether		1.375	1.444	1.424	1.415	1.322	1.399	2.9
2-Chlorophenol		1.262	1.337	1.412	1.446	1.333	1.376	4.8
2-Methylphenol		1.015	1.116	1.177	1.268	1.171	1.184	8.1
2,2-oxybis(1-Chloropropane)		3.064	3.024	3.209	3.282	2.996	3.145	3.6
Acetophenone		0.522	0.525	0.580	0.563	0.546	0.548	3.8
3+4-Methylphenols		1.402	1.518	1.638	1.706	1.612	1.630	8.3
n-Nitroso-di-n-propylamine	1.146	1.095	1.157	1.282	1.323	1.189	1.223	7.1
Nitrobenzene-d5		0.290	0.300	0.360	0.385	0.390	0.362	13.3
Hexachloroethane		0.489	0.519	0.520	0.577	0.526	0.542	6.9
Nitrobenzene		0.298	0.320	0.390	0.397	0.396	0.374	12.2
Isophorone		0.709	0.672	0.744	0.745	0.717	0.724	3.9
2-Nitrophenol		0.067	0.079	0.096	0.122	0.130	0.112	28.0
2,4-Dimethylphenol		0.194	0.187	0.221	0.228	0.221	0.217	8.8
bis(2-Chloroethoxy)methane		0.424	0.417	0.468	0.443	0.427	0.439	4.0
2,4-Dichlorophenol		0.222	0.239	0.281	0.287	0.290	0.274	11.2
Naphthalene		1.078	1.043	1.114	1.079	1.061	1.078	2.1
4-Chloroaniline		0.355	0.364	0.407	0.416	0.394	0.394	6.5
Hexachlorobutadiene		0.208	0.213	0.225	0.219	0.216	0.217	2.5
Caprolactam		0.086	0.091	0.112	0.110	0.113	0.105	10.8
4-Chloro-3-methylphenol		0.293	0.330	0.379	0.373	0.373	0.359	9.7
2-Methylnaphthalene		0.775	0.727	0.788	0.763	0.746	0.761	2.8
Hexachlorocyclopentadiene		0.123	0.128	0.161	0.175	0.175	0.161	15.4
2,4,6-Trichlorophenol		0.268	0.293	0.341	0.358	0.362	0.337	11.9
2-Fluorobiphenyl		1.369	1.310	1.359	1.368	1.283	1.318	3.6
2,4,5-Trichlorophenol		0.284	0.330	0.381	0.406	0.396	0.374	13.0
1,1-Biphenyl		1.506	1.499	1.572	1.538	1.475	1.511	2.3
2-Chloronaphthalene		1.086	1.075	1.100	1.127	1.102	1.102	1.6
2-Nitroaniline		0.197	0.231	0.277	0.348	0.368	0.318	26.1
Dimethylphthalate		1.432	1.401	1.559	1.520	1.463	1.476	3.7
Acenaphthylene		1.714	1.677	1.793	1.789	1.735	1.743	2.5

All other compounds must meet a minimum RRF of 0.010.

Raw Data

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG No.: Q1514

Instrument ID: BNA_G Calibration Date(s): 03/05/2025 03/05/2025

Calibration Time(s): 09:02 13:44

LAB FILE ID: RRF2.5 = BG064045.D RRF005 = BG064046.D RRF010 = BG064047.D
RRF020 = BG064048.D RRF040 = BG064049.D RRF050 = BG064050.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2,6-Dinitrotoluene		0.158	0.200	0.262	0.292	0.300	0.261	22.7
3-Nitroaniline		0.190	0.228	0.298	0.316	0.313	0.285	19.0
Acenaphthene		1.165	1.148	1.231	1.187	1.159	1.170	2.8
2,4-Dinitrophenol			0.066	0.084	0.100	0.111	0.102	23.3
4-Nitrophenol			0.164	0.200	0.257	0.280	0.239	19.5
Dibenzofuran		1.926	1.881	1.976	1.941	1.853	1.895	2.8
2,4-Dinitrotoluene		0.225	0.255	0.344	0.404	0.418	0.357	23.8
Diethylphthalate		1.496	1.501	1.709	1.669	1.624	1.603	5.1
4-Chlorophenyl-phenylether		0.754	0.744	0.788	0.735	0.712	0.733	4.6
Fluorene		1.555	1.450	1.542	1.478	1.452	1.476	3.8
4-Nitroaniline		0.213	0.263	0.313	0.345	0.351	0.308	16.7
4,6-Dinitro-2-methylphenol			0.050	0.059	0.075	0.082	0.076	24.3
n-Nitrosodiphenylamine		0.558	0.551	0.582	0.578	0.558	0.566	2.1
2,4,6-Tribromophenol		0.166	0.191	0.226	0.241	0.241	0.222	14.1
4-Bromophenyl-phenylether		0.186	0.195	0.212	0.210	0.200	0.205	5.6
Hexachlorobenzene		0.227	0.226	0.236	0.229	0.228	0.229	1.4
Atrazine		0.175	0.190	0.179	0.160	0.129	0.167	14.3
Pentachlorophenol			0.105	0.128	0.149	0.151	0.142	15.6
Phenanthrene		1.084	1.034	1.110	1.080	1.054	1.067	2.4
Anthracene		1.024	1.041	1.104	1.085	1.055	1.061	2.6
Carbazole		0.949	0.988	1.020	1.027	1.007	0.990	3.0
Di-n-butylphthalate		0.932	1.095	1.213	1.257	1.236	1.166	9.9
Fluoranthene		1.272	1.315	1.336	1.318	1.298	1.286	3.3
Pyrene		1.251	1.287	1.350	1.310	1.254	1.289	2.6
Terphenyl-d14		1.011	1.024	1.062	0.999	0.944	0.989	4.9
Butylbenzylphthalate		0.285	0.331	0.405	0.465	0.473	0.423	20.4
3,3-Dichlorobenzidine		0.350	0.396	0.444	0.450	0.416	0.415	8.3
Benzo(a)anthracene		1.217	1.268	1.310	1.303	1.275	1.281	2.5
Chrysene		1.281	1.233	1.308	1.306	1.263	1.278	2.3
Bis(2-ethylhexyl)phthalate		0.504	0.582	0.685	0.757	0.751	0.693	15.9
Di-n-octyl phthalate			0.892	1.108	1.239	1.256	1.195	14.3
Benzo(b)fluoranthene		1.150	1.146	1.269	1.216	1.232	1.209	3.8
Benzo(k)fluoranthene		1.111	1.189	1.281	1.255	1.205	1.213	4.5
Benzo(a)pyrene		0.993	1.022	1.124	1.107	1.106	1.077	4.6
Indeno(1,2,3-cd)pyrene		1.223	1.232	1.408	1.376	1.354	1.338	5.8

All other compounds must meet a minimum RRF of 0.010.

Raw Data

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG No.: Q1514

Instrument ID: BNA_G Calibration Date(s): 03/05/2025 03/05/2025

Calibration Time(s): 09:02 13:44

LAB FILE ID: RRF2.5 = BG064045.D RRF005 = BG064046.D RRF010 = BG064047.D
RRF020 = BG064048.D RRF040 = BG064049.D RRF050 = BG064050.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Dibenzo(a,h)anthracene		1.029	1.036	1.151	1.133	1.134	1.109	4.9
Benzo(g,h,i)perylene		1.049	1.093	1.208	1.152	1.146	1.139	4.6
1,2,4,5-Tetrachlorobenzene		0.547	0.584	0.592	0.586	0.560	0.571	2.9
1,4-Dioxane		0.598	0.605	0.624	0.585	0.559	0.580	5.3
2,3,4,6-Tetrachlorophenol		0.262	0.326	0.388	0.395	0.385	0.365	14.2

All other compounds must meet a minimum RRF of 0.010.

Response Factor Report GC/MS Ins

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG030525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Mar 05 15:39:19 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BG064045.D 5 =BG064046.D 10 =BG064047.D 20 =BG064048.D 40 =BG064049.D 50 =BG064050.D 60 =BG064051.D 80 =BG0640
52.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.598	0.605	0.624	0.585	0.559	0.539	0.554	0.580	5.31
3)		Pyridine		1.450	1.445	1.452	1.573	1.338	1.376	1.248	1.412	7.30
4)		n-Nitrosodimet...		0.892	0.976	1.017	1.064	0.996	1.047	1.068	1.009	6.16
5)	S	2-Fluorophenol		1.165	1.240	1.330	1.350	1.259	1.318	1.304	1.281	5.00
6)		Aniline		1.593	1.670	1.825	1.820	1.642	1.748	1.671	1.710	5.24
7)	S	Phenol-d6		1.580	1.631	1.794	1.848	1.703	1.839	1.803	1.742	6.09
8)		2-Chlorophenol		1.262	1.337	1.412	1.446	1.333	1.420	1.420	1.376	4.80
9)		Benzaldehyde		1.111	1.122	1.133	1.003	0.860	0.850		1.013	12.94
10)	C	Phenol		1.590	1.693	1.826	1.881	1.752	1.900	1.846	1.784	6.30
11)		bis(2-Chloroet...		1.375	1.444	1.424	1.415	1.322	1.418	1.394	1.399	2.88
12)		1,3-Dichlorobe...		1.523	1.539	1.501	1.546	1.438	1.519	1.508	1.511	2.36
13)	C	1,4-Dichlorobe...		1.548	1.546	1.607	1.592	1.478	1.536	1.532	1.548	2.72
14)		1,2-Dichlorobe...		1.488	1.464	1.543	1.519	1.416	1.525	1.497	1.493	2.88
15)		Benzyl Alcohol		1.115	1.249	1.343	1.436	1.358	1.467	1.457	1.346	9.50
16)		2,2'-oxybis(1-...		3.064	3.024	3.209	3.282	2.996	3.218	3.222	3.145	3.61
17)		2-Methylphenol		1.015	1.116	1.177	1.268	1.171	1.269	1.271	1.184	8.11
18)		Hexachloroethane		0.489	0.519	0.520	0.577	0.526	0.581	0.580	0.542	6.88
19)	P	n-Nitroso-di-n...	1.146	1.095	1.157	1.282	1.323	1.189	1.322	1.268	1.223	7.13
20)		3+4-Methylphenols		1.402	1.518	1.638	1.706	1.612	1.804	1.729	1.630	8.34
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.522	0.525	0.580	0.563	0.546	0.561	0.543	0.548	3.82
23)	S	Nitrobenzene-d5		0.290	0.300	0.360	0.385	0.390	0.400	0.409	0.362	13.32
24)		Nitrobenzene		0.298	0.320	0.390	0.397	0.396	0.409	0.409	0.374	12.20
25)		Isophorone		0.709	0.672	0.744	0.745	0.717	0.757	0.727	0.724	3.93
26)	C	2-Nitrophenol		0.067	0.079	0.096	0.122	0.130	0.141	0.147	0.112	28.03
27)		2,4-Dimethylph...		0.194	0.187	0.221	0.228	0.221	0.239	0.229	0.217	8.82
28)		bis(2-Chloroet...		0.424	0.417	0.468	0.443	0.427	0.449	0.445	0.439	4.03
29)	C	2,4-Dichloroph...		0.222	0.239	0.281	0.287	0.290	0.301	0.298	0.274	11.22
30)		1,2,4-Trichlor...		0.323	0.317	0.343	0.332	0.336	0.335	0.332	0.331	2.54
31)		Naphthalene		1.078	1.043	1.114	1.079	1.061	1.097	1.077	1.078	2.13
32)		Benzoic acid			0.078	0.139	0.172	0.191	0.217	0.220	0.170	31.75
33)		4-Chloroaniline		0.355	0.364	0.407	0.416	0.394	0.419	0.404	0.394	6.46
34)	C	Hexachlorobuta...		0.208	0.213	0.225	0.219	0.216	0.220	0.218	0.217	2.55
35)		Caprolactam		0.086	0.091	0.112	0.110	0.113	0.112	0.111	0.105	10.78
36)	C	4-Chloro-3-met...		0.293	0.330	0.379	0.373	0.373	0.390	0.376	0.359	9.67
37)		2-Methylnaphth...		0.775	0.727	0.788	0.763	0.746	0.779	0.751	0.761	2.80
38)		1-Methylnaphth...		0.745	0.728	0.771	0.753	0.724	0.768	0.733	0.746	2.53

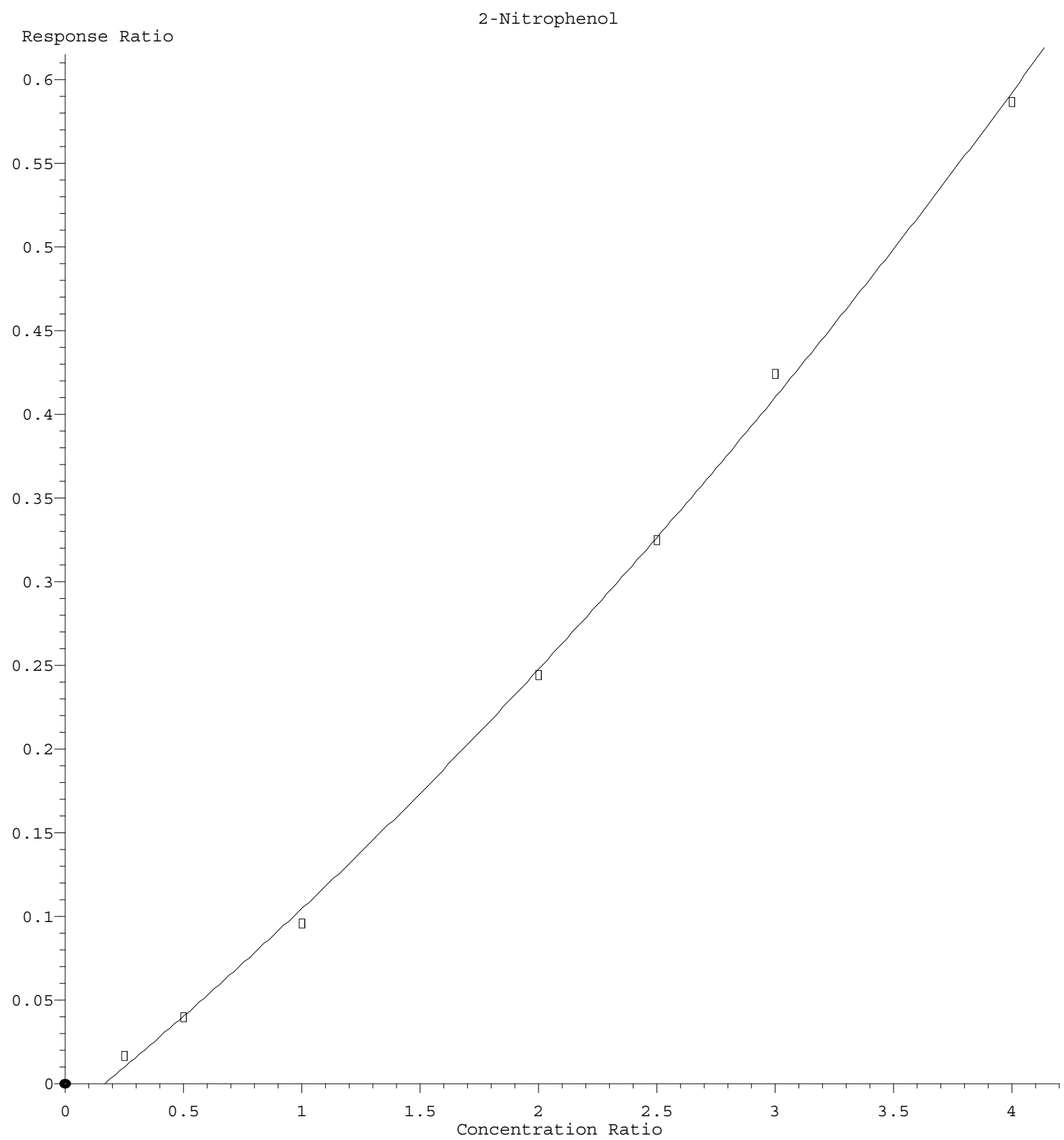
Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG030525.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.547	0.584	0.592	0.586	0.560	0.562	0.566	0.571	2.88
41)	P	Hexachlorocycl...	0.123	0.128	0.161	0.175	0.175	0.180	0.183	0.161	15.44
42)	S	2,4,6-Tribromo...	0.166	0.191	0.226	0.241	0.241	0.250	0.241	0.222	14.12
43)	C	2,4,6-Trichlor...	0.268	0.293	0.341	0.358	0.362	0.368	0.366	0.337	11.89
44)		2,4,5-Trichlor...	0.284	0.330	0.381	0.406	0.396	0.407	0.413	0.374	12.98
45)	S	2-Fluorobiphenyl	1.369	1.310	1.359	1.368	1.283	1.284	1.251	1.318	3.62
46)		1,1'-Biphenyl	1.506	1.499	1.572	1.538	1.475	1.512	1.475	1.511	2.29
47)		2-Chloronaphth...	1.086	1.075	1.100	1.127	1.102	1.121	1.103	1.102	1.63
48)		2-Nitroaniline	0.197	0.231	0.277	0.348	0.368	0.396	0.408	0.318	26.14
49)		Acenaphthylene	1.714	1.677	1.793	1.789	1.735	1.777	1.717	1.743	2.53
50)		Dimethylphthalate	1.432	1.401	1.559	1.520	1.463	1.508	1.452	1.476	3.73
51)		2,6-Dinitrotol...	0.158	0.200	0.262	0.292	0.300	0.307	0.308	0.261	22.73
52)	C	Acenaphthene	1.165	1.148	1.231	1.187	1.159	1.171	1.128	1.170	2.77
53)		3-Nitroaniline	0.190	0.228	0.298	0.316	0.313	0.329	0.323	0.285	18.96
54)	P	2,4-Dinitrophenol		0.066	0.084	0.100	0.111	0.121	0.129	0.102	23.25
55)		Dibenzofuran	1.926	1.881	1.976	1.941	1.853	1.864	1.826	1.895	2.84
56)	P	4-Nitrophenol		0.164	0.200	0.257	0.280	0.270	0.265	0.239	19.47
57)		2,4-Dinitrotol...	0.225	0.255	0.344	0.404	0.418	0.426	0.424	0.357	23.78
58)		Fluorene	1.555	1.450	1.542	1.478	1.452	1.460	1.395	1.476	3.79
59)		2,3,4,6-Tetrac...	0.262	0.326	0.388	0.395	0.385	0.402	0.393	0.365	14.21
60)		Diethylphthalate	1.496	1.501	1.709	1.669	1.624	1.637	1.584	1.603	5.06
61)		4-Chlorophenyl...	0.754	0.744	0.788	0.735	0.712	0.721	0.681	0.733	4.61
62)		4-Nitroaniline	0.213	0.263	0.313	0.345	0.351	0.339	0.333	0.308	16.67
63)		Azobenzene	1.734	1.645	1.785	1.758	1.700	1.705	1.644	1.710	3.13
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.050	0.059	0.075	0.082	0.092	0.096	0.076	24.31
66)	c	n-Nitrosodiphe...	0.558	0.551	0.582	0.578	0.558	0.571	0.565	0.566	2.06
67)		4-Bromophenyl-...	0.186	0.195	0.212	0.210	0.200	0.217	0.213	0.205	5.61
68)		Hexachlorobenzene	0.227	0.226	0.236	0.229	0.228	0.229	0.230	0.229	1.45
69)		Atrazine	0.175	0.190	0.179	0.160	0.129			0.167	14.34
70)	C	Pentachlorophenol		0.105	0.128	0.149	0.151	0.159	0.163	0.142	15.58
71)		Phenanthrene	1.084	1.034	1.110	1.080	1.054	1.059	1.047	1.067	2.44
72)		Anthracene	1.024	1.041	1.104	1.085	1.055	1.065	1.051	1.061	2.55
73)		Carbazole	0.949	0.988	1.020	1.027	1.007	0.986	0.956	0.990	3.02
74)		Di-n-butylphth...	0.932	1.095	1.213	1.257	1.236	1.219	1.208	1.166	9.90
75)	C	Fluoranthene	1.272	1.315	1.336	1.318	1.298	1.243	1.221	1.286	3.31
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.221	0.400	0.238	0.313	0.195	0.299	0.271	0.277	24.80
78)		Pyrene	1.251	1.287	1.350	1.310	1.254	1.290	1.282	1.289	2.63
79)	S	Terphenyl-d14	1.011	1.024	1.062	0.999	0.944	0.957	0.927	0.989	4.88
80)		Butylbenzylpht...	0.285	0.331	0.405	0.465	0.473	0.503	0.502	0.423	20.44
81)		Benzo(a)anthra...	1.217	1.268	1.310	1.303	1.275	1.309	1.286	1.281	2.54
82)		3,3'-Dichlorob...	0.350	0.396	0.444	0.450	0.416	0.436	0.411	0.415	8.27
83)		Chrysene	1.281	1.233	1.308	1.306	1.263	1.301	1.252	1.278	2.29
84)		Bis(2-ethylhex...	0.504	0.582	0.685	0.757	0.751	0.789	0.782	0.693	15.90
85)	c	Di-n-octyl pht...		0.892	1.108	1.239	1.256	1.339	1.338	1.195	14.31

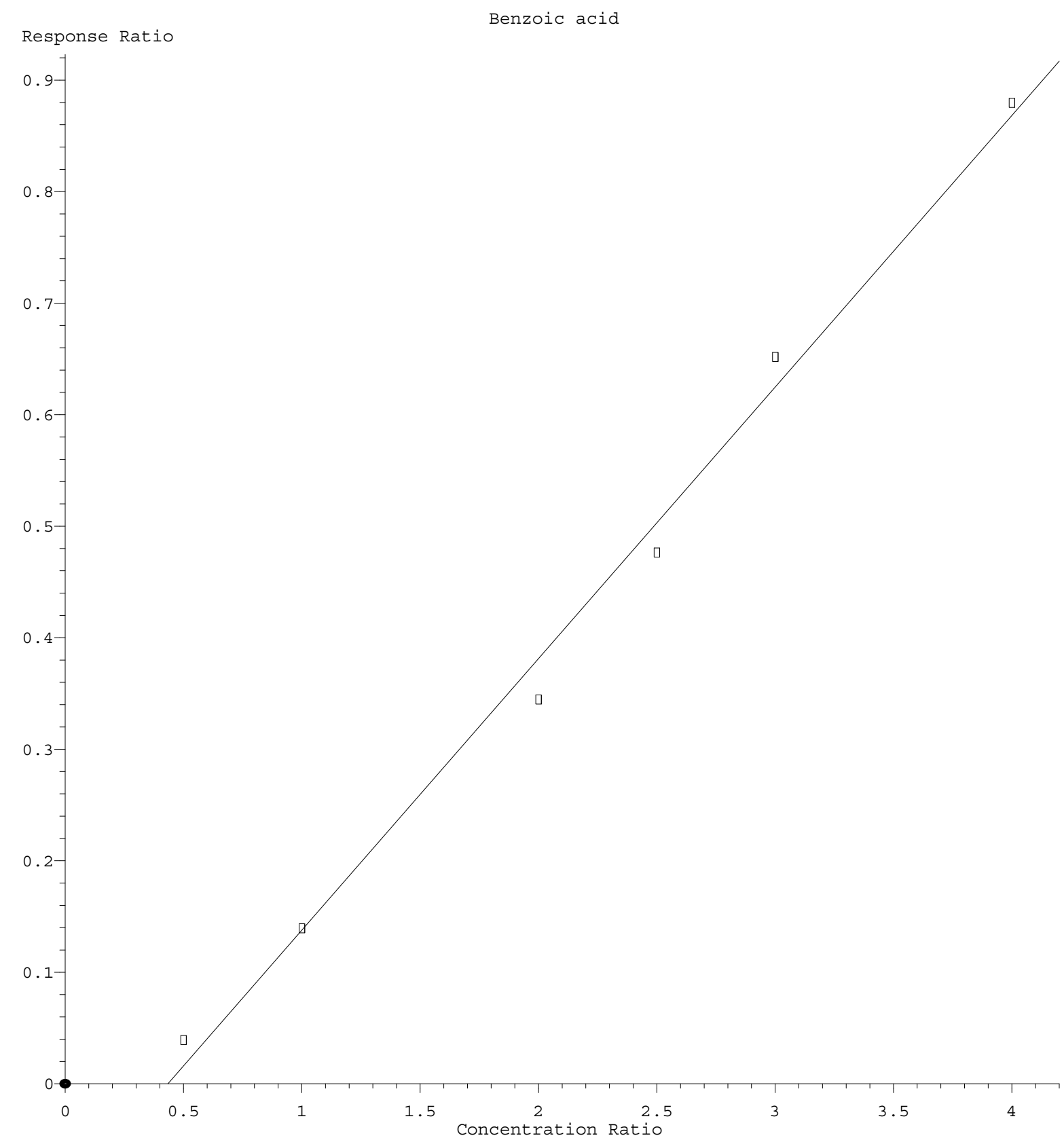
Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG030525.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.223	1.232	1.408	1.376	1.354	1.381	1.394	1.338	5.80
88)		Benzo(b)fluora...	1.150	1.146	1.269	1.216	1.232	1.215	1.236	1.209	3.76
89)		Benzo(k)fluora...	1.111	1.189	1.281	1.255	1.205	1.234	1.215	1.213	4.49
90)	C	Benzo(a)pyrene	0.993	1.022	1.124	1.107	1.106	1.092	1.093	1.077	4.57
91)		Dibenzo(a,h)an...	1.029	1.036	1.151	1.133	1.134	1.123	1.160	1.109	4.86
92)		Benzo(g,h,i)pe...	1.049	1.093	1.208	1.152	1.146	1.155	1.168	1.139	4.58

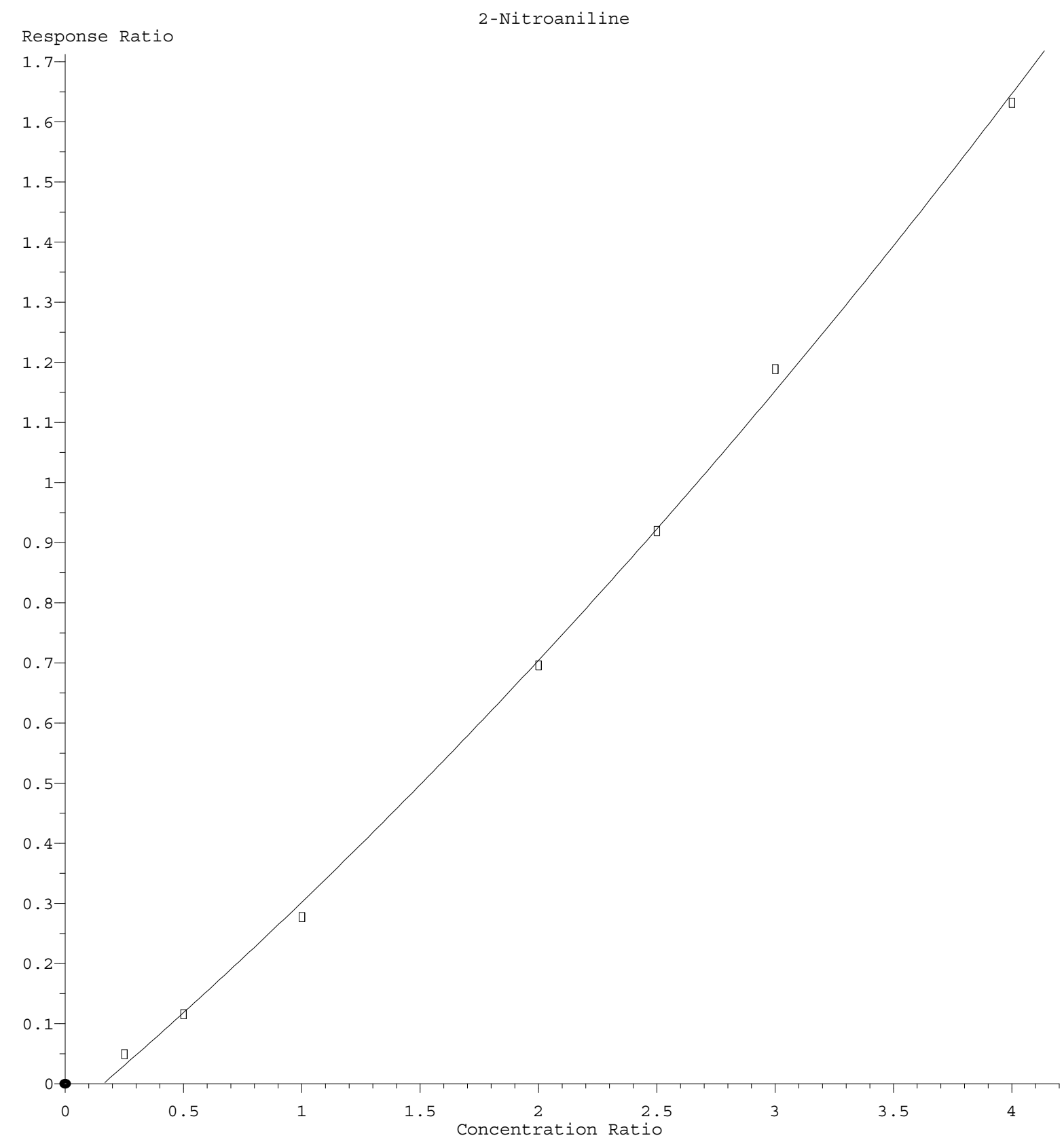
(#) = Out of Range



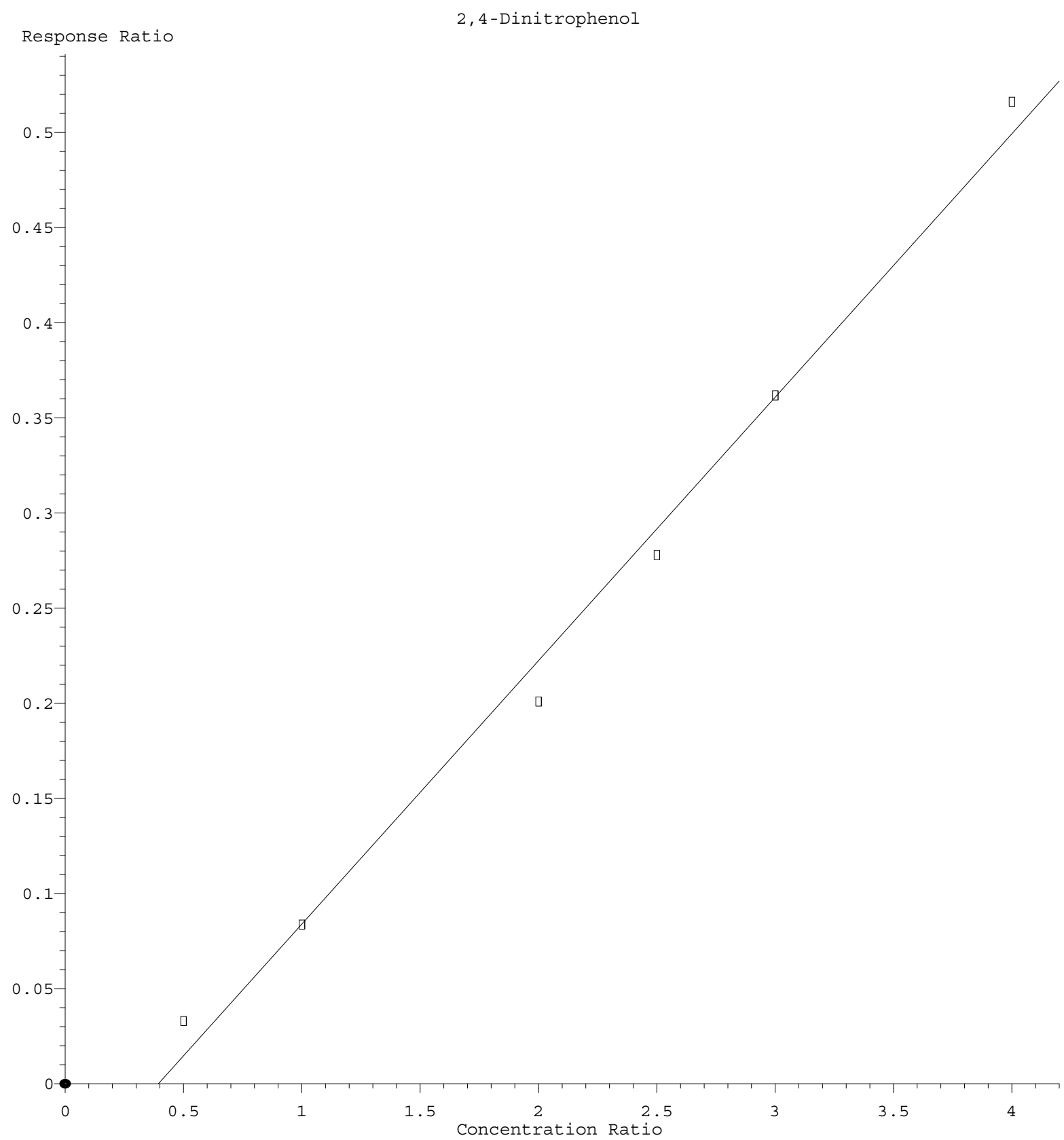
R = 9.766e-003 A*A + 1.137e-001 A - 1.893e-002
Coef of Det (r^2) = 0.998666 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG030525.M
Calibration Table Last Updated: Wed Mar 05 15:39:19 2025



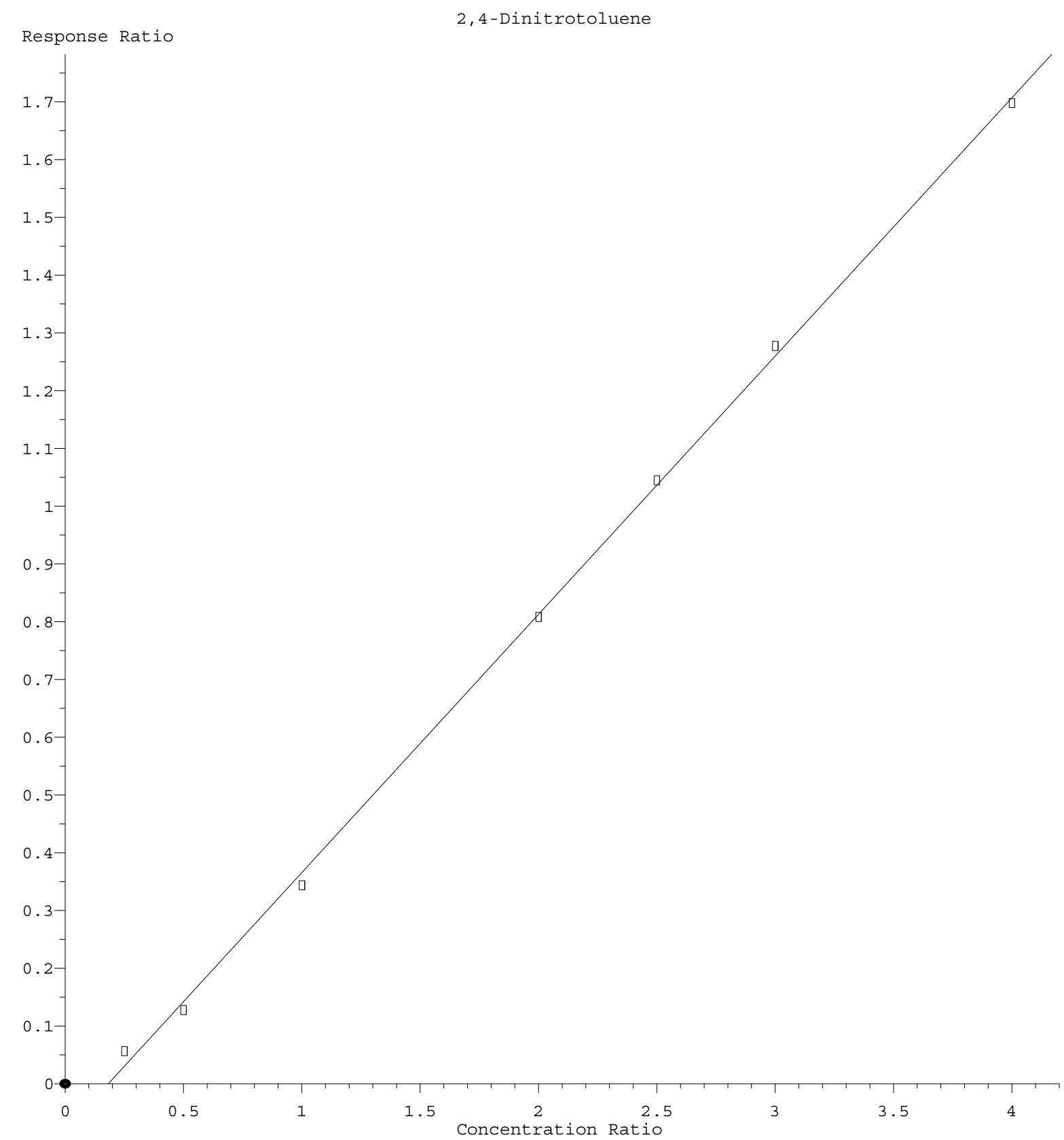
Response = 2.435e-001 * Amt - 1.058e-001
Coef of Det (r^2) = 0.993062 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG030525.M
Calibration Table Last Updated: Wed Mar 05 15:39:19 2025



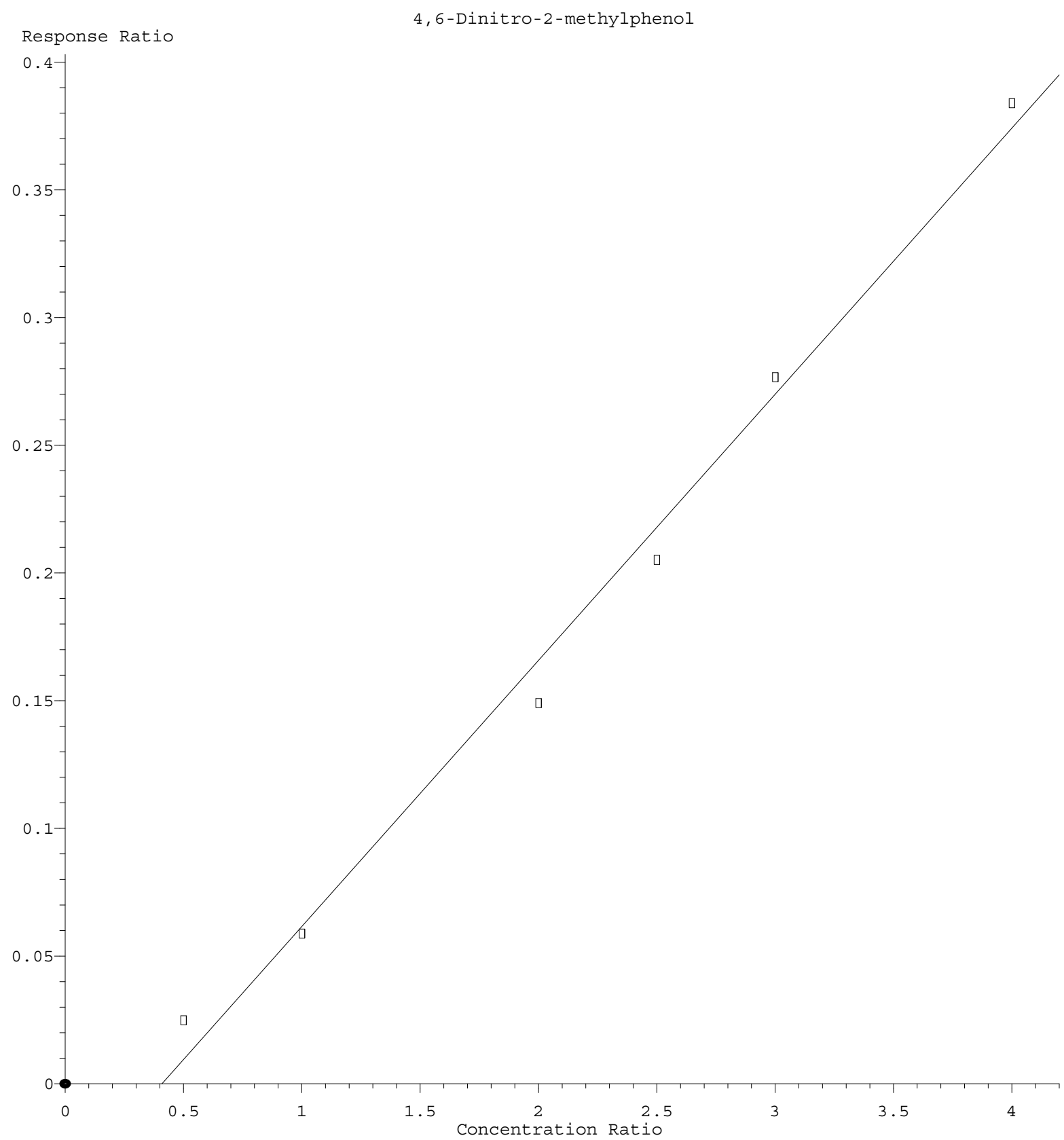
R = 2.299e-002 A*A + 3.333e-001 A - 5.414e-002
Coef of Det (r^2) = 0.998770 Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG030525.M
Calibration Table Last Updated: Wed Mar 05 15:39:19 2025



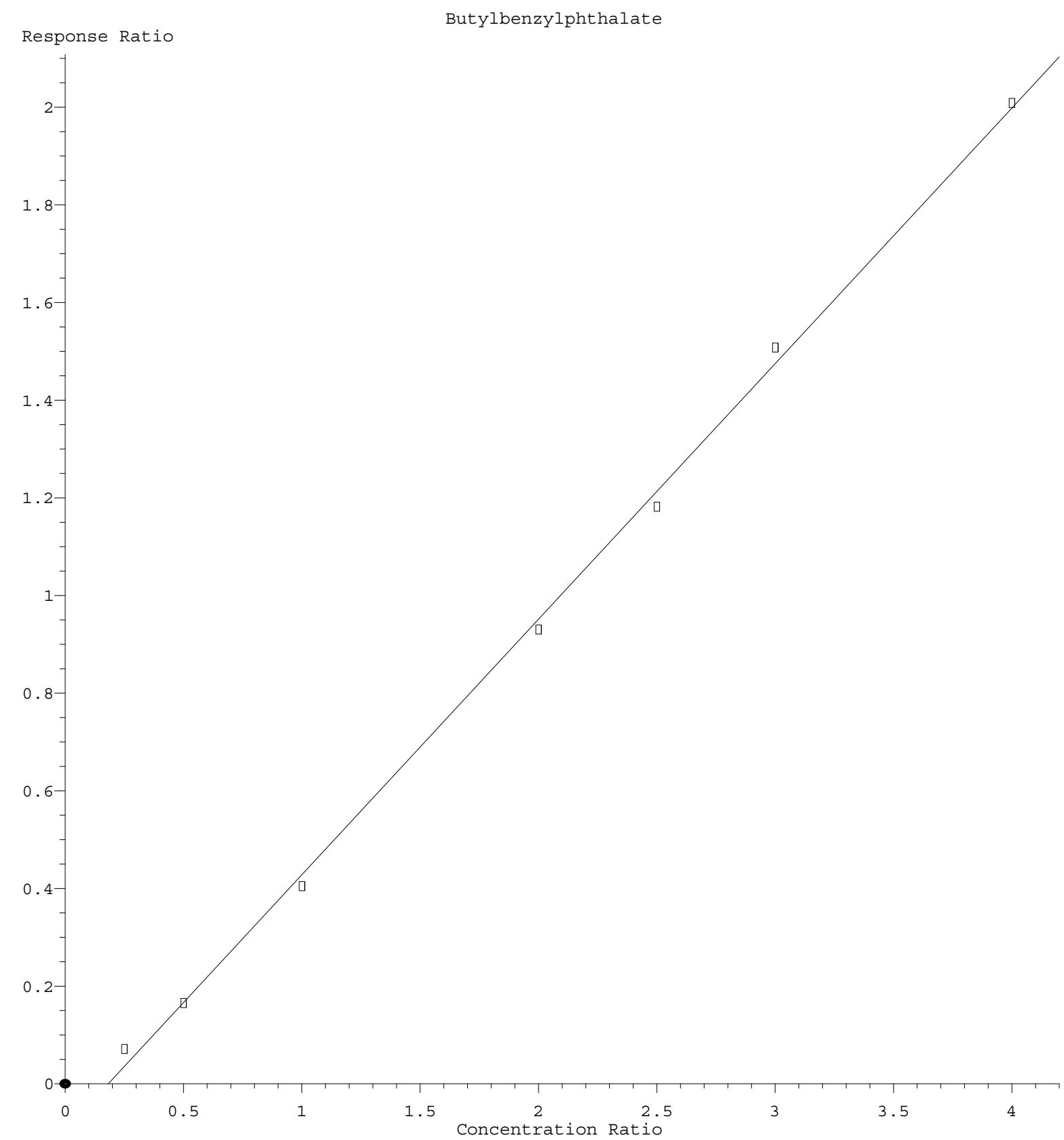
Response = 1.385e-001 * Amt - 5.459e-002
Coef of Det (r^2) = 0.992124 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG030525.M
Calibration Table Last Updated: Wed Mar 05 15:39:19 2025



Response = 4.472e-001 * Amt - 8.152e-002
Coef of Det (r^2) = 0.999194 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG030525.M
Calibration Table Last Updated: Wed Mar 05 15:39:19 2025



Response = 1.041e-001 * Amt - 4.259e-002
Coef of Det (r^2) = 0.990937 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG030525.M
Calibration Table Last Updated: Wed Mar 05 15:39:19 2025



Response = 5.234e-001 * Amt - 9.520e-002
Coef of Det (r^2) = 0.998592 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA G\Methods\8270-BG030525.M
Calibration Table Last Updated: Wed Mar 05 15:39:19 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064045.D
Acq On : 5 Mar 2025 9:02
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Quant Time: Mar 05 15:19:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 14:45:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.864	152	29138	20.000	ng	0.00
21) Naphthalene-d8	10.649	136	131138	20.000	ng	0.00
39) Acenaphthene-d10	14.486	164	97001	20.000	ng	0.00
64) Phenanthrene-d10	17.229	188	240464	20.000	ng	0.00
76) Chrysene-d12	21.454	240	249925	20.000	ng	0.00
86) Perylene-d12	24.474	264	262700	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...	8.663	70	4175	2.343	ng	# 90

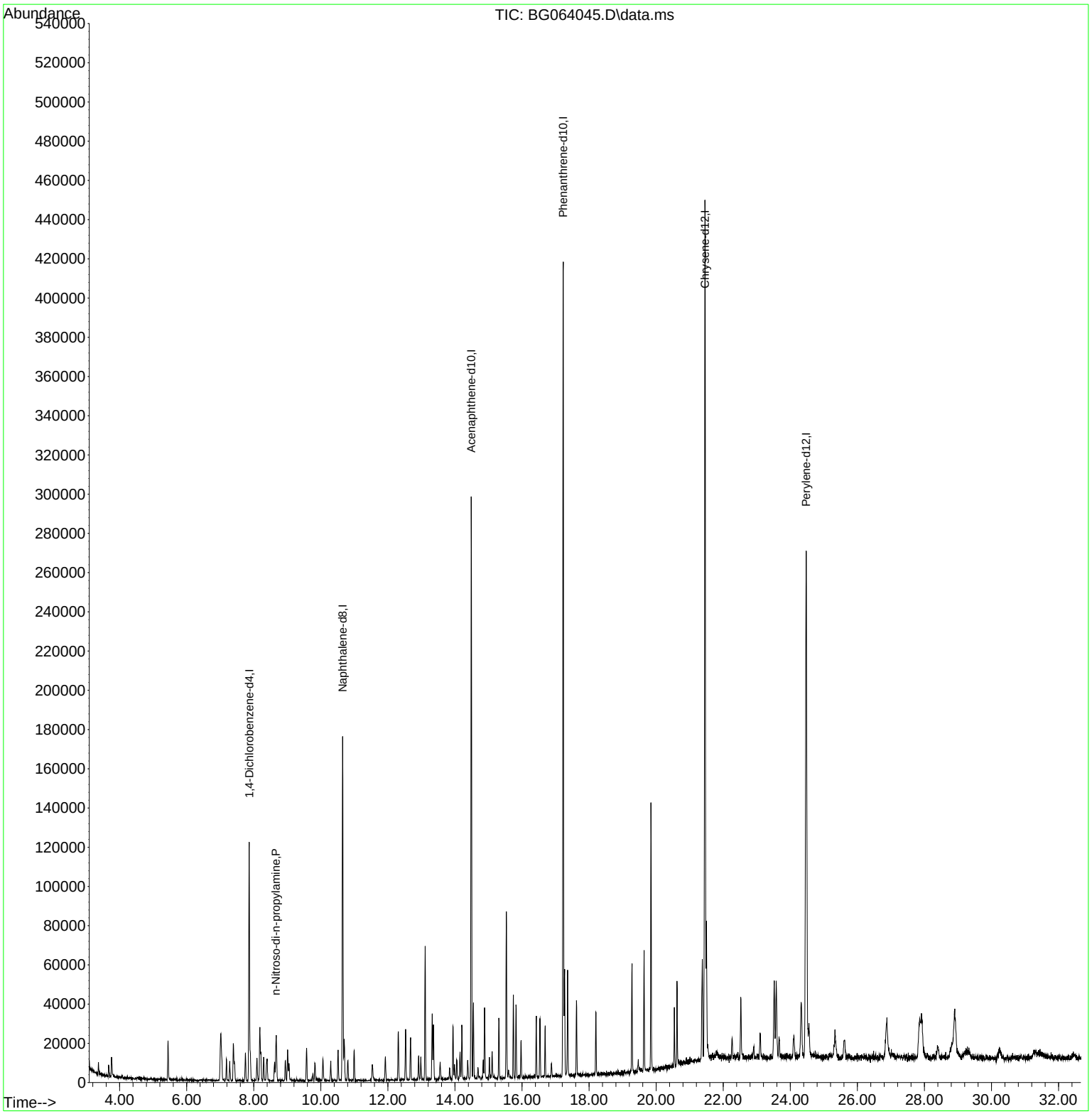
(#) = qualifier out of range (m) = manual integration (+) = signals summed

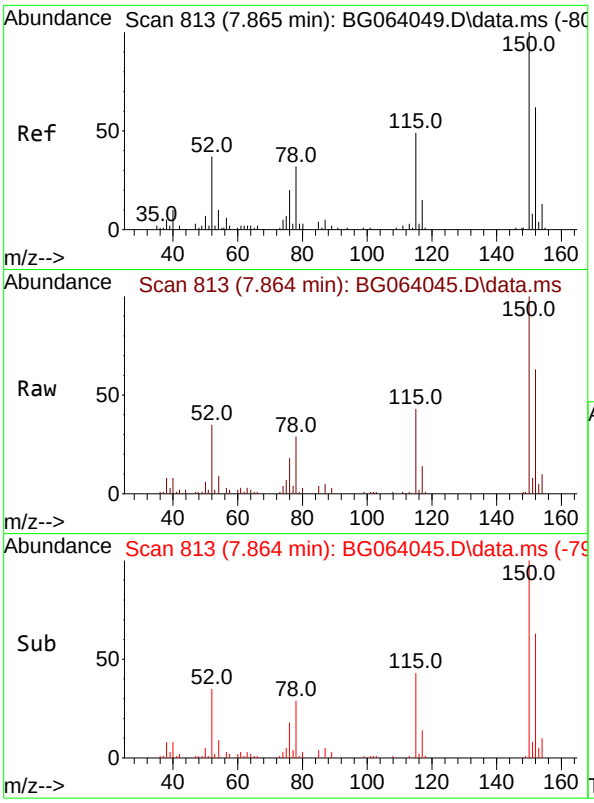
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064045.D
Acq On : 5 Mar 2025 9:02
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Quant Time: Mar 05 15:19:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 14:45:06 2025
Response via : Initial Calibration



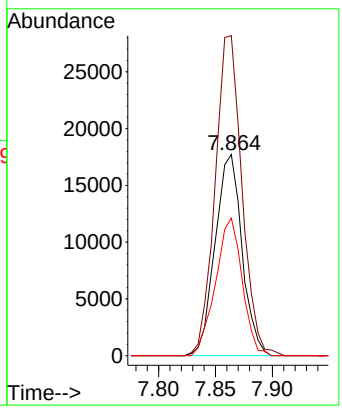


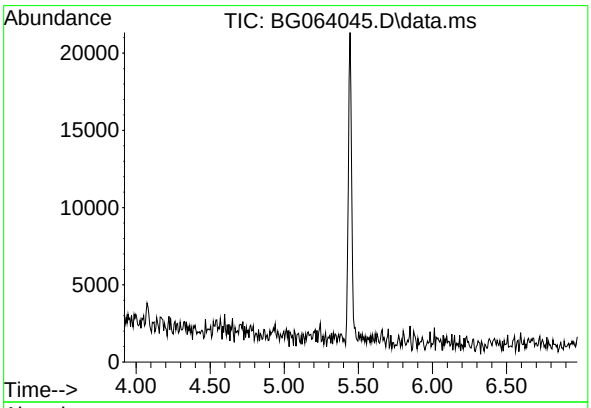
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.864 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG064045.D
Acq: 5 Mar 2025 9:02

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 29138

Ion	Ratio	Lower	Upper
152	100		
150	159.1	129.2	193.8
115	68.4	63.0	94.6



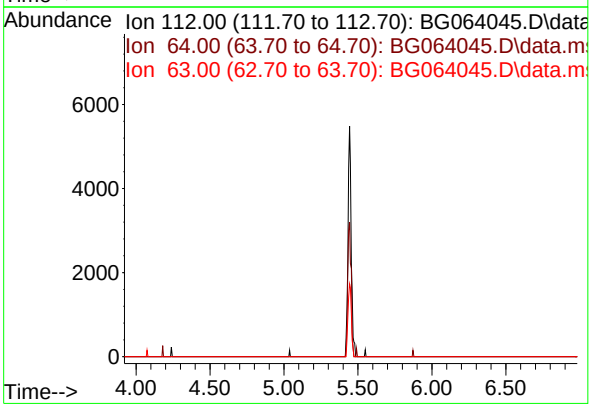


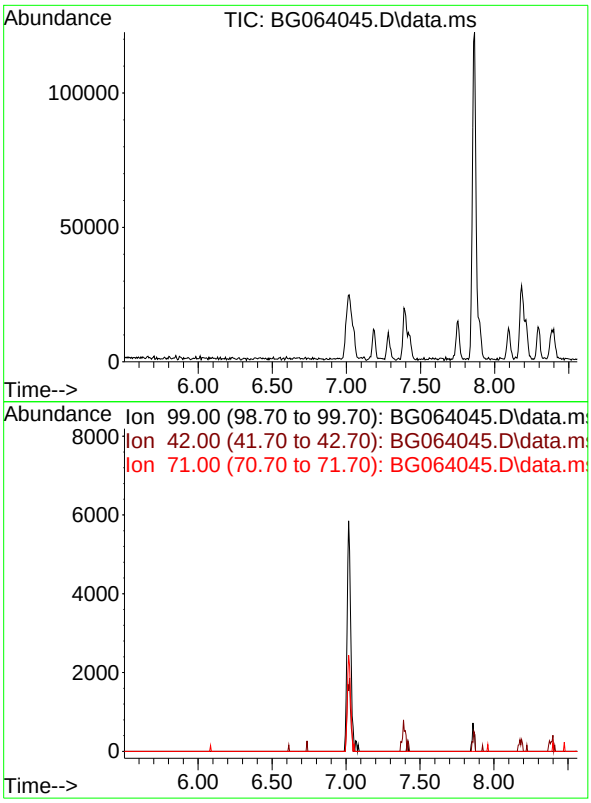
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.45 min

Lab File: BG064045.D
Acq: 5 Mar 2025 9:02

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	67.1
63	37.8





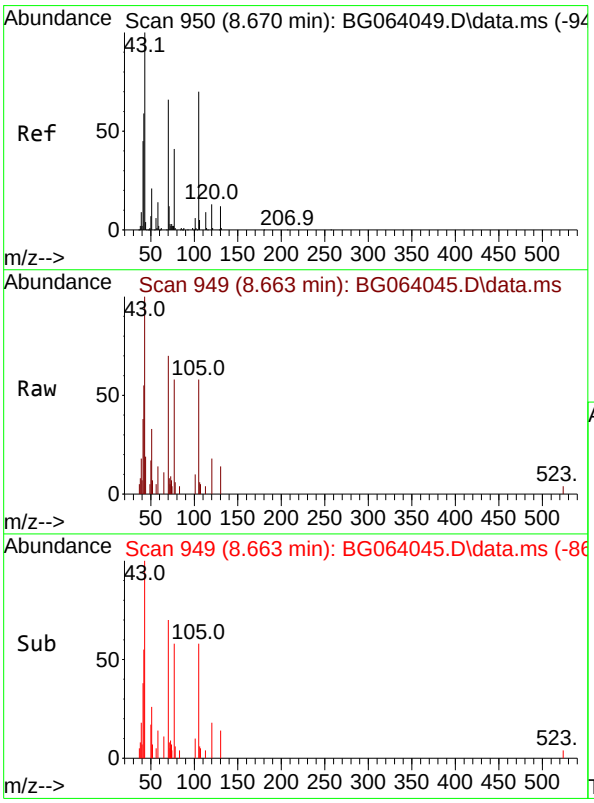
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 7.03 min

Lab File: BG064045.D
Acq: 5 Mar 2025 9:02

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

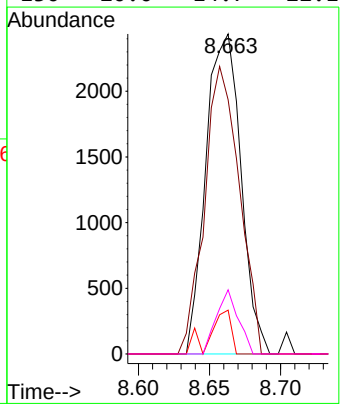
Sig	Exp Ratio
99	100
42	28.4
71	38.3

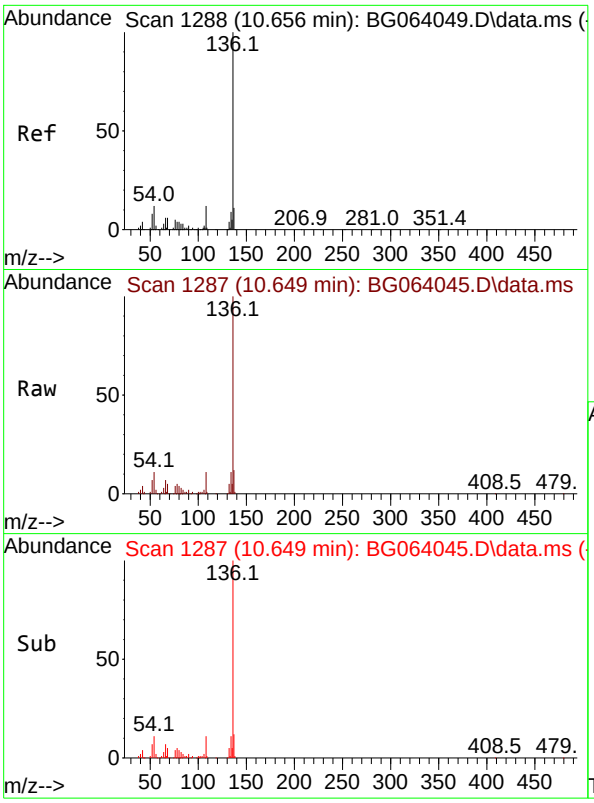


#19
n-Nitroso-di-n-propylamine
Concen: 2.343 ng
RT: 8.663 min Scan# 949
Delta R.T. -0.007 min
Lab File: BG064045.D
Acq: 5 Mar 2025 9:02

Tgt Ion: 70 Resp: 4175

Ion	Ratio	Lower	Upper
70	100		
42	79.5	72.1	108.1
101	13.7	7.2	10.8#
130	20.0	14.7	22.1



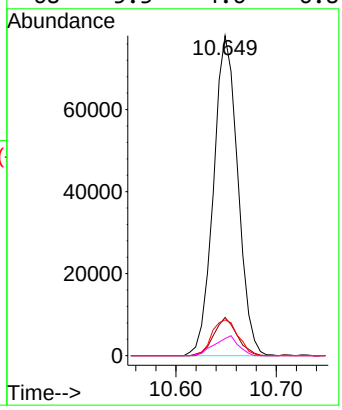


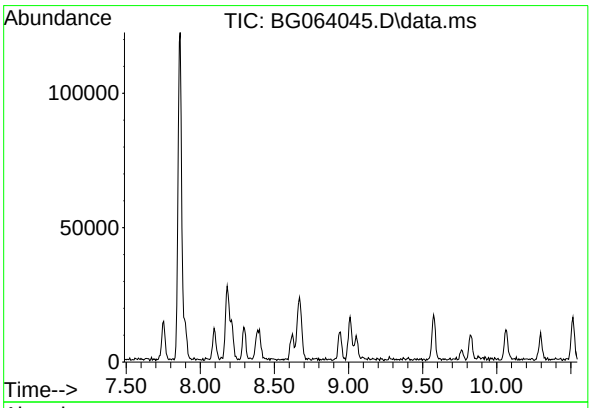
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.649 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG064045.D
Acq: 5 Mar 2025 9:02

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 131138

Ion	Ratio	Lower	Upper
136	100		
137	11.9	8.5	12.7
54	11.2	9.9	14.9
68	5.3	4.6	6.8



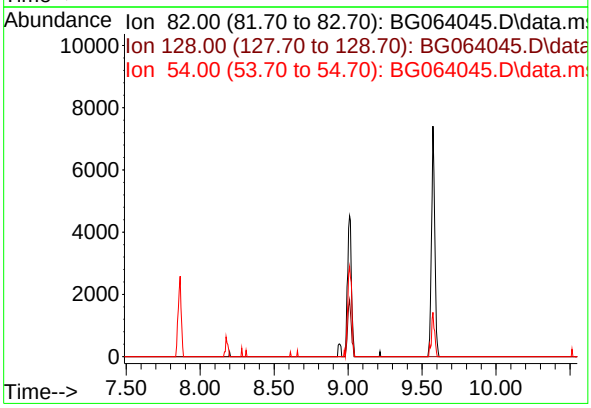


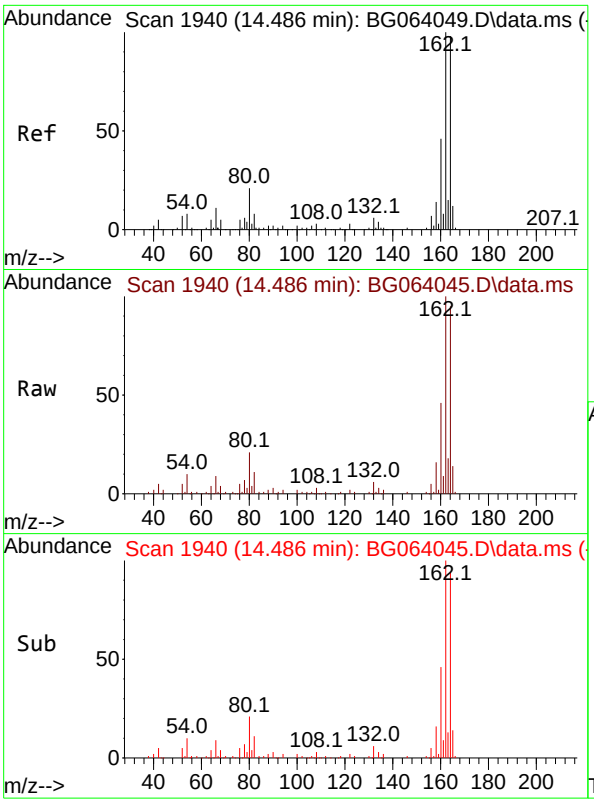
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 9.02 min

Lab File: BG064045.D
Acq: 5 Mar 2025 9:02

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	37.5
54	68.4



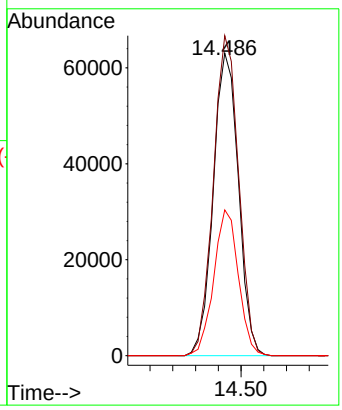


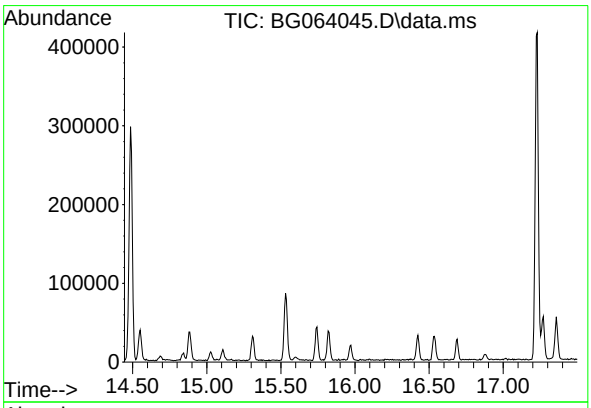
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.486 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064045.D
Acq: 5 Mar 2025 9:02

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 97001

Ion	Ratio	Lower	Upper
164	100		
162	105.8	81.4	122.0
160	48.2	37.0	55.6



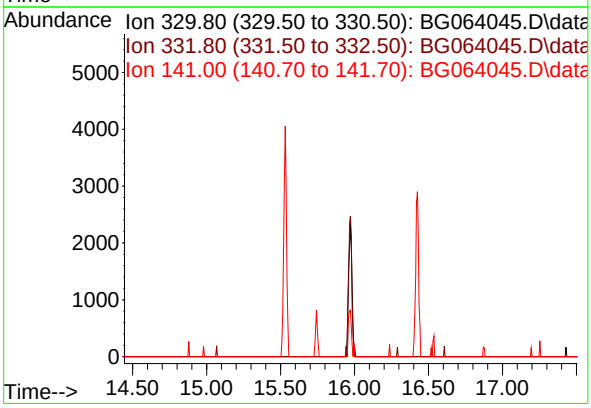


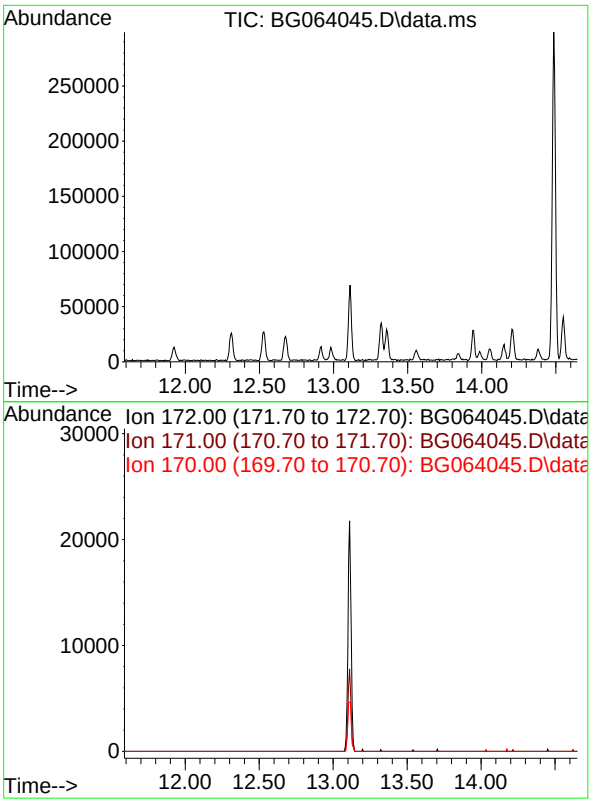
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.97 min

Lab File: BG064045.D
Acq: 5 Mar 2025 9:02

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	95.9
141	37.1





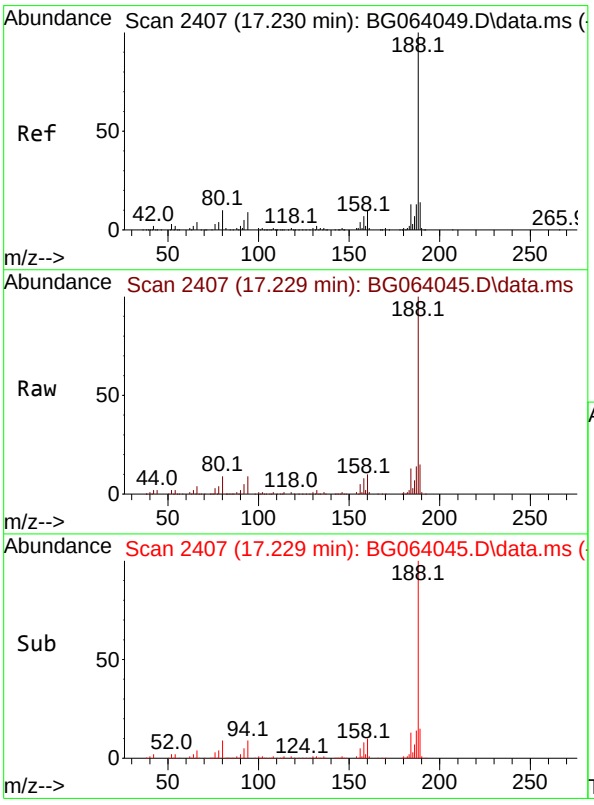
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 13.12 min

Lab File: BG064045.D
Acq: 5 Mar 2025 9:02

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

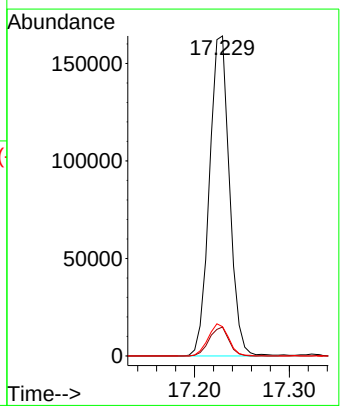
Sig	Exp Ratio
172	100
171	35.0
170	23.4

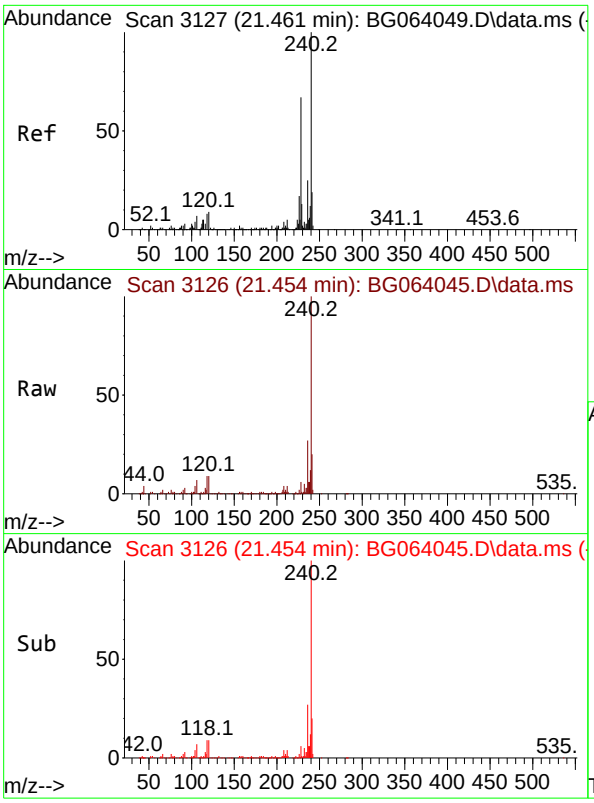


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.229 min Scan# 2407
Delta R.T. -0.001 min
Lab File: BG064045.D
Acq: 5 Mar 2025 9:02

Tgt Ion:188 Resp: 240464

Ion	Ratio	Lower	Upper
188	100		
94	9.1	6.9	10.3
80	9.1	8.1	12.1



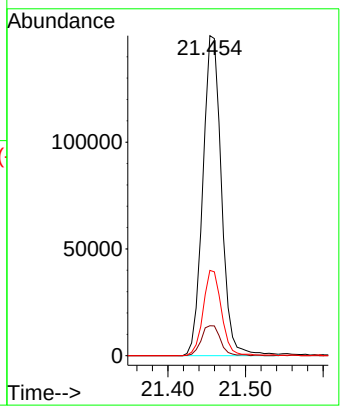


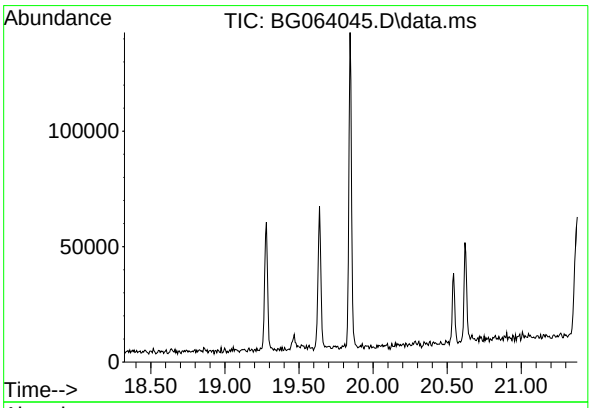
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.454 min Scan# 3
Delta R.T. -0.007 min
Lab File: BG064045.D
Acq: 5 Mar 2025 9:02

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 249925

Ion	Ratio	Lower	Upper
240	100		
120	9.3	7.2	10.8
236	26.6	20.2	30.2



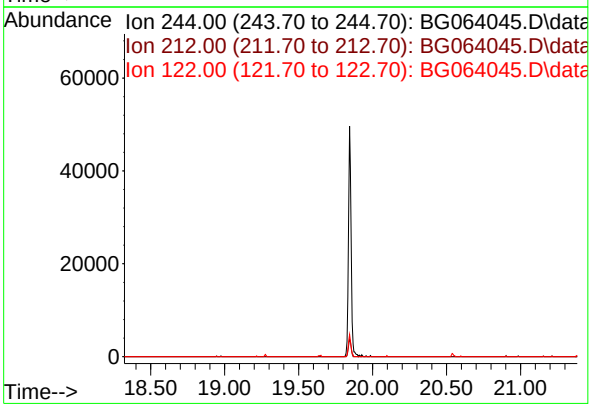


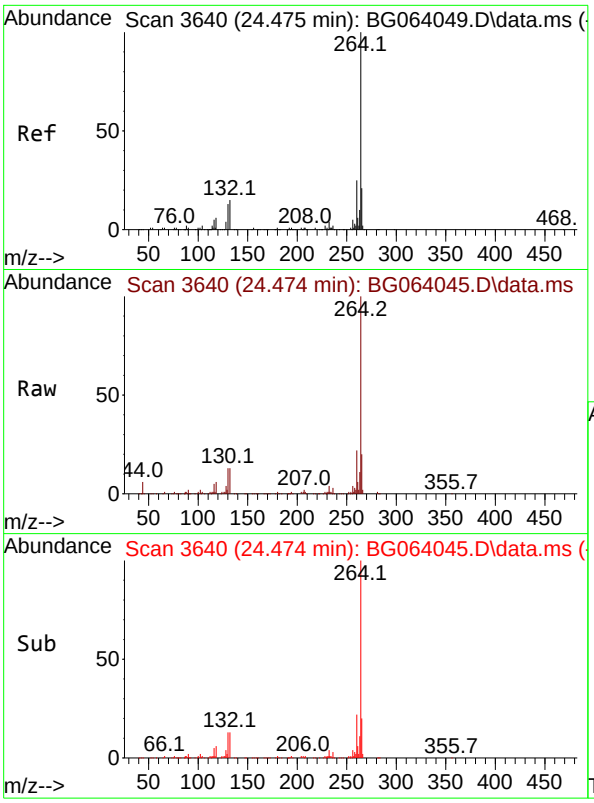
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.85 min

Lab File: BG064045.D
Acq: 5 Mar 2025 9:02

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.8
122	10.0



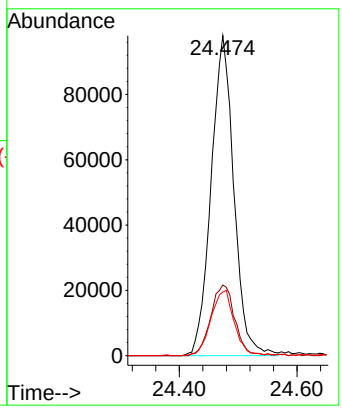


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.474 min Scan# 3
Delta R.T. -0.001 min
Lab File: BG064045.D
Acq: 5 Mar 2025 9:02

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 262700

Ion	Ratio	Lower	Upper
264	100		
260	22.1	19.6	29.4
265	19.9	16.6	25.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064046.D
Acq On : 5 Mar 2025 9:42
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

Quant Time: Mar 05 15:20:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 14:45:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.865	152	33357	20.000	ng		0.00
21) Naphthalene-d8	10.650	136	142015	20.000	ng		0.00
39) Acenaphthene-d10	14.487	164	99722	20.000	ng		0.00
64) Phenanthrene-d10	17.225	188	234862	20.000	ng		0.00
76) Chrysene-d12	21.455	240	251570	20.000	ng		0.00
86) Perylene-d12	24.469	264	257404	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.450	112	19435	9.098	ng		0.00
7) Phenol-d6	7.025	99	26345	9.065	ng		0.00
23) Nitrobenzene-d5	9.011	82	20601	8.016	ng		0.00
42) 2,4,6-Tribromophenol	15.967	330	8299	7.487	ng		0.00
45) 2-Fluorobiphenyl	13.112	172	68235	10.386	ng		0.00
79) Terphenyl-d14	19.845	244	127223	10.226	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.376	88	4983	5.147	ng		88
3) Pyridine	3.764	79	12091	5.135	ng		90
4) n-Nitrosodimethylamine	3.676	42	7436	4.420	ng	#	86
6) Aniline	7.189	93	13285	4.659	ng	#	90
8) 2-Chlorophenol	7.424	128	10525	4.587	ng		93
9) Benzaldehyde	7.007	77	9269	5.456	ng		91
10) Phenol	7.048	94	13256	4.455	ng		95
11) bis(2-Chloroethyl)ether	7.289	93	11465	4.915	ng		92
12) 1,3-Dichlorobenzene	7.753	146	12701	5.041	ng		99
13) 1,4-Dichlorobenzene	7.894	146	12909m	4.999	ng		
14) 1,2-Dichlorobenzene	8.218	146	12410m	4.983	ng		
15) Benzyl Alcohol	8.094	79	9299	4.141	ng	#	91
16) 2,2'-oxybis(1-Chloropr...	8.400	45	25555	4.872	ng		94
17) 2-Methylphenol	8.300	107	8465	4.287	ng		88
18) Hexachloroethane	8.946	117	4075	4.510	ng		85
19) n-Nitroso-di-n-propyla...	8.664	70	9131	4.477	ng	#	96
20) 3+4-Methylphenols	8.623	107	11690	4.300	ng		95
22) Acetophenone	8.676	105	18540	4.761	ng		95
24) Nitrobenzene	9.052	77	10563	3.977	ng	#	91
25) Isophorone	9.575	82	25179	4.895	ng		98
26) 2-Nitrophenol	9.769	139	2362	6.094	ng		88
27) 2,4-Dimethylphenol	9.822	122	6887	4.466	ng	#	88
28) bis(2-Chloroethoxy)met...	10.062	93	15067	4.832	ng		95
29) 2,4-Dichlorophenol	10.297	162	7898	4.056	ng		96
30) 1,2,4-Trichlorobenzene	10.515	180	11480	4.884	ng		93
31) Naphthalene	10.703	128	38285	4.999	ng		99
33) 4-Chloroaniline	10.809	127	12591	4.499	ng		95
34) Hexachlorobutadiene	10.997	225	7373	4.786	ng	#	91
35) Caprolactam	11.537	113	3052	4.090	ng	#	89
36) 4-Chloro-3-methylphenol	11.925	107	10408	4.078	ng		92
37) 2-Methylnaphthalene	12.313	142	27533	5.093	ng		99
38) 1-Methylnaphthalene	12.530	142	26458	4.995	ng		97
40) 1,2,4,5-Tetrachloroben...	12.677	216	13634	4.789	ng		94
41) Hexachlorocyclopentadiene	12.665	237	3078	3.841	ng		97
43) 2,4,6-Trichlorophenol	12.912	196	6684m	3.983	ng		
44) 2,4,5-Trichlorophenol	12.983	196	7092	3.804	ng		94

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064046.D
Acq On : 5 Mar 2025 9:42
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

Quant Time: Mar 05 15:20:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 14:45:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	13.323	154	37550	4.984	ng		98
47) 2-Chloronaphthalene	13.359	162	27076	4.928	ng		95
48) 2-Nitroaniline	13.552	65	4908	6.075	ng		84
49) Acenaphthylene	14.205	152	42736	4.917	ng		96
50) Dimethylphthalate	13.940	163	35694	4.849	ng		99
51) 2,6-Dinitrotoluene	14.058	165	3942	5.812	ng	#	81
52) Acenaphthene	14.551	154	29044m	4.969	ng		
53) 3-Nitroaniline	14.387	138	4736	3.329	ng	#	84
55) Dibenzofuran	14.880	168	48004	5.080	ng		96
57) 2,4-Dinitrotoluene	14.839	165	5618	6.165	ng	#	95
58) Fluorene	15.532	166	38777	5.269	ng		90
59) 2,3,4,6-Tetrachlorophenol	15.109	232	6538	3.597	ng	#	94
60) Diethylphthalate	15.309	149	37289	4.666	ng		98
61) 4-Chlorophenyl-phenyle...	15.532	204	18807	5.142	ng		89
62) 4-Nitroaniline	15.538	138	5314	3.460	ng		93
63) Azobenzene	15.820	77	43236	5.070	ng		96
66) n-Nitrosodiphenylamine	15.744	169	32754	4.927	ng		96
67) 4-Bromophenyl-phenylether	16.426	248	10898	4.531	ng		93
68) Hexachlorobenzene	16.531	284	13351	4.958	ng		99
69) Atrazine	16.690	200	10297	5.264	ng		89
71) Phenanthrene	17.266	178	63629	5.079	ng		98
72) Anthracene	17.354	178	60108	4.825	ng		98
73) Carbazole	17.624	167	55726	4.792	ng		99
74) Di-n-butylphthalate	18.200	149	54700	3.996	ng	#	95
75) Fluoranthene	19.275	202	74694	4.946	ng		99
77) Benzidine	19.463	184	13919m	3.941	ng		
78) Pyrene	19.639	202	78707	4.853	ng		98
80) Butylbenzylphthalate	20.538	149	17899	6.356	ng		96
81) Benzo(a)anthracene	21.437	228	76566	4.751	ng		98
82) 3,3'-Dichlorobenzidine	21.361	252	22038	4.226	ng		89
83) Chrysene	21.502	228	80580	5.014	ng		98
84) Bis(2-ethylhexyl)phtha...	21.379	149	31674	3.634	ng		94
87) Indeno(1,2,3-cd)pyrene	27.865	276	78681	4.569	ng	#	94
88) Benzo(b)fluoranthene	23.523	252	74031	4.757	ng		99
89) Benzo(k)fluoranthene	23.588	252	71522	4.582	ng		98
90) Benzo(a)pyrene	24.322	252	63881	4.610	ng	#	96
91) Dibenzo(a,h)anthracene	27.912	278	66224	4.638	ng		98
92) Benzo(g,h,i)perylene	28.905	276	67535	4.607	ng	#	93

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

ICAL Form

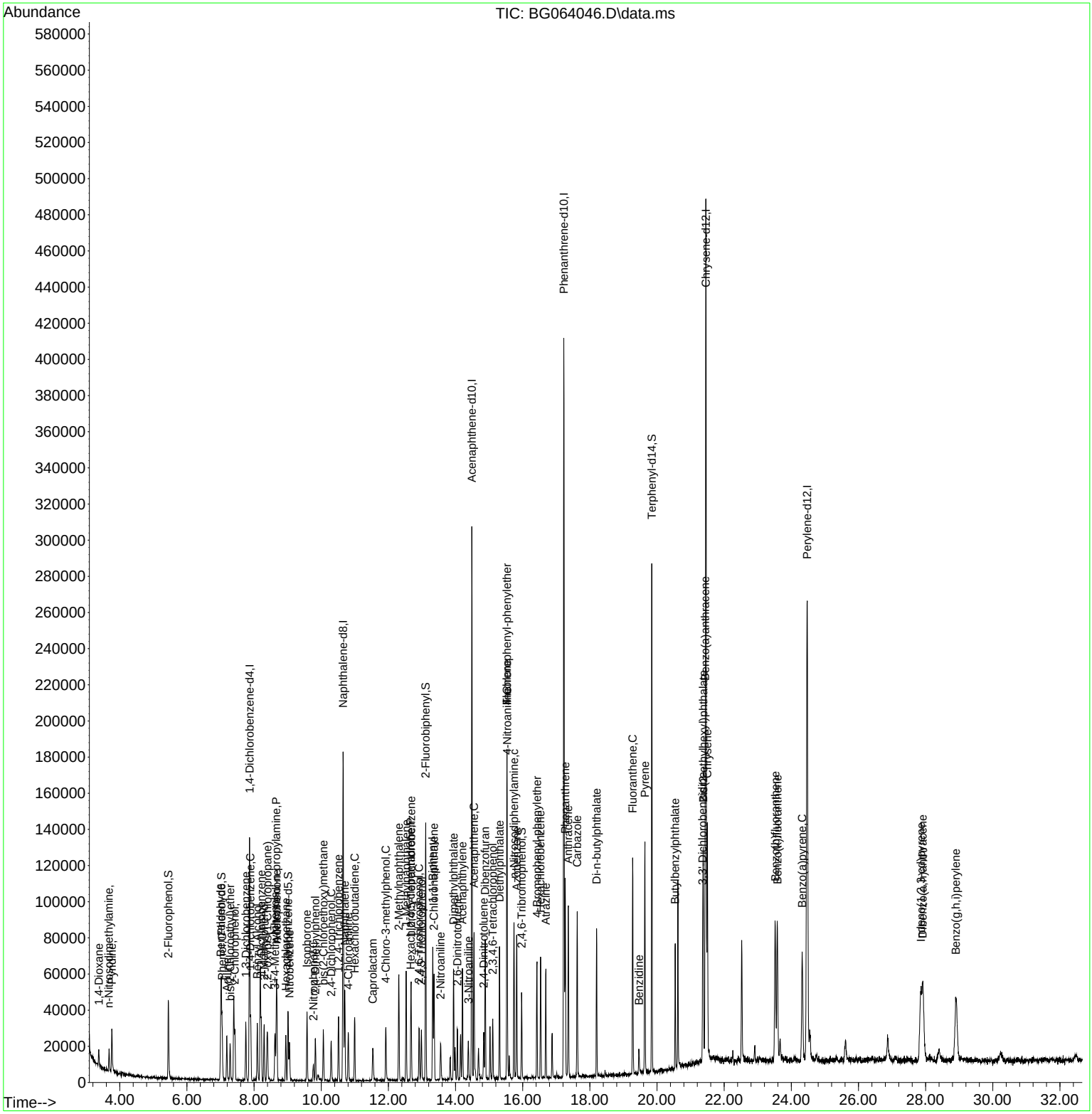
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064046.D
Acq On : 5 Mar 2025 9:42
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

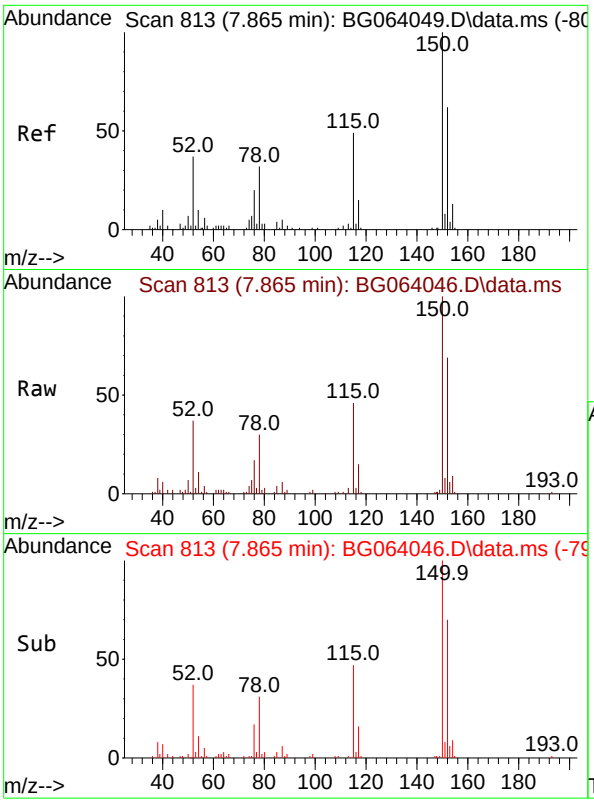
Quant Time: Mar 05 15:20:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 14:45:06 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

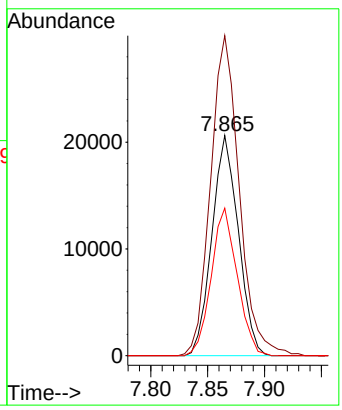




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.865 min Scan# 81
Delta R.T. -0.000 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:152 Resp: 3335

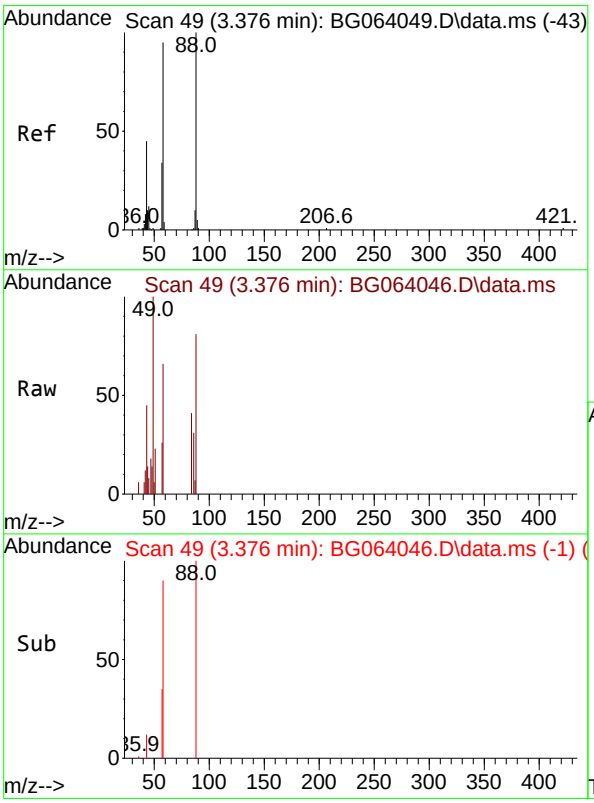
Ion	Ratio	Lower	Upper
152	100		
150	145.3	129.2	193.8
115	67.0	63.0	94.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

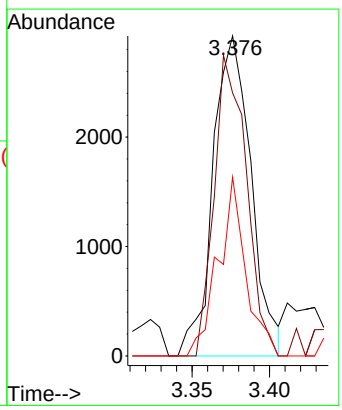
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

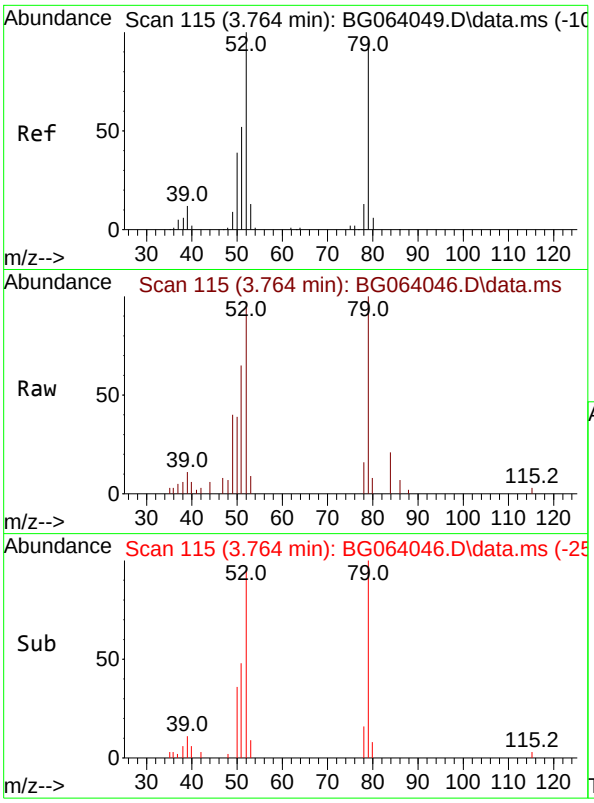


#2
1,4-Dioxane
Concen: 5.147 ng
RT: 3.376 min Scan# 49
Delta R.T. 0.000 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion: 88 Resp: 4983

Ion	Ratio	Lower	Upper
88	100		
58	79.5	74.6	111.8
43	40.5	35.5	53.3

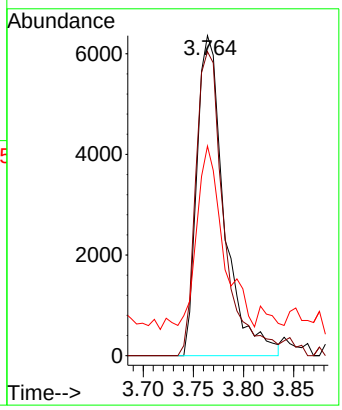




#3
Pyridine
Concen: 5.135 ng
RT: 3.764 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion: 79 Resp: 1209

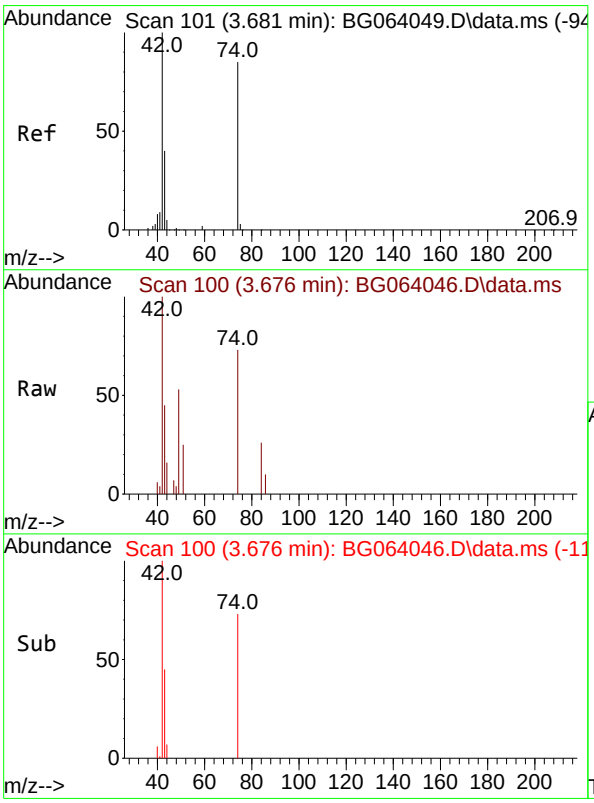
Ion	Ratio	Lower	Upper
79	100		
52	95.0	83.0	124.6
51	65.5	44.3	66.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

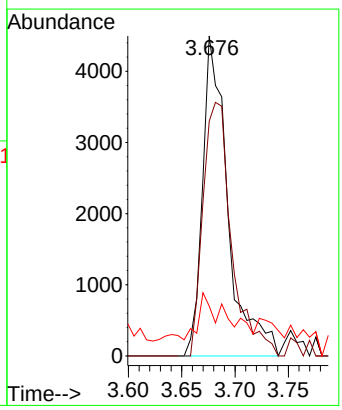
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

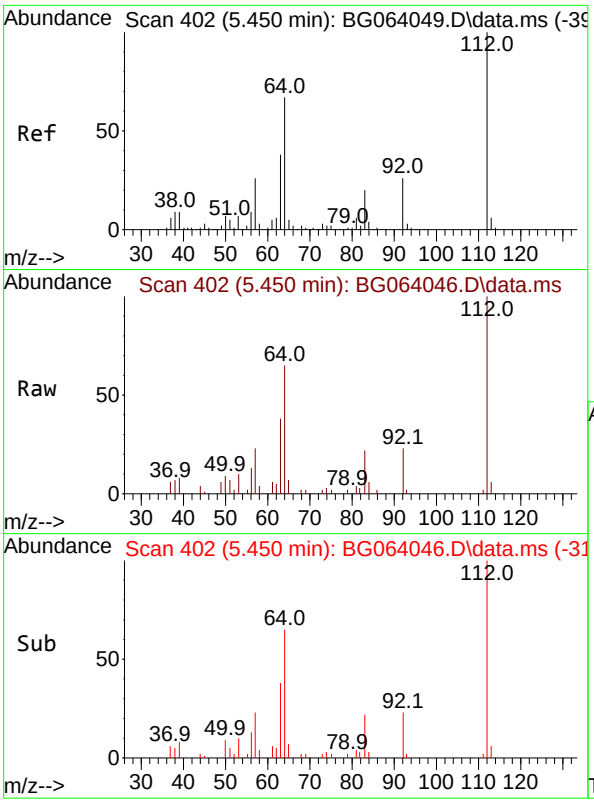


#4
n-Nitrosodimethylamine
Concen: 4.420 ng
RT: 3.676 min Scan# 100
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion: 42 Resp: 7436

Ion	Ratio	Lower	Upper
42	100		
74	73.4	68.0	102.0
44	15.6	4.9	7.3#

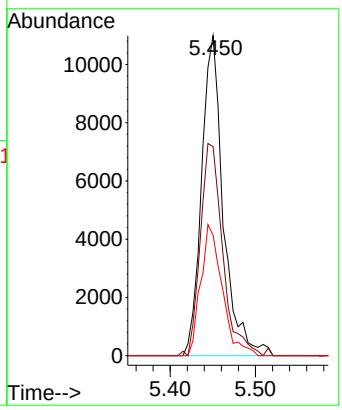




#5
2-Fluorophenol
Concen: 9.098 ng
RT: 5.450 min Scan# 4(
Delta R.T. 0.000 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:112 Resp: 1943

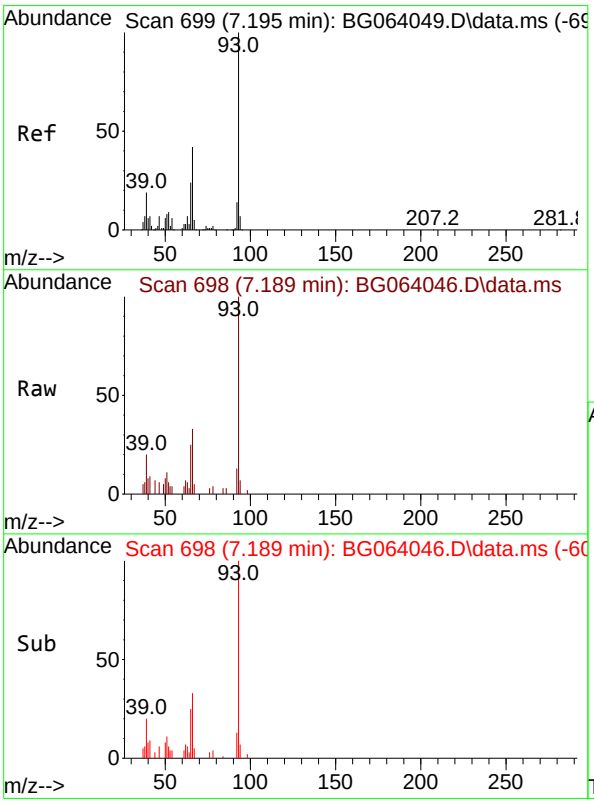
Ion	Ratio	Lower	Upper
112	100		
64	65.4	53.7	80.5
63	37.6	30.2	45.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

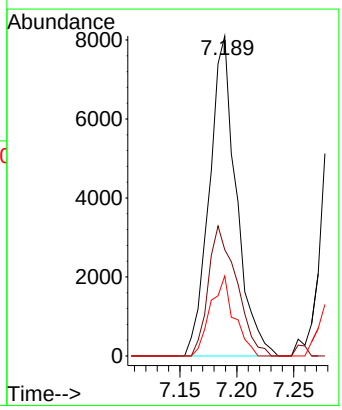
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

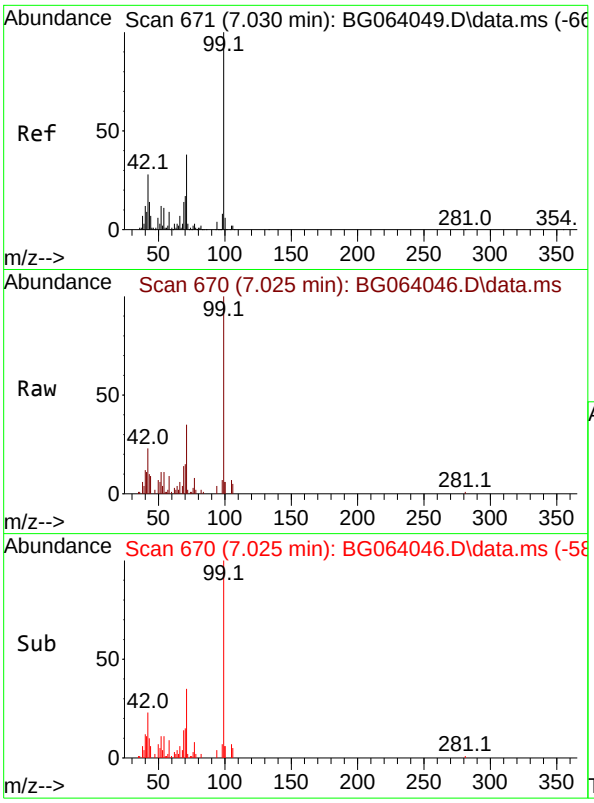


#6
Aniline
Concen: 4.659 ng
RT: 7.189 min Scan# 698
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion: 93 Resp: 13285

Ion	Ratio	Lower	Upper
93	100		
66	33.2	33.7	50.5#
65	25.0	19.1	28.7

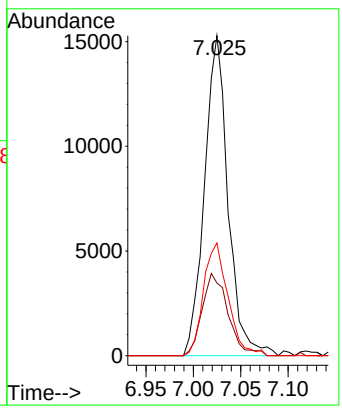




#7
Phenol-d6
Concen: 9.065 ng
RT: 7.025 min Scan# 6
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion: 99 Resp: 2634

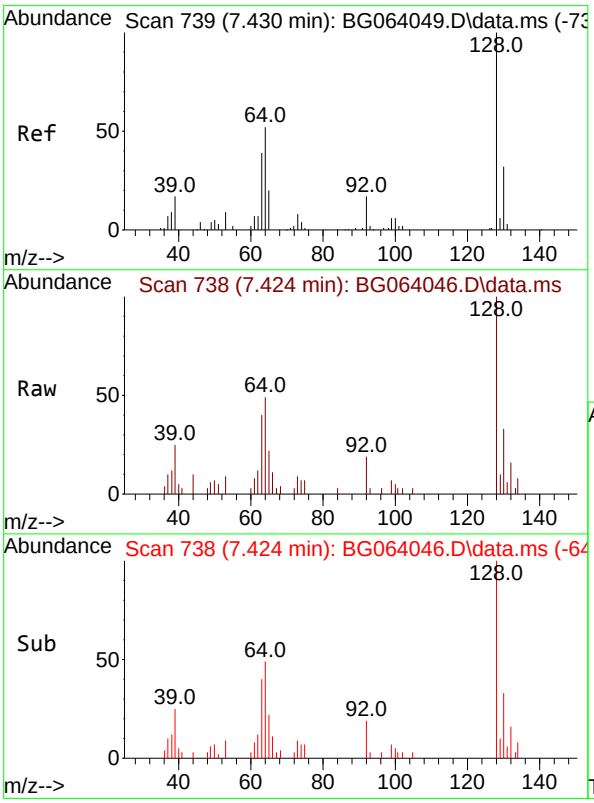
Ion	Ratio	Lower	Upper
99	100		
42	22.7	22.7	34.1#
71	35.2	30.6	46.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

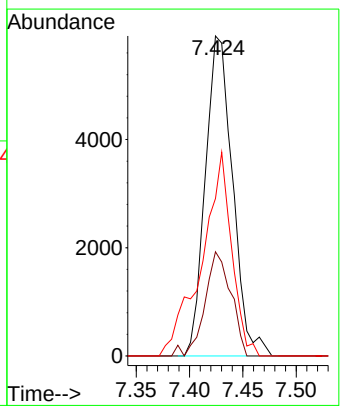
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

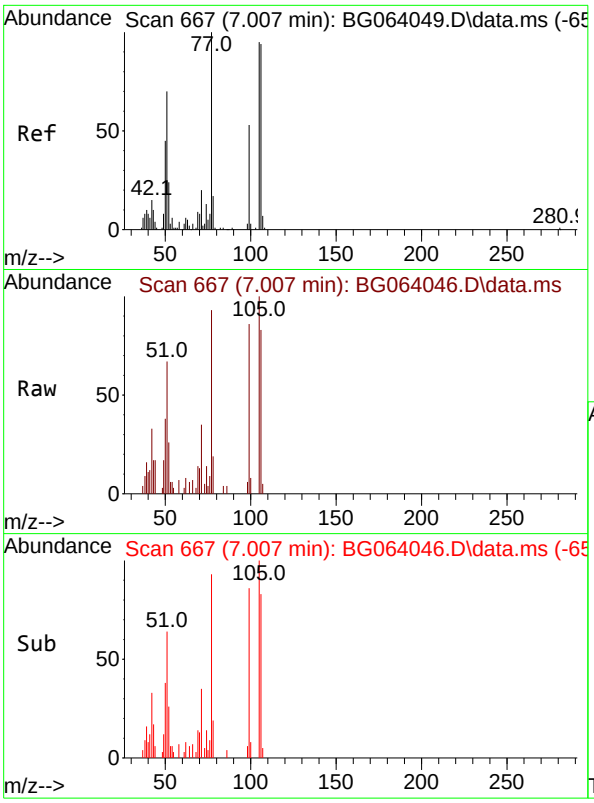


#8
2-Chlorophenol
Concen: 4.587 ng
RT: 7.424 min Scan# 738
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:128 Resp: 10525

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.3	52.3
64	49.2	37.0	77.0

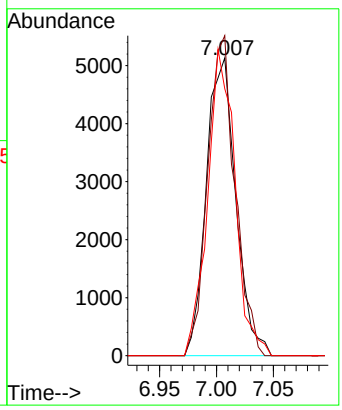




#9
Benzaldehyde
Concen: 5.456 ng
RT: 7.007 min Scan# 6
Delta R.T. 0.000 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion: 77 Resp: 926

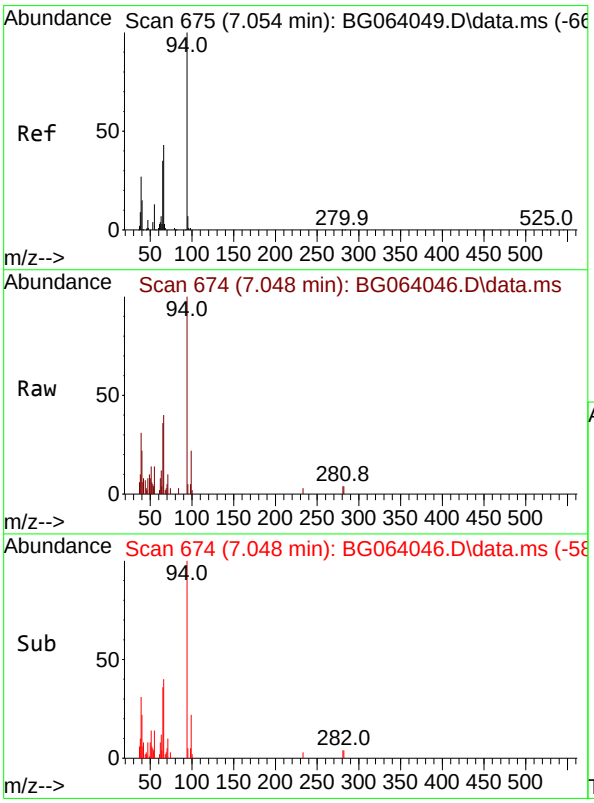
Ion	Ratio	Lower	Upper
77	100		
105	107.4	75.5	115.5
106	89.7	74.2	114.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

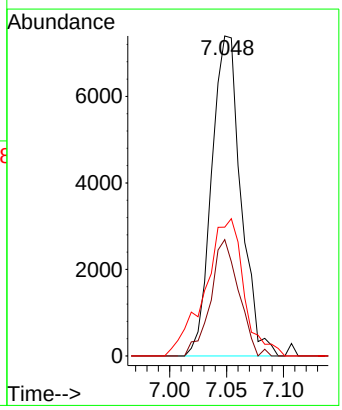
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

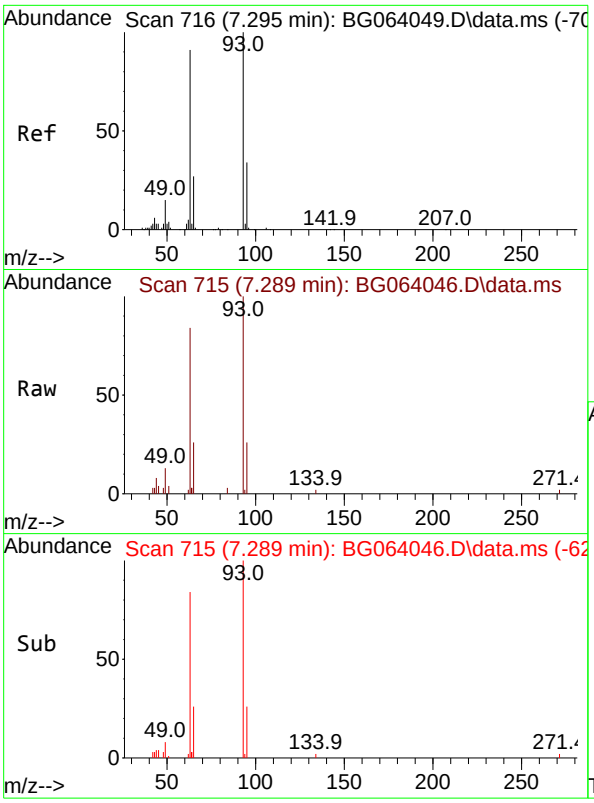


#10
Phenol
Concen: 4.455 ng
RT: 7.048 min Scan# 674
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion: 94 Resp: 13256

Ion	Ratio	Lower	Upper
94	100		
65	36.4	15.2	55.2
66	40.2	25.1	65.1

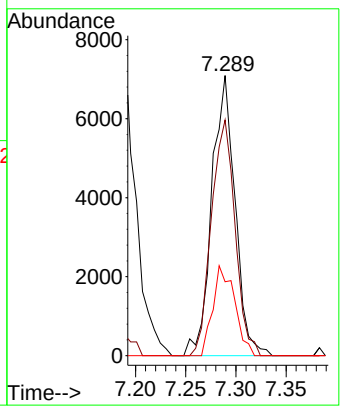




#11
bis(2-Chloroethyl)ether
Concen: 4.915 ng
RT: 7.289 min Scan# 7
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion: 93 Resp: 1146

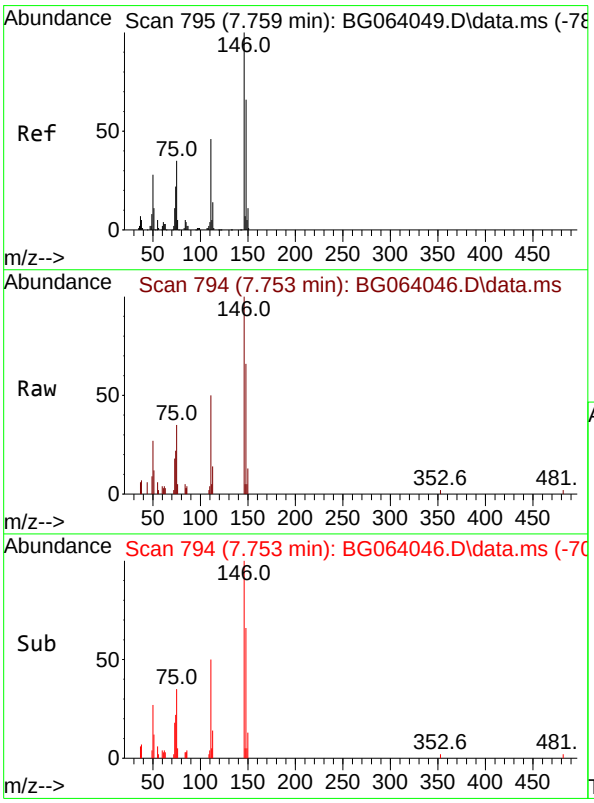
Ion	Ratio	Lower	Upper
93	100		
63	84.1	70.0	110.0
95	26.4	13.7	53.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

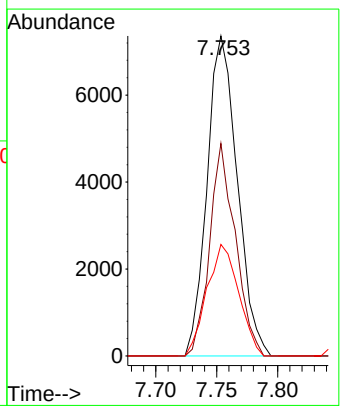
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

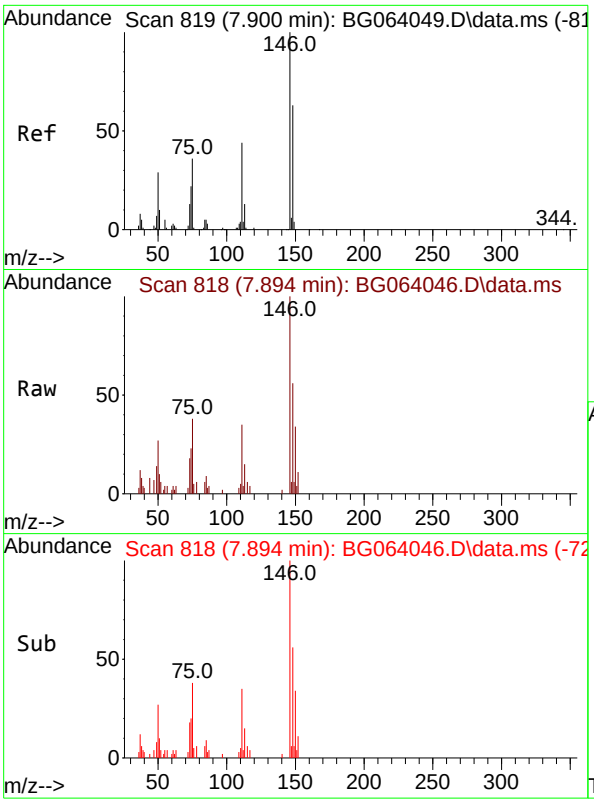


#12
1,3-Dichlorobenzene
Concen: 5.041 ng
RT: 7.753 min Scan# 794
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:146 Resp: 12701

Ion	Ratio	Lower	Upper
146	100		
148	66.4	52.6	78.8
75	34.9	28.1	42.1

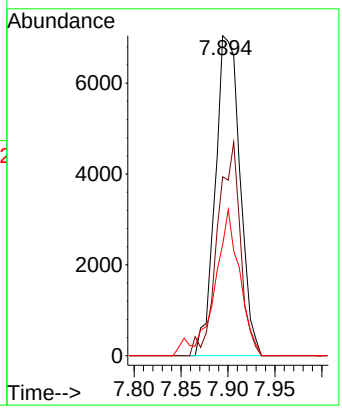




#13
1,4-Dichlorobenzene
Concen: 4.999 ng m
RT: 7.894 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:146 Resp: 1290

Ion	Ratio	Lower	Upper
146	100		
148	55.9	50.6	75.8
111	34.7	35.1	52.7#



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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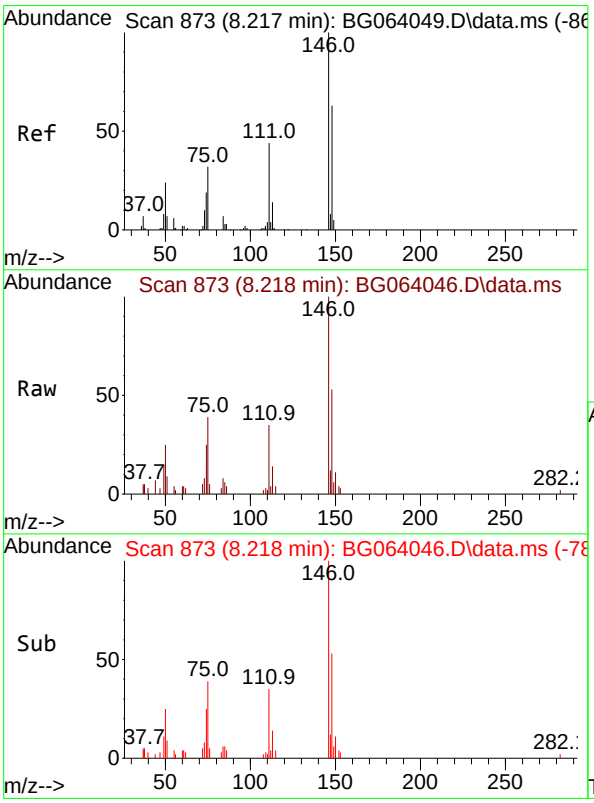
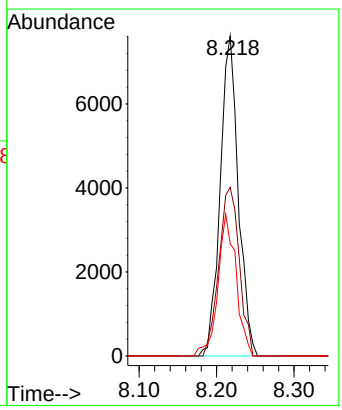
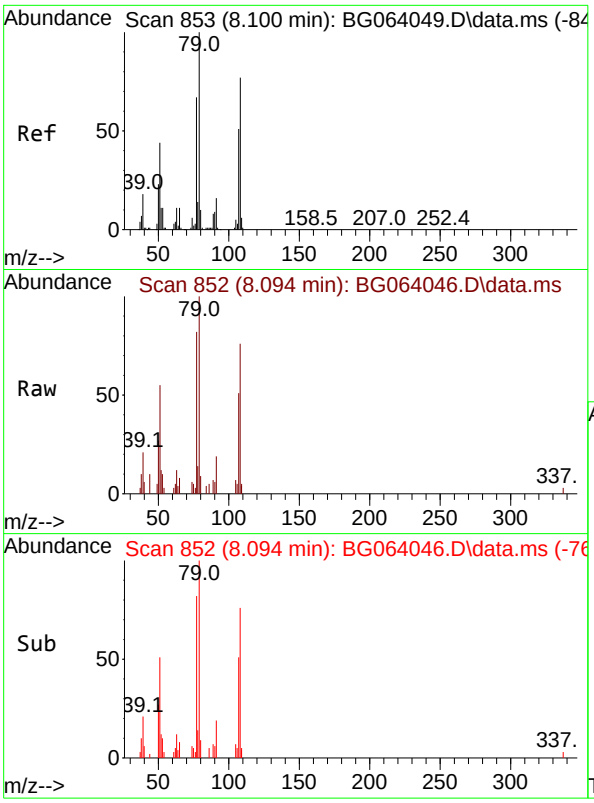


#14
1,2-Dichlorobenzene
Concen: 4.983 ng m
RT: 8.218 min Scan# 873
Delta R.T. 0.000 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:146 Resp: 12410

Ion	Ratio	Lower	Upper
146	100		
148	52.7	50.2	75.2
111	35.0	36.4	54.6#

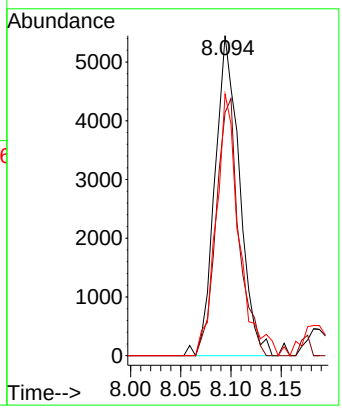




#15
Benzyl Alcohol
Concen: 4.141 ng
RT: 8.094 min Scan# 8
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion: 79 Resp: 929

Ion	Ratio	Lower	Upper
79	100		
108	76.0	61.7	92.5
77	81.7	53.9	80.9



Instrument :
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ClientSampleId :
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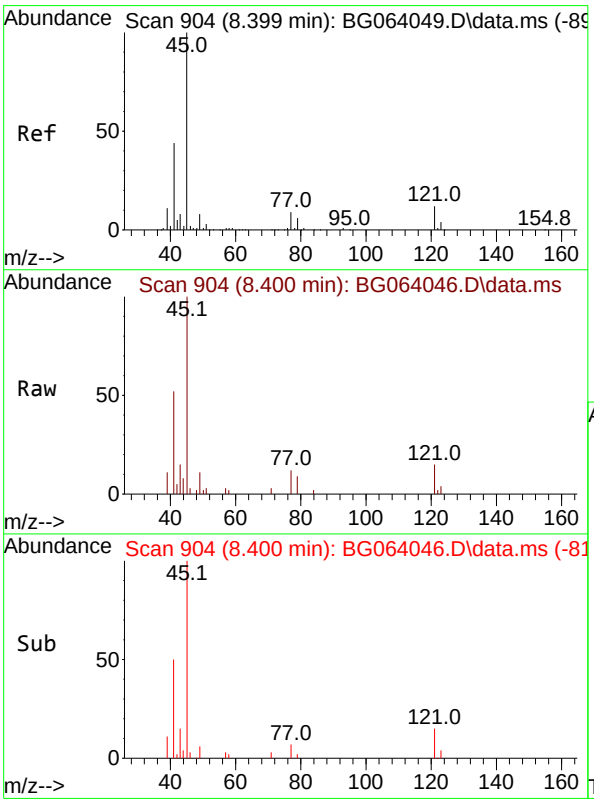
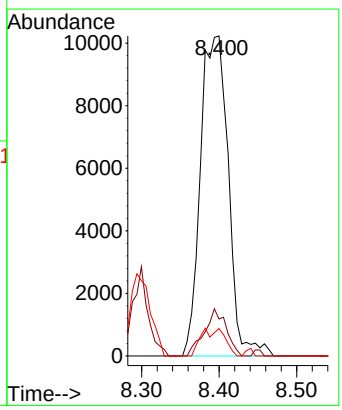
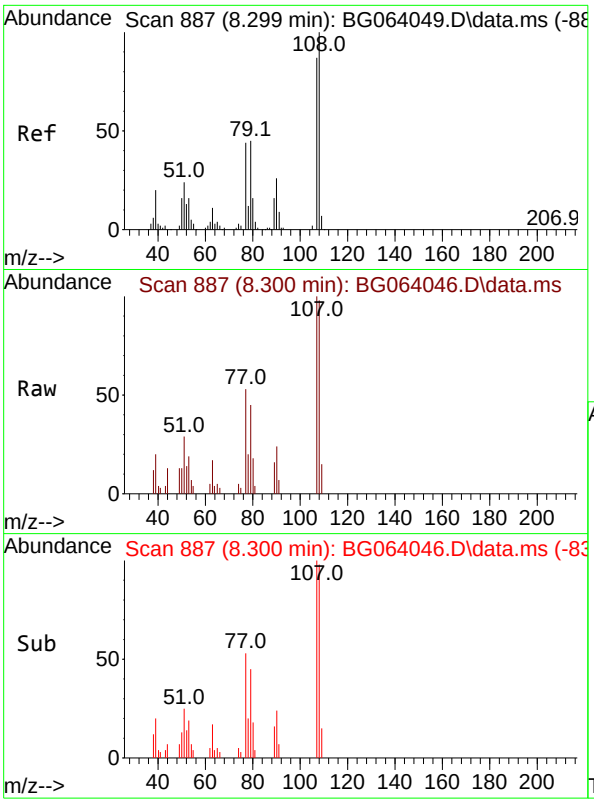


#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.872 ng
RT: 8.400 min Scan# 904
Delta R.T. 0.000 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion: 45 Resp: 25555

Ion	Ratio	Lower	Upper
45	100		
77	11.5	0.0	29.0
79	8.5	0.0	26.6

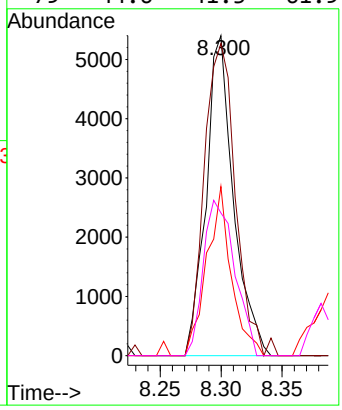




#17
2-Methylphenol
Concen: 4.287 ng
RT: 8.300 min Scan# 8
Delta R.T. 0.000 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:107 Resp: 846

Ion	Ratio	Lower	Upper
107	100		
108	97.5	92.5	138.7
77	52.8	40.5	60.7
79	44.6	41.3	61.9



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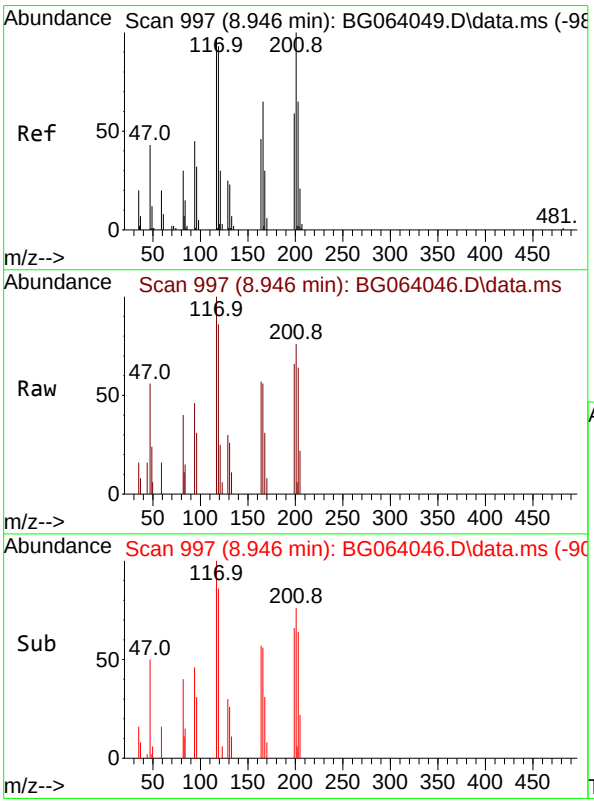
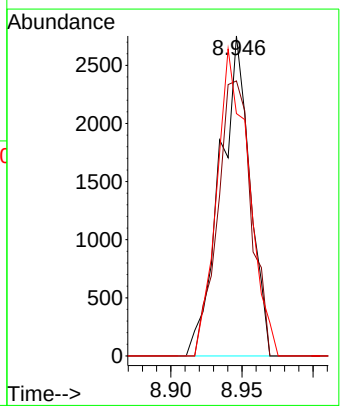
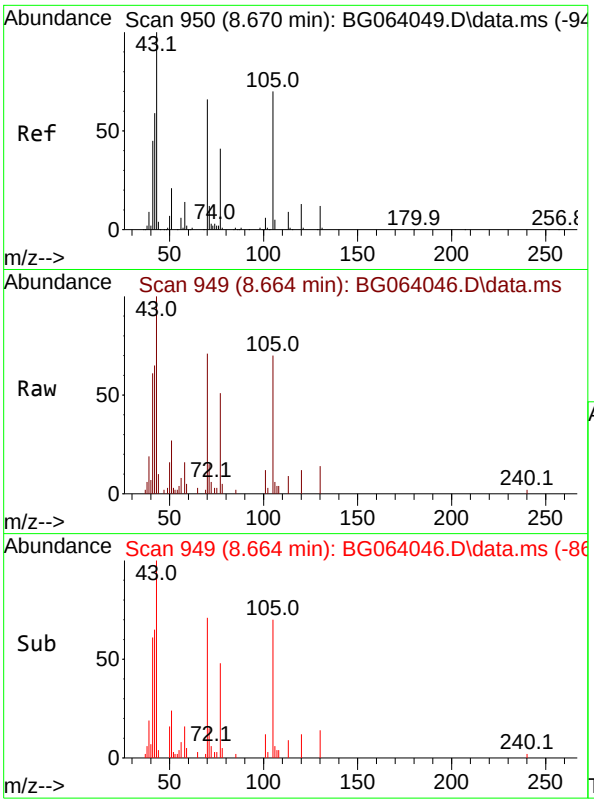


#18
Hexachloroethane
Concen: 4.510 ng
RT: 8.946 min Scan# 997
Delta R.T. 0.000 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:117 Resp: 4075

Ion	Ratio	Lower	Upper
117	100		
119	85.9	76.2	114.2
201	81.9	81.5	122.3

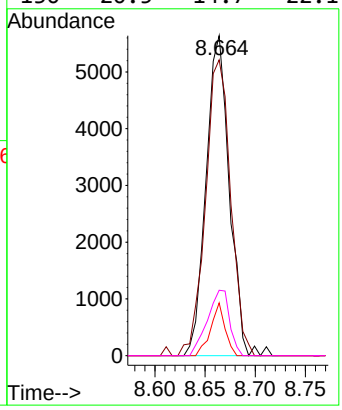




#19
n-Nitroso-di-n-propylamine
Concen: 4.477 ng
RT: 8.664 min Scan# 94
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion: 70 Resp: 913

Ion	Ratio	Lower	Upper
70	100		
42	92.5	72.1	108.1
101	16.5	7.2	10.8
130	20.5	14.7	22.1



Instrument :
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ClientSampleId :
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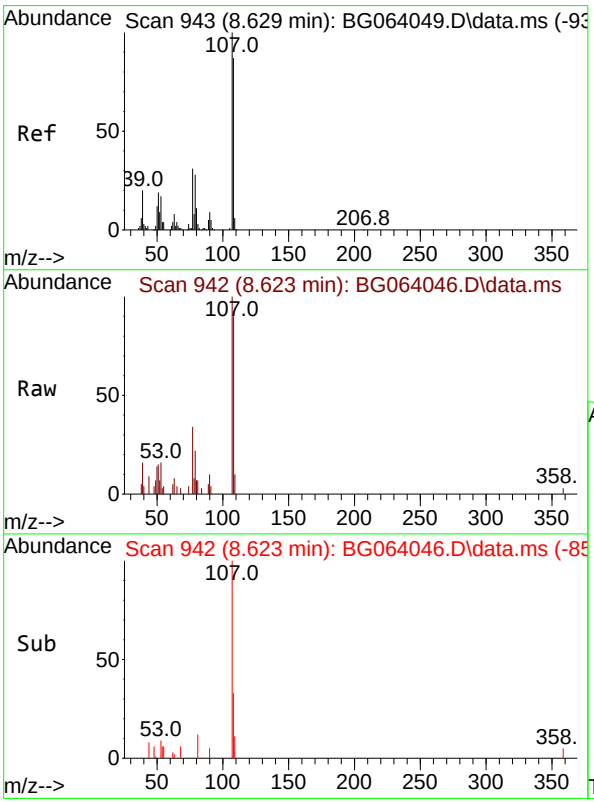
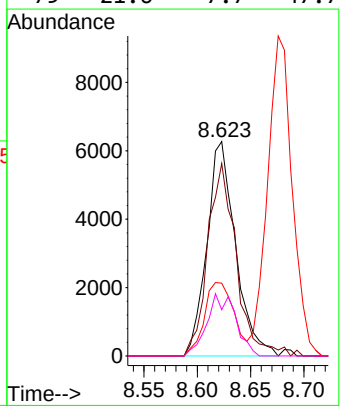
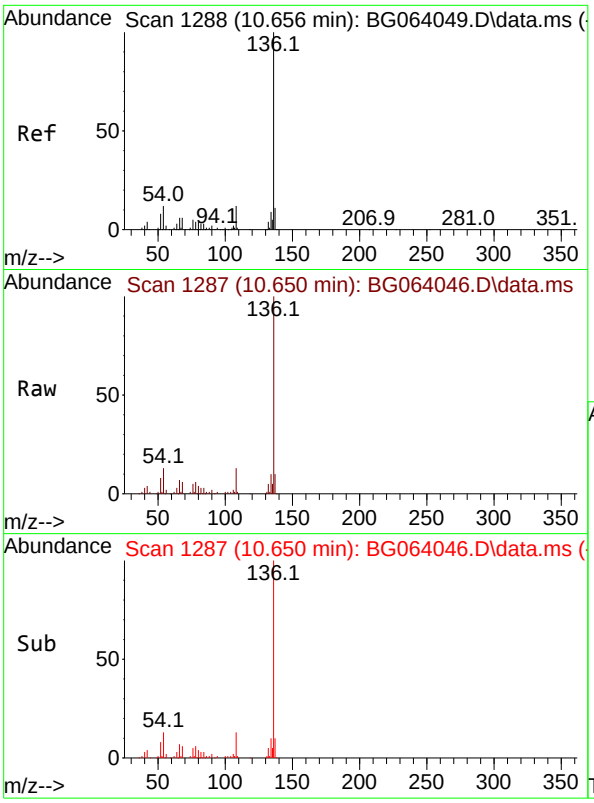


#20
3+4-Methylphenols
Concen: 4.300 ng
RT: 8.623 min Scan# 942
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:107 Resp: 11690

Ion	Ratio	Lower	Upper
107	100		
108	89.8	67.0	107.0
77	33.9	11.2	51.2
79	21.6	7.7	47.7

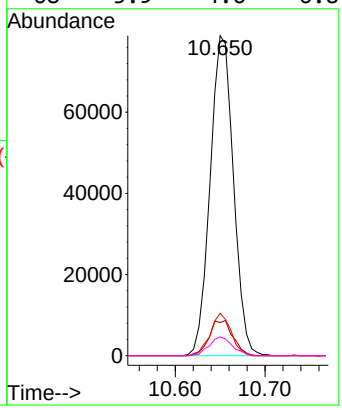




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.650 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:136 Resp: 14201

Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.5	12.7
54	13.2	9.9	14.9
68	5.9	4.6	6.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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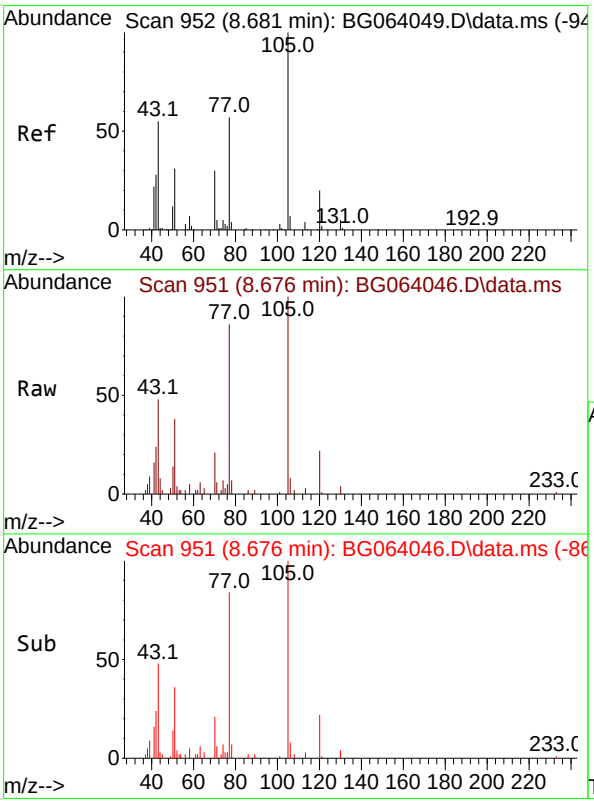
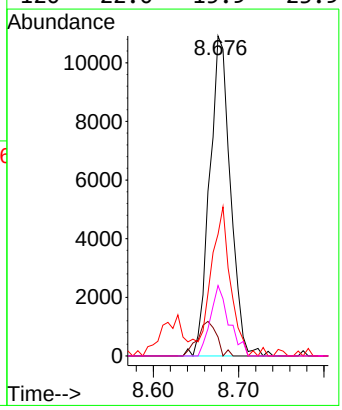
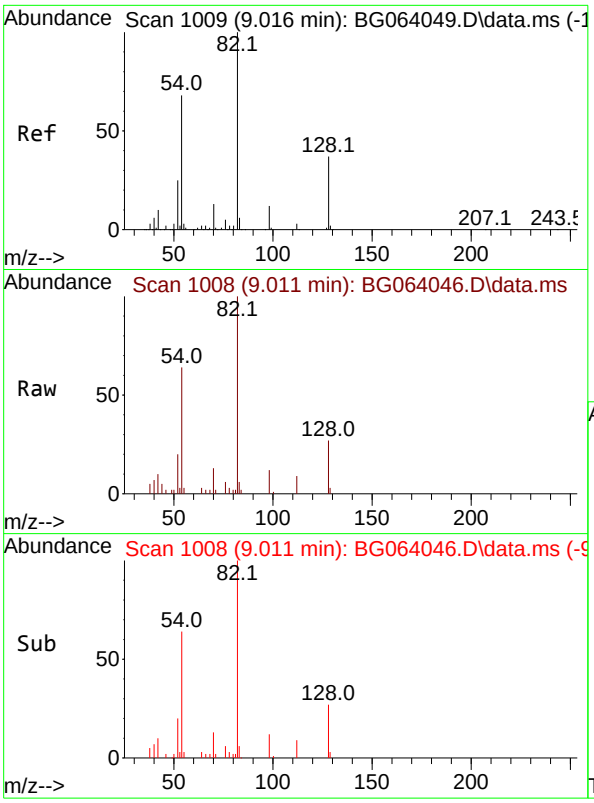


#22
Acetophenone
Concen: 4.761 ng
RT: 8.676 min Scan# 951
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:105 Resp: 18540

Ion	Ratio	Lower	Upper
105	100		
71	5.9	4.2	6.4
51	38.1	33.3	49.9
120	22.0	15.9	23.9

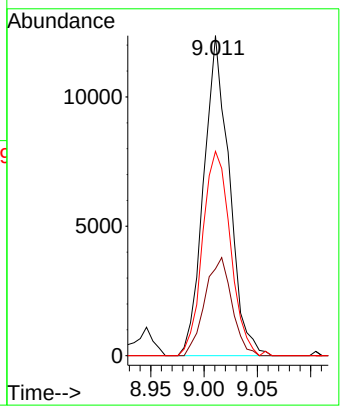




#23
Nitrobenzene-d5
Concen: 8.016 ng
RT: 9.011 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion: 82 Resp: 2060

Ion	Ratio	Lower	Upper
82	100		
128	27.2	30.0	45.0#
54	63.8	54.7	82.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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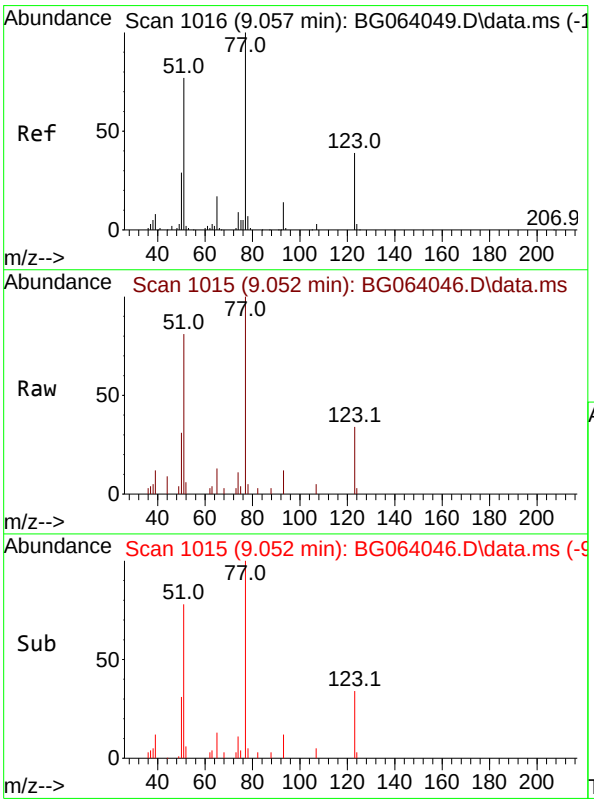
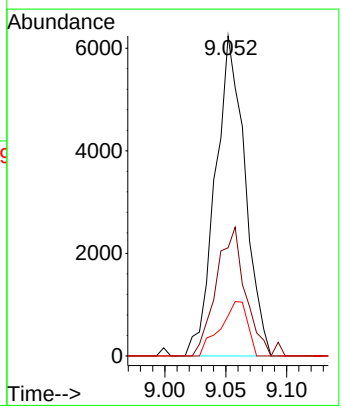
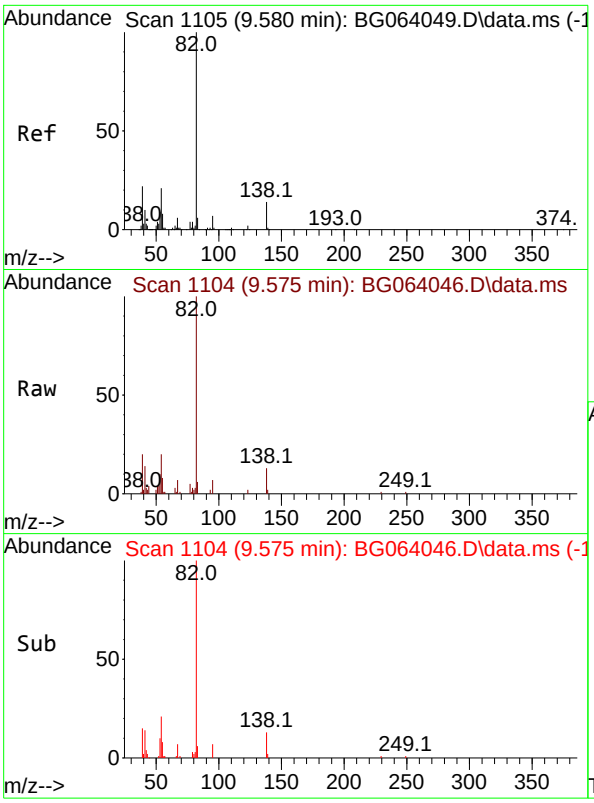


#24
Nitrobenzene
Concen: 3.977 ng
RT: 9.052 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion: 77 Resp: 10563

Ion	Ratio	Lower	Upper
77	100		
123	33.8	31.4	47.2
65	12.6	13.4	20.0#





#25
Isophorone
Concen: 4.895 ng
RT: 9.575 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion: 82 Resp: 2517

Ion	Ratio	Lower	Upper
82	100		
95	7.4	5.8	8.8
138	12.6	10.9	16.3

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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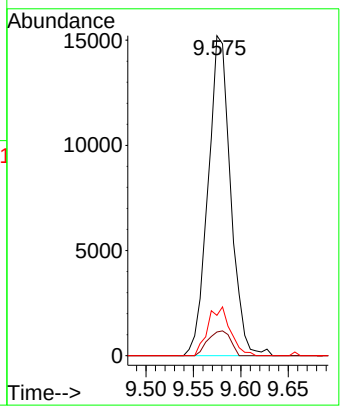
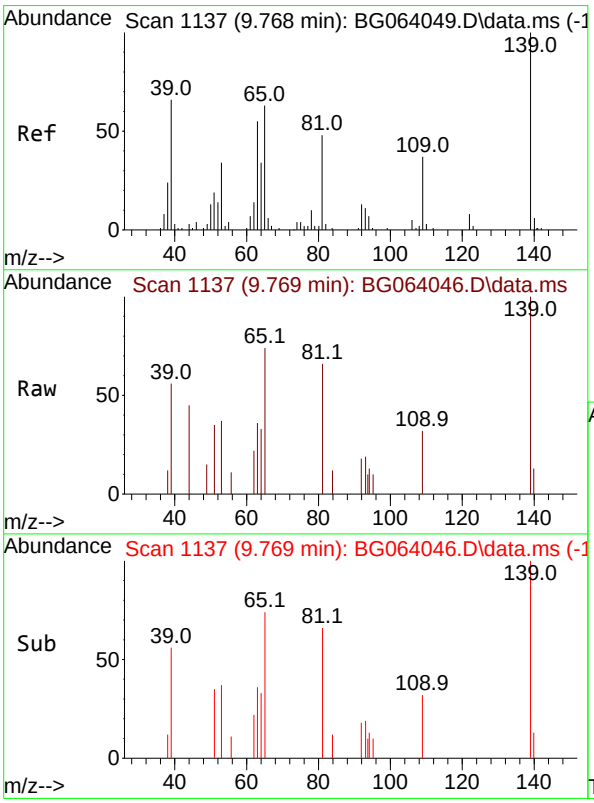
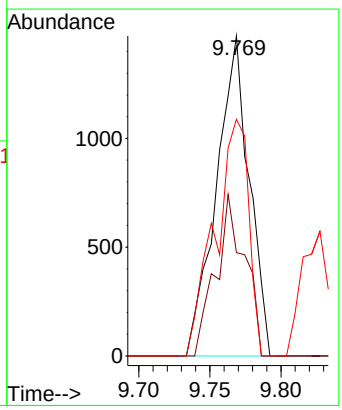


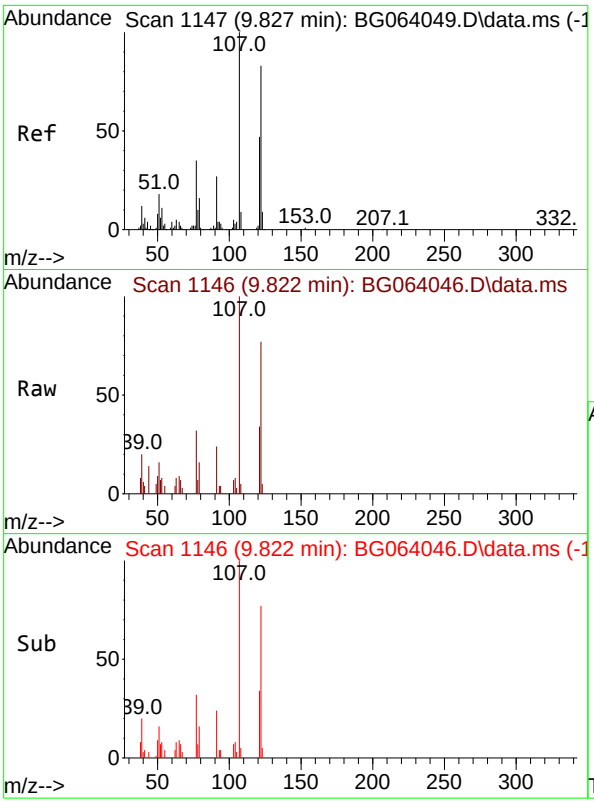


#26
2-Nitrophenol
Concen: 6.094 ng
RT: 9.769 min Scan# 1137
Delta R.T. 0.001 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:139 Resp: 2362

Ion	Ratio	Lower	Upper
139	100		
109	32.3	29.9	44.9
65	74.0	50.6	76.0





#27
2,4-Dimethylphenol
Concen: 4.466 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:122 Resp: 688

Ion	Ratio	Lower	Upper
122	100		
107	130.3	95.4	143.0
121	43.7	44.9	67.3#

Instrument :
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ClientSampleId :
SSTDICC005

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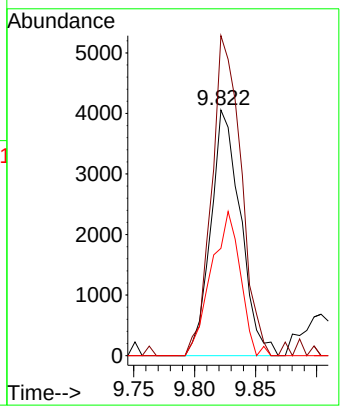
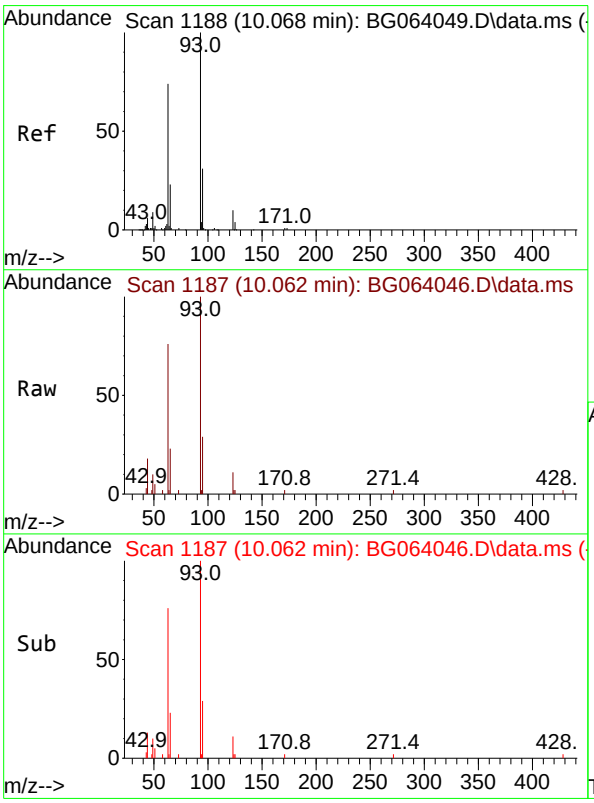
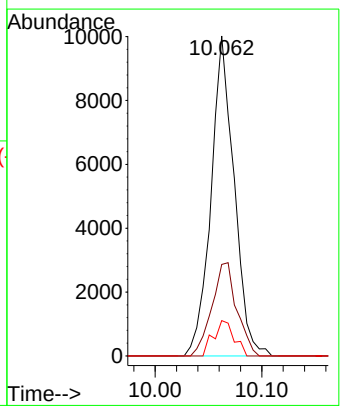


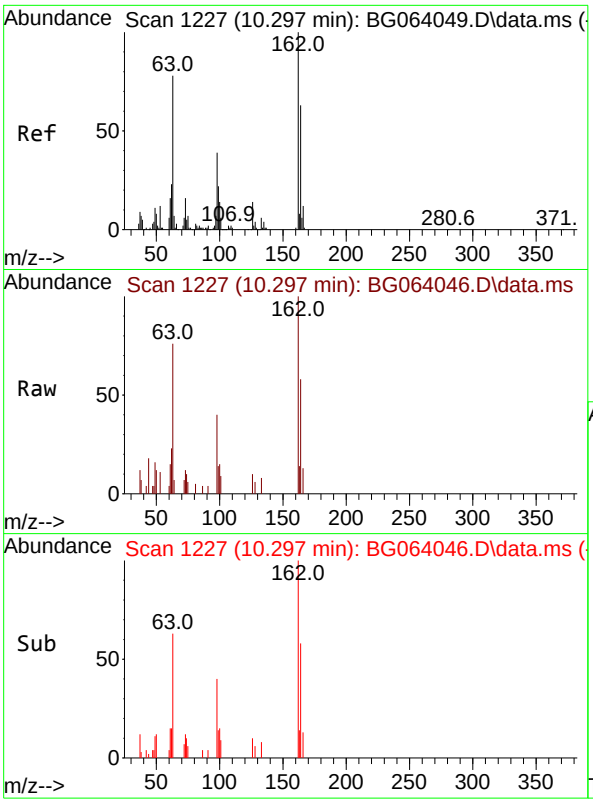


#28
bis(2-Chloroethoxy)methane
Concen: 4.832 ng
RT: 10.062 min Scan# 1187
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion: 93 Resp: 15067

Ion	Ratio	Lower	Upper
93	100		
95	28.6	25.0	37.4
123	11.1	7.6	11.4

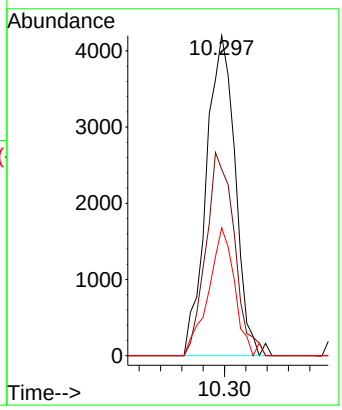




#29
2,4-Dichlorophenol
Concen: 4.056 ng
RT: 10.297 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:162 Resp: 789

Ion	Ratio	Lower	Upper
162	100		
164	58.2	42.8	82.8
98	40.0	19.1	59.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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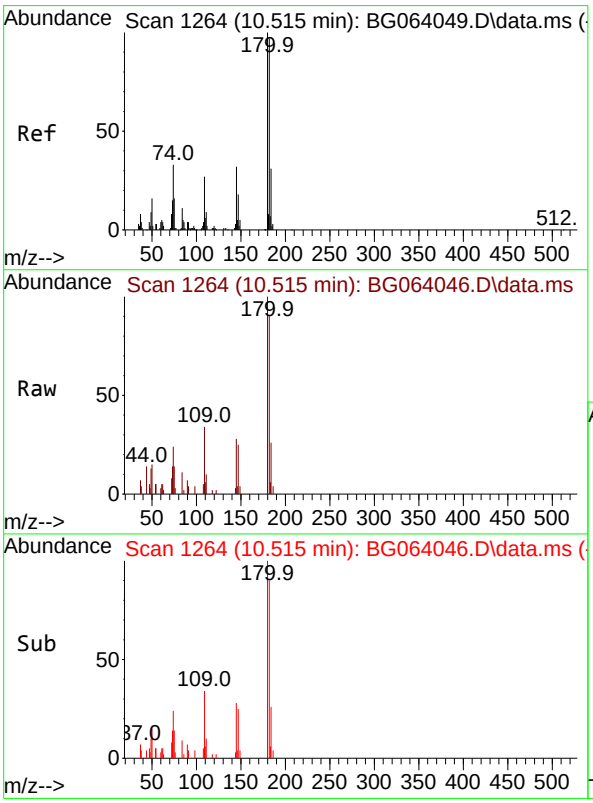
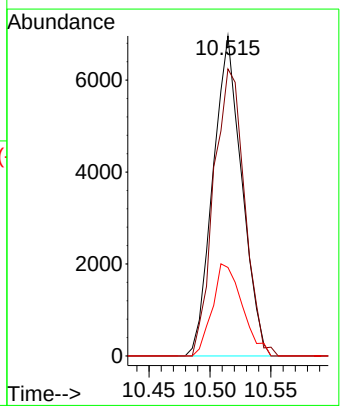
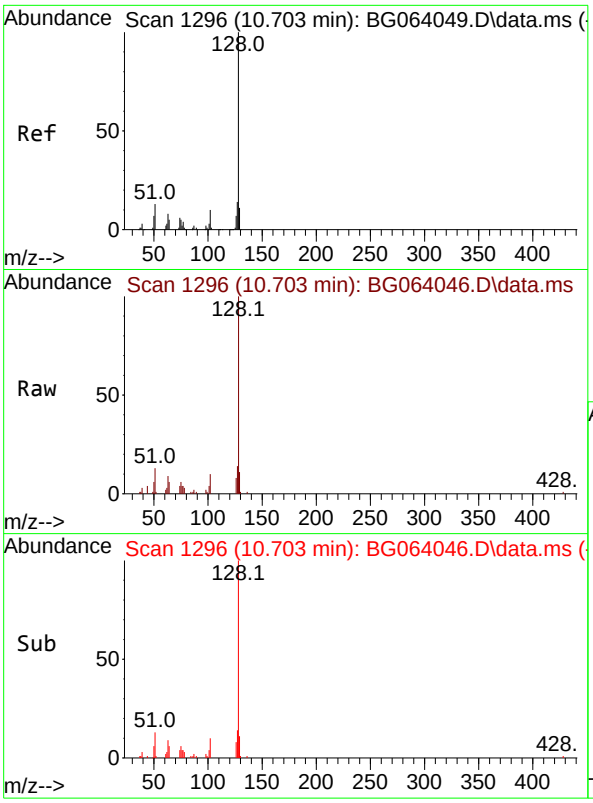


#30
1,2,4-Trichlorobenzene
Concen: 4.884 ng
RT: 10.515 min Scan# 1264
Delta R.T. 0.000 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:180 Resp: 11480

Ion	Ratio	Lower	Upper
180	100		
182	89.7	77.3	115.9
145	27.7	25.2	37.8

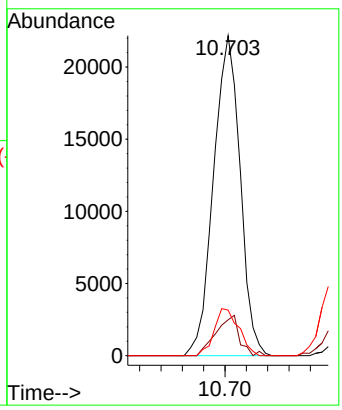




#31
Naphthalene
Concen: 4.999 ng
RT: 10.703 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:128 Resp: 3828

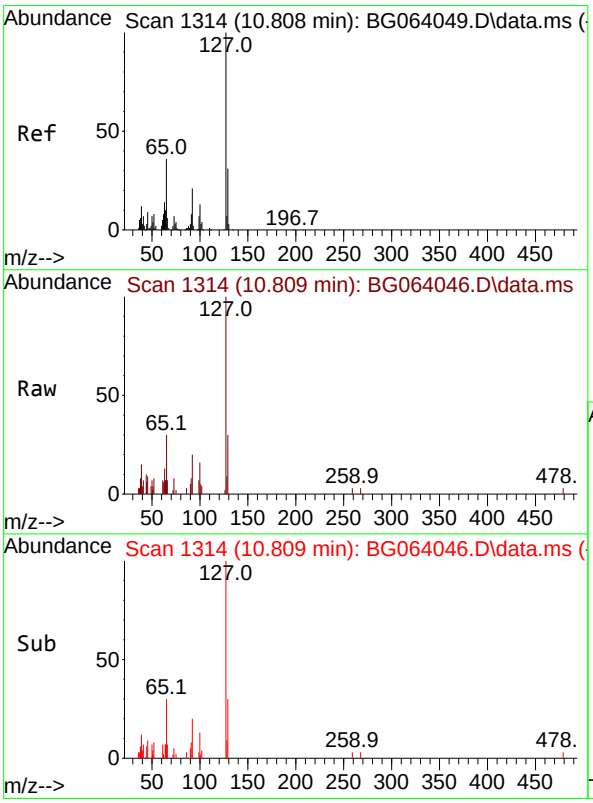
Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.4	12.6
127	14.3	11.1	16.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

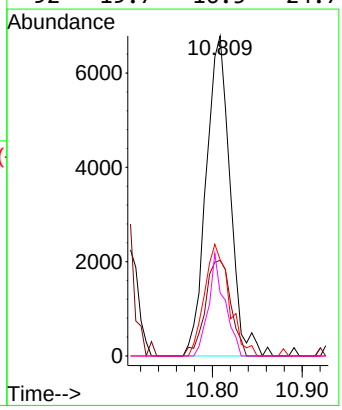
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

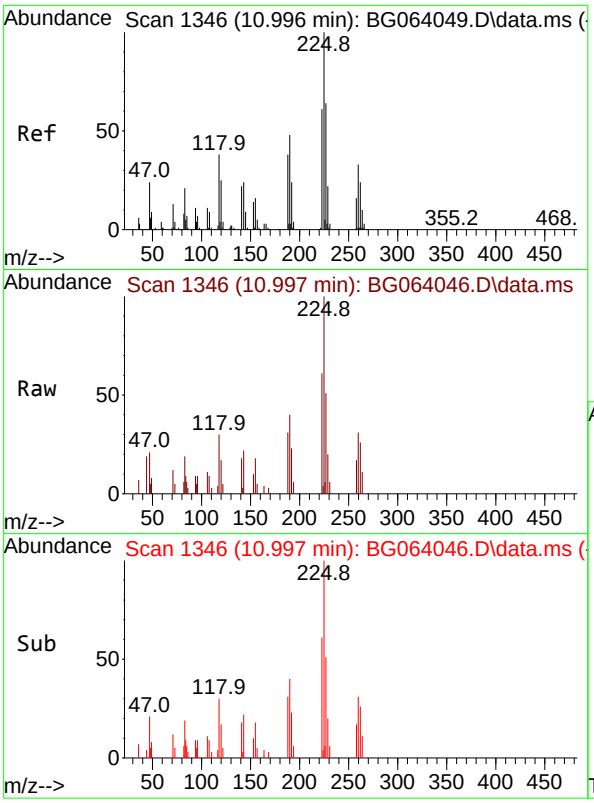


#33
4-Chloroaniline
Concen: 4.499 ng
RT: 10.809 min Scan# 1314
Delta R.T. 0.000 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:127 Resp: 12591

Ion	Ratio	Lower	Upper
127	100		
129	29.8	25.0	37.4
65	30.1	28.5	42.7
92	19.7	16.5	24.7

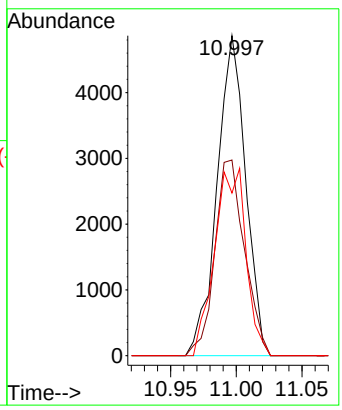




#34
Hexachlorobutadiene
Concen: 4.786 ng
RT: 10.997 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:225 Resp: 737

Ion	Ratio	Lower	Upper
225	100		
223	61.2	48.5	72.7
227	50.8	51.0	76.6#



Instrument :
BNA_G
ClientSampleId :
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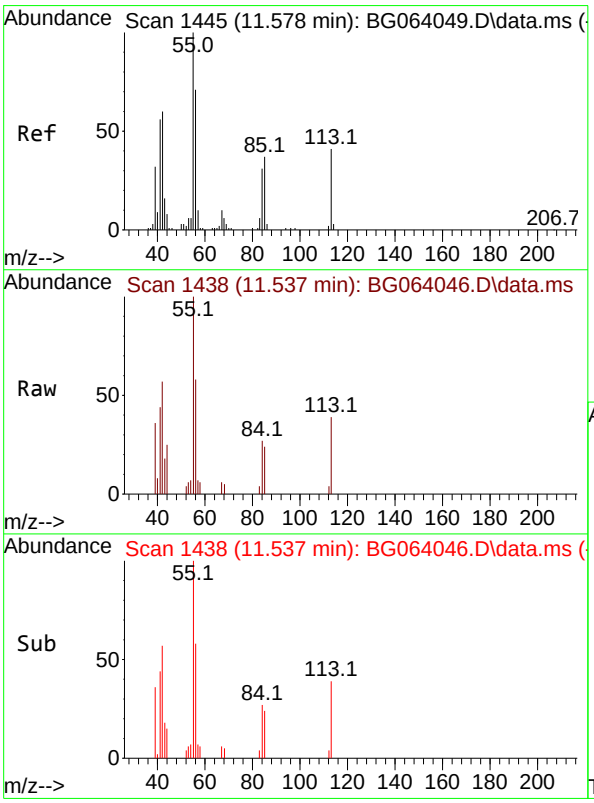
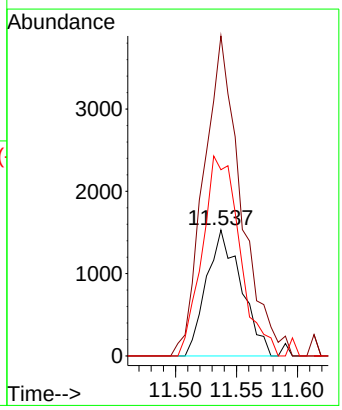
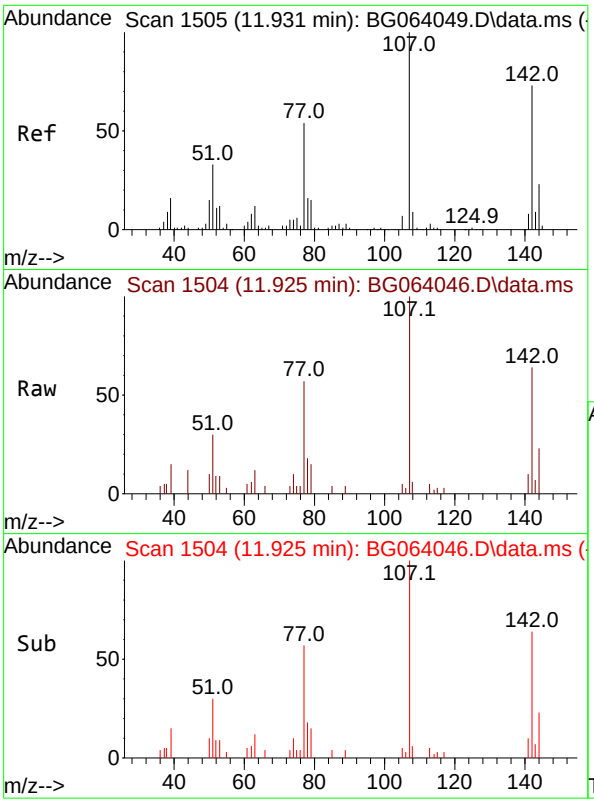


#35
Caprolactam
Concen: 4.090 ng
RT: 11.537 min Scan# 1438
Delta R.T. -0.041 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:113 Resp: 3052

Ion	Ratio	Lower	Upper
113	100		
55	254.1	225.2	265.2
56	147.8	153.4	193.4#

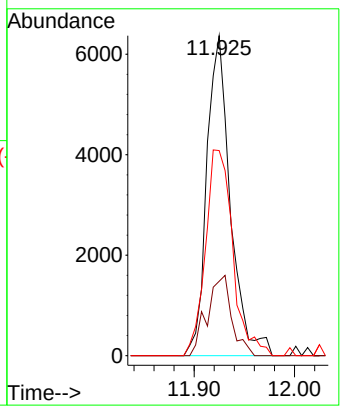




#36
4-Chloro-3-methylphenol
Concen: 4.078 ng
RT: 11.925 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:107 Resp: 1040

Ion	Ratio	Lower	Upper
107	100		
144	23.2	18.6	28.0
142	64.1	58.0	87.0



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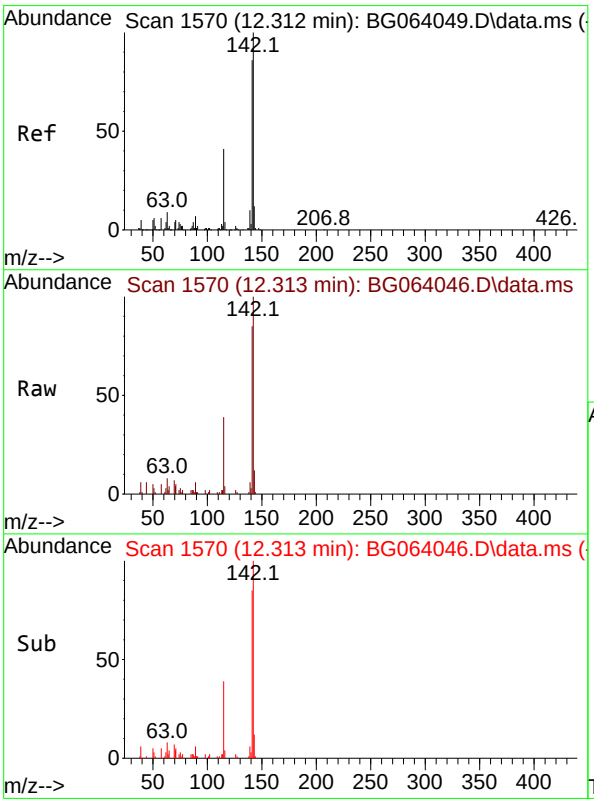
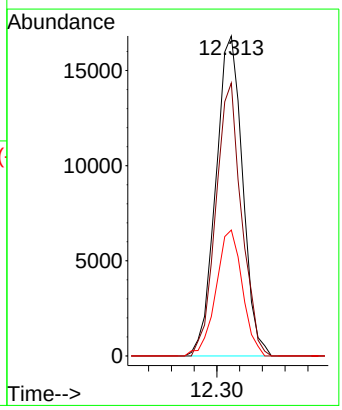
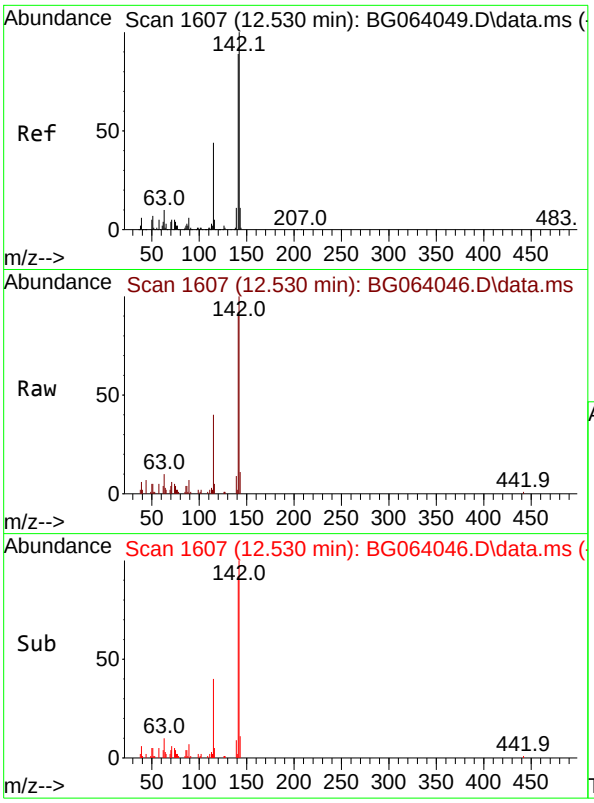


#37
2-Methylnaphthalene
Concen: 5.093 ng
RT: 12.313 min Scan# 1570
Delta R.T. 0.000 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:142 Resp: 27533

Ion	Ratio	Lower	Upper
142	100		
141	85.3	68.6	103.0
115	39.4	32.8	49.2

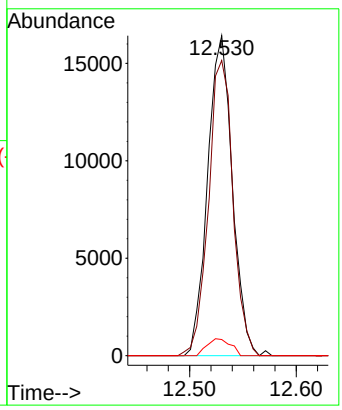




#38
1-Methylnaphthalene
Concen: 4.995 ng
RT: 12.530 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:142 Resp: 2645

Ion	Ratio	Lower	Upper
142	100		
141	92.2	71.2	106.8
116	5.0	3.6	5.4



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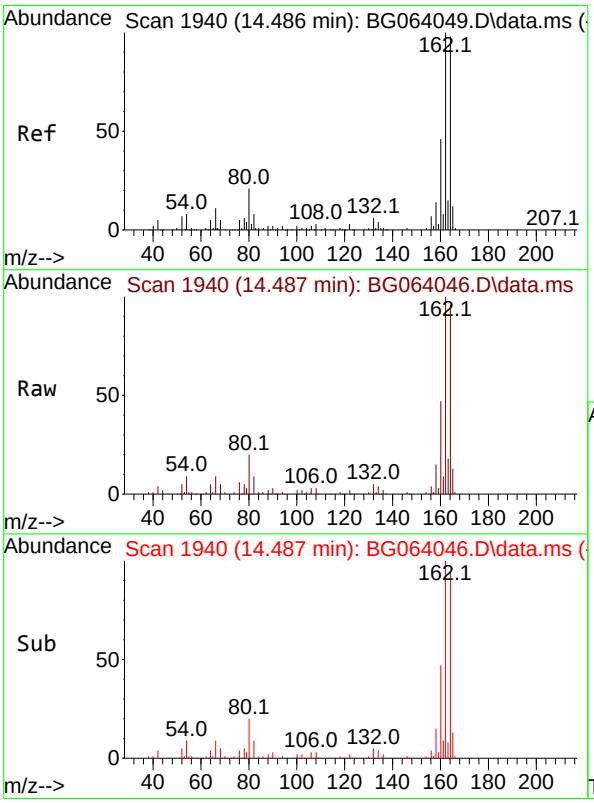
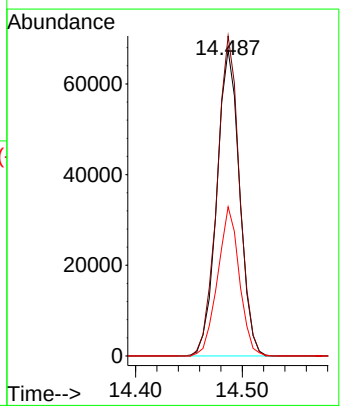
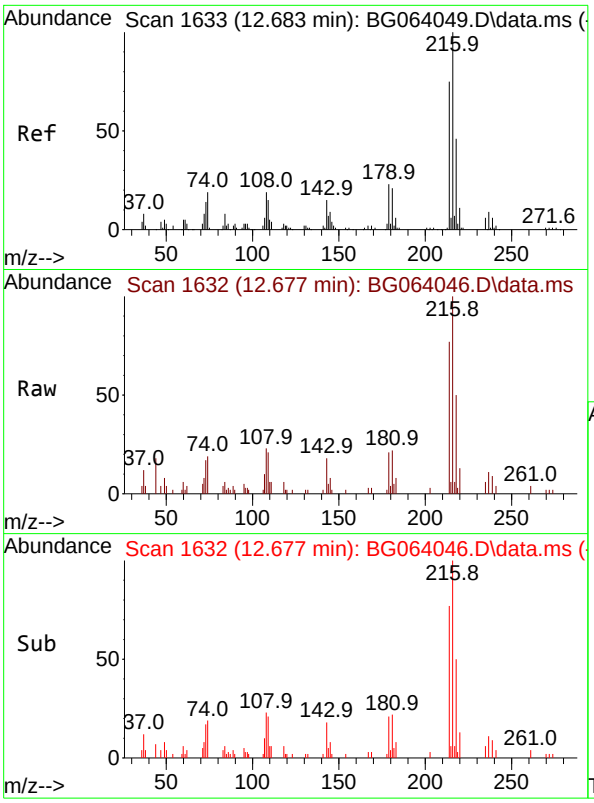


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.487 min Scan# 1940
Delta R.T. 0.001 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:164 Resp: 99722

Ion	Ratio	Lower	Upper
164	100		
162	104.5	81.4	122.0
160	48.7	37.0	55.6

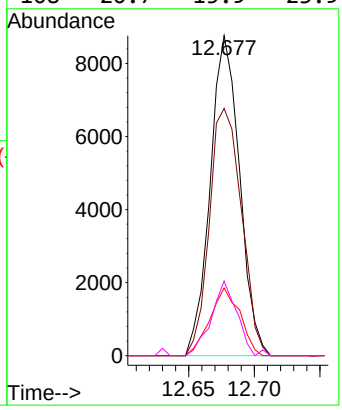




#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.789 ng
RT: 12.677 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:216 Resp: 1363

Ion	Ratio	Lower	Upper
216	100		
214	84.2	61.7	92.5
179	21.6	17.9	26.9
108	20.7	15.9	23.9



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ClientSampleId :
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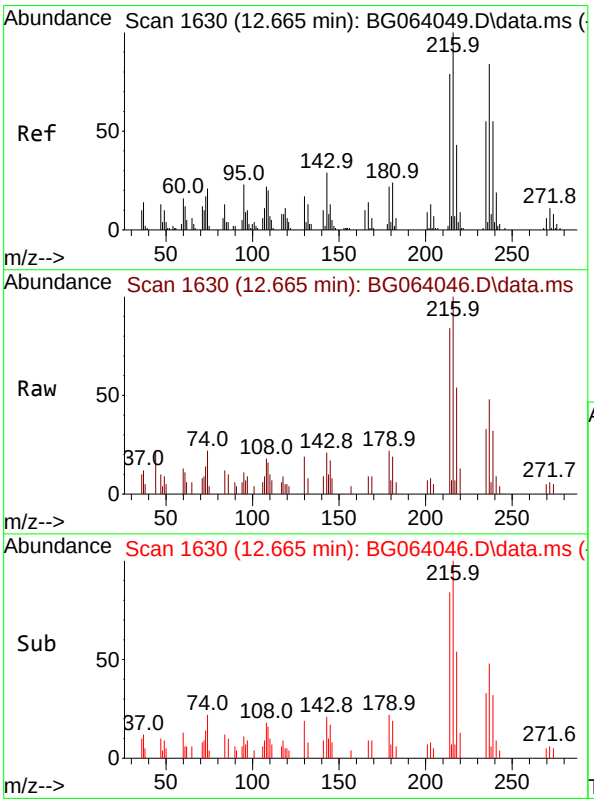
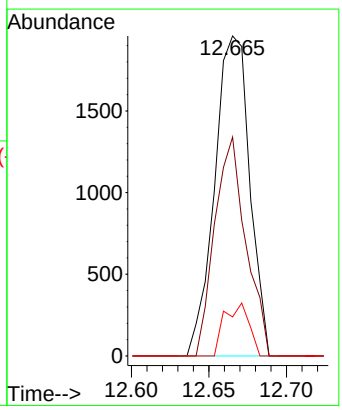
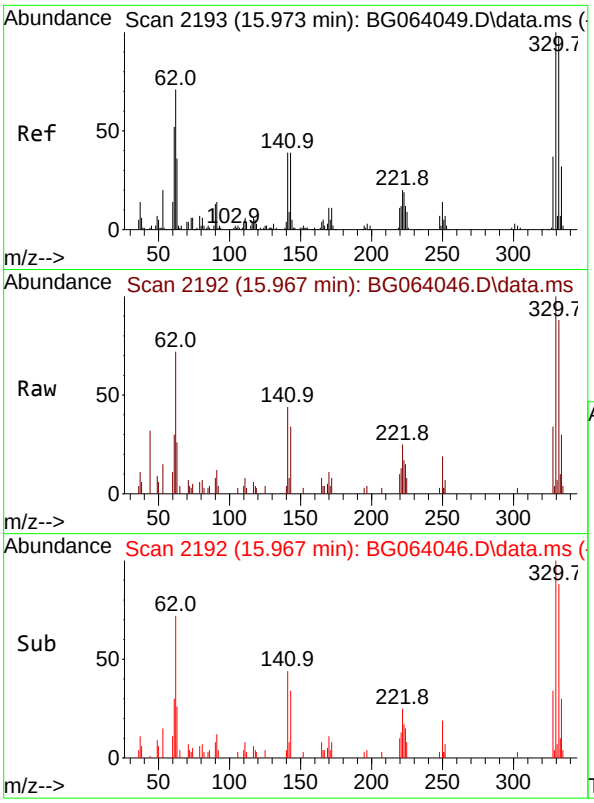


#41
Hexachlorocyclopentadiene
Concen: 3.841 ng
RT: 12.665 min Scan# 1630
Delta R.T. 0.000 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:237 Resp: 3078

Ion	Ratio	Lower	Upper
237	100		
235	68.4	46.0	86.0
272	12.2	0.0	32.8

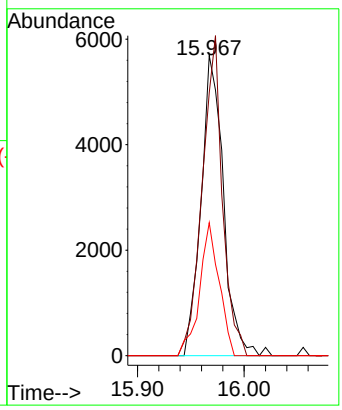




#42
2,4,6-Tribromophenol
Concen: 7.487 ng
RT: 15.967 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:330 Resp: 829

Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.7	115.1
141	38.7	29.7	44.5



Instrument :
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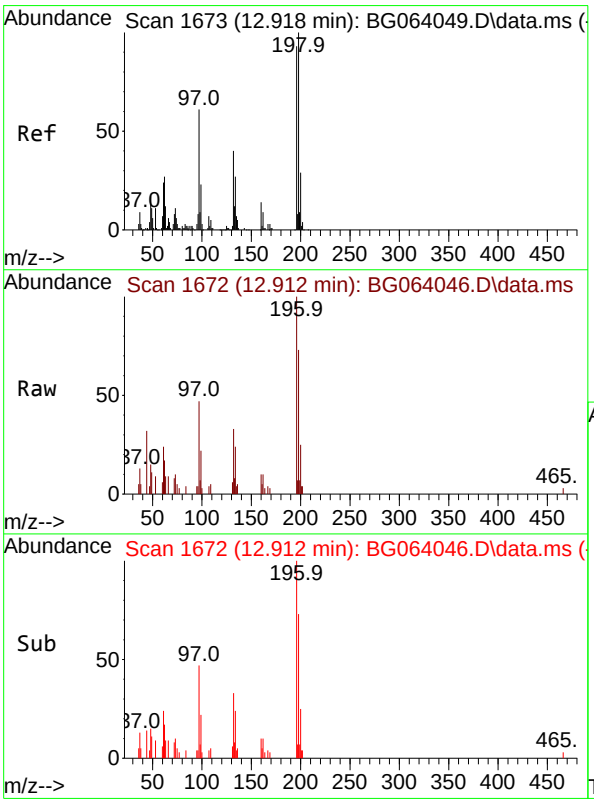
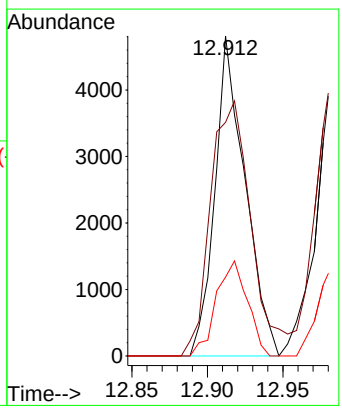
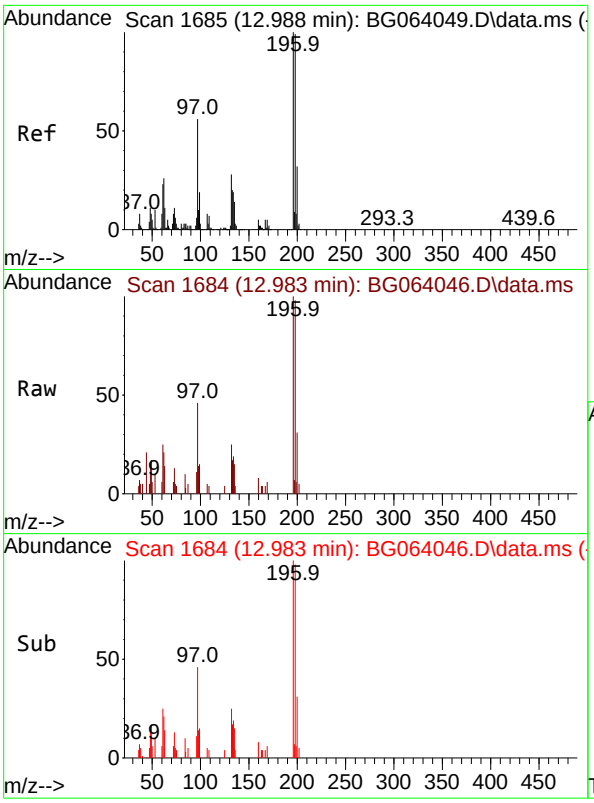


#43
2,4,6-Trichlorophenol
Concen: 3.983 ng m
RT: 12.912 min Scan# 1672
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:196 Resp: 6684

Ion	Ratio	Lower	Upper
196	100		
198	73.0	85.6	128.4#
200	24.6	24.6	37.0

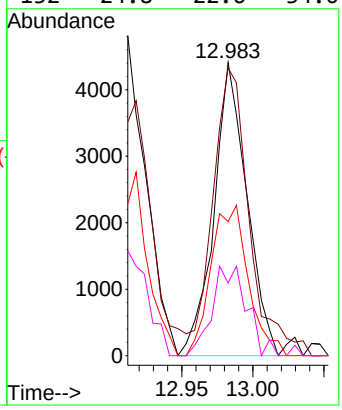




#44
2,4,5-Trichlorophenol
Concen: 3.804 ng
RT: 12.983 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:196 Resp: 709

Ion	Ratio	Lower	Upper
196	100		
198	98.2	79.5	119.3
97	45.7	45.2	67.8
132	24.8	22.6	34.0



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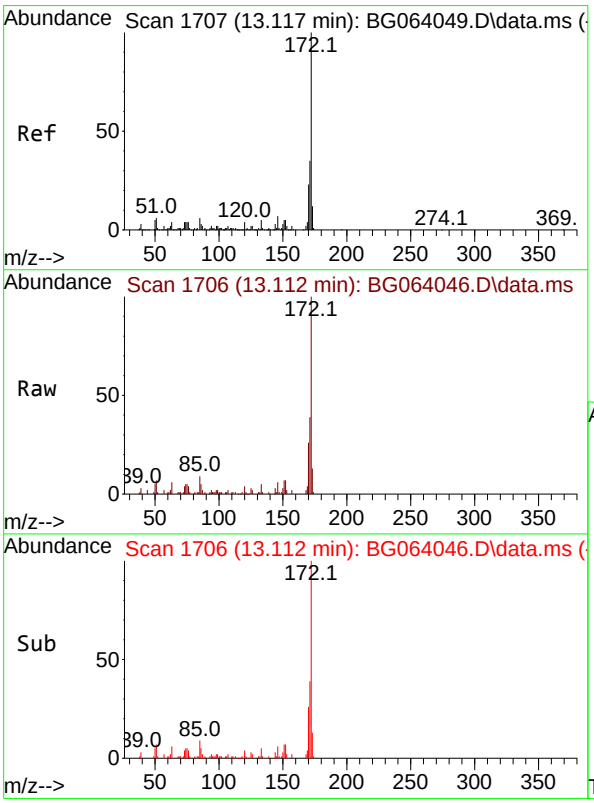
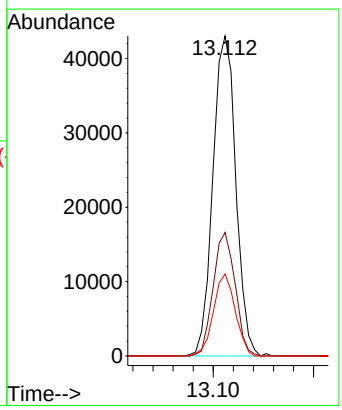
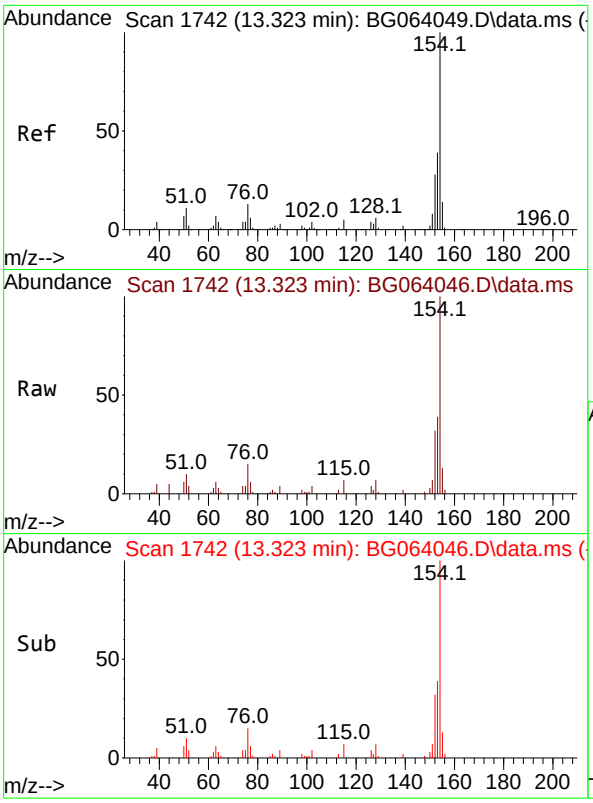


#45
2-Fluorobiphenyl
Concen: 10.386 ng
RT: 13.112 min Scan# 1706
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:172 Resp: 68235

Ion	Ratio	Lower	Upper
172	100		
171	38.6	28.0	42.0
170	25.7	18.7	28.1

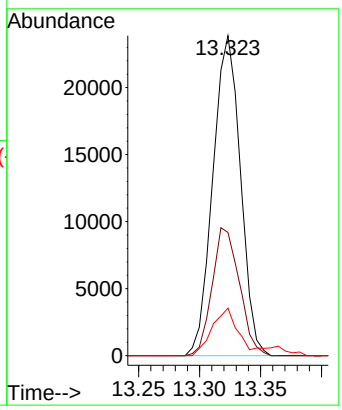




#46
1,1'-Biphenyl
Concen: 4.984 ng
RT: 13.323 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:154 Resp: 3755

Ion	Ratio	Lower	Upper
154	100		
153	38.5	19.5	59.5
76	14.8	0.0	33.5



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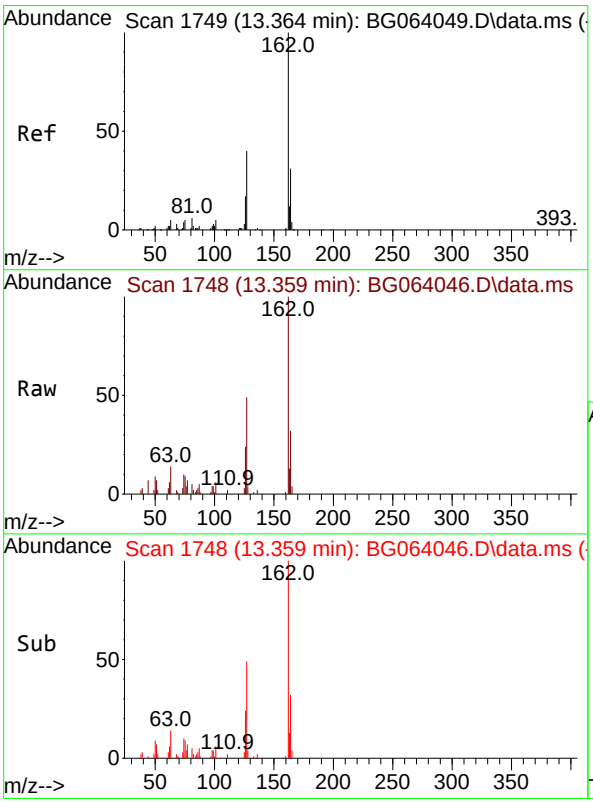
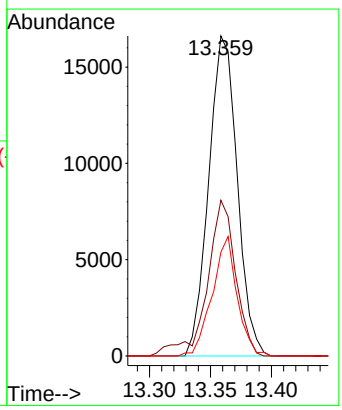
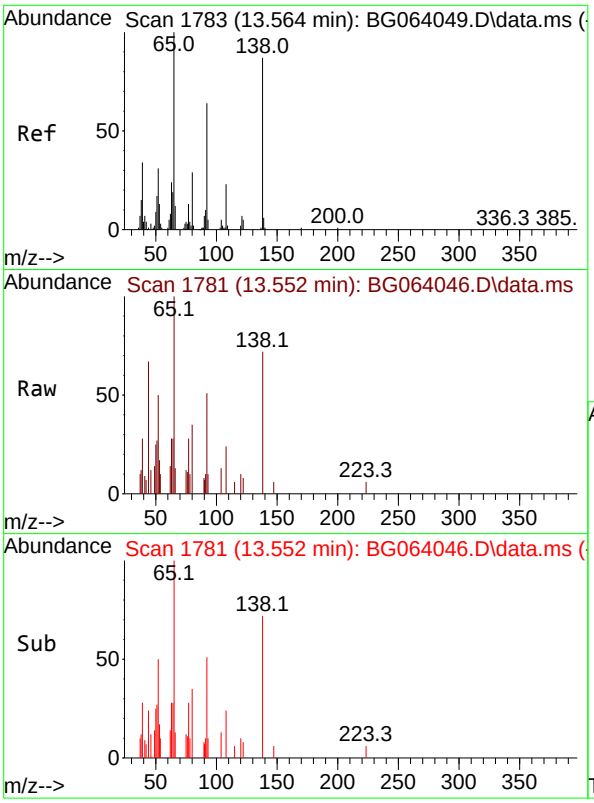


#47
2-Chloronaphthalene
Concen: 4.928 ng
RT: 13.359 min Scan# 1748
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:162 Resp: 27076

Ion	Ratio	Lower	Upper
162	100		
127	48.7	35.0	52.4
164	32.4	25.0	37.6

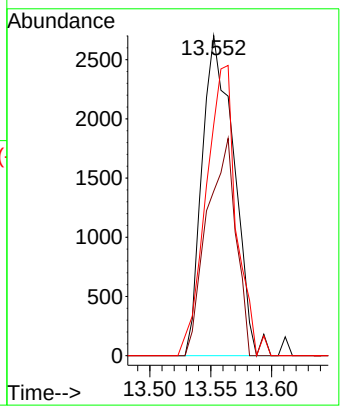




#48
2-Nitroaniline
Concen: 6.075 ng
RT: 13.552 min Scan# 1
Delta R.T. -0.012 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion: 65 Resp: 490

Ion	Ratio	Lower	Upper
65	100		
92	51.4	51.2	76.8
138	72.2	69.4	104.2



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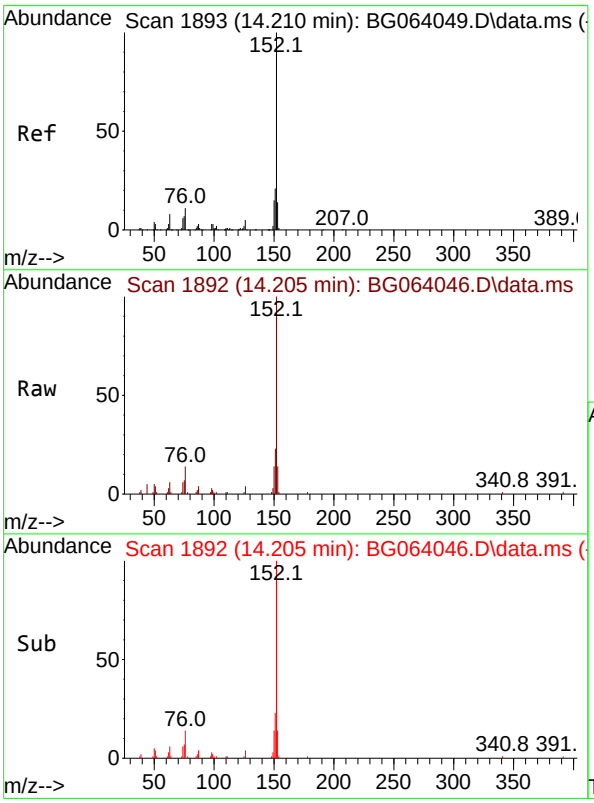
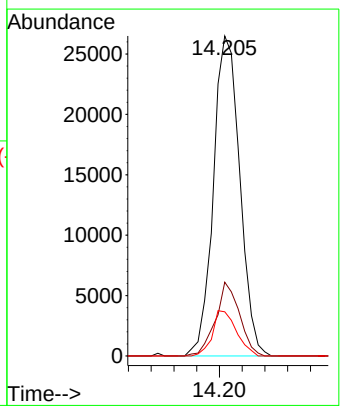
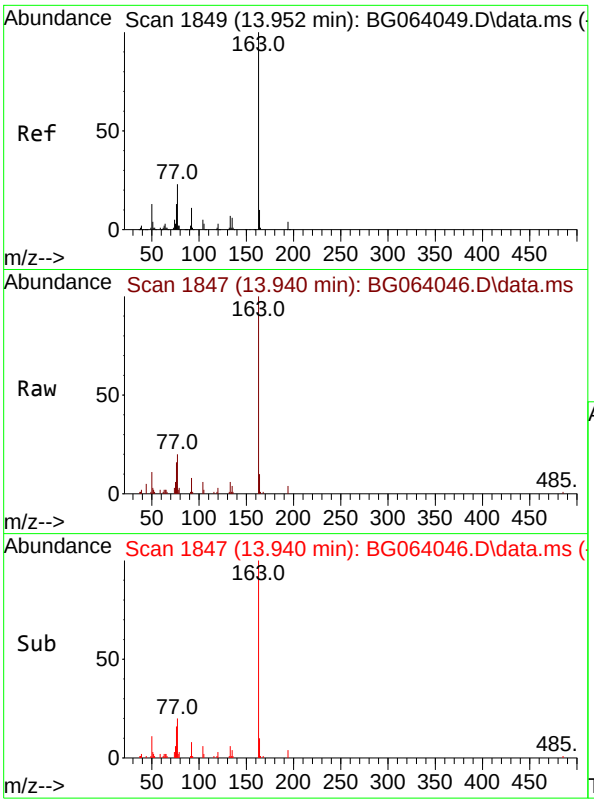


#49
Acenaphthylene
Concen: 4.917 ng
RT: 14.205 min Scan# 1892
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:152 Resp: 42736

Ion	Ratio	Lower	Upper
152	100		
151	23.1	16.4	24.6
153	13.8	10.9	16.3





#50
Dimethylphthalate
Concen: 4.849 ng
RT: 13.940 min Scan# 1
Delta R.T. -0.011 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:163 Resp: 3569

Ion	Ratio	Lower	Upper
163	100		
194	4.1	2.8	4.2
164	10.2	8.2	12.2

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ClientSampleId :
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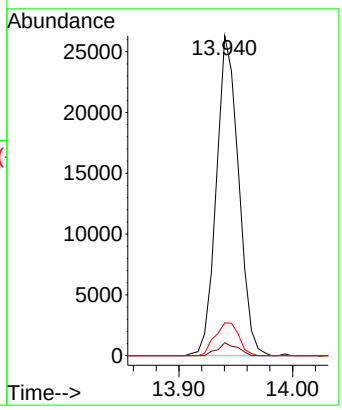
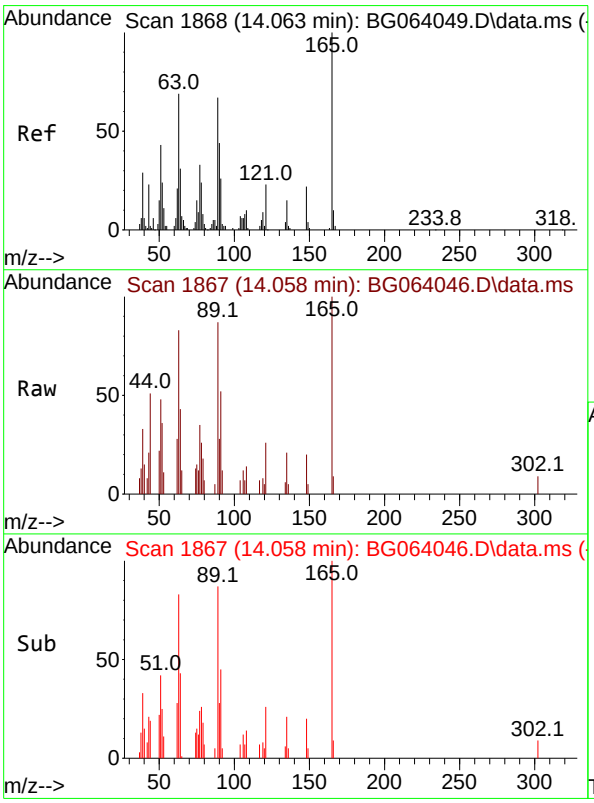
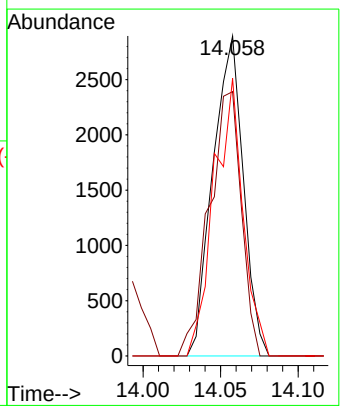


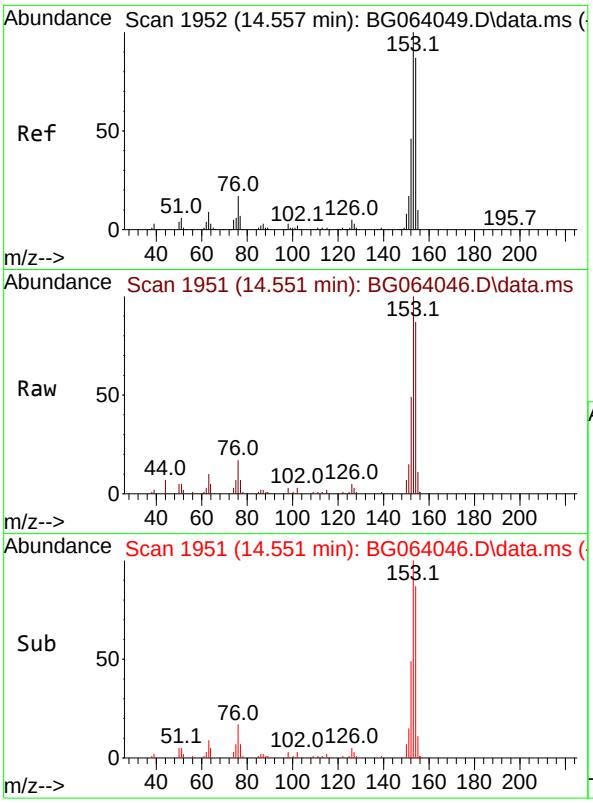


#51
2,6-Dinitrotoluene
Concen: 5.812 ng
RT: 14.058 min Scan# 1867
Delta R.T. -0.005 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:165 Resp: 3942

Ion	Ratio	Lower	Upper
165	100		
63	82.6	56.7	85.1
89	86.8	53.7	80.5#

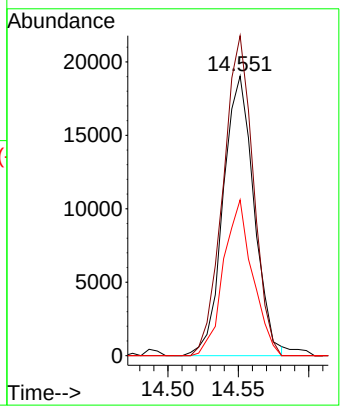




#52
Acenaphthene
Concen: 4.969 ng m
RT: 14.551 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:154 Resp: 2904

Ion	Ratio	Lower	Upper
154	100		
153	114.4	91.6	137.4
152	55.7	42.5	63.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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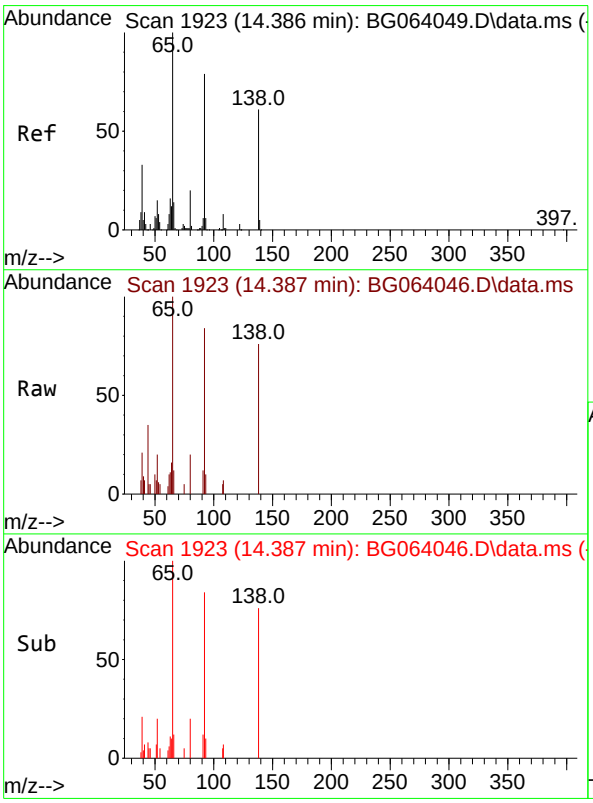
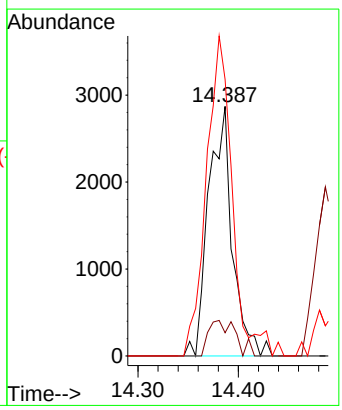
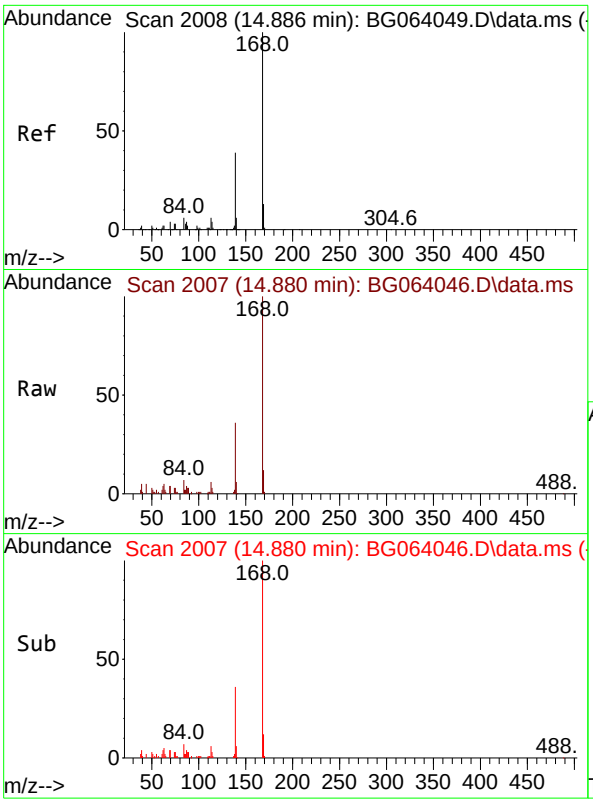


#53
3-Nitroaniline
Concen: 3.329 ng
RT: 14.387 min Scan# 1923
Delta R.T. 0.000 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:138 Resp: 4736

Ion	Ratio	Lower	Upper
138	100		
108	9.3	10.1	15.1#
92	110.9	104.1	156.1

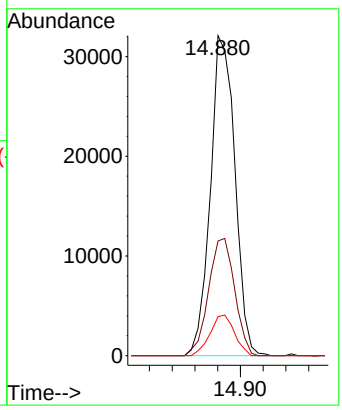




#55
Dibenzofuran
Concen: 5.080 ng
RT: 14.880 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:168 Resp: 4800

Ion	Ratio	Lower	Upper
168	100		
139	35.8	31.1	46.7
169	12.2	10.5	15.7



Instrument :
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ClientSampleId :
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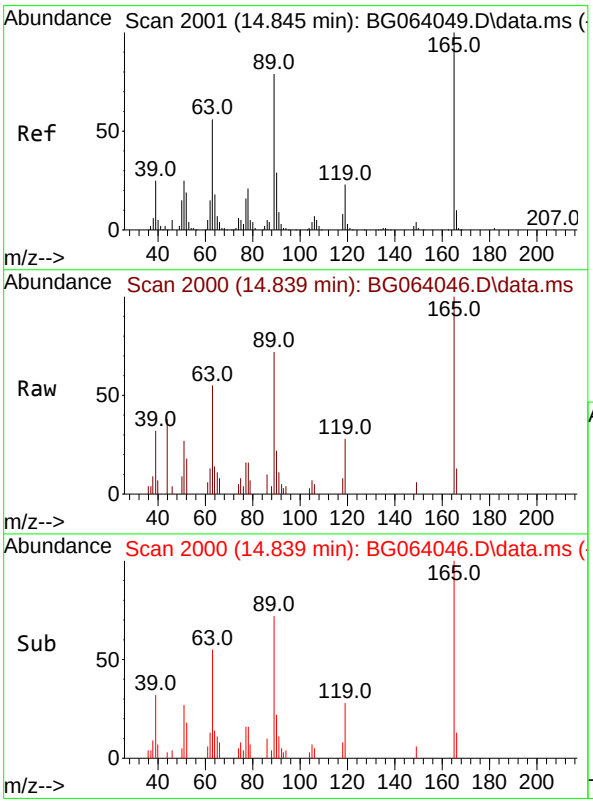
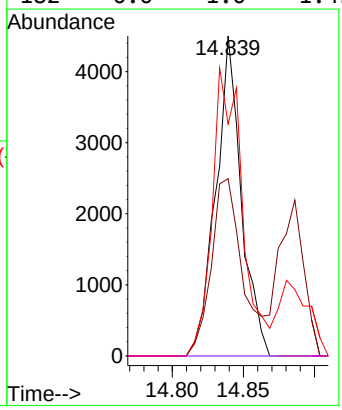
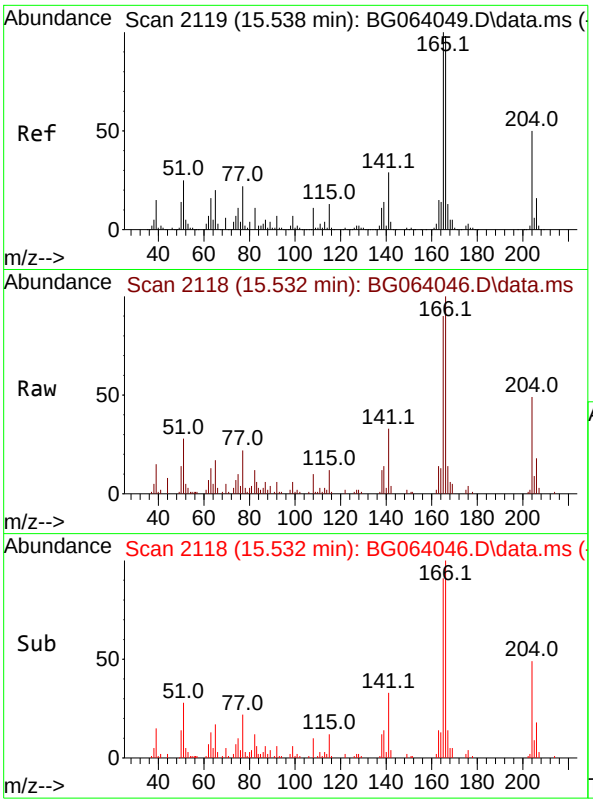


#57
2,4-Dinitrotoluene
Concen: 6.165 ng
RT: 14.839 min Scan# 2000
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:165 Resp: 5618

Ion	Ratio	Lower	Upper
165	100		
63	55.4	45.0	67.6
89	72.5	63.1	94.7
182	0.0	1.0	1.4#

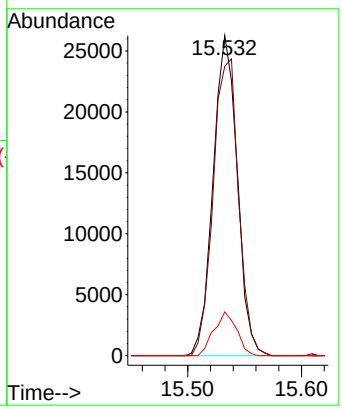




#58
Fluorene
Concen: 5.269 ng
RT: 15.532 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:166 Resp: 3877

Ion	Ratio	Lower	Upper
166	100		
165	90.4	81.8	122.8
167	13.7	10.8	16.2



Instrument :
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ClientSampleId :
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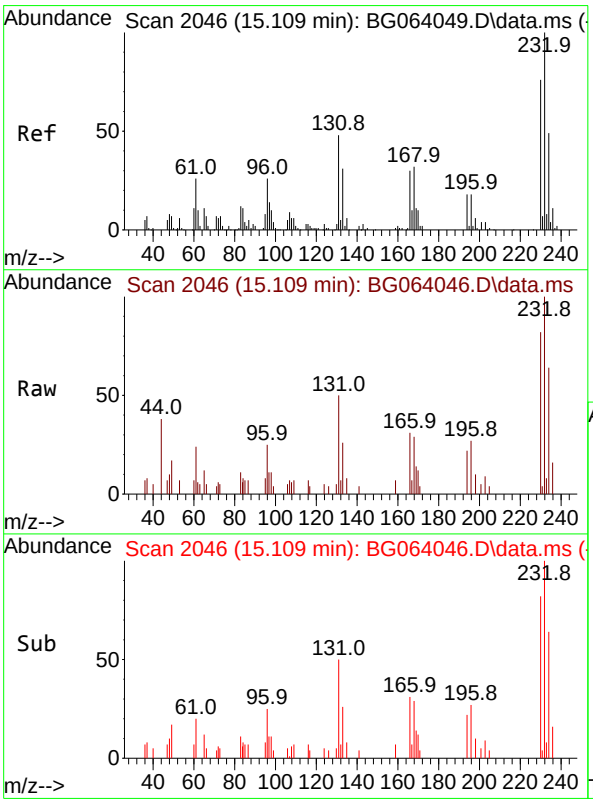
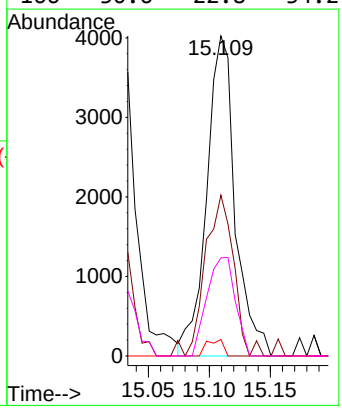
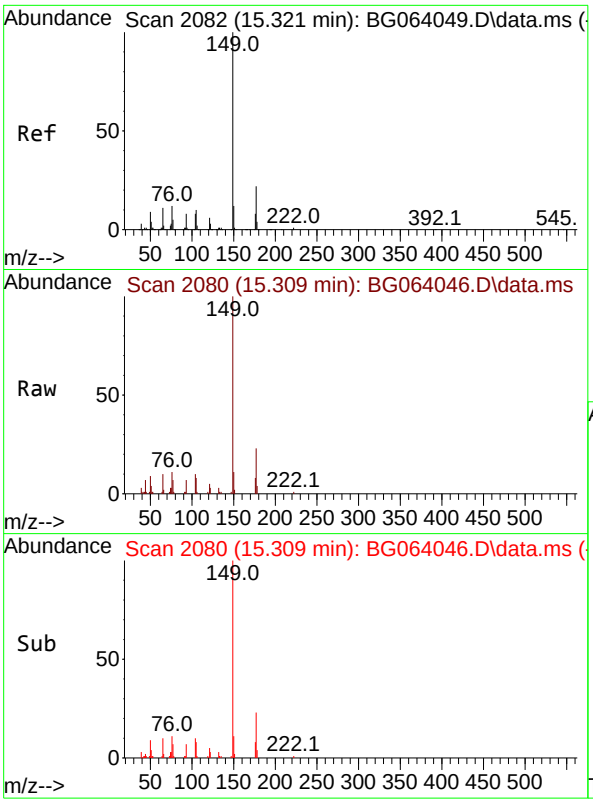


#59
2,3,4,6-Tetrachlorophenol
Concen: 3.597 ng
RT: 15.109 min Scan# 2046
Delta R.T. 0.000 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:232 Resp: 6538

Ion	Ratio	Lower	Upper
232	100		
131	50.2	36.3	54.5
130	3.0	1.9	2.9#
166	30.6	22.8	34.2

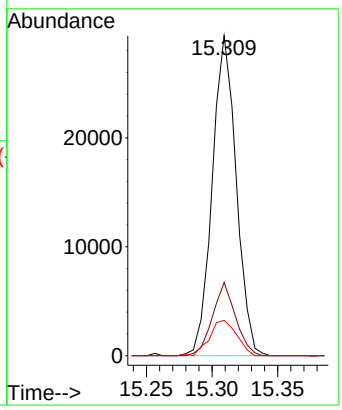




#60
Diethylphthalate
Concen: 4.666 ng
RT: 15.309 min Scan# 2
Delta R.T. -0.011 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:149 Resp: 3728

Ion	Ratio	Lower	Upper
149	100		
177	22.8	17.4	26.2
150	11.0	9.4	14.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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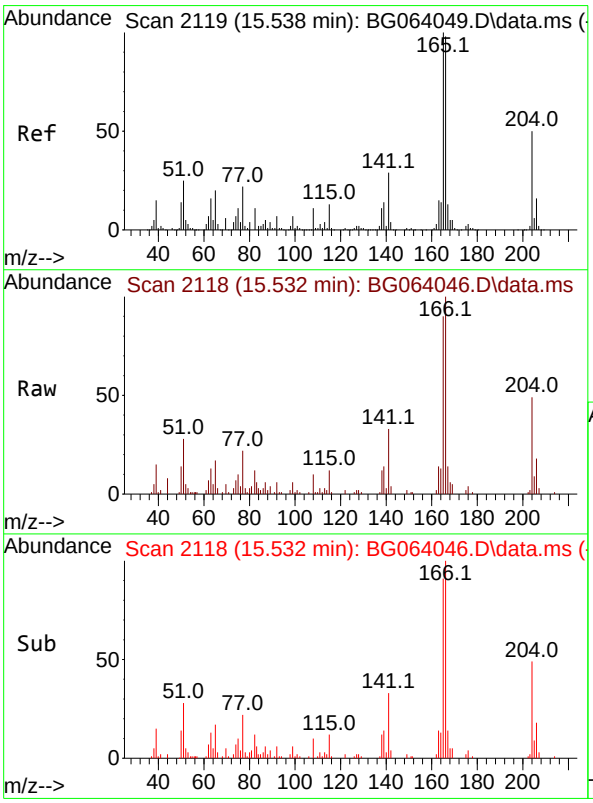
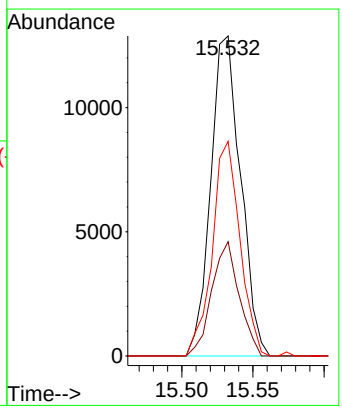
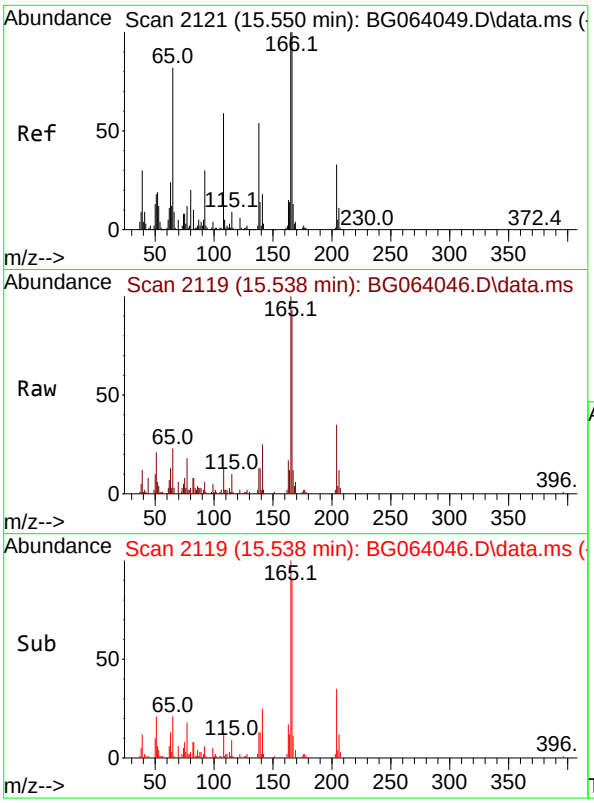


#61
4-Chlorophenyl-phenylether
Concen: 5.142 ng
RT: 15.532 min Scan# 2118
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:204 Resp: 18807

Ion	Ratio	Lower	Upper
204	100		
206	35.7	25.5	38.3
141	67.1	45.4	68.0

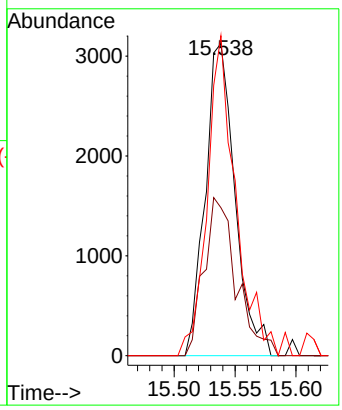




#62
4-Nitroaniline
Concen: 3.460 ng
RT: 15.538 min Scan# 21
Delta R.T. -0.011 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:138 Resp: 5314

Ion	Ratio	Lower	Upper
138	100		
92	47.4	36.1	76.1
108	102.5	87.9	127.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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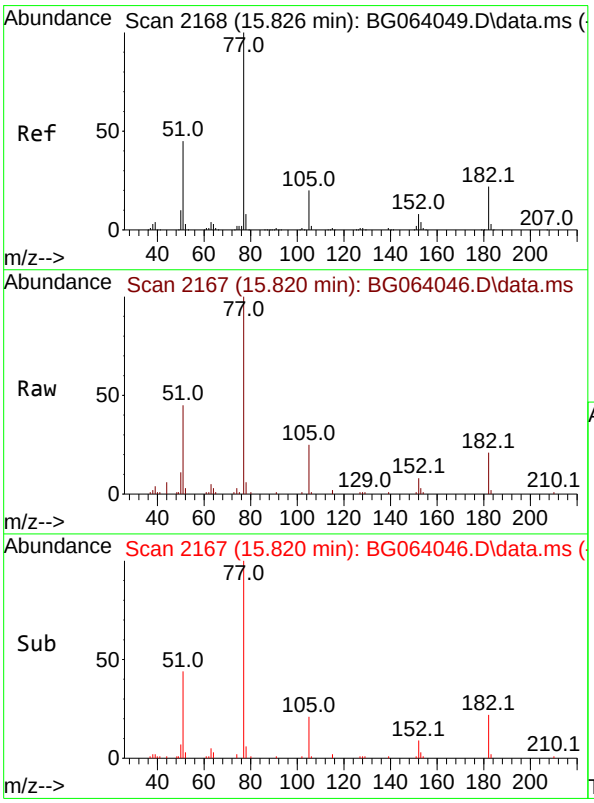
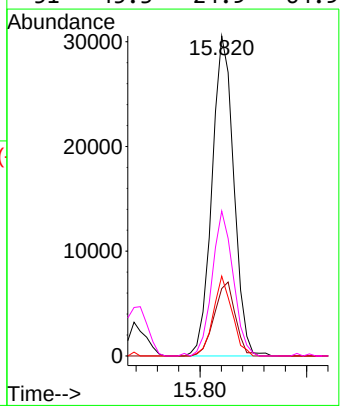
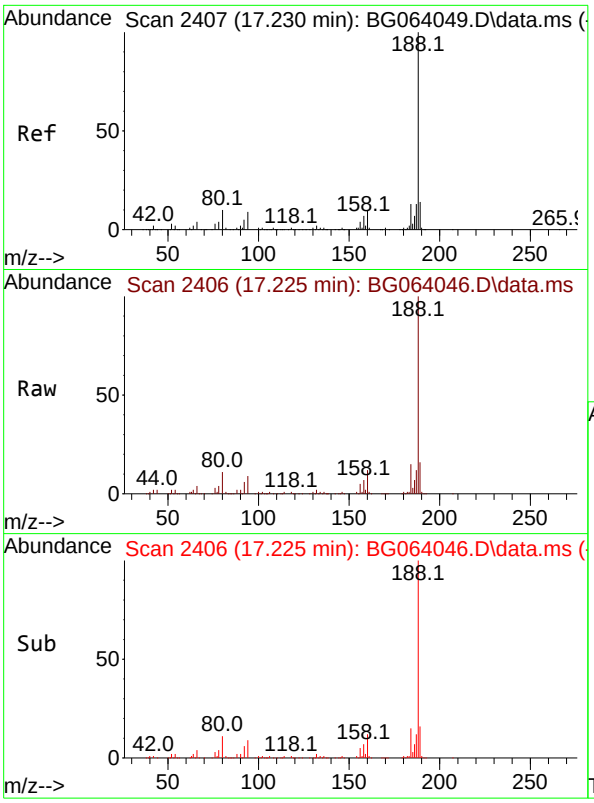


#63
Azobenzene
Concen: 5.070 ng
RT: 15.820 min Scan# 2167
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion: 77 Resp: 43236

Ion	Ratio	Lower	Upper
77	100		
182	21.1	2.4	42.4
105	25.0	0.0	40.0
51	45.3	24.9	64.9

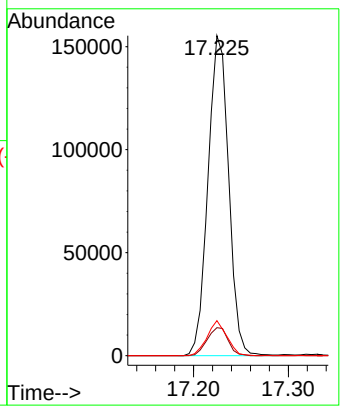




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.225 min Scan# 24
Delta R.T. -0.005 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:188 Resp: 23486

Ion	Ratio	Lower	Upper
188	100		
94	8.8	6.9	10.3
80	10.9	8.1	12.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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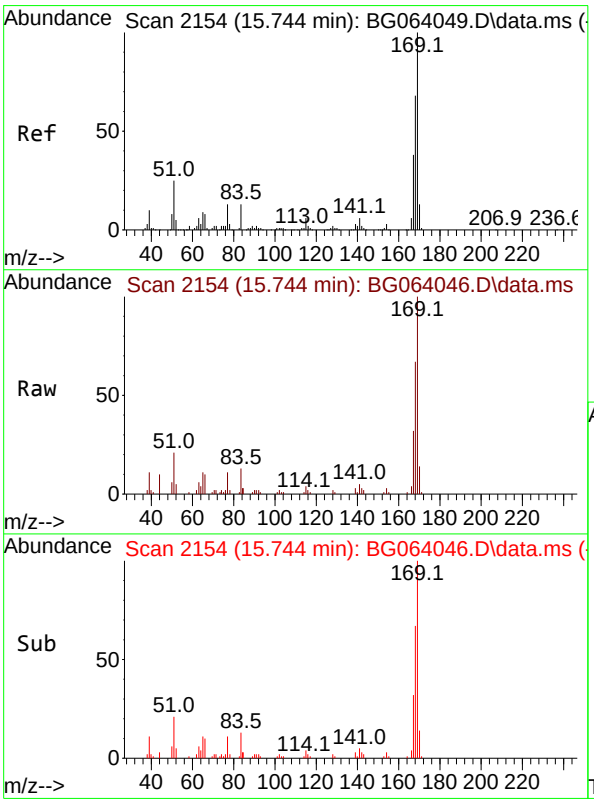
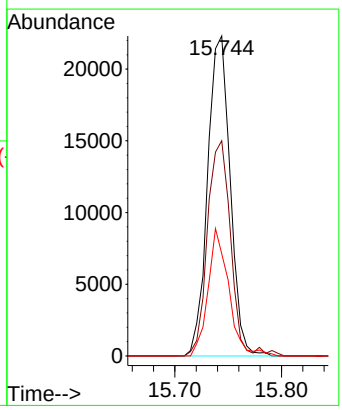
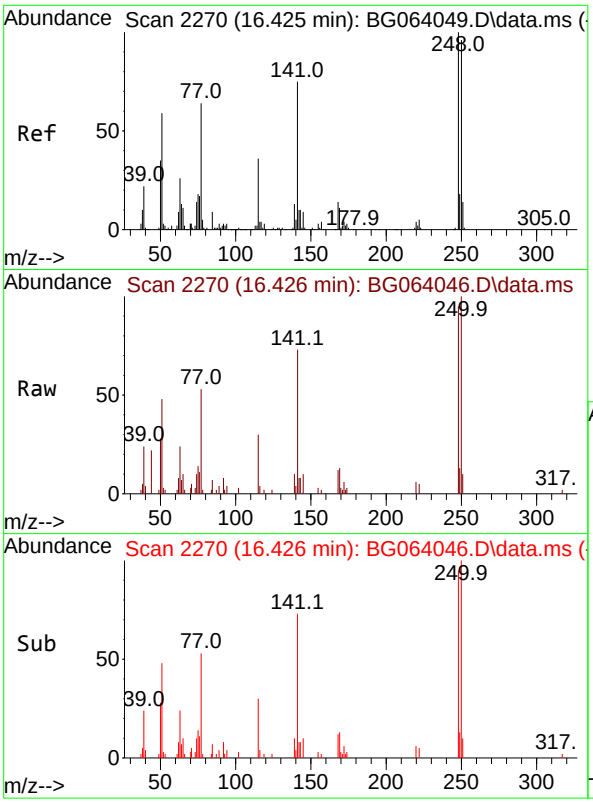


#66
n-Nitrosodiphenylamine
Concen: 4.927 ng
RT: 15.744 min Scan# 2154
Delta R.T. 0.000 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:169 Resp: 32754

Ion	Ratio	Lower	Upper
169	100		
168	67.3	54.1	81.1
167	32.0	30.3	45.5

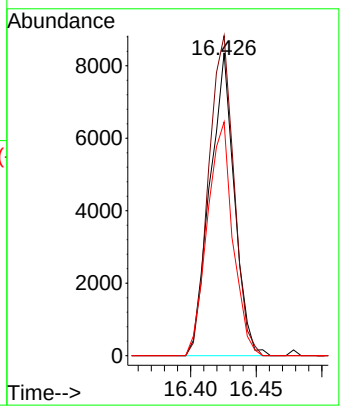




#67
4-Bromophenyl-phenylether
Concen: 4.531 ng
RT: 16.426 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:248 Resp: 1089

Ion	Ratio	Lower	Upper
248	100		
250	105.6	77.1	115.7
141	77.2	59.8	89.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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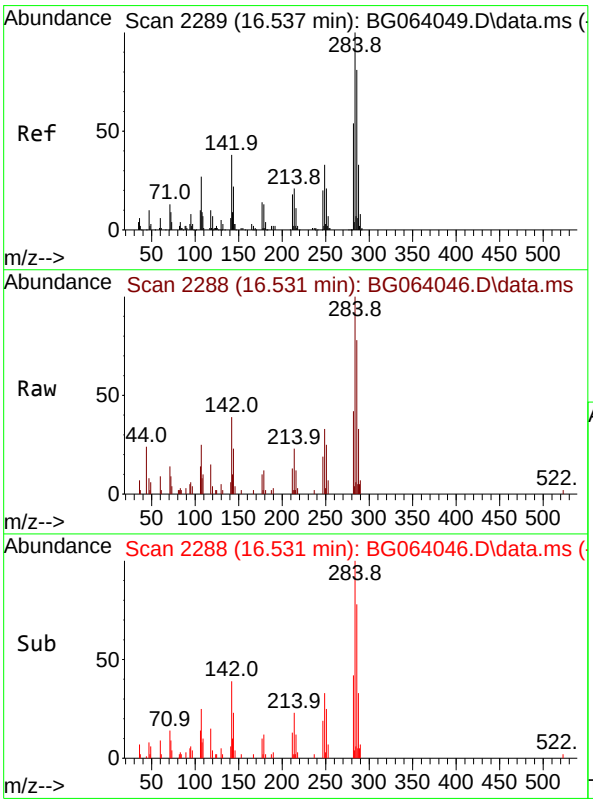
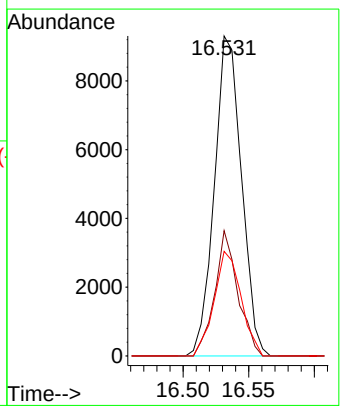
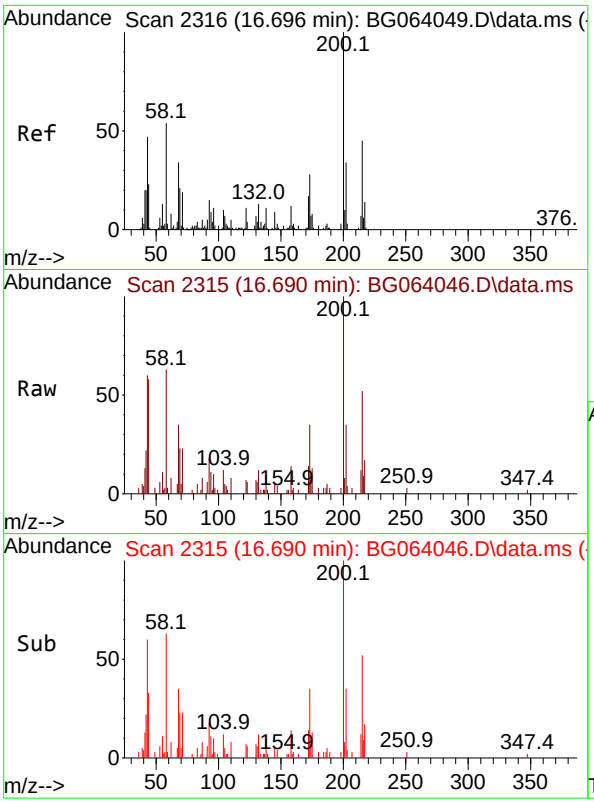


#68
Hexachlorobenzene
Concen: 4.958 ng
RT: 16.531 min Scan# 2288
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:284 Resp: 13351

Ion	Ratio	Lower	Upper
284	100		
142	39.1	30.6	45.8
249	32.7	26.6	39.8

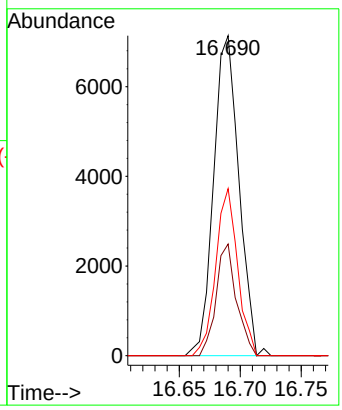




#69
Atrazine
Concen: 5.264 ng
RT: 16.690 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:200 Resp: 1029

Ion	Ratio	Lower	Upper
200	100		
173	34.9	8.2	48.2
215	52.2	25.5	65.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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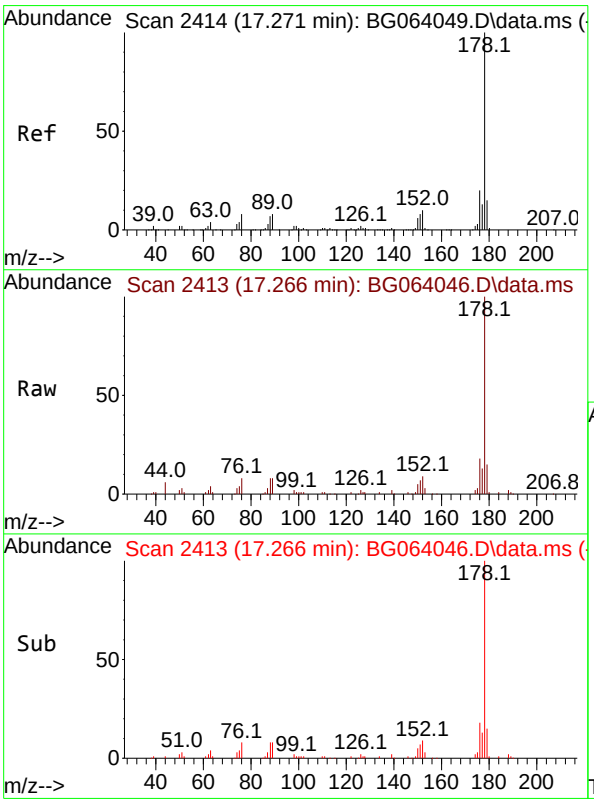
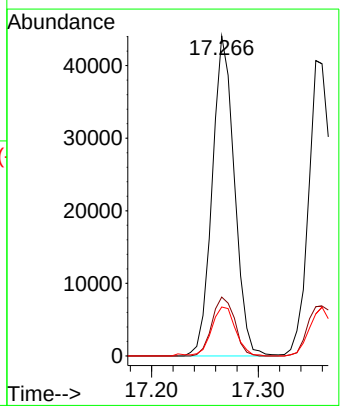
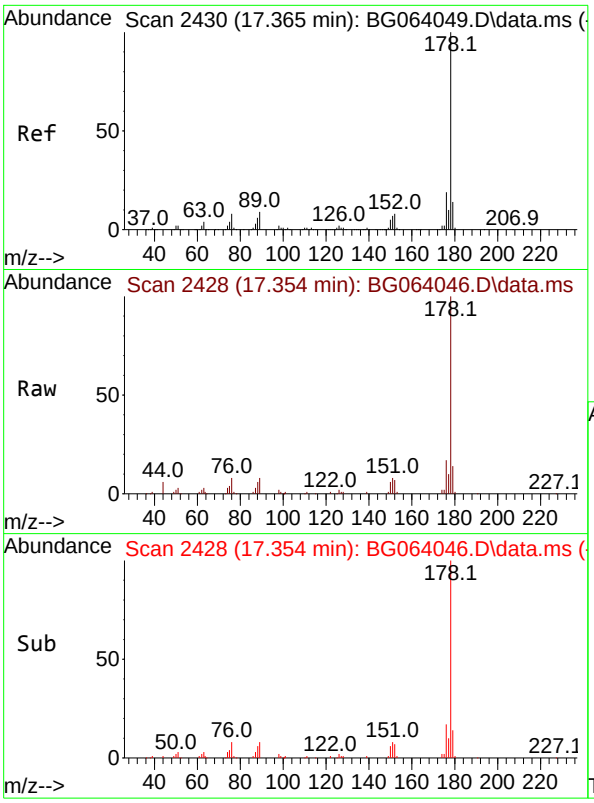


#71
Phenanthrene
Concen: 5.079 ng
RT: 17.266 min Scan# 2413
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:178 Resp: 63629

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.9	23.9
179	15.3	12.2	18.2

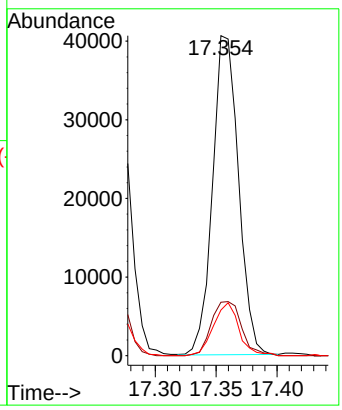




#72
Anthracene
Concen: 4.825 ng
RT: 17.354 min Scan# 24
Delta R.T. -0.011 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:178 Resp: 6010

Ion	Ratio	Lower	Upper
178	100		
176	16.7	14.8	22.2
179	14.2	11.5	17.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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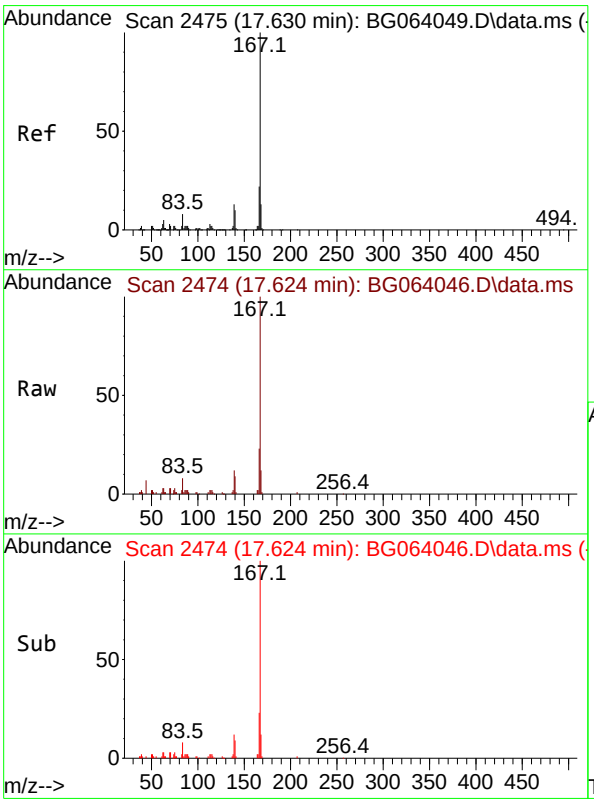
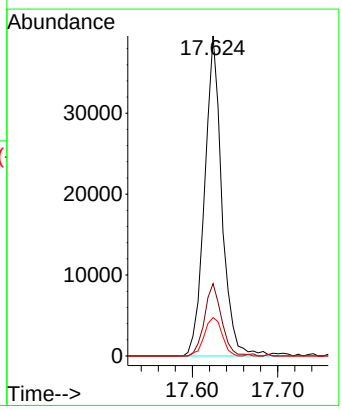
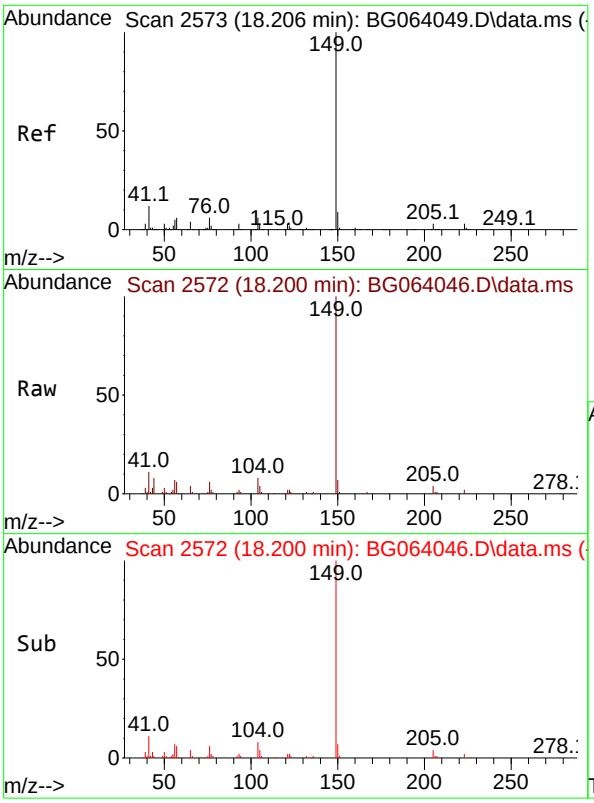


#73
Carbazole
Concen: 4.792 ng
RT: 17.624 min Scan# 2474
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:167 Resp: 55726

Ion	Ratio	Lower	Upper
167	100		
166	22.6	18.0	27.0
139	12.0	10.6	15.8

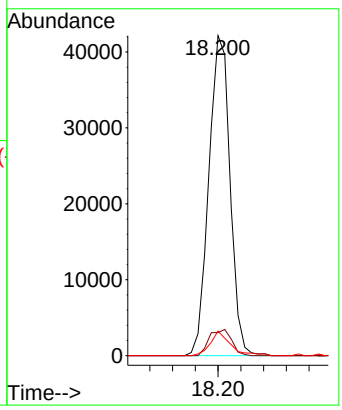




#74
Di-n-butylphthalate
Concen: 3.996 ng
RT: 18.200 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:149 Resp: 5470

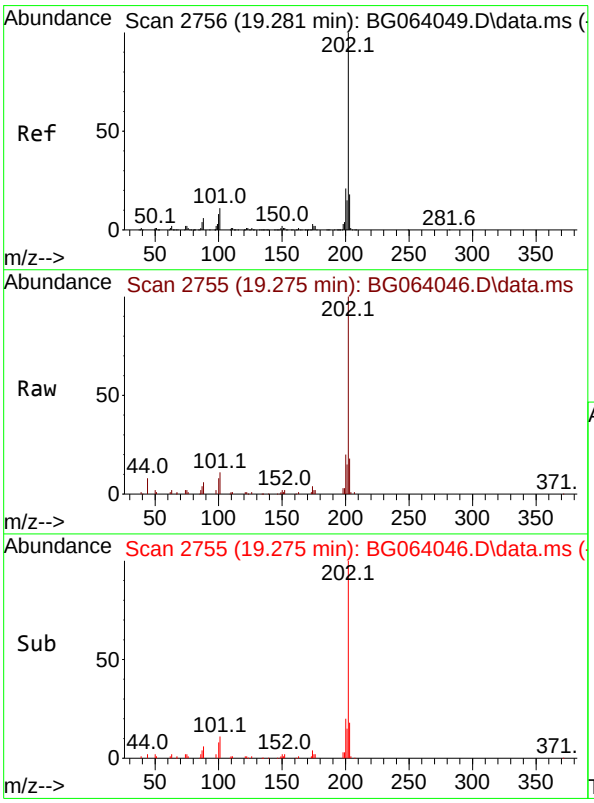
Ion	Ratio	Lower	Upper
149	100		
150	7.2	7.4	11.0#
104	7.7	5.0	7.6#



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

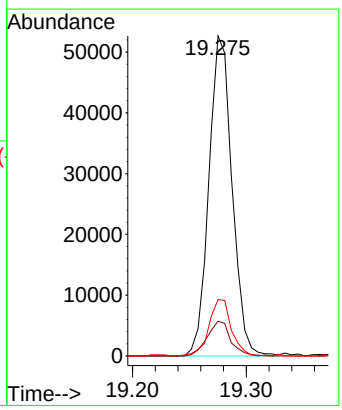
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

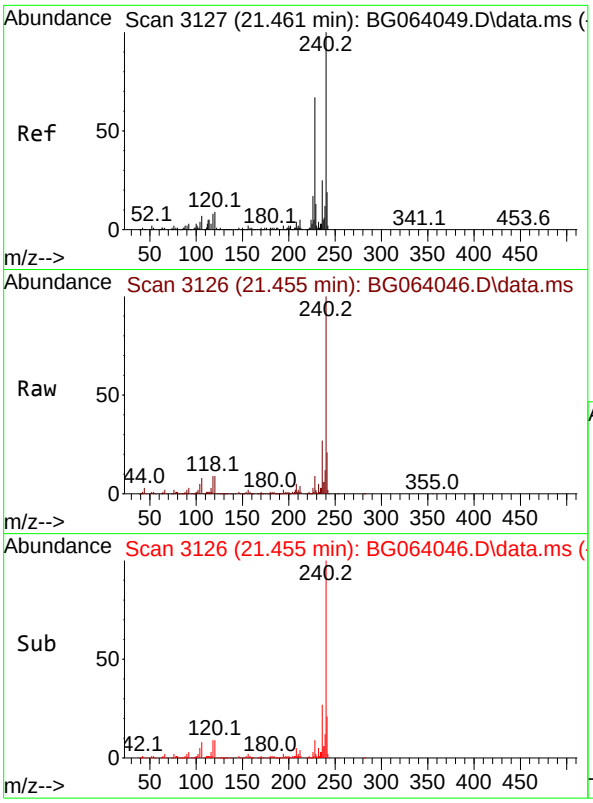


#75
Fluoranthene
Concen: 4.946 ng
RT: 19.275 min Scan# 2755
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:202 Resp: 74694

Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	30.5
203	17.6	0.0	38.3

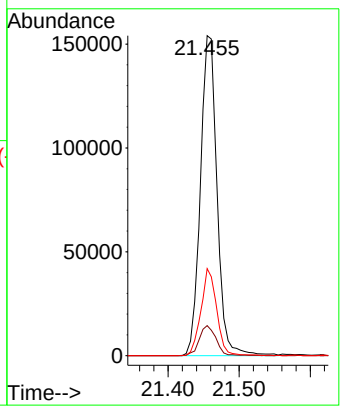




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.455 min Scan# 3
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:240 Resp: 25157

Ion	Ratio	Lower	Upper
240	100		
120	9.4	7.2	10.8
236	27.2	20.2	30.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
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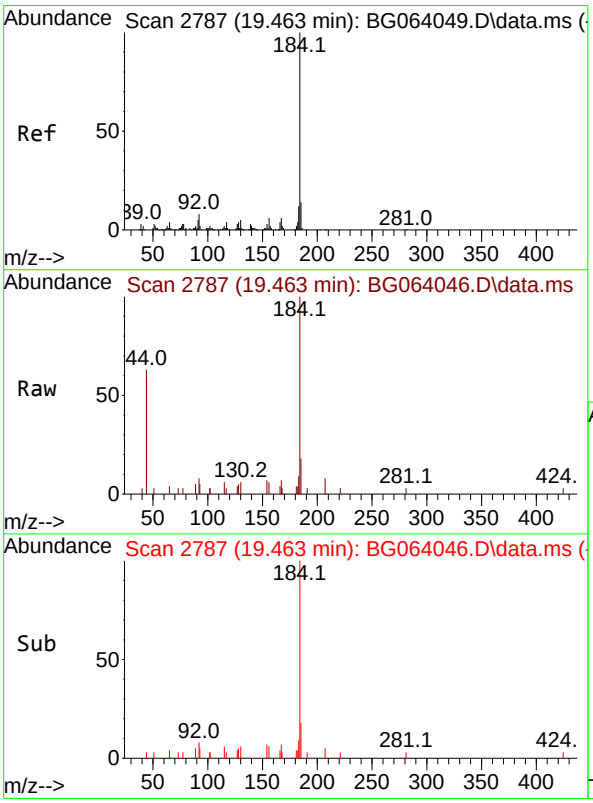
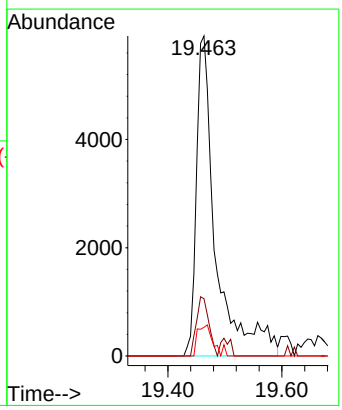
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

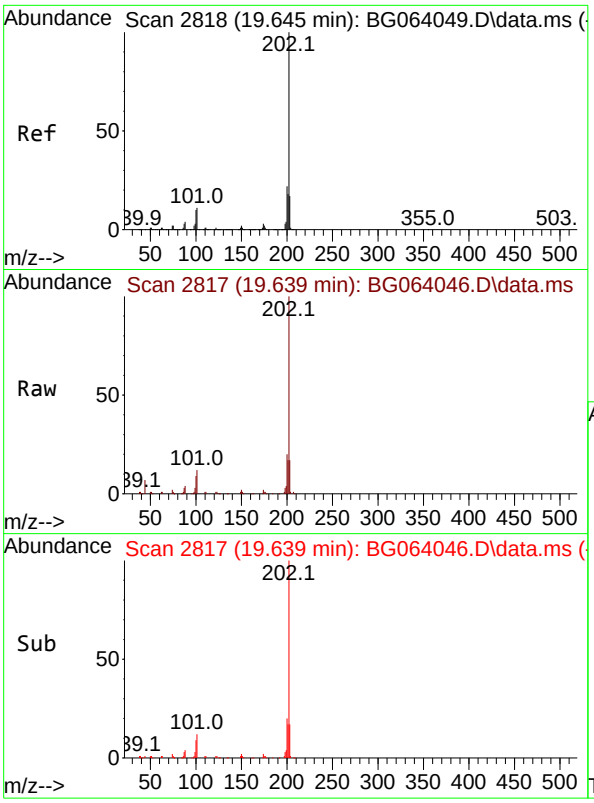


#77
Benzidine
Concen: 3.941 ng m
RT: 19.463 min Scan# 2787
Delta R.T. 0.000 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:184 Resp: 13919

Ion	Ratio	Lower	Upper
184	100		
185	17.9	11.3	16.9#
183	9.0	9.5	14.3#

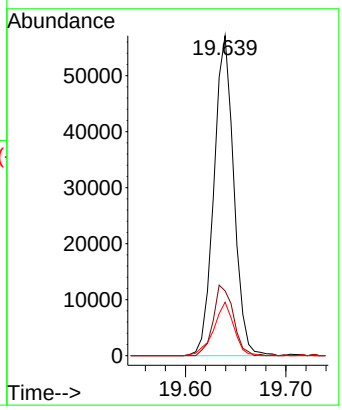




#78
Pyrene
Concen: 4.853 ng
RT: 19.639 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:202 Resp: 7870

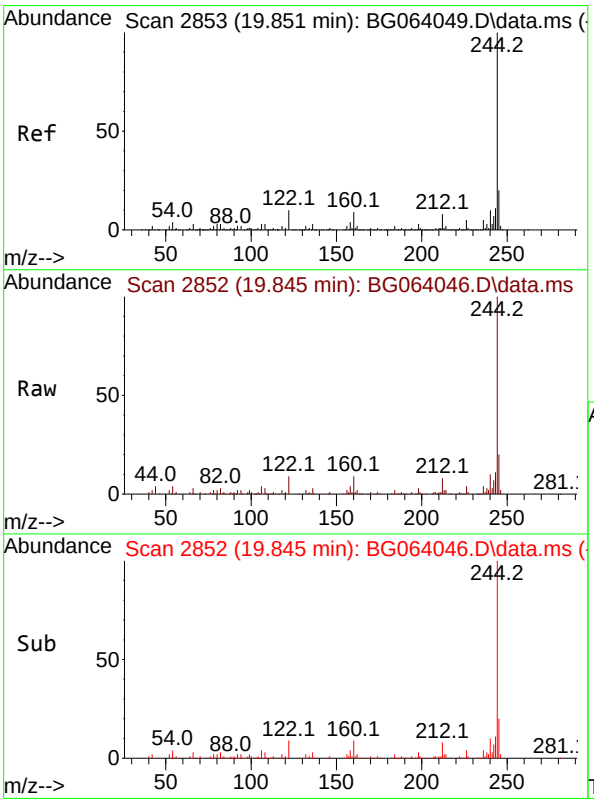
Ion	Ratio	Lower	Upper
202	100		
200	20.3	17.3	25.9
203	16.7	13.6	20.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

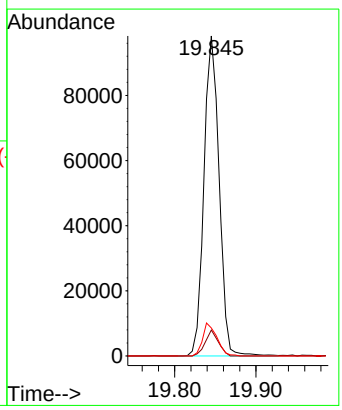
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

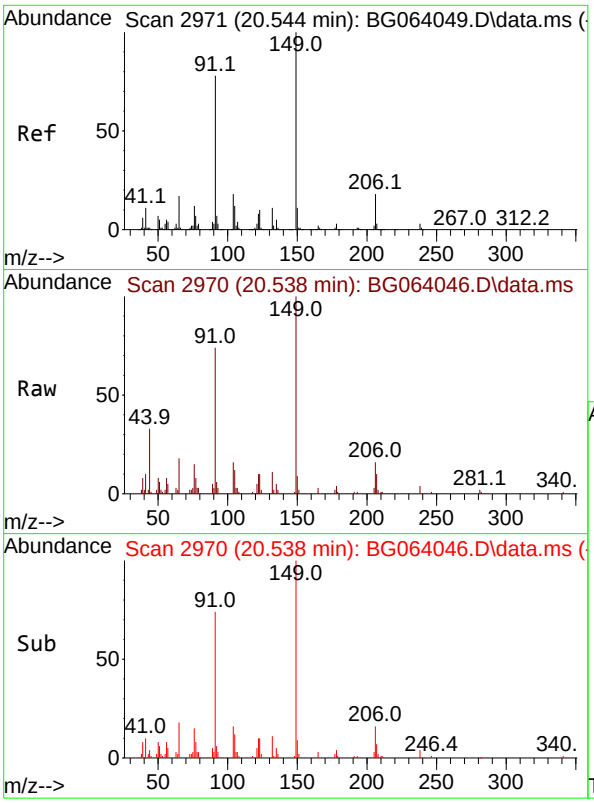


#79
Terphenyl-d14
Concen: 10.226 ng
RT: 19.845 min Scan# 2852
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:244 Resp: 127223

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.2	9.4
122	8.8	8.0	12.0

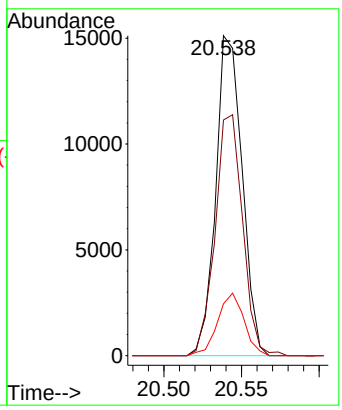




#80
Butylbenzylphthalate
Concen: 6.356 ng
RT: 20.538 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:149 Resp: 1789

Ion	Ratio	Lower	Upper
149	100		
91	73.7	62.0	93.0
206	16.2	14.6	21.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
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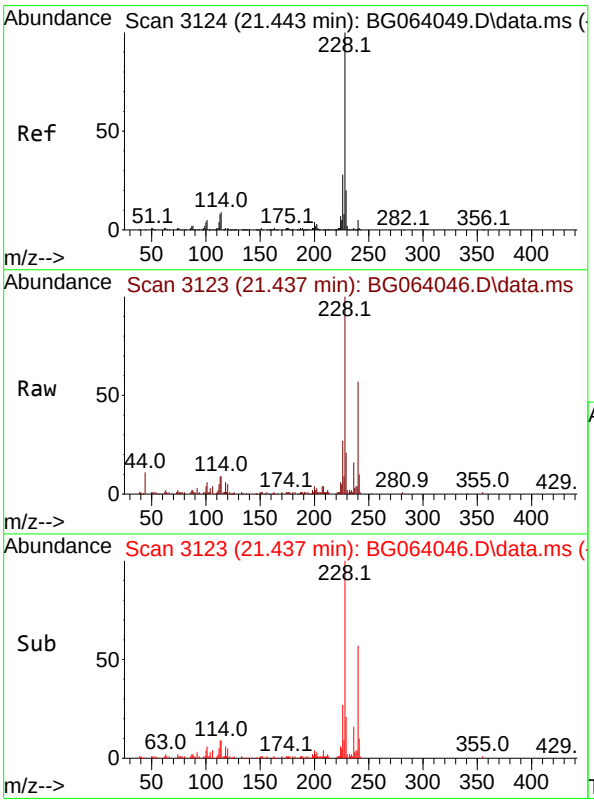
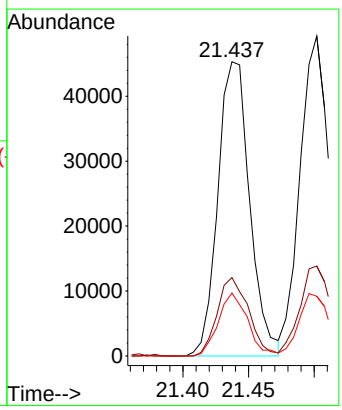
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

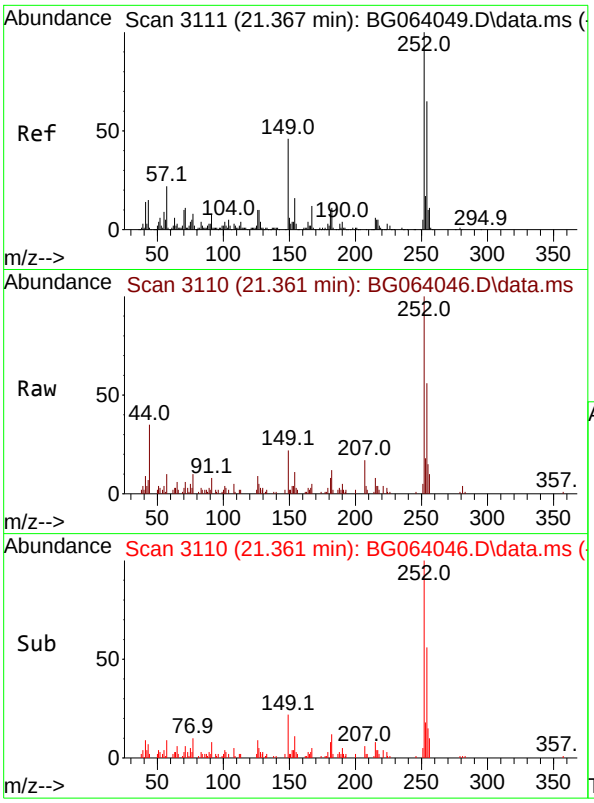


#81
Benzo(a)anthracene
Concen: 4.751 ng
RT: 21.437 min Scan# 3123
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:228 Resp: 76566

Ion	Ratio	Lower	Upper
228	100		
226	26.7	22.2	33.2
229	21.4	16.4	24.6

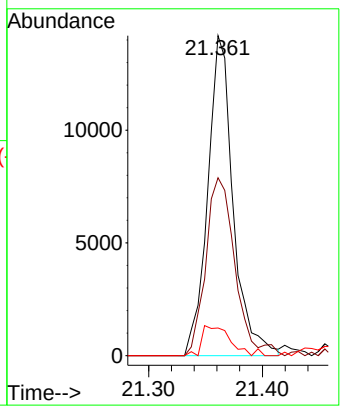




#82
3,3'-Dichlorobenzidine
Concen: 4.226 ng
RT: 21.361 min Scan# 3
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:252 Resp: 2203

Ion	Ratio	Lower	Upper
252	100		
254	55.6	52.1	78.1
126	8.6	7.8	11.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
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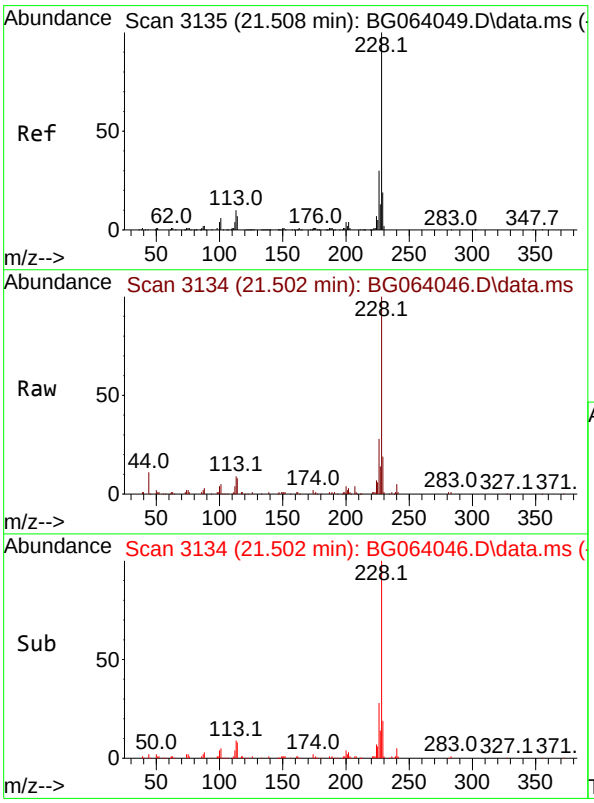
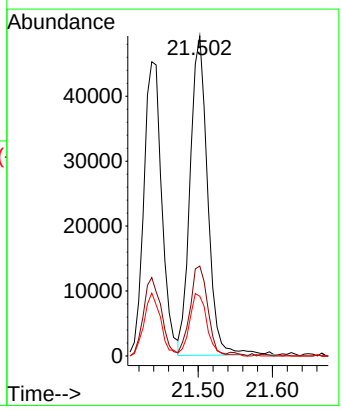
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

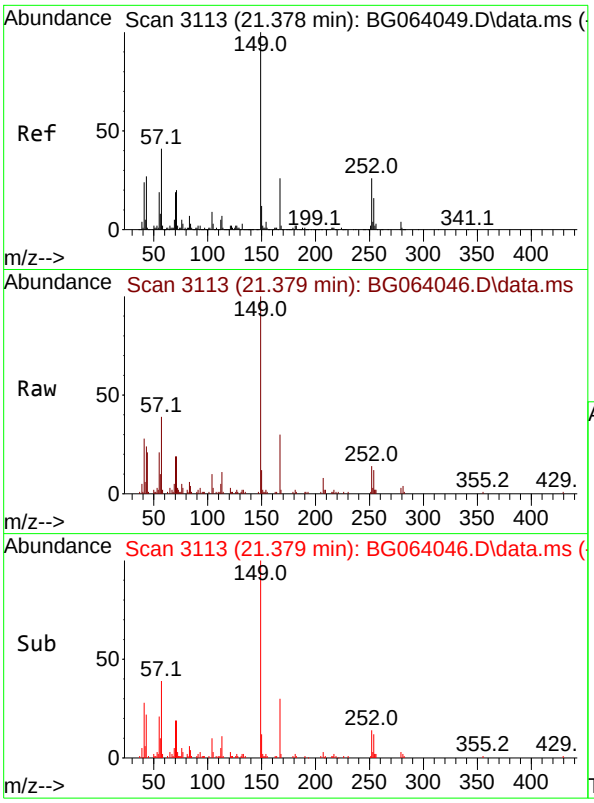


#83
Chrysene
Concen: 5.014 ng
RT: 21.502 min Scan# 3134
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:228 Resp: 80580

Ion	Ratio	Lower	Upper
228	100		
226	28.1	23.9	35.9
229	18.7	15.3	22.9





#84
Bis(2-ethylhexyl)phthalate
Concen: 3.634 ng
RT: 21.379 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

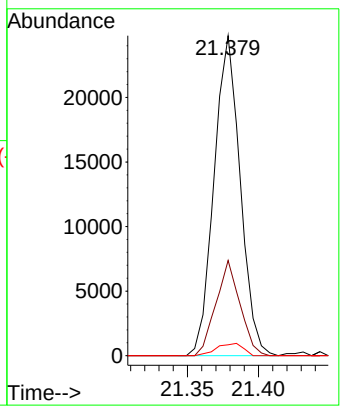
Tgt Ion:149 Resp: 3167

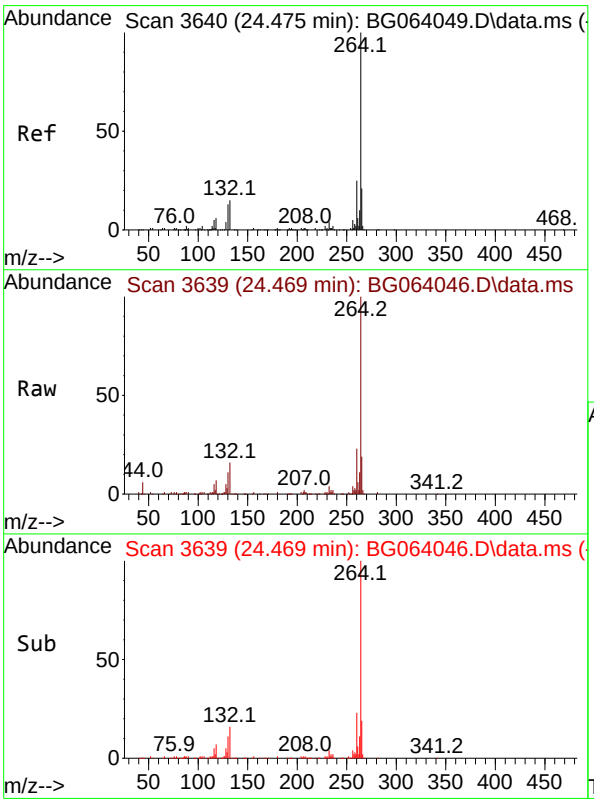
Ion	Ratio	Lower	Upper
149	100		
167	29.7	21.0	31.6
279	3.4	2.8	4.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

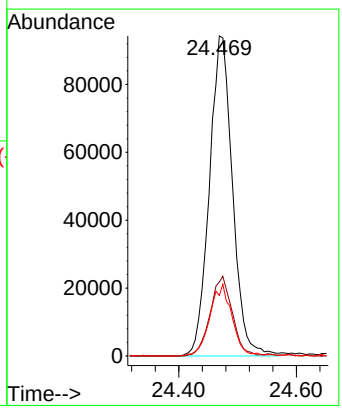


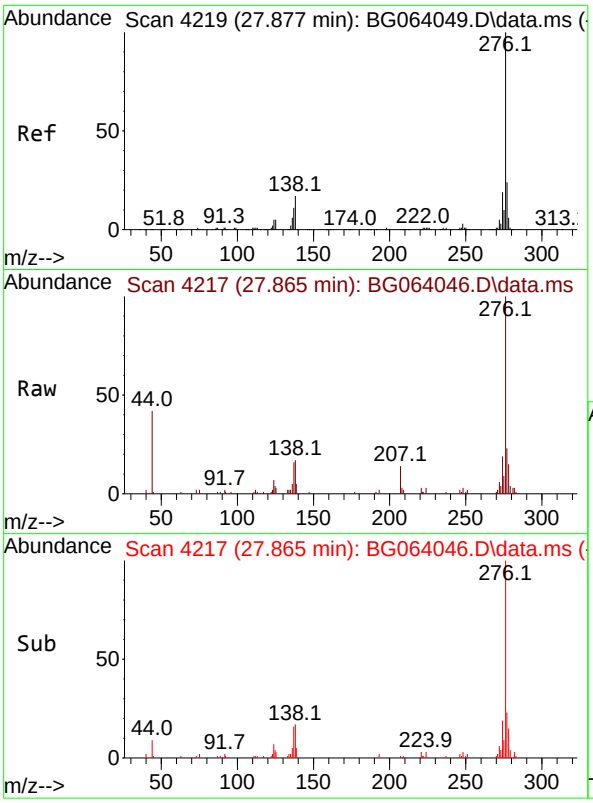


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.469 min Scan# 3639
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:264 Resp: 257404

Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.6	29.4
265	18.9	16.6	25.0

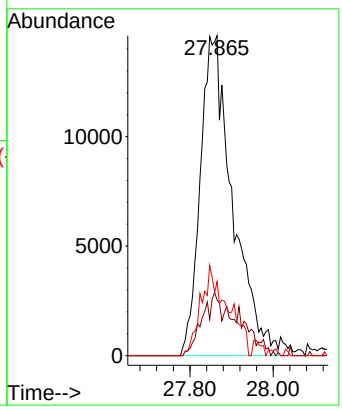




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.569 ng
RT: 27.865 min Scan# 4
Delta R.T. -0.011 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:276 Resp: 7868

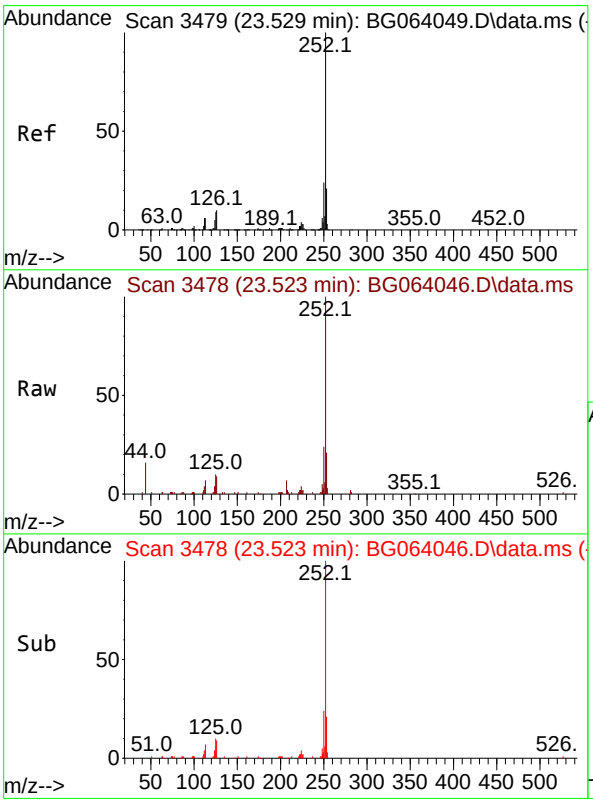
Ion	Ratio	Lower	Upper
276	100		
138	11.1	12.1	18.1#
277	23.4	20.0	30.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

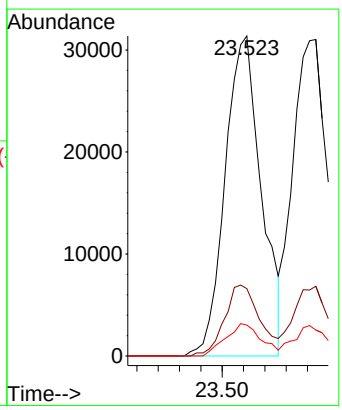
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

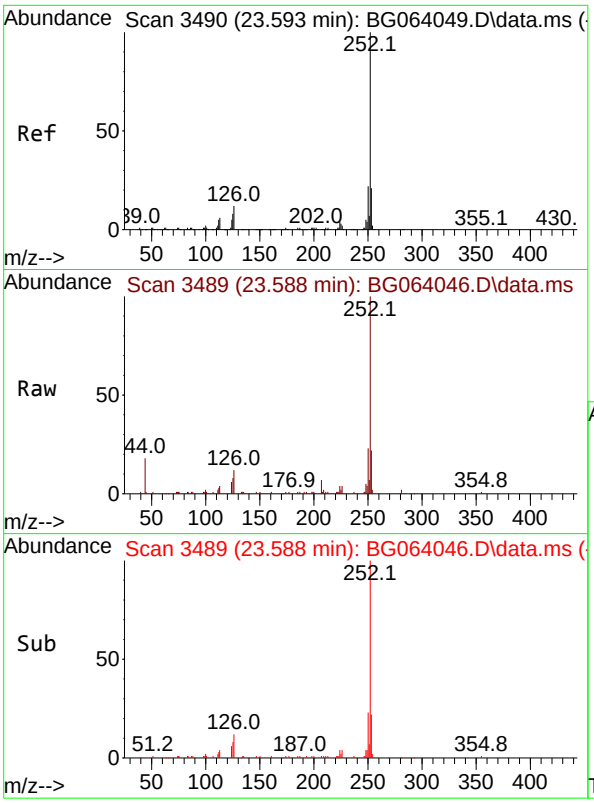


#88
Benzo(b)fluoranthene
Concen: 4.757 ng
RT: 23.523 min Scan# 3478
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:252 Resp: 74031

Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.0	25.4
125	9.7	7.4	11.2





#89
Benzo(k)fluoranthene
Concen: 4.582 ng
RT: 23.588 min Scan# 34
Delta R.T. -0.006 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

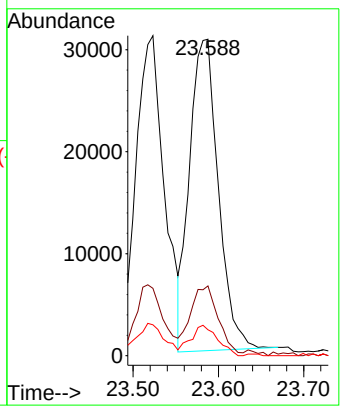
Tgt Ion:252 Resp: 7152

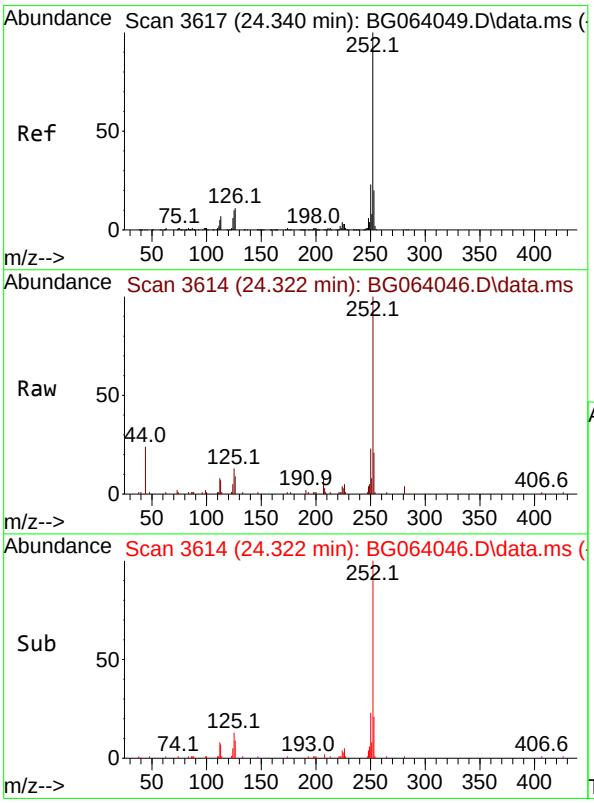
Ion	Ratio	Lower	Upper
252	100		
253	22.1	16.8	25.2
125	8.2	6.9	10.3

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

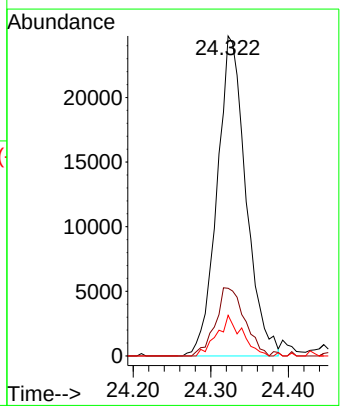


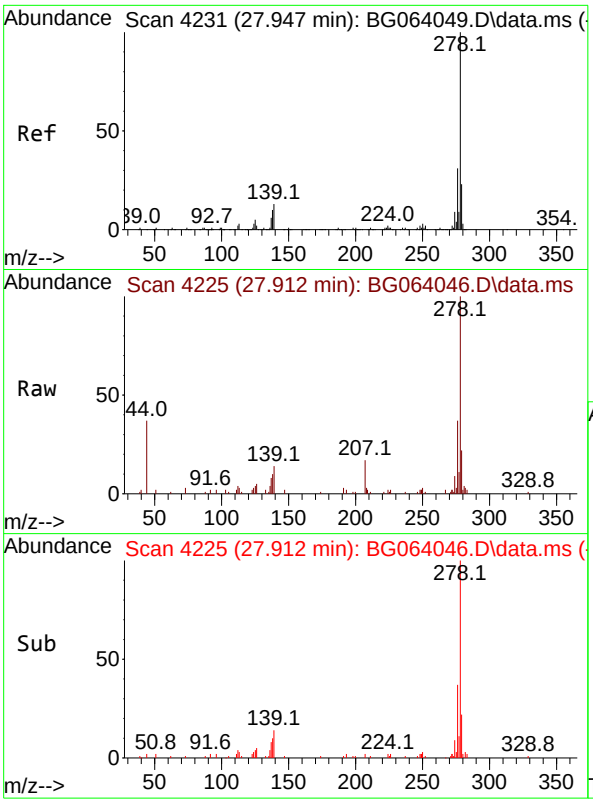


#90
Benzo(a)pyrene
Concen: 4.610 ng
RT: 24.322 min Scan# 3614
Delta R.T. -0.017 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:252 Resp: 63881

Ion	Ratio	Lower	Upper
252	100		
253	21.2	16.2	24.2
125	12.7	7.8	11.6#

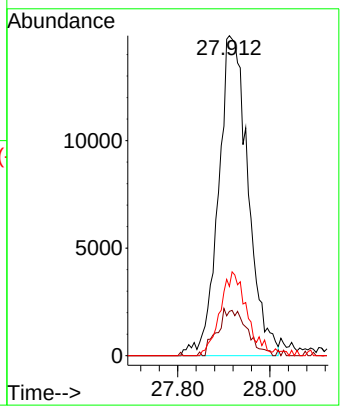




#91
Dibenzo(a,h)anthracene
Concen: 4.638 ng
RT: 27.912 min Scan# 4
Delta R.T. -0.035 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:278 Resp: 6622

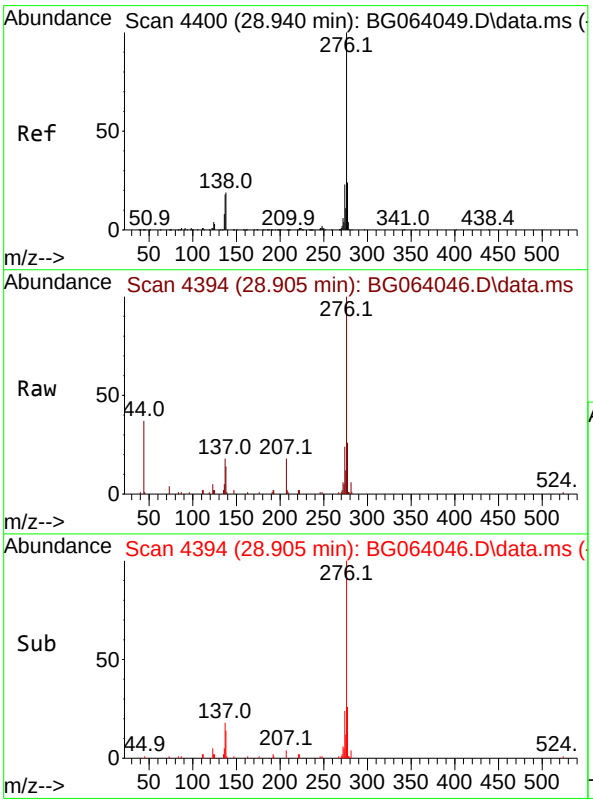
Ion	Ratio	Lower	Upper
278	100		
139	13.9	10.2	15.2
279	21.7	18.1	27.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

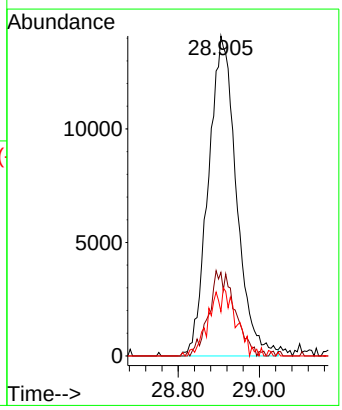
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025



#92
Benzo(g,h,i)perylene
Concen: 4.607 ng
RT: 28.905 min Scan# 4394
Delta R.T. -0.035 min
Lab File: BG064046.D
Acq: 5 Mar 2025 9:42

Tgt Ion:276 Resp: 67535

Ion	Ratio	Lower	Upper
276	100		
277	26.1	19.5	29.3
138	13.8	15.4	23.0#



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064047.D
Acq On : 5 Mar 2025 10:22
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

Quant Time: Mar 05 15:21:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 14:45:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.867	152	31108	20.000	ng		0.00
21) Naphthalene-d8	10.652	136	139041	20.000	ng		0.00
39) Acenaphthene-d10	14.489	164	93753	20.000	ng		0.00
64) Phenanthrene-d10	17.227	188	216134	20.000	ng		0.00
76) Chrysene-d12	21.457	240	243131	20.000	ng		0.00
86) Perylene-d12	24.471	264	255316	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.446	112	38583	19.366	ng		0.00
7) Phenol-d6	7.027	99	50726	18.716	ng		0.00
23) Nitrobenzene-d5	9.013	82	41723	16.583	ng		0.00
42) 2,4,6-Tribromophenol	15.969	330	17898	17.174	ng		0.00
45) 2-Fluorobiphenyl	13.114	172	122799	19.881	ng		0.00
79) Terphenyl-d14	19.847	244	248866	20.697	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.378	88	9415	10.428	ng		97
3) Pyridine	3.760	79	22471	10.233	ng		93
4) n-Nitrosodimethylamine	3.678	42	15180	9.676	ng	#	99
6) Aniline	7.191	93	25976	9.767	ng		98
8) 2-Chlorophenol	7.432	128	20803	9.722	ng		95
9) Benzaldehyde	7.003	77	17458m	11.020	ng		
10) Phenol	7.050	94	26326	9.487	ng		98
11) bis(2-Chloroethyl)ether	7.285	93	22457	10.323	ng		96
12) 1,3-Dichlorobenzene	7.755	146	23941	10.189	ng		90
13) 1,4-Dichlorobenzene	7.896	146	24047	9.985	ng		93
14) 1,2-Dichlorobenzene	8.214	146	22764	9.802	ng		91
15) Benzyl Alcohol	8.096	79	19422	9.274	ng		95
16) 2,2'-oxybis(1-Chloropr...	8.390	45	47034	9.615	ng		97
17) 2-Methylphenol	8.296	107	17355	9.424	ng		94
18) Hexachloroethane	8.948	117	8075	9.583	ng		90
19) n-Nitroso-di-n-propyla...	8.660	70	17996	9.461	ng	#	95
20) 3+4-Methylphenols	8.625	107	23611	9.313	ng		93
22) Acetophenone	8.678	105	36468	9.566	ng	#	91
24) Nitrobenzene	9.054	77	22242	8.554	ng	#	96
25) Isophorone	9.577	82	46752	9.284	ng		97
26) 2-Nitrophenol	9.765	139	5521	9.891	ng	#	79
27) 2,4-Dimethylphenol	9.823	122	13030	8.631	ng		90
28) bis(2-Chloroethoxy)met...	10.064	93	28970	9.488	ng		98
29) 2,4-Dichlorophenol	10.293	162	16635	8.726	ng		96
30) 1,2,4-Trichlorobenzene	10.517	180	22045	9.579	ng		96
31) Naphthalene	10.699	128	72491	9.669	ng		98
32) Benzoic acid	9.912	122	5442m	11.884	ng		
33) 4-Chloroaniline	10.805	127	25282	9.226	ng	#	92
34) Hexachlorobutadiene	10.993	225	14828	9.830	ng		99
35) Caprolactam	11.539	113	6357	8.702	ng	#	91
36) 4-Chloro-3-methylphenol	11.921	107	22970	9.192	ng		97
37) 2-Methylnaphthalene	12.309	142	50557	9.552	ng		100
38) 1-Methylnaphthalene	12.526	142	50620	9.762	ng	#	92
40) 1,2,4,5-Tetrachloroben...	12.679	216	27386	10.232	ng		98
41) Hexachlorocyclopentadiene	12.667	237	6015	7.985	ng		90
43) 2,4,6-Trichlorophenol	12.914	196	13713	8.693	ng		95

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064047.D
Acq On : 5 Mar 2025 10:22
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

Quant Time: Mar 05 15:21:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 14:45:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.979	196	15468	8.825	ng		95
46) 1,1'-Biphenyl	13.319	154	70250	9.918	ng		94
47) 2-Chloronaphthalene	13.360	162	50394	9.755	ng		98
48) 2-Nitroaniline	13.560	65	10834	9.850	ng		90
49) Acenaphthylene	14.207	152	78614	9.621	ng		96
50) Dimethylphthalate	13.942	163	65659	9.487	ng	#	95
51) 2,6-Dinitrotoluene	14.054	165	9373	9.566	ng		90
52) Acenaphthene	14.547	154	53833m	9.797	ng		
53) 3-Nitroaniline	14.383	138	10697	7.997	ng		98
54) 2,4-Dinitrophenol	14.583	184	3090	12.640	ng	#	74
55) Dibenzofuran	14.882	168	88163	9.924	ng		97
56) 4-Nitrophenol	14.682	139	7683	6.849	ng	#	88
57) 2,4-Dinitrotoluene	14.835	165	11947	9.344	ng	#	95
58) Fluorene	15.528	166	67954	9.821	ng		96
59) 2,3,4,6-Tetrachlorophenol	15.111	232	15282	8.943	ng		99
60) Diethylphthalate	15.311	149	70346	9.363	ng		96
61) 4-Chlorophenyl-phenyle...	15.534	204	34862	10.139	ng		95
62) 4-Nitroaniline	15.540	138	12324	8.534	ng		89
63) Azobenzene	15.822	77	77127	9.620	ng		98
65) 4,6-Dinitro-2-methylph...	15.605	198	5373	12.953	ng		97
66) n-Nitrosodiphenylamine	15.740	169	59511	9.727	ng		99
67) 4-Bromophenyl-phenylether	16.422	248	21085	9.525	ng		97
68) Hexachlorobenzene	16.539	284	24406	9.848	ng	#	89
69) Atrazine	16.686	200	20585	11.436	ng		92
70) Pentachlorophenol	16.874	266	11318	7.355	ng	#	87
71) Phenanthrene	17.268	178	111754	9.694	ng		97
72) Anthracene	17.356	178	112451	9.810	ng		99
73) Carbazole	17.626	167	106750	9.974	ng		98
74) Di-n-butylphthalate	18.202	149	118366	9.396	ng		97
75) Fluoranthene	19.277	202	142097	10.224	ng		98
77) Benzidine	19.465	184	48648m	14.253	ng		
78) Pyrene	19.641	202	156414	9.980	ng		99
80) Butylbenzylphthalate	20.546	149	40179	9.952	ng	#	88
81) Benzo(a)anthracene	21.439	228	154113	9.895	ng		97
82) 3,3'-Dichlorobenzidine	21.363	252	48080	9.539	ng	#	93
83) Chrysene	21.504	228	149887	9.649	ng		98
84) Bis(2-ethylhexyl)phtha...	21.380	149	70780	8.403	ng		95
85) Di-n-octyl phthalate	22.526	149	108389	7.461	ng		97
87) Indeno(1,2,3-cd)pyrene	27.855	276	157212	9.203	ng	#	75
88) Benzo(b)fluoranthene	23.519	252	146238	9.475	ng		98
89) Benzo(k)fluoranthene	23.584	252	151826	9.805	ng		97
90) Benzo(a)pyrene	24.330	252	130528	9.496	ng		96
91) Dibenzo(a,h)anthracene	27.914	278	132272	9.340	ng	#	97
92) Benzo(g,h,i)perylene	28.907	276	139536	9.596	ng		97

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

ICAL Form

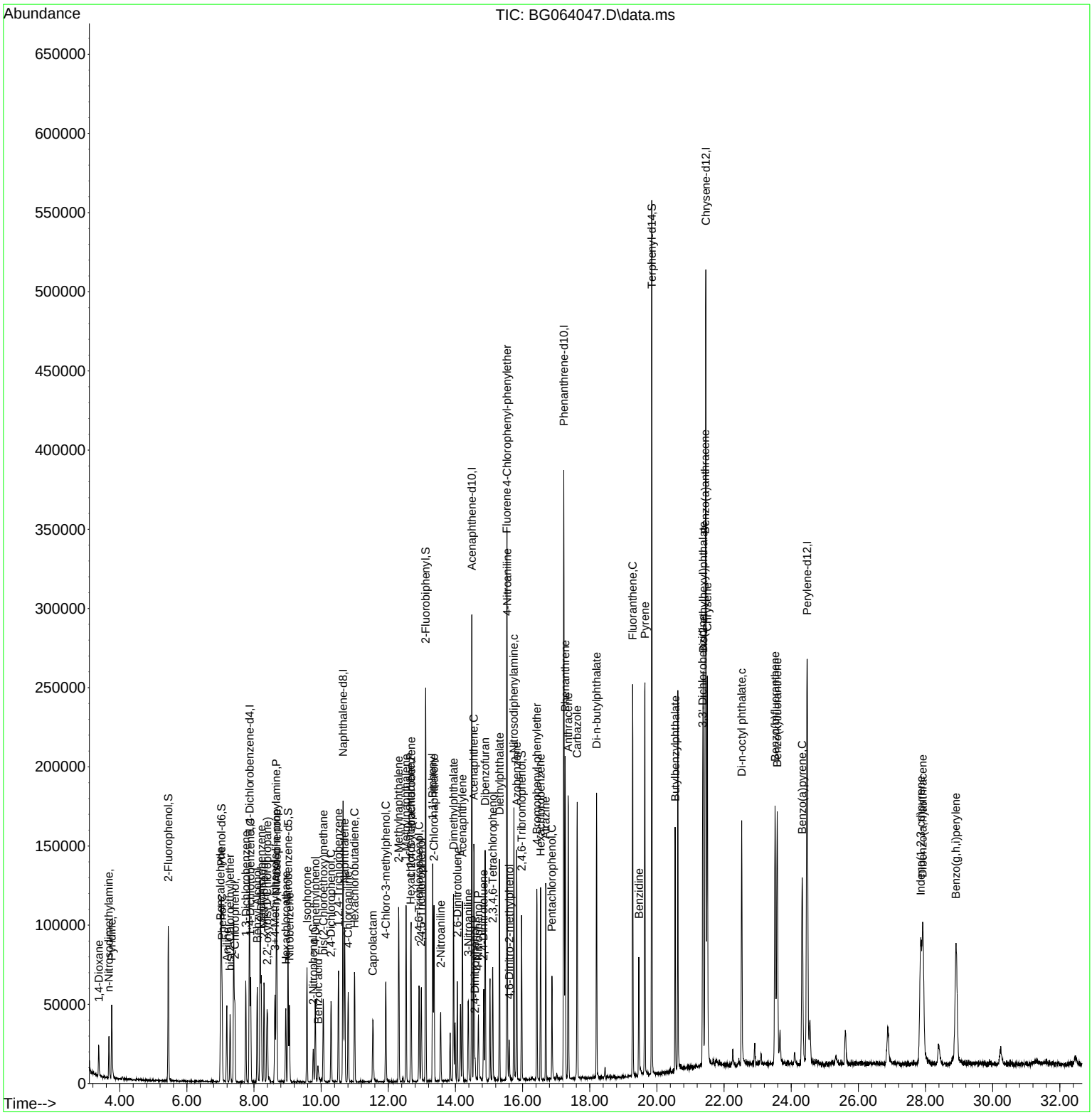
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064047.D
Acq On : 5 Mar 2025 10:22
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

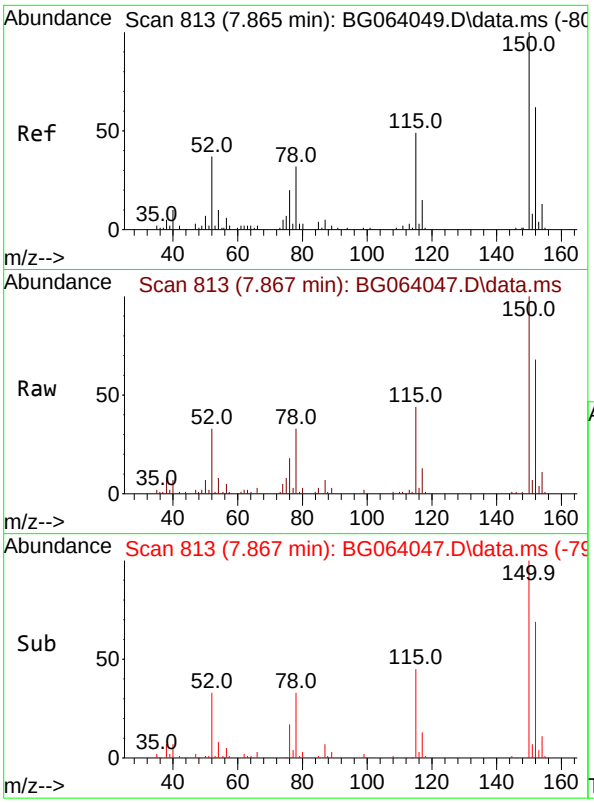
Quant Time: Mar 05 15:21:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 14:45:06 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

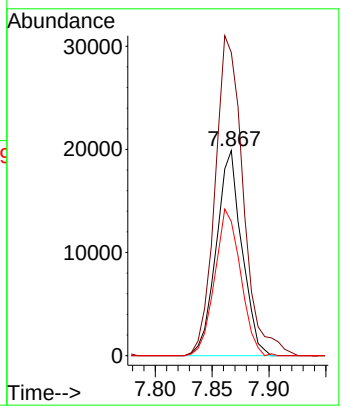




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.867 min Scan# 81
Delta R.T. 0.002 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:152 Resp: 3110

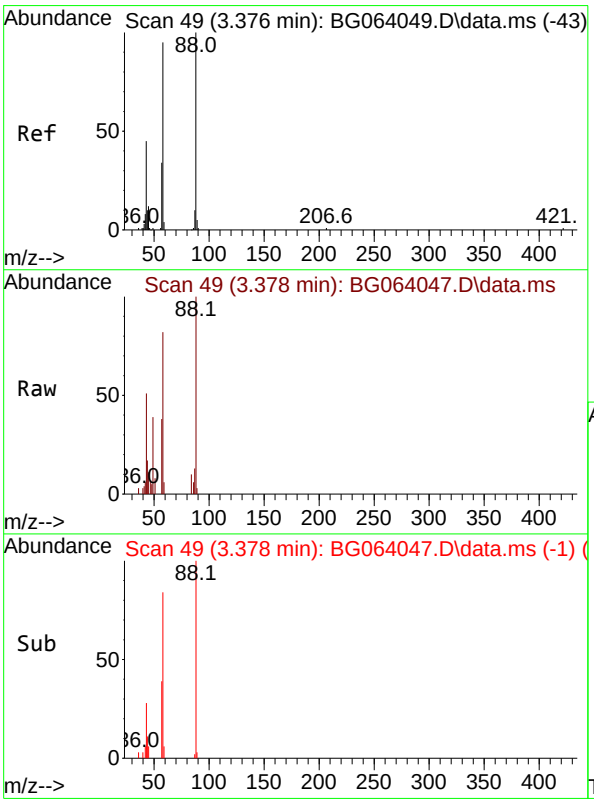
Ion	Ratio	Lower	Upper
152	100		
150	147.8	129.2	193.8
115	65.4	63.0	94.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

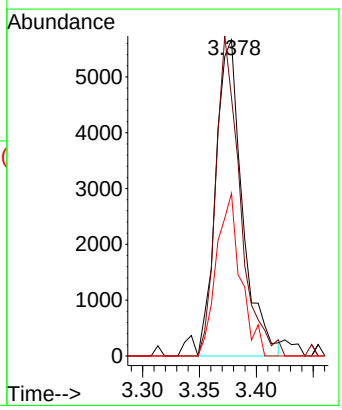
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

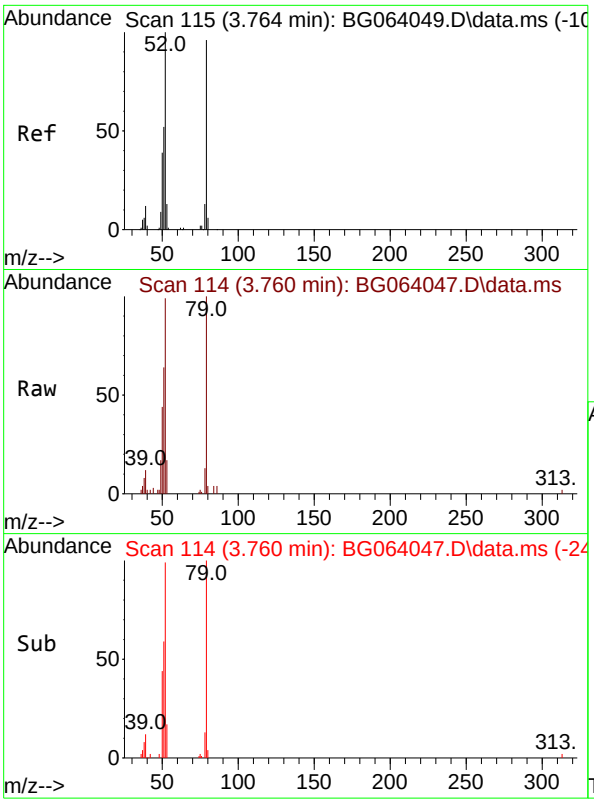


#2
1,4-Dioxane
Concen: 10.428 ng
RT: 3.378 min Scan# 49
Delta R.T. 0.002 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion: 88 Resp: 9415

Ion	Ratio	Lower	Upper
88	100		
58	89.7	74.6	111.8
43	45.8	35.5	53.3

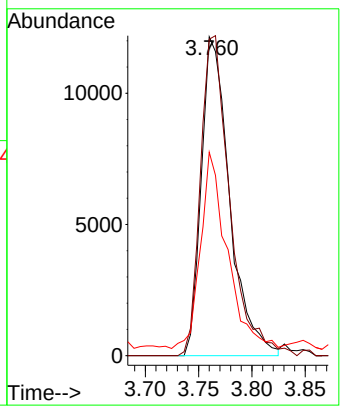




#3
Pyridine
Concen: 10.233 ng
RT: 3.760 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion: 79 Resp: 2247

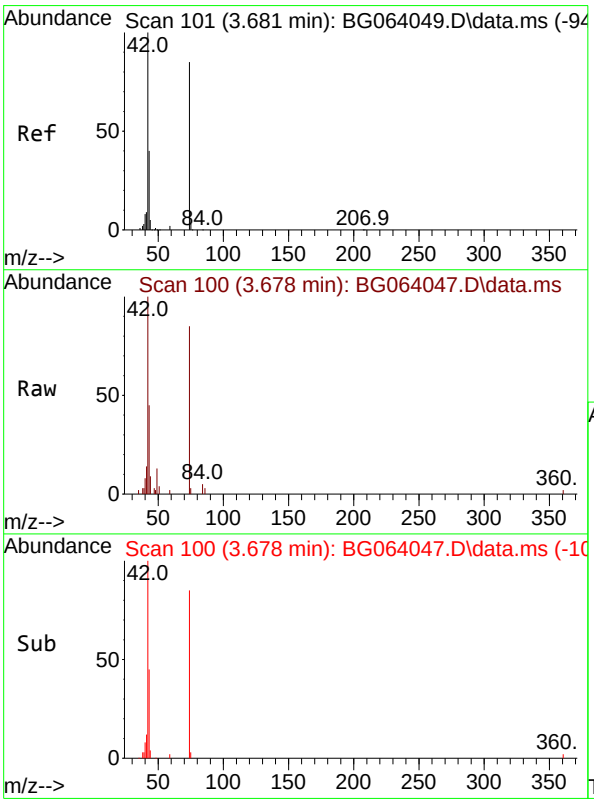
Ion	Ratio	Lower	Upper
79	100		
52	99.2	83.0	124.6
51	63.8	44.3	66.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

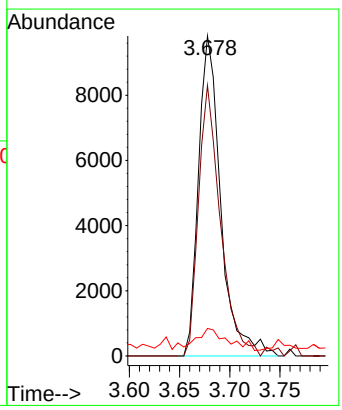
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

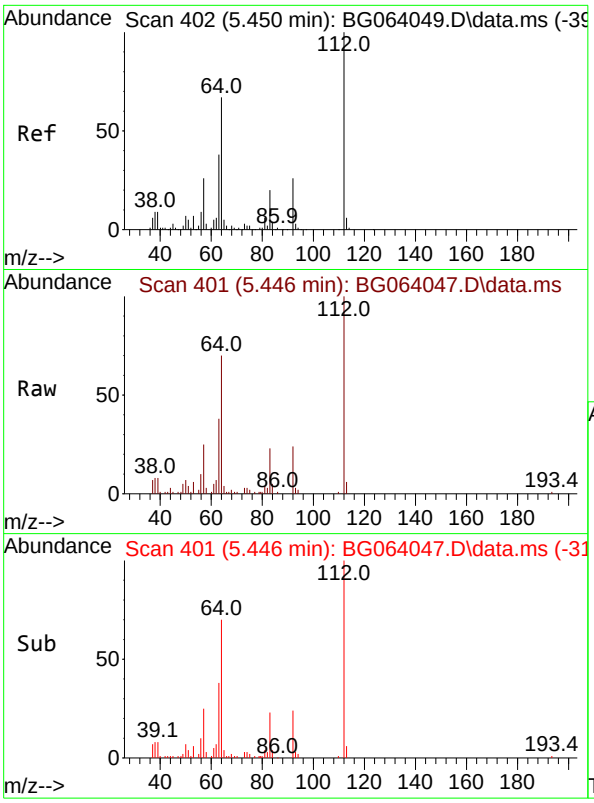


#4
n-Nitrosodimethylamine
Concen: 9.676 ng
RT: 3.678 min Scan# 100
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion: 42 Resp: 15180

Ion	Ratio	Lower	Upper
42	100		
74	84.6	68.0	102.0
44	8.6	4.9	7.3#

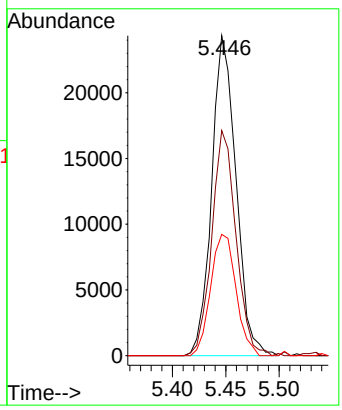




#5
2-Fluorophenol
Concen: 19.366 ng
RT: 5.446 min Scan# 4(
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:112 Resp: 3858

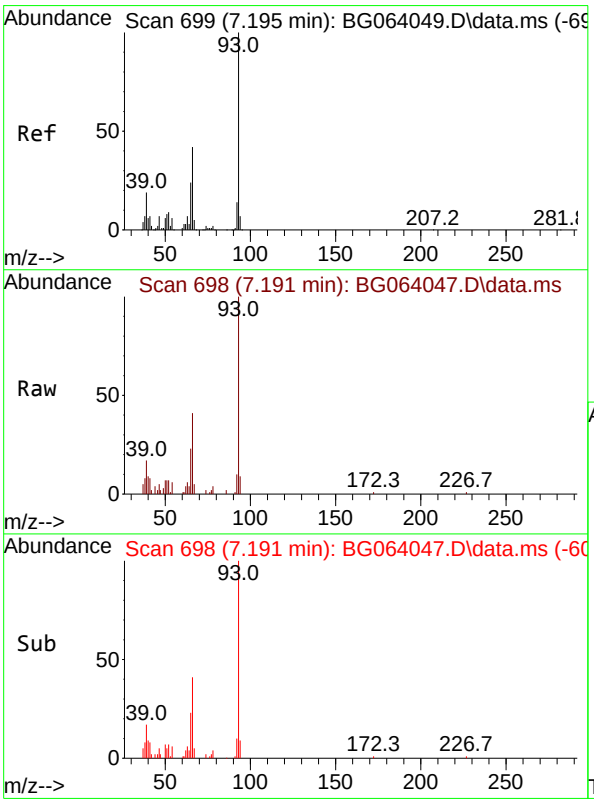
Ion	Ratio	Lower	Upper
112	100		
64	70.4	53.7	80.5
63	37.9	30.2	45.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

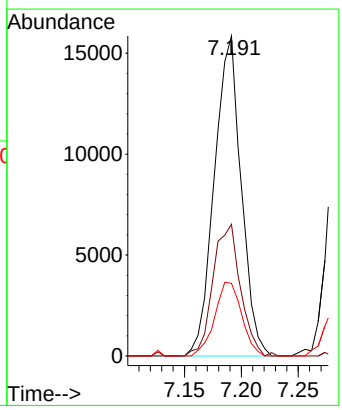
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

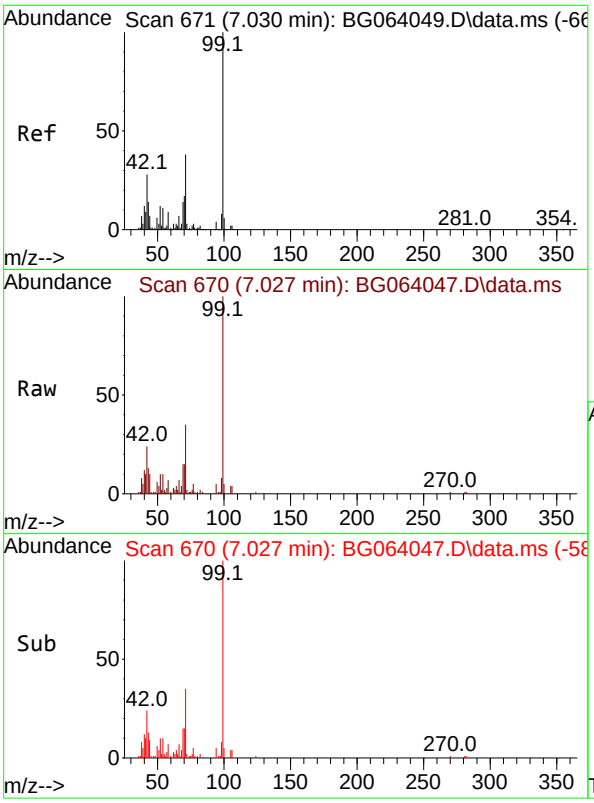


#6
Aniline
Concen: 9.767 ng
RT: 7.191 min Scan# 698
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion: 93 Resp: 25976

Ion	Ratio	Lower	Upper
93	100		
66	41.2	33.7	50.5
65	22.7	19.1	28.7

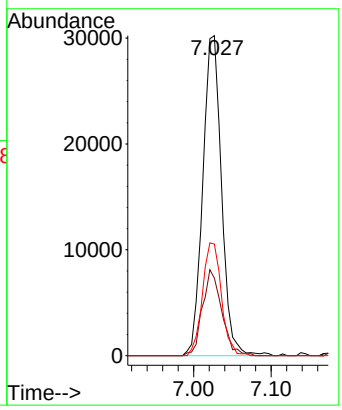




#7
Phenol-d6
Concen: 18.716 ng
RT: 7.027 min Scan# 6
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion: 99 Resp: 5072

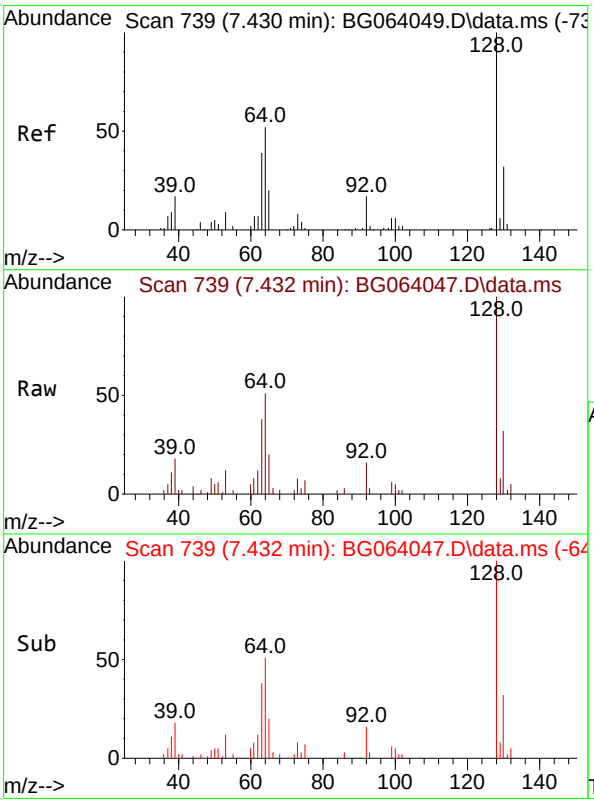
Ion	Ratio	Lower	Upper
99	100		
42	24.2	22.7	34.1
71	34.9	30.6	46.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

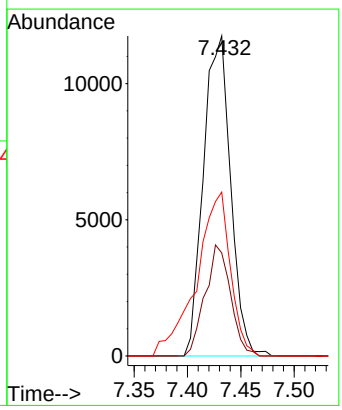
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

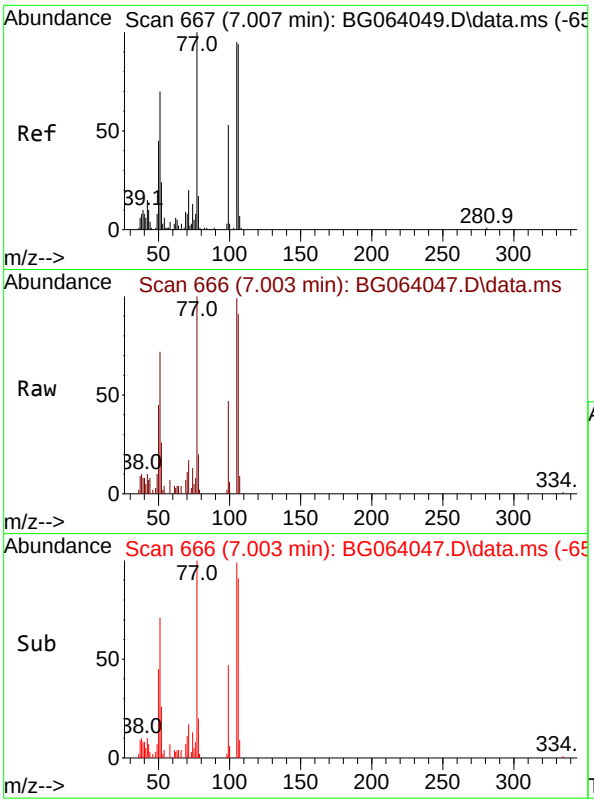


#8
2-Chlorophenol
Concen: 9.722 ng
RT: 7.432 min Scan# 739
Delta R.T. 0.002 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:128 Resp: 20803

Ion	Ratio	Lower	Upper
128	100		
130	32.2	12.3	52.3
64	51.2	37.0	77.0

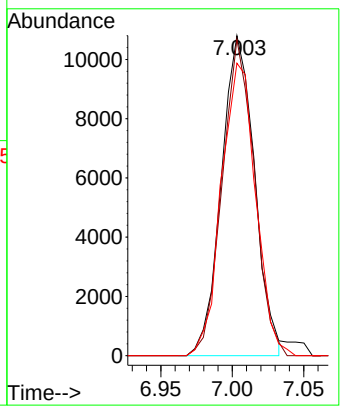




#9
Benzaldehyde
Concen: 11.020 ng m
RT: 7.003 min Scan# 6
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion: 77 Resp: 1745

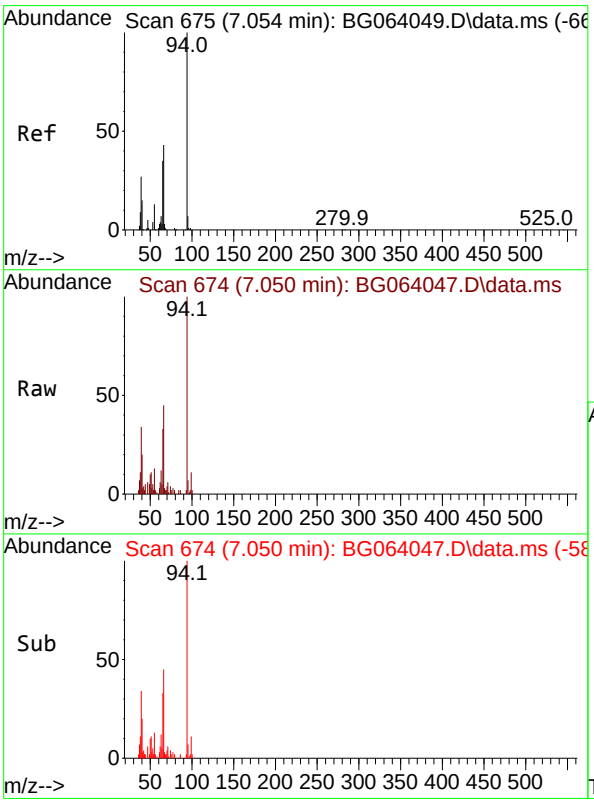
Ion	Ratio	Lower	Upper
77	100		
105	98.8	75.5	115.5
106	91.4	74.2	114.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

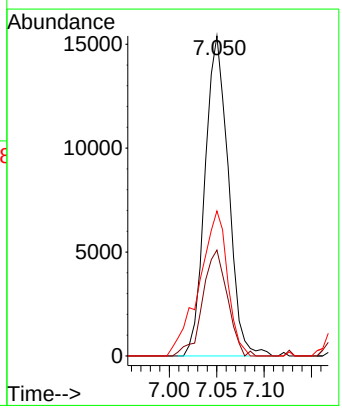
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

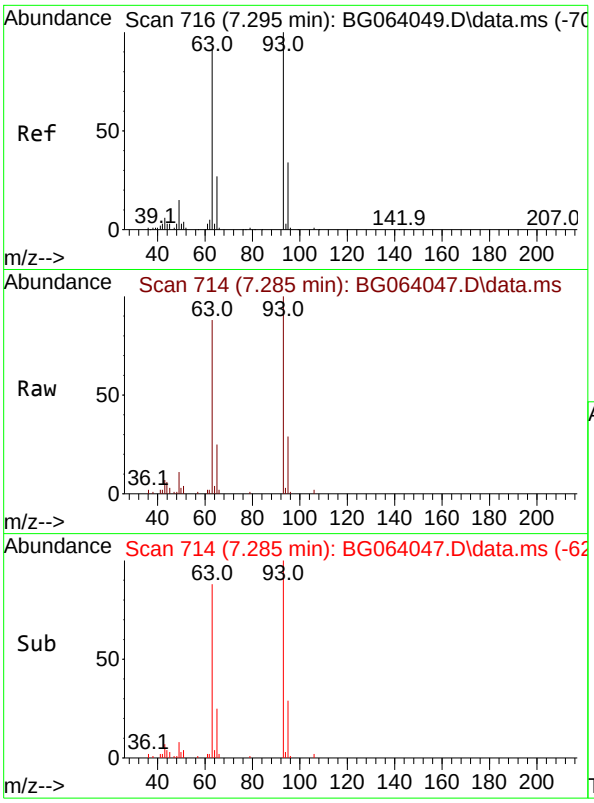


#10
Phenol
Concen: 9.487 ng
RT: 7.050 min Scan# 674
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion: 94 Resp: 26326

Ion	Ratio	Lower	Upper
94	100		
65	33.1	15.2	55.2
66	45.3	25.1	65.1

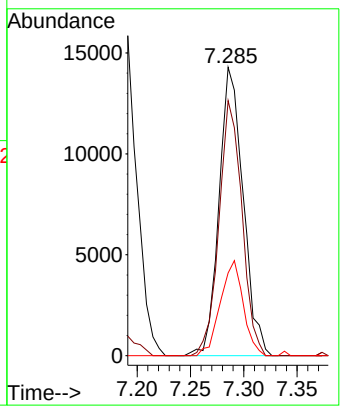




#11
bis(2-Chloroethyl)ether
Concen: 10.323 ng
RT: 7.285 min Scan# 7
Delta R.T. -0.010 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion: 93 Resp: 2245

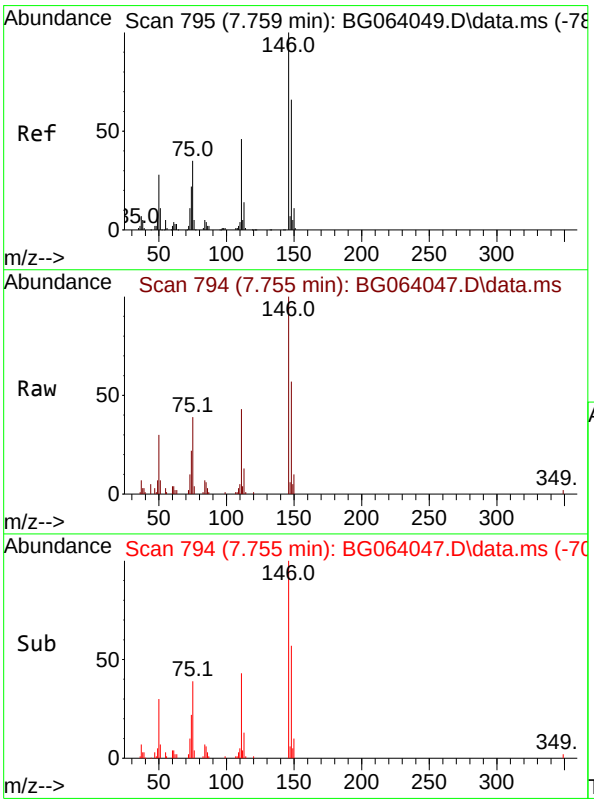
Ion	Ratio	Lower	Upper
93	100		
63	88.5	70.0	110.0
95	28.7	13.7	53.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

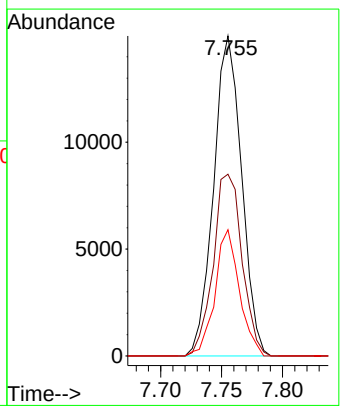
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

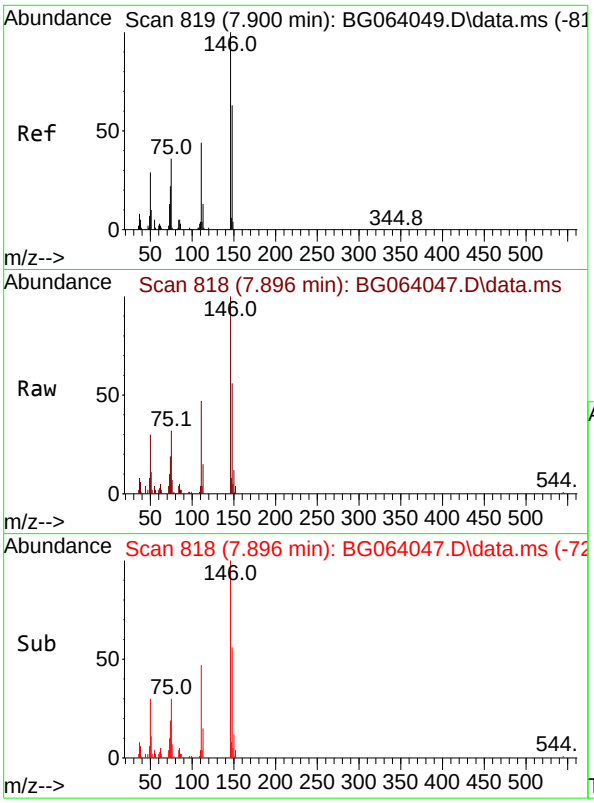


#12
1,3-Dichlorobenzene
Concen: 10.189 ng
RT: 7.755 min Scan# 794
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:146 Resp: 23941

Ion	Ratio	Lower	Upper
146	100		
148	56.8	52.6	78.8
75	39.5	28.1	42.1

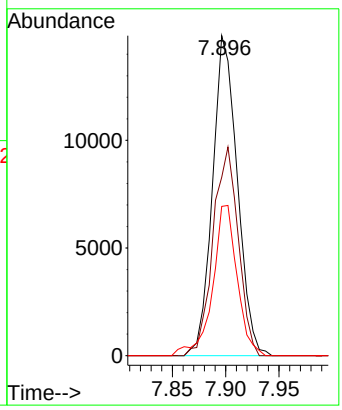




#13
1,4-Dichlorobenzene
Concen: 9.985 ng
RT: 7.896 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:146 Resp: 2404

Ion	Ratio	Lower	Upper
146	100		
148	55.7	50.6	75.8
111	46.7	35.1	52.7



Instrument :
BNA_G
ClientSampleId :
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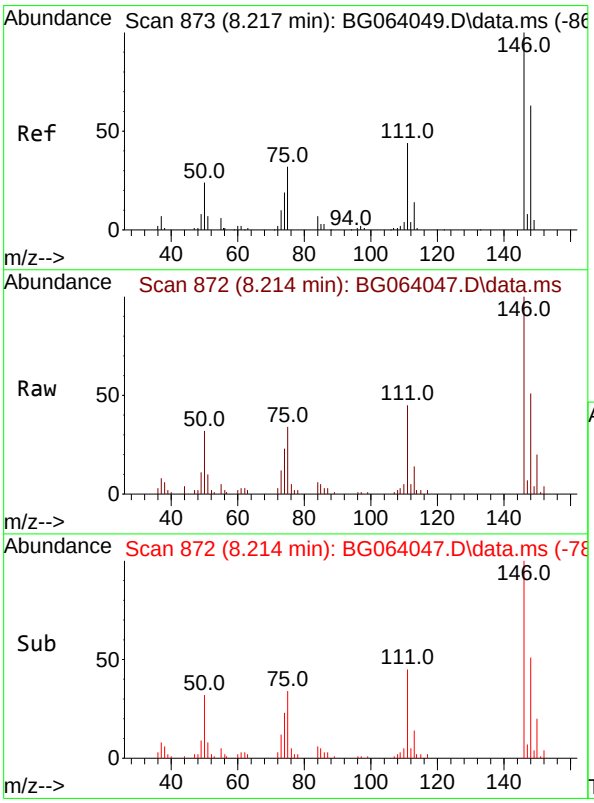
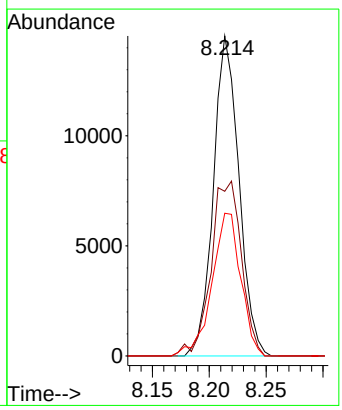
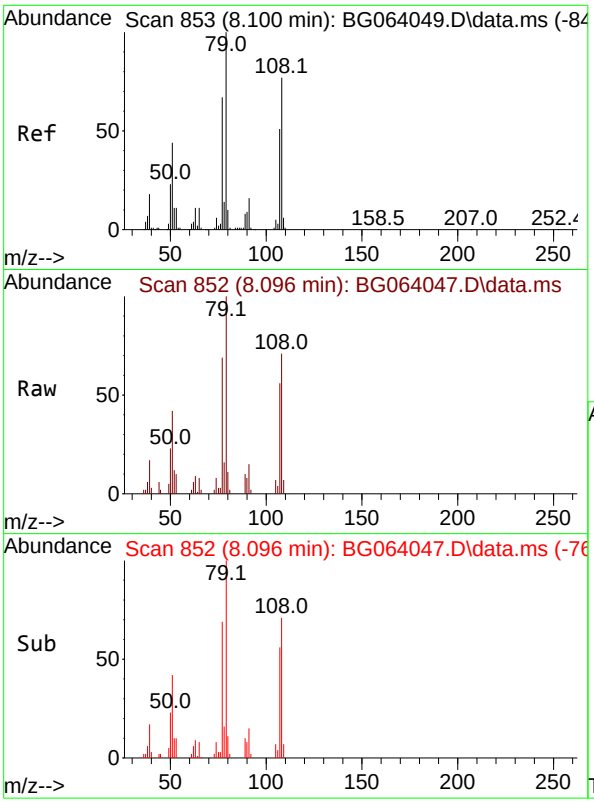


#14
1,2-Dichlorobenzene
Concen: 9.802 ng
RT: 8.214 min Scan# 872
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:146 Resp: 22764

Ion	Ratio	Lower	Upper
146	100		
148	51.4	50.2	75.2
111	44.6	36.4	54.6

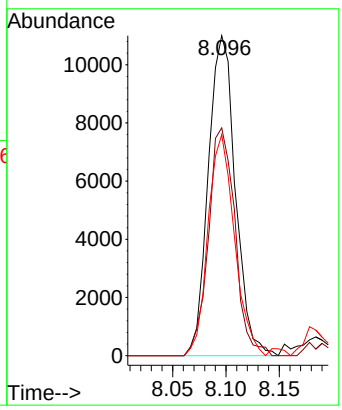




#15
Benzyl Alcohol
Concen: 9.274 ng
RT: 8.096 min Scan# 8
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion: 79 Resp: 1942

Ion	Ratio	Lower	Upper
79	100		
108	71.2	61.7	92.5
77	69.0	53.9	80.9



Instrument :
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ClientSampleId :
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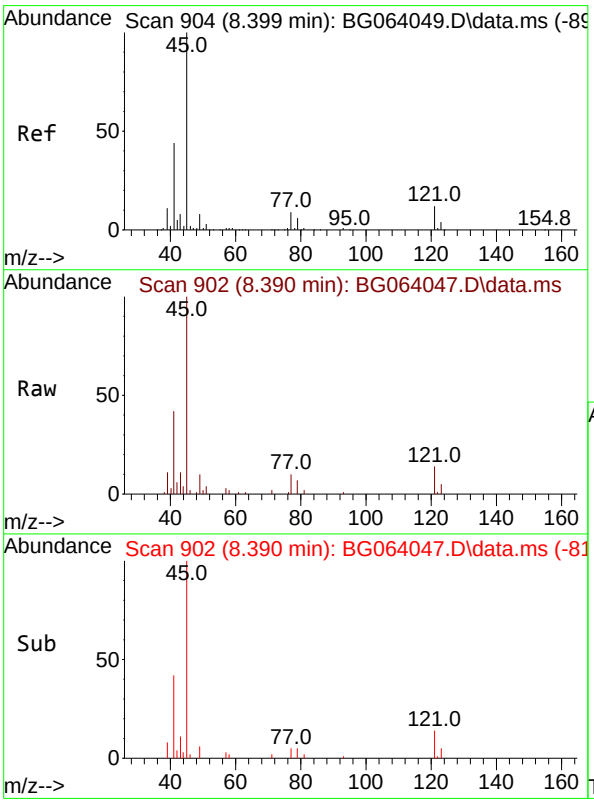
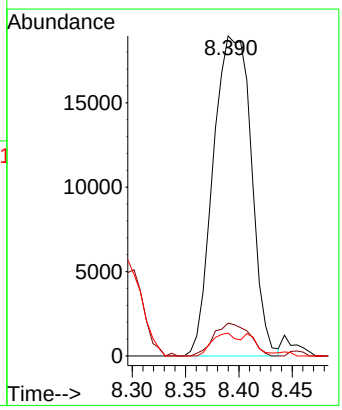
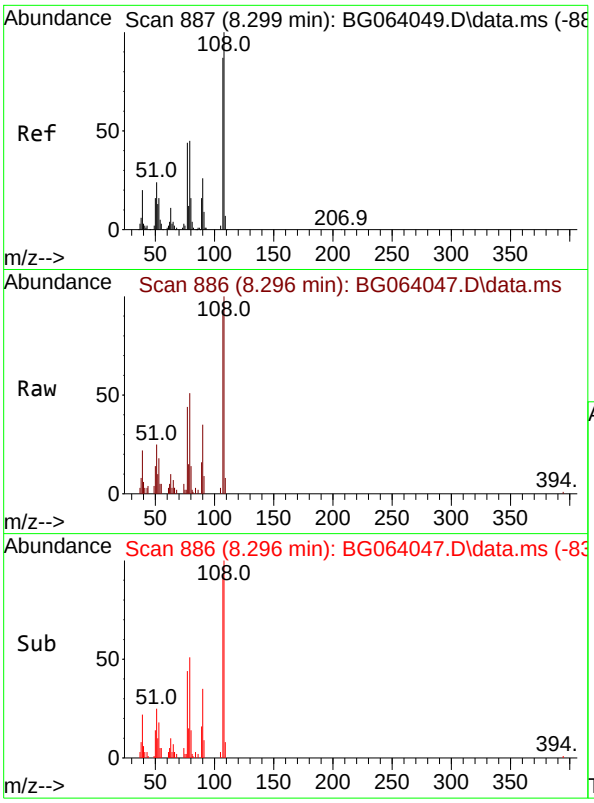


#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.615 ng
RT: 8.390 min Scan# 902
Delta R.T. -0.010 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion: 45 Resp: 47034

Ion	Ratio	Lower	Upper
45	100		
77	10.3	0.0	29.0
79	7.1	0.0	26.6

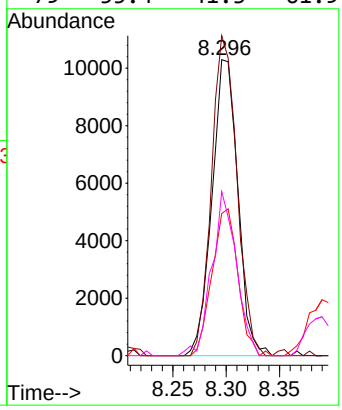




#17
2-Methylphenol
Concen: 9.424 ng
RT: 8.296 min Scan# 8
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:107 Resp: 1735

Ion	Ratio	Lower	Upper
107	100		
108	108.1	92.5	138.7
77	48.0	40.5	60.7
79	55.4	41.3	61.9



Instrument :
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ClientSampleId :
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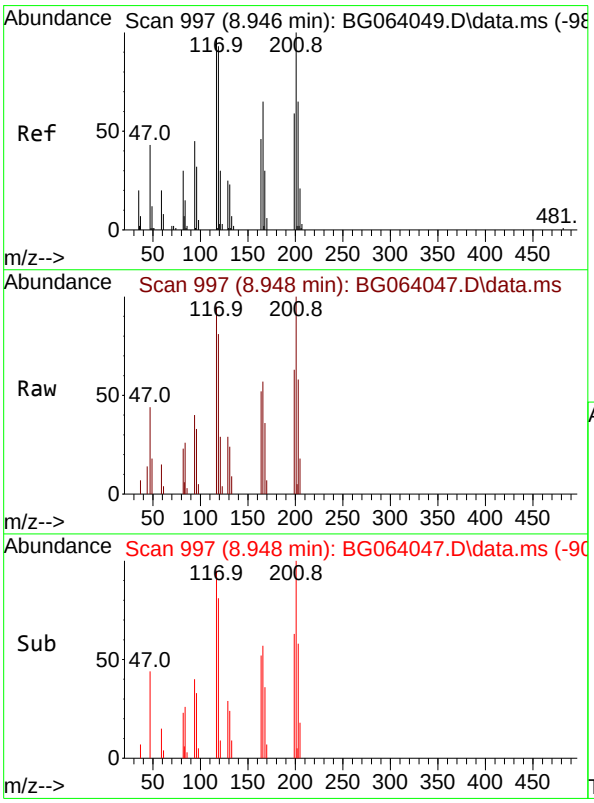
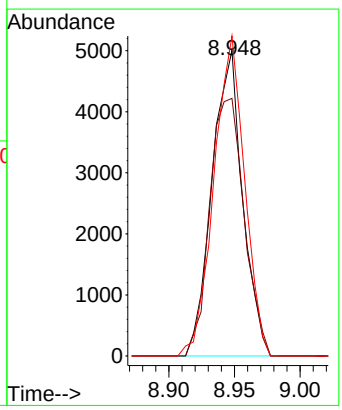
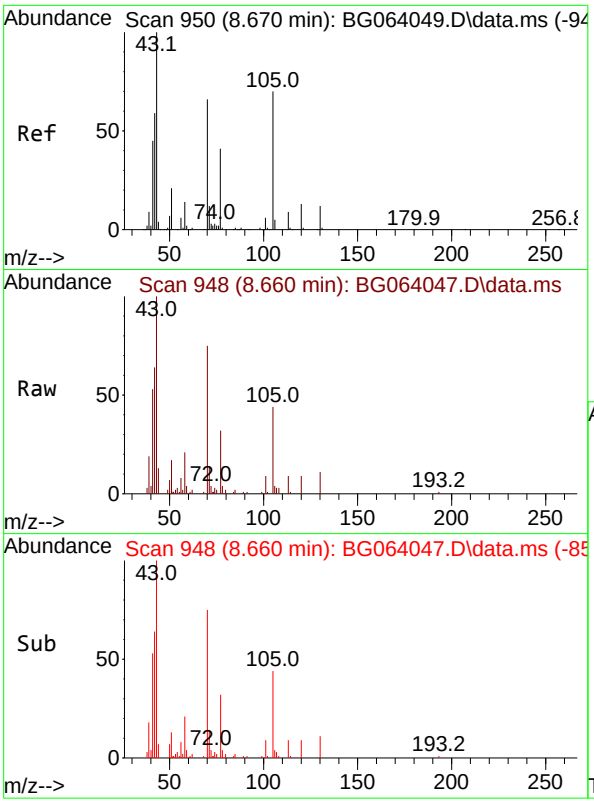


#18
Hexachloroethane
Concen: 9.583 ng
RT: 8.948 min Scan# 997
Delta R.T. 0.002 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:117 Resp: 8075

Ion	Ratio	Lower	Upper
117	100		
119	84.3	76.2	114.2
201	110.2	81.5	122.3

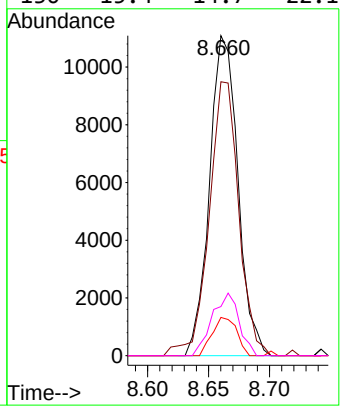




#19
n-Nitroso-di-n-propylamine
Concen: 9.461 ng
RT: 8.660 min Scan# 94
Delta R.T. -0.010 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion: 70 Resp: 1799

Ion	Ratio	Lower	Upper
70	100		
42	85.6	72.1	108.1
101	12.0	7.2	10.8
130	15.4	14.7	22.1



Instrument :
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ClientSampleId :
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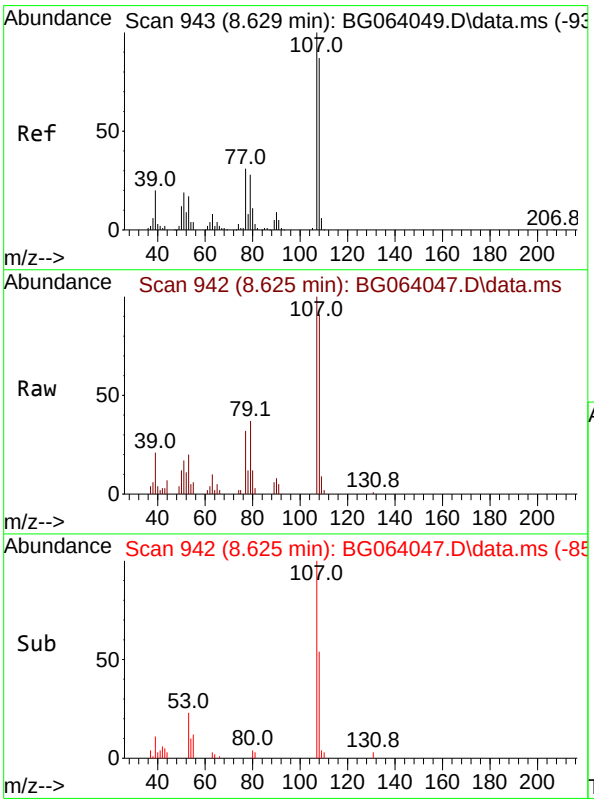
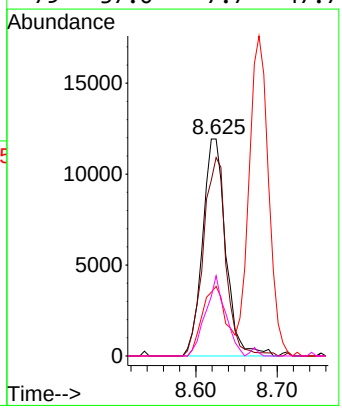
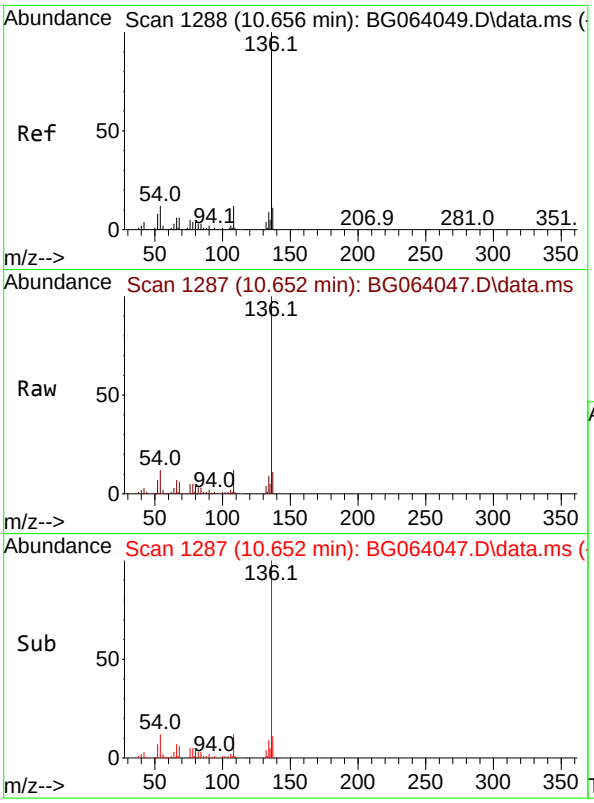


#20
3+4-Methylphenols
Concen: 9.313 ng
RT: 8.625 min Scan# 942
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:107 Resp: 23611

Ion	Ratio	Lower	Upper
107	100		
108	91.4	67.0	107.0
77	32.0	11.2	51.2
79	37.0	7.7	47.7

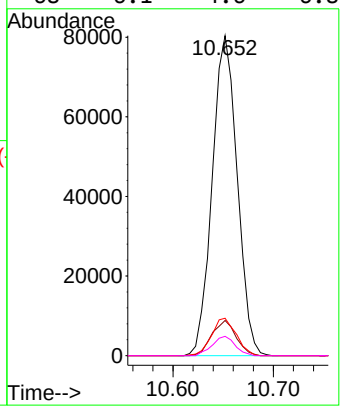




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.652 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:136 Resp: 13904

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	11.7	9.9	14.9
68	6.1	4.6	6.8



Instrument :
BNA_G
ClientSampleId :
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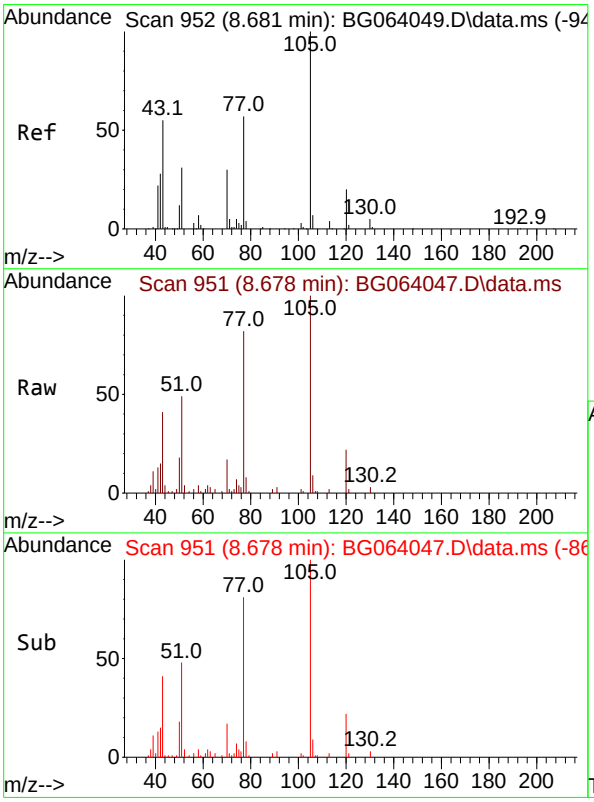
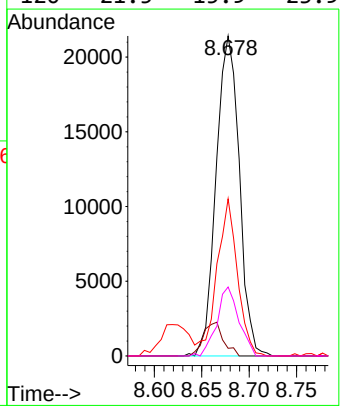
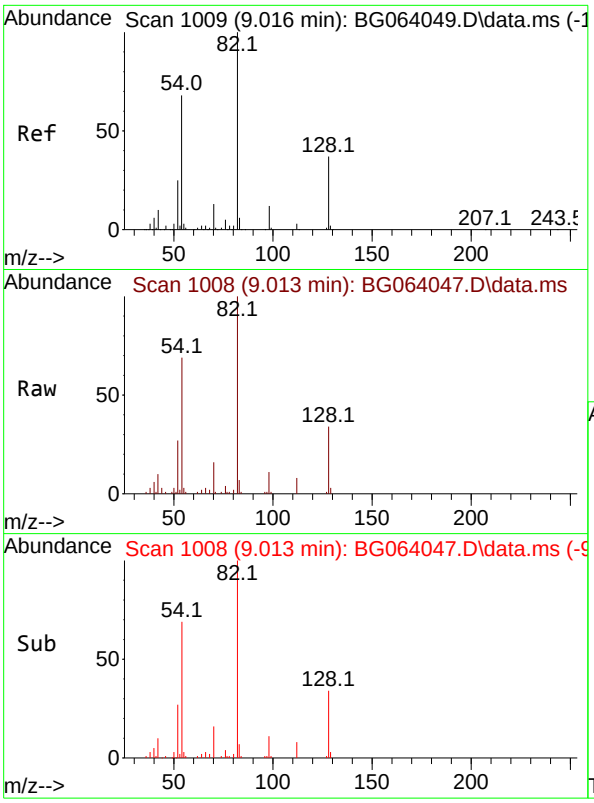


#22
Acetophenone
Concen: 9.566 ng
RT: 8.678 min Scan# 951
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:105 Resp: 36468

Ion	Ratio	Lower	Upper
105	100		
71	2.4	4.2	6.4#
51	49.1	33.3	49.9
120	21.5	15.9	23.9

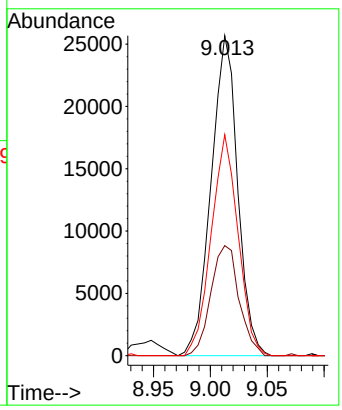




#23
Nitrobenzene-d5
Concen: 16.583 ng
RT: 9.013 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion: 82 Resp: 4172

Ion	Ratio	Lower	Upper
82	100		
128	34.4	30.0	45.0
54	69.0	54.7	82.1



Instrument :
BNA_G
ClientSampleId :
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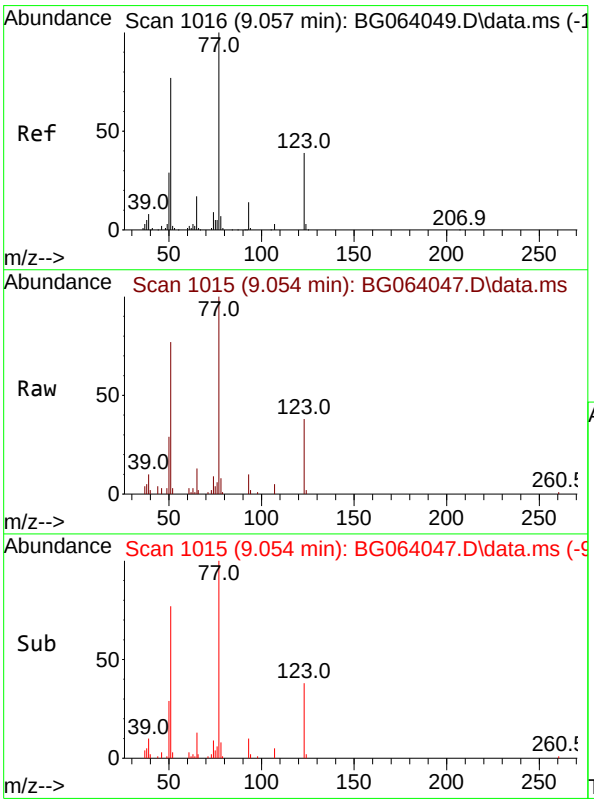
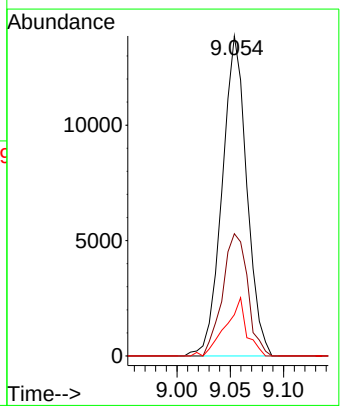
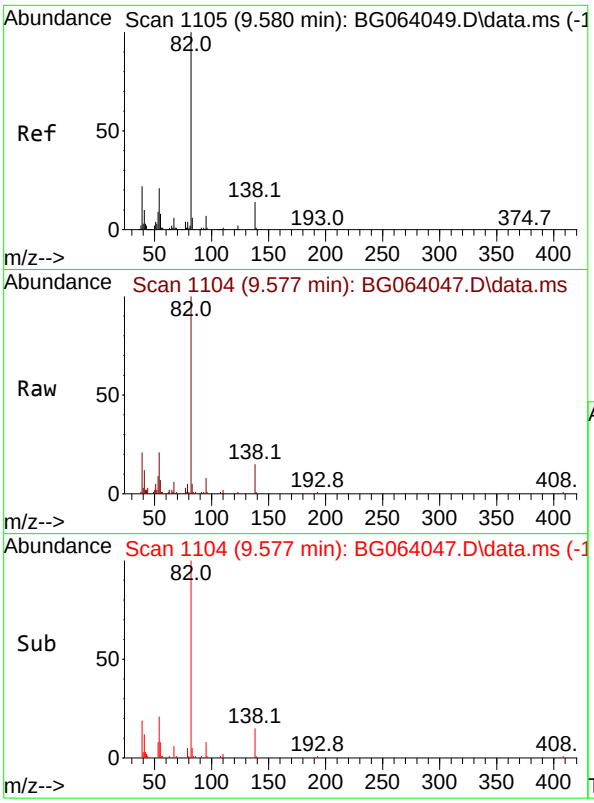


#24
Nitrobenzene
Concen: 8.554 ng
RT: 9.054 min Scan# 1015
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion: 77 Resp: 22242

Ion	Ratio	Lower	Upper
77	100		
123	38.2	31.4	47.2
65	12.9	13.4	20.0#

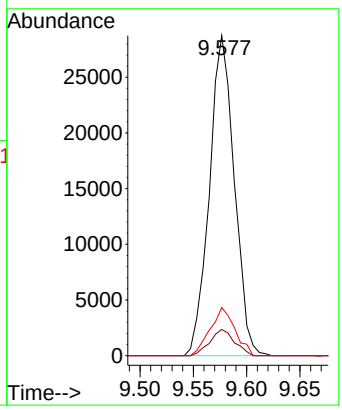




#25
Isophorone
Concen: 9.284 ng
RT: 9.577 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion: 82 Resp: 4675

Ion	Ratio	Lower	Upper
82	100		
95	8.2	5.8	8.8
138	15.1	10.9	16.3



Instrument :
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ClientSampleId :
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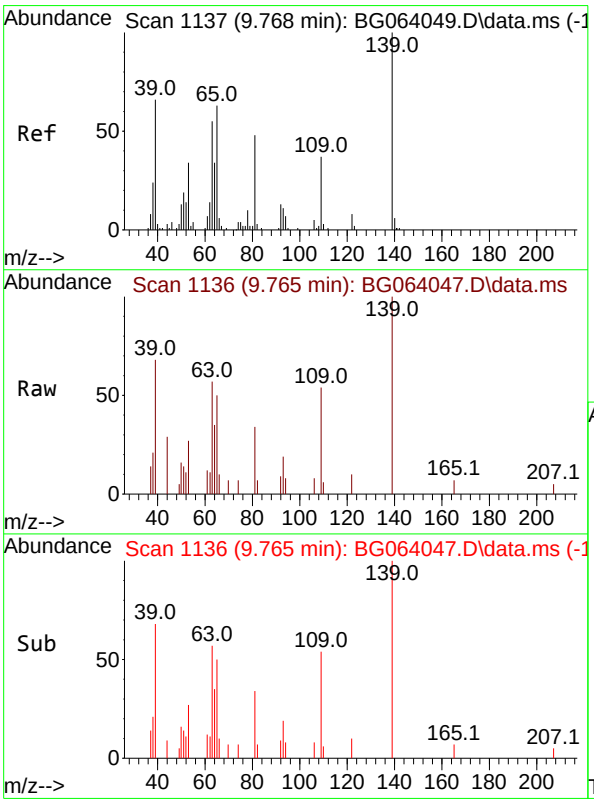
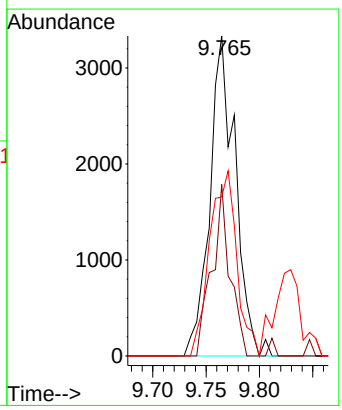
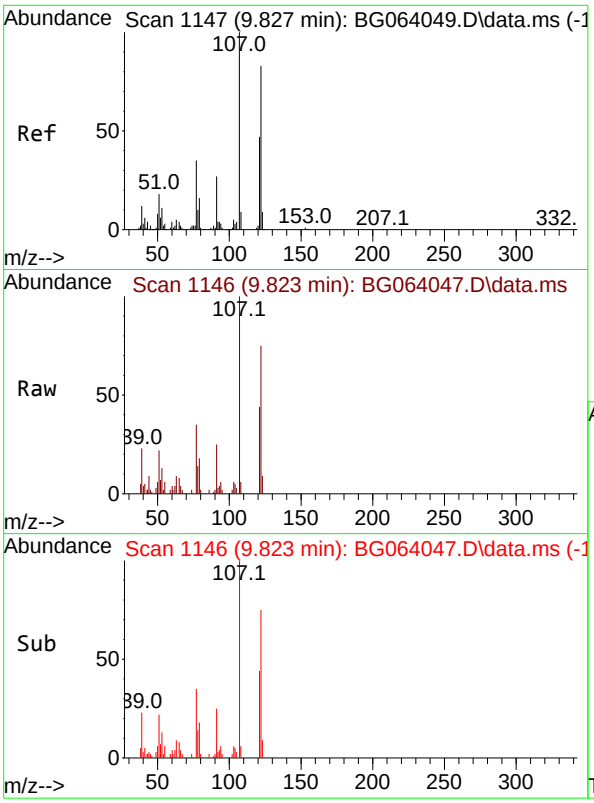


#26
2-Nitrophenol
Concen: 9.891 ng
RT: 9.765 min Scan# 1136
Delta R.T. -0.003 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:139 Resp: 5521

Ion	Ratio	Lower	Upper
139	100		
109	53.6	29.9	44.9#
65	49.7	50.6	76.0#

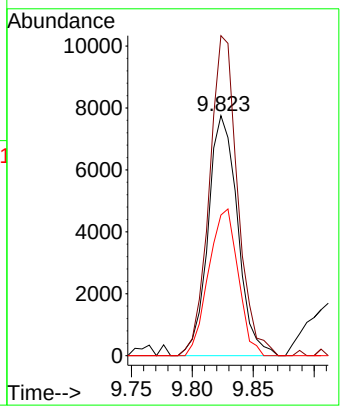




#27
2,4-Dimethylphenol
Concen: 8.631 ng
RT: 9.823 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:122 Resp: 1303

Ion	Ratio	Lower	Upper
122	100		
107	133.3	95.4	143.0
121	58.6	44.9	67.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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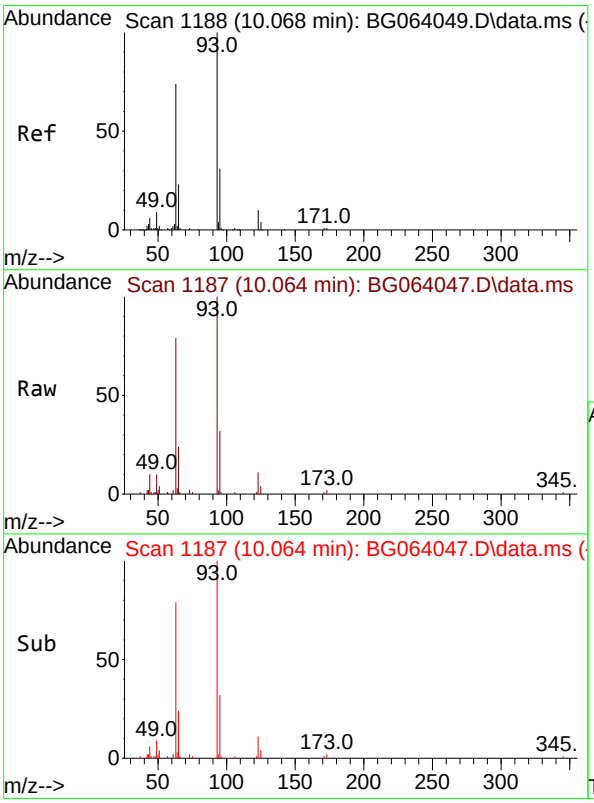
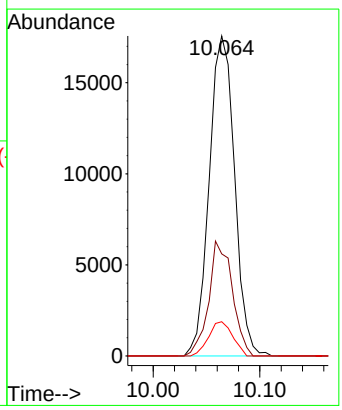
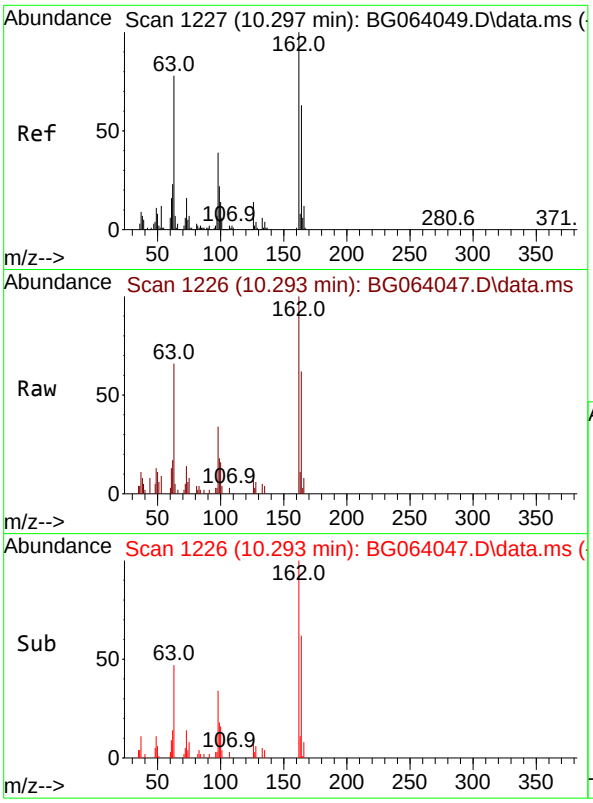


#28
bis(2-Chloroethoxy)methane
Concen: 9.488 ng
RT: 10.064 min Scan# 1187
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion: 93 Resp: 28970

Ion	Ratio	Lower	Upper
93	100		
95	31.9	25.0	37.4
123	10.7	7.6	11.4





#29
2,4-Dichlorophenol
Concen: 8.726 ng
RT: 10.293 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:162 Resp: 1663

Ion	Ratio	Lower	Upper
162	100		
164	62.3	42.8	82.8
98	33.9	19.1	59.1

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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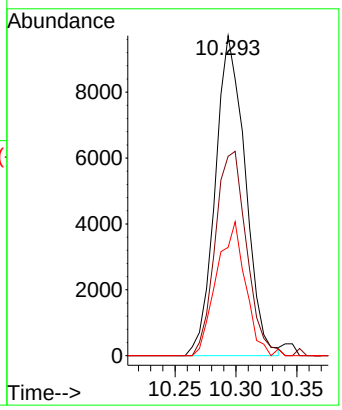
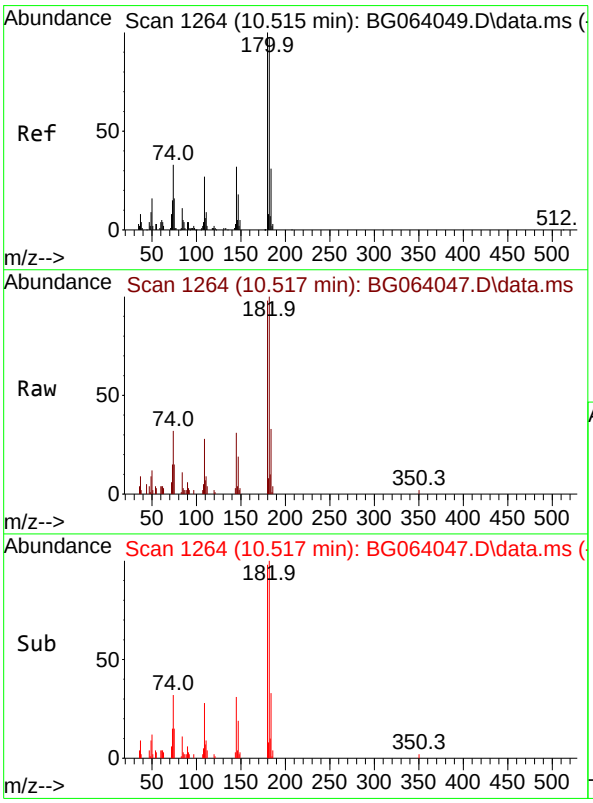
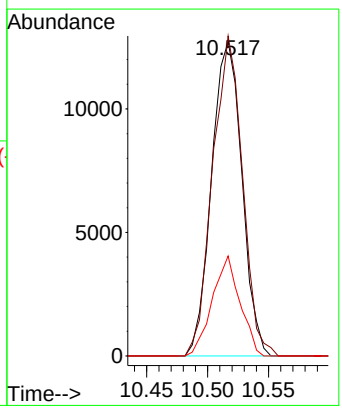


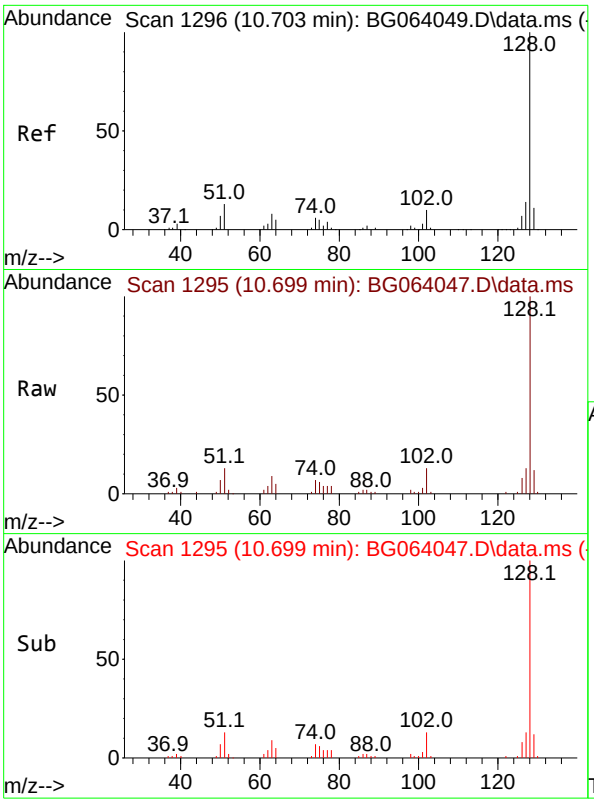


#30
1,2,4-Trichlorobenzene
Concen: 9.579 ng
RT: 10.517 min Scan# 1264
Delta R.T. 0.002 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:180 Resp: 22045

Ion	Ratio	Lower	Upper
180	100		
182	101.7	77.3	115.9
145	31.8	25.2	37.8

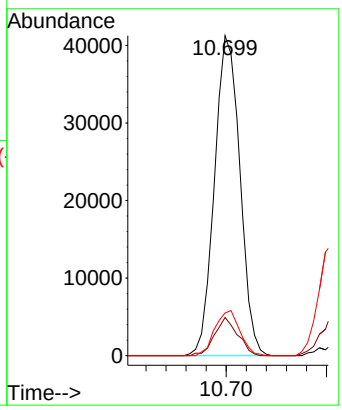




#31
Naphthalene
Concen: 9.669 ng
RT: 10.699 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:128 Resp: 7249

Ion	Ratio	Lower	Upper
128	100		
129	11.9	8.4	12.6
127	13.4	11.1	16.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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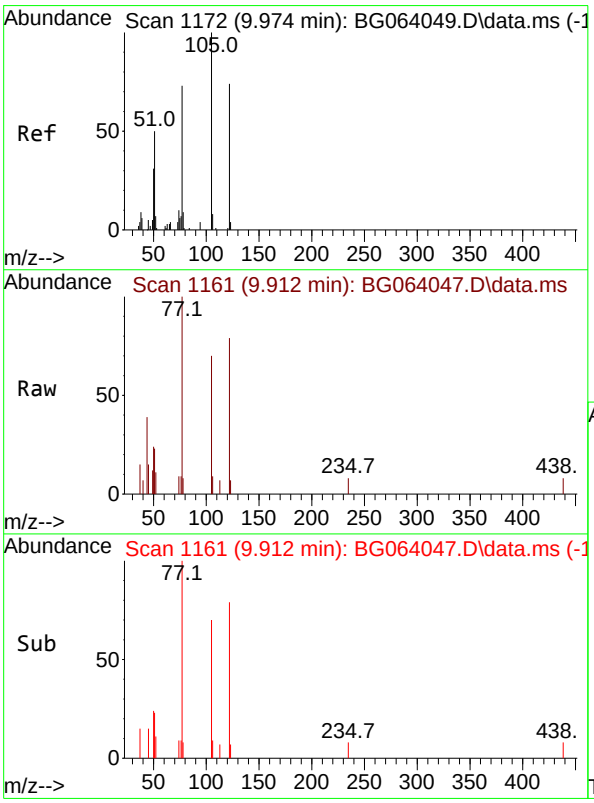
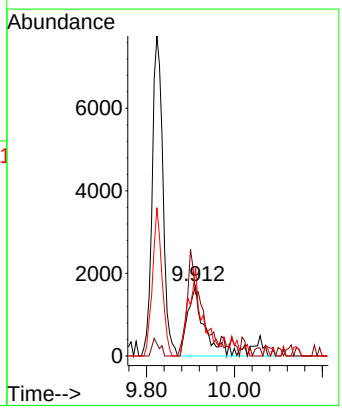
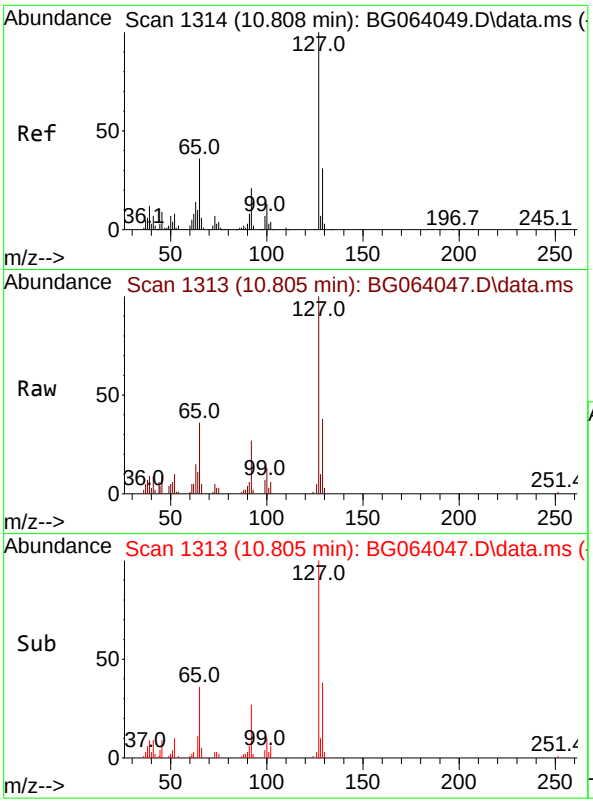


#32
Benzoic acid
Concen: 11.884 ng m
RT: 9.912 min Scan# 1161
Delta R.T. -0.062 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:122 Resp: 5442

Ion	Ratio	Lower	Upper
122	100		
105	88.5	115.0	155.0#
77	126.7	80.9	120.9#

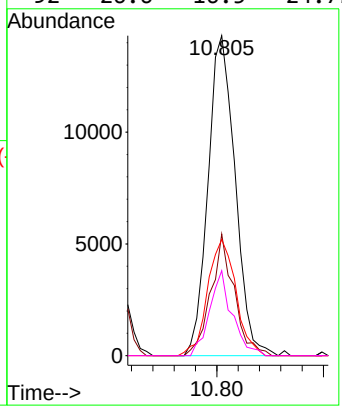




#33
4-Chloroaniline
Concen: 9.226 ng
RT: 10.805 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:127 Resp: 2528

Ion	Ratio	Lower	Upper
127	100		
129	38.0	25.0	37.4#
65	36.3	28.5	42.7
92	26.6	16.5	24.7#



Instrument :
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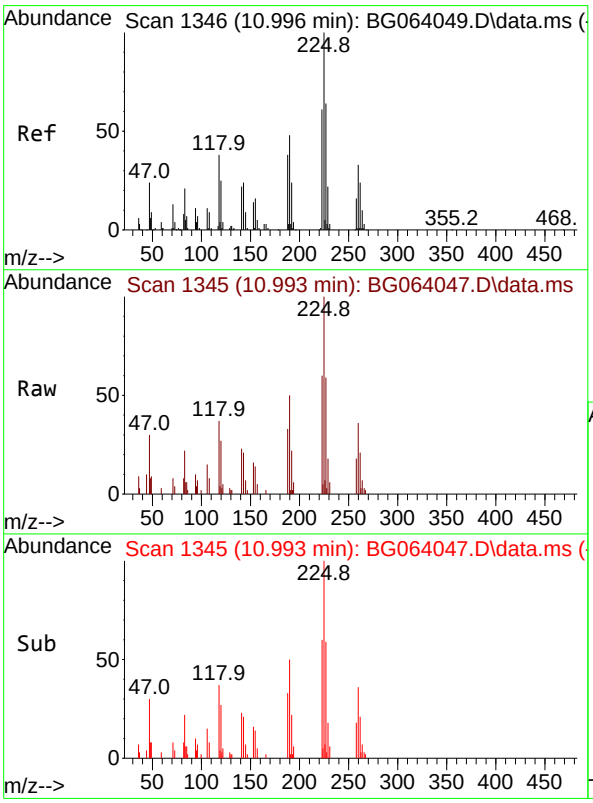
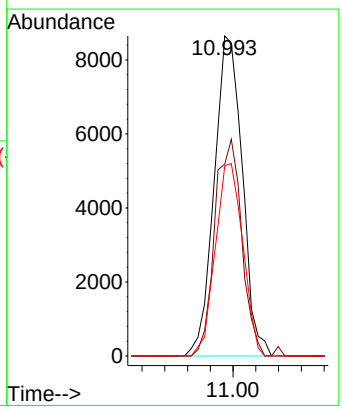
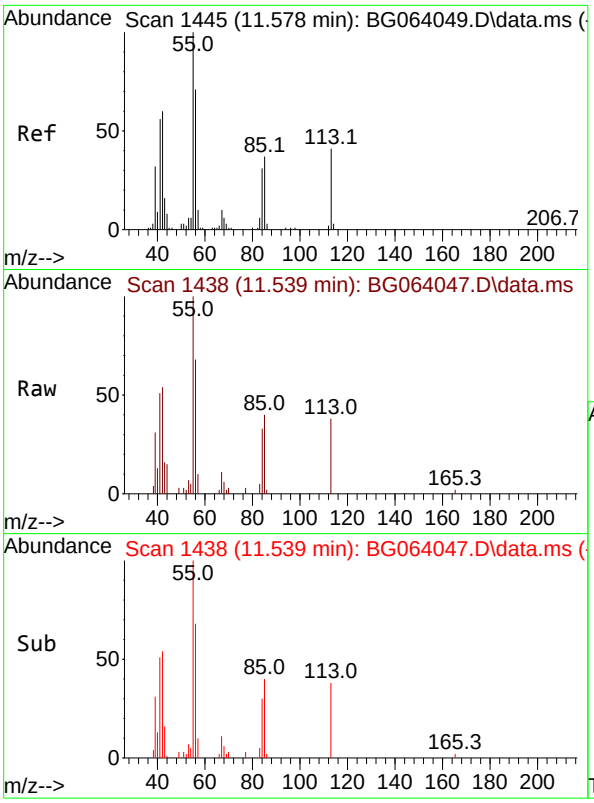


#34
Hexachlorobutadiene
Concen: 9.830 ng
RT: 10.993 min Scan# 1345
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:225 Resp: 14828

Ion	Ratio	Lower	Upper
225	100		
223	60.0	48.5	72.7
227	62.9	51.0	76.6

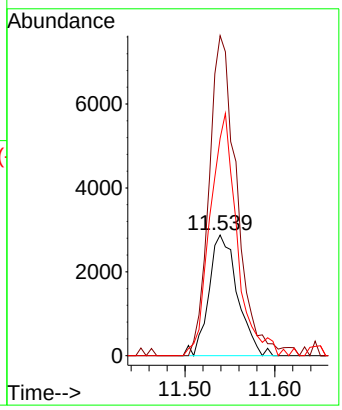




#35
Caprolactam
Concen: 8.702 ng
RT: 11.539 min Scan# 14
Delta R.T. -0.039 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:113 Resp: 635

Ion	Ratio	Lower	Upper
113	100		
55	265.4	225.2	265.2
56	180.2	153.4	193.4



Instrument :
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ClientSampleId :
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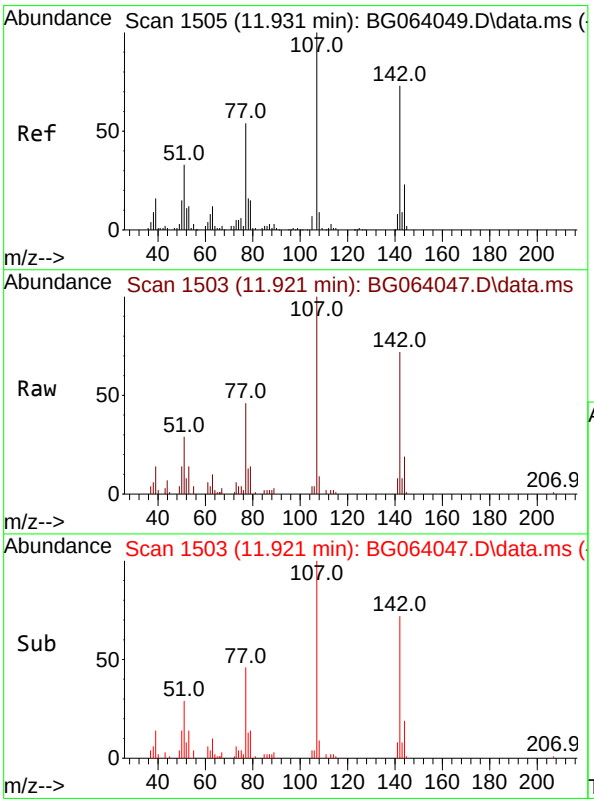
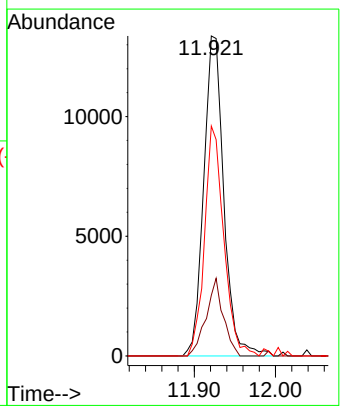
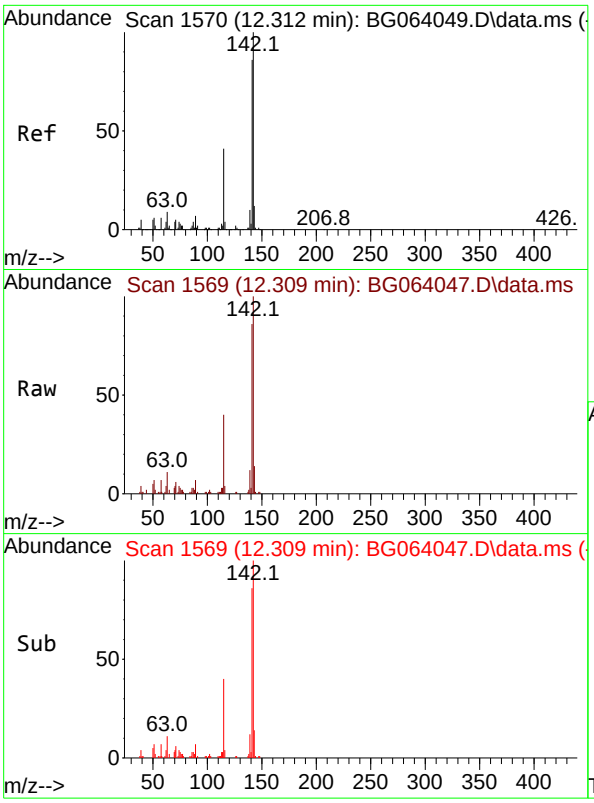


#36
4-Chloro-3-methylphenol
Concen: 9.192 ng
RT: 11.921 min Scan# 1503
Delta R.T. -0.010 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:107 Resp: 22970

Ion	Ratio	Lower	Upper
107	100		
144	19.0	18.6	28.0
142	71.8	58.0	87.0

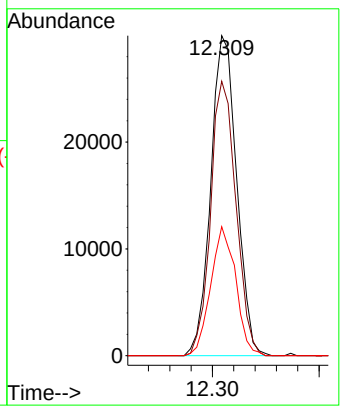




#37
2-Methylnaphthalene
Concen: 9.552 ng
RT: 12.309 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:142 Resp: 5055

Ion	Ratio	Lower	Upper
142	100		
141	85.8	68.6	103.0
115	40.3	32.8	49.2



Instrument :
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ClientSampleId :
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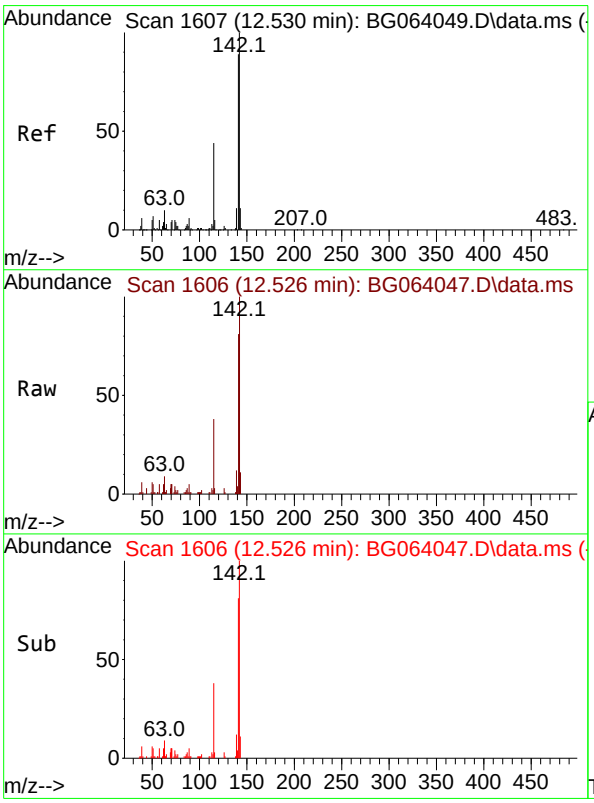
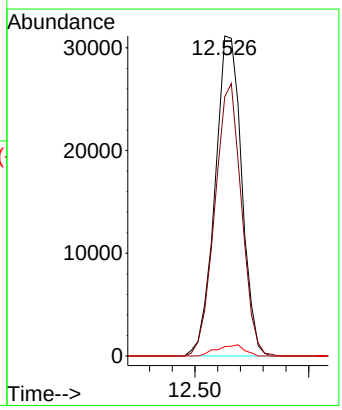
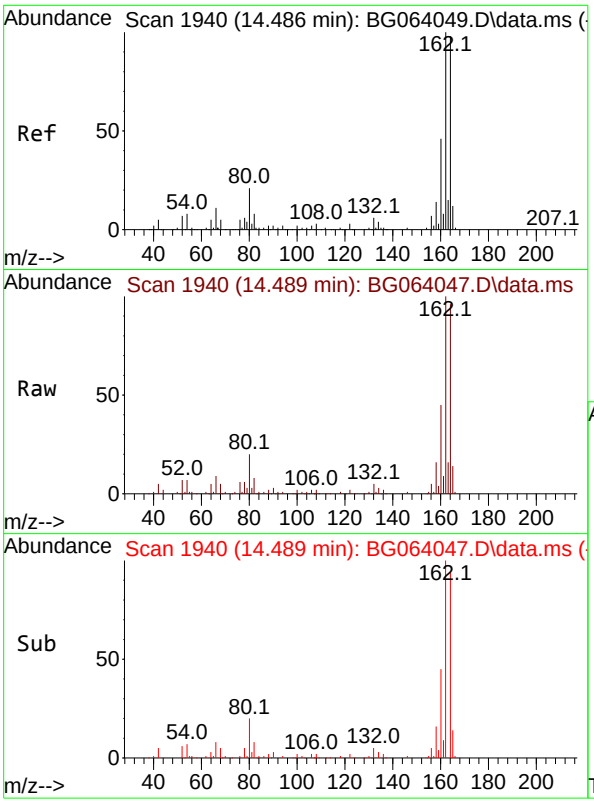


#38
1-Methylnaphthalene
Concen: 9.762 ng
RT: 12.526 min Scan# 1606
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:142 Resp: 50620

Ion	Ratio	Lower	Upper
142	100		
141	81.1	71.2	106.8
116	3.0	3.6	5.4#

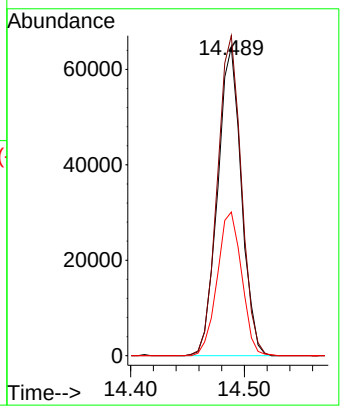




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.489 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:164 Resp: 9375

Ion	Ratio	Lower	Upper
164	100		
162	103.7	81.4	122.0
160	46.5	37.0	55.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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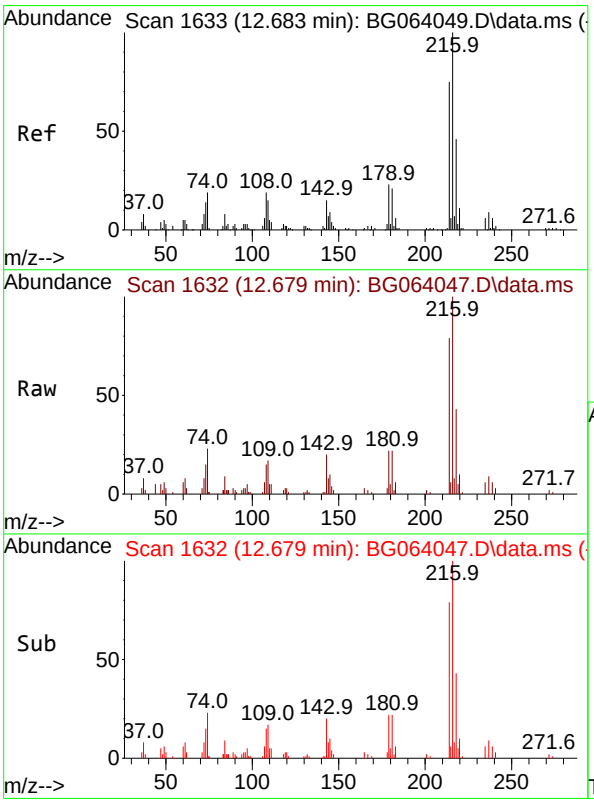
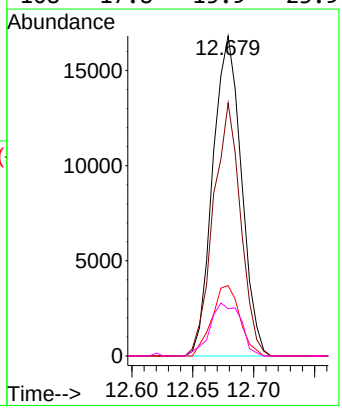
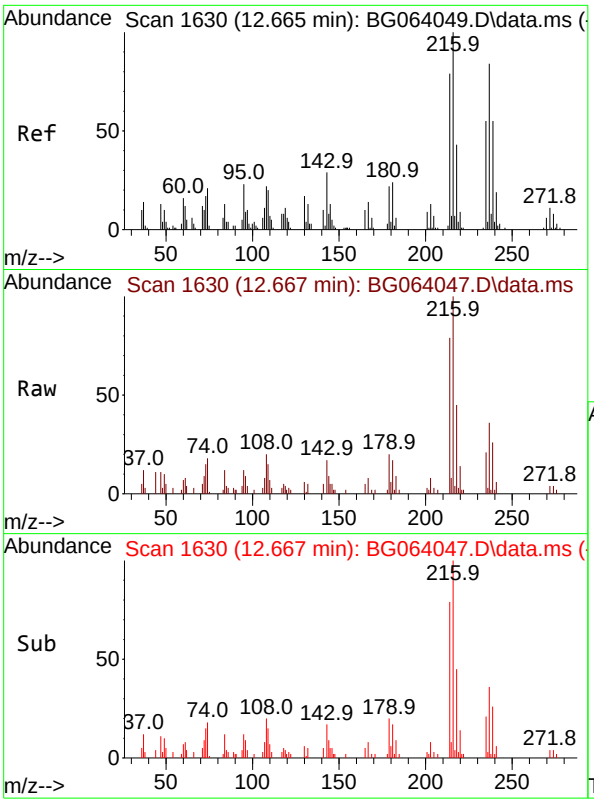


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.232 ng
RT: 12.679 min Scan# 1632
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:216 Resp: 27386

Ion	Ratio	Lower	Upper
216	100		
214	75.7	61.7	92.5
179	21.6	17.9	26.9
108	17.8	15.9	23.9

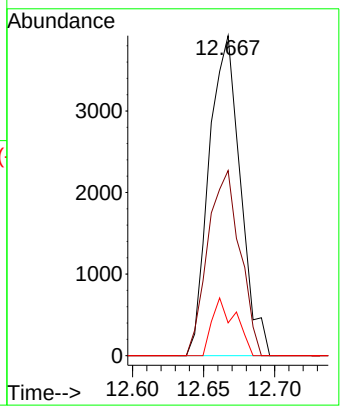




#41
Hexachlorocyclopentadiene
Concen: 7.985 ng
RT: 12.667 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:237 Resp: 601

Ion	Ratio	Lower	Upper
237	100		
235	57.9	46.0	86.0
272	10.2	0.0	32.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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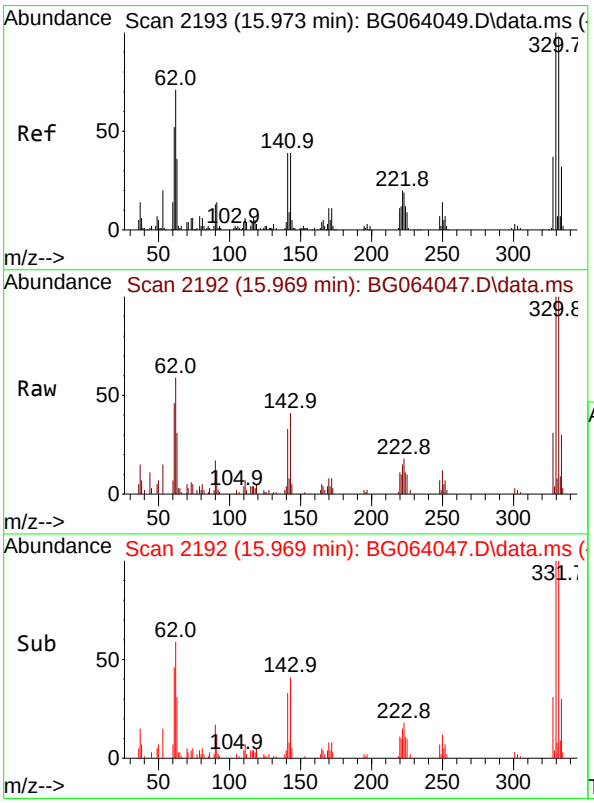
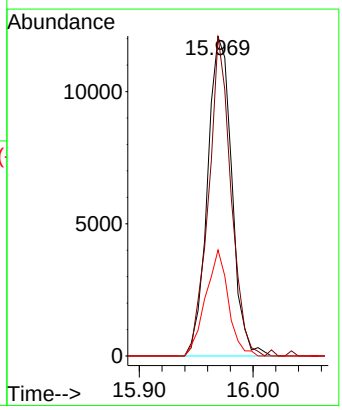
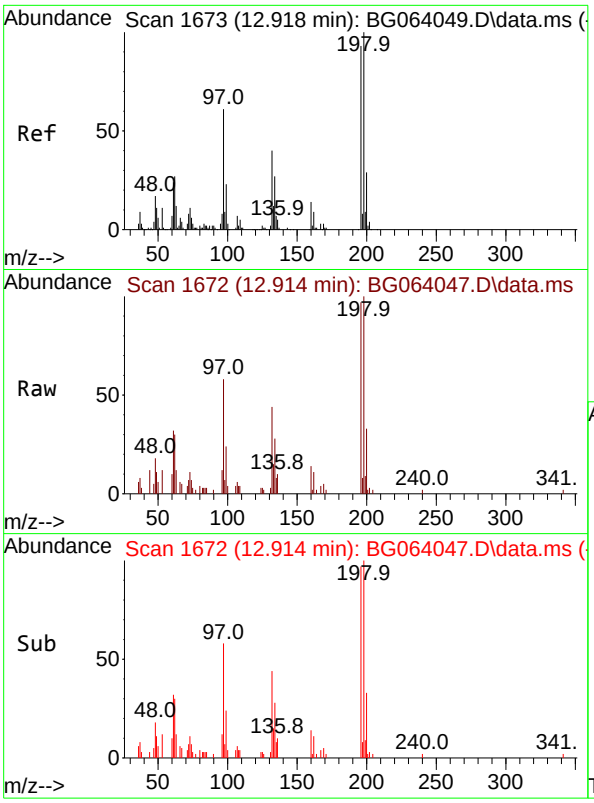


#42
2,4,6-Tribromophenol
Concen: 17.174 ng
RT: 15.969 min Scan# 2192
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:330 Resp: 17898

Ion	Ratio	Lower	Upper
330	100		
332	91.7	76.7	115.1
141	31.2	29.7	44.5

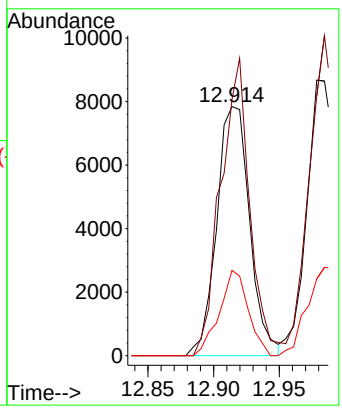




#43
2,4,6-Trichlorophenol
Concen: 8.693 ng
RT: 12.914 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:196 Resp: 1371

Ion	Ratio	Lower	Upper
196	100		
198	102.8	85.6	128.4
200	36.2	24.6	37.0



Instrument :
BNA_G
ClientSampleId :
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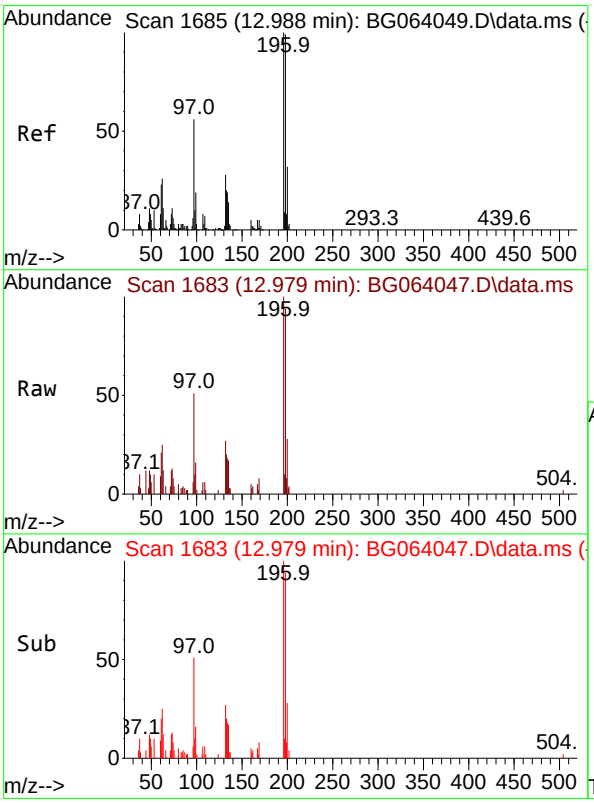
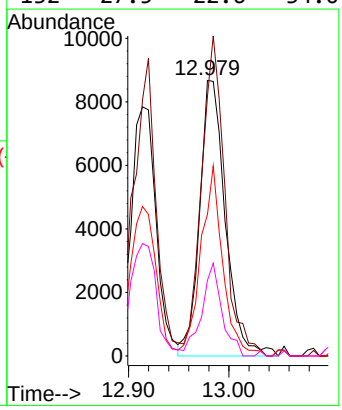
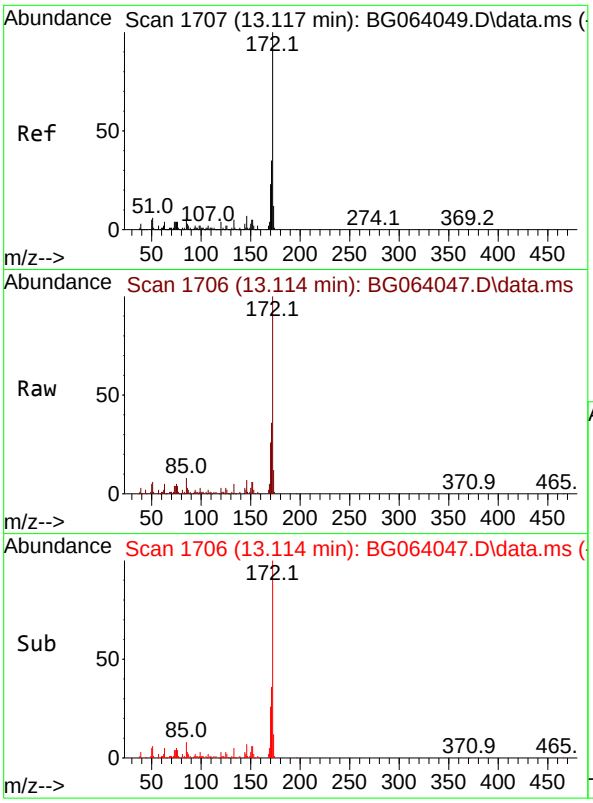


#44
2,4,5-Trichlorophenol
Concen: 8.825 ng
RT: 12.979 min Scan# 1683
Delta R.T. -0.010 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:196 Resp: 15468

Ion	Ratio	Lower	Upper
196	100		
198	94.3	79.5	119.3
97	51.4	45.2	67.8
132	27.5	22.6	34.0

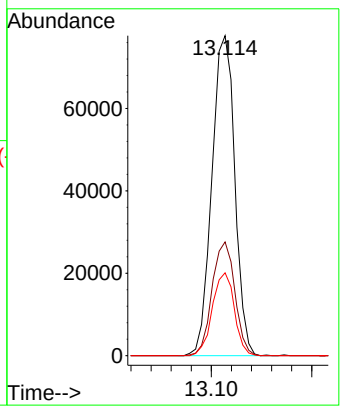




#45
2-Fluorobiphenyl
Concen: 19.881 ng
RT: 13.114 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:172 Resp: 12279

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.0	42.0
170	25.9	18.7	28.1



Instrument :
BNA_G
ClientSampleId :
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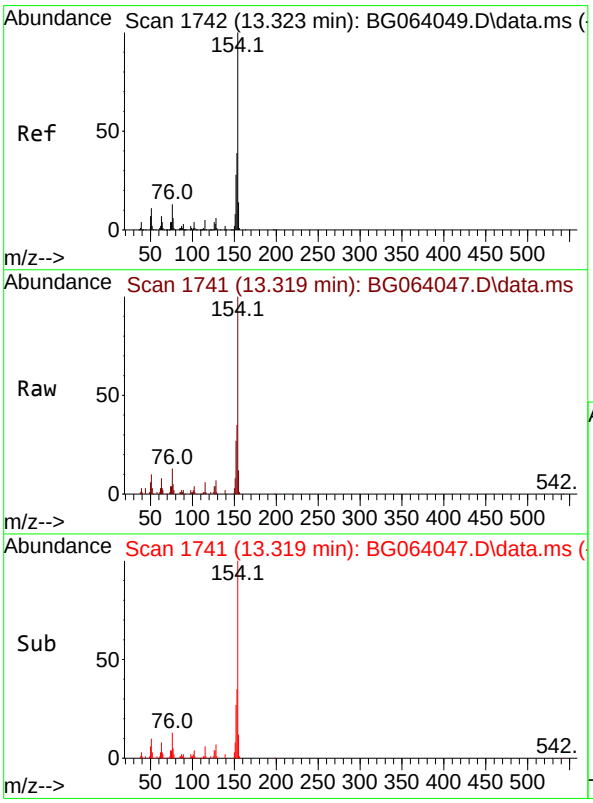
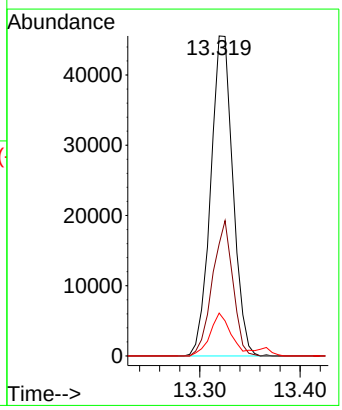
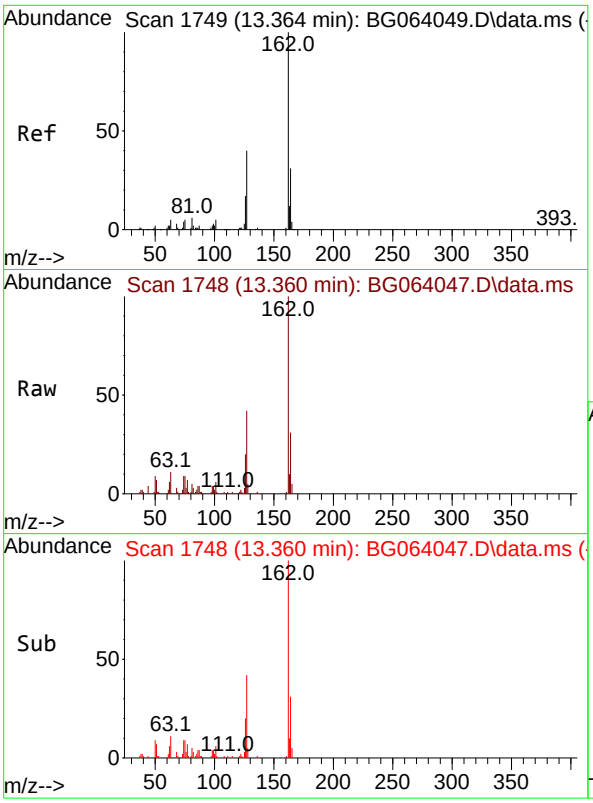


#46
1,1'-Biphenyl
Concen: 9.918 ng
RT: 13.319 min Scan# 1741
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:154 Resp: 70250

Ion	Ratio	Lower	Upper
154	100		
153	35.0	19.5	59.5
76	13.4	0.0	33.5

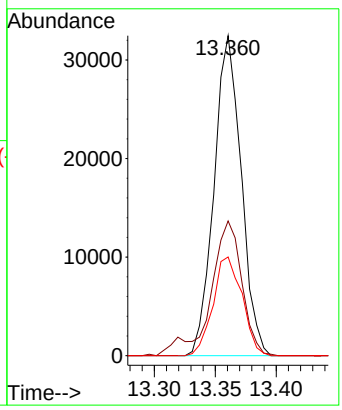




#47
2-Chloronaphthalene
Concen: 9.755 ng
RT: 13.360 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:162 Resp: 5039

Ion	Ratio	Lower	Upper
162	100		
127	42.1	35.0	52.4
164	30.8	25.0	37.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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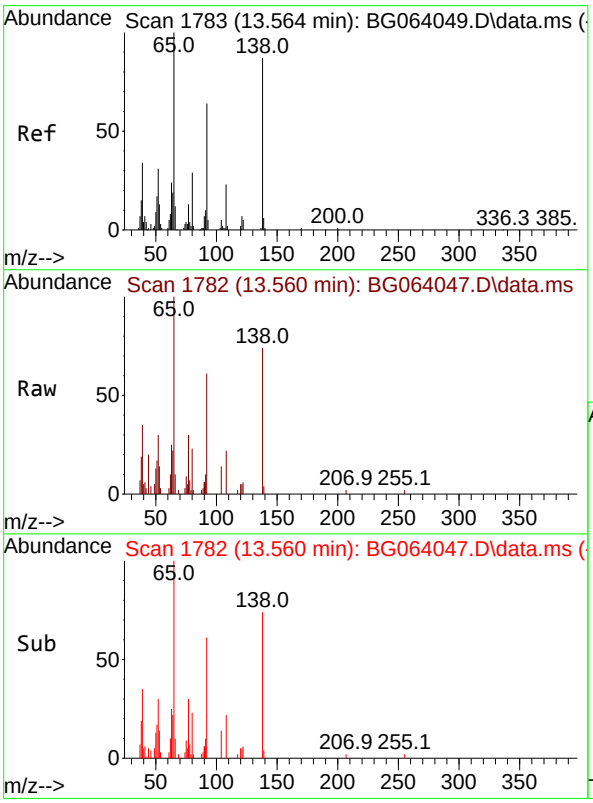
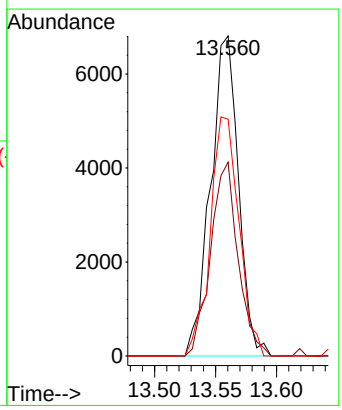
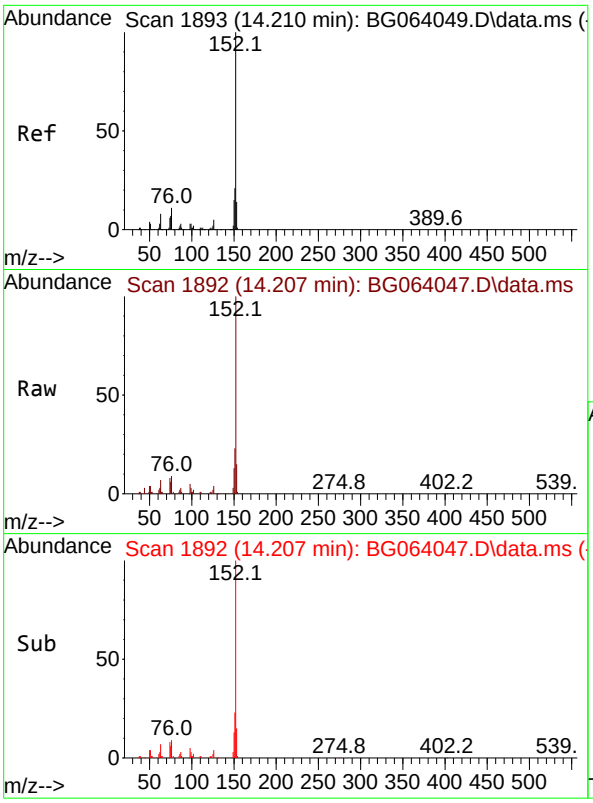


#48
2-Nitroaniline
Concen: 9.850 ng
RT: 13.560 min Scan# 1782
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion: 65 Resp: 10834

Ion	Ratio	Lower	Upper
65	100		
92	60.6	51.2	76.8
138	74.0	69.4	104.2

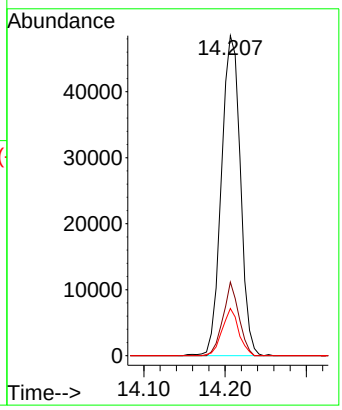




#49
Acenaphthylene
Concen: 9.621 ng
RT: 14.207 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:152 Resp: 7861

Ion	Ratio	Lower	Upper
152	100		
151	23.0	16.4	24.6
153	14.8	10.9	16.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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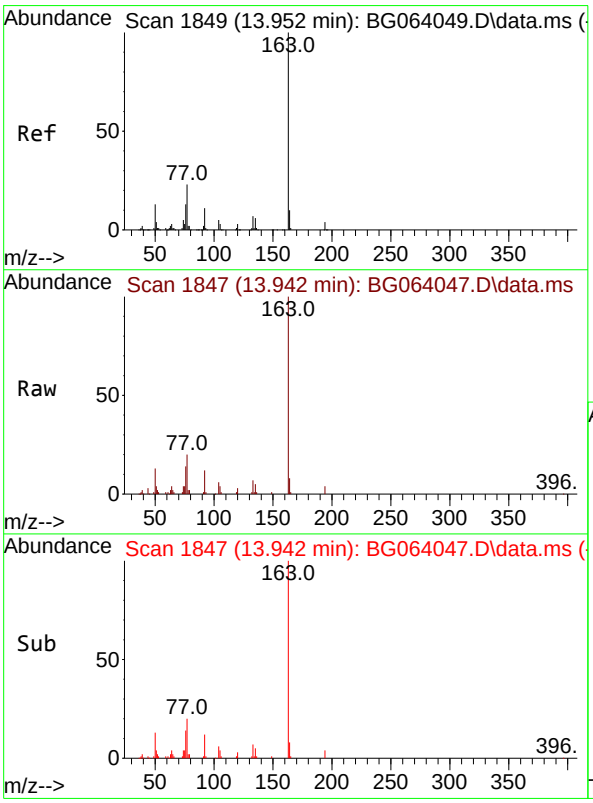
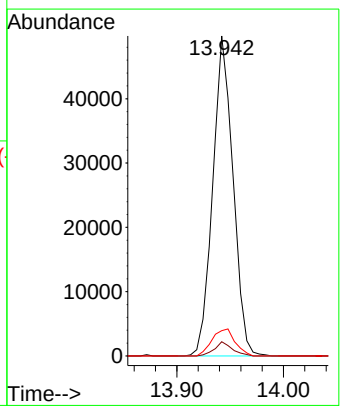
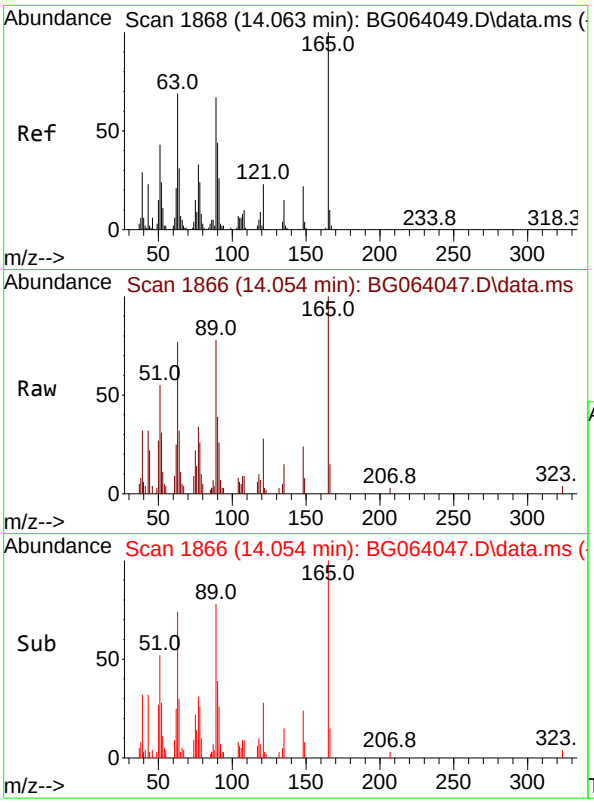


#50
Dimethylphthalate
Concen: 9.487 ng
RT: 13.942 min Scan# 1847
Delta R.T. -0.010 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:163 Resp: 65659

Ion	Ratio	Lower	Upper
163	100		
194	4.5	2.8	4.2#
164	7.9	8.2	12.2#

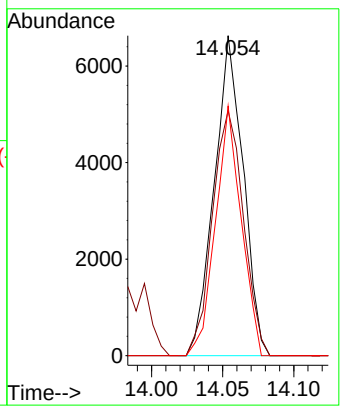




#51
2,6-Dinitrotoluene
Concen: 9.566 ng
RT: 14.054 min Scan# 1
Delta R.T. -0.009 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:165 Resp: 937

Ion	Ratio	Lower	Upper
165	100		
63	76.6	56.7	85.1
89	78.0	53.7	80.5



Instrument :
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ClientSampleId :
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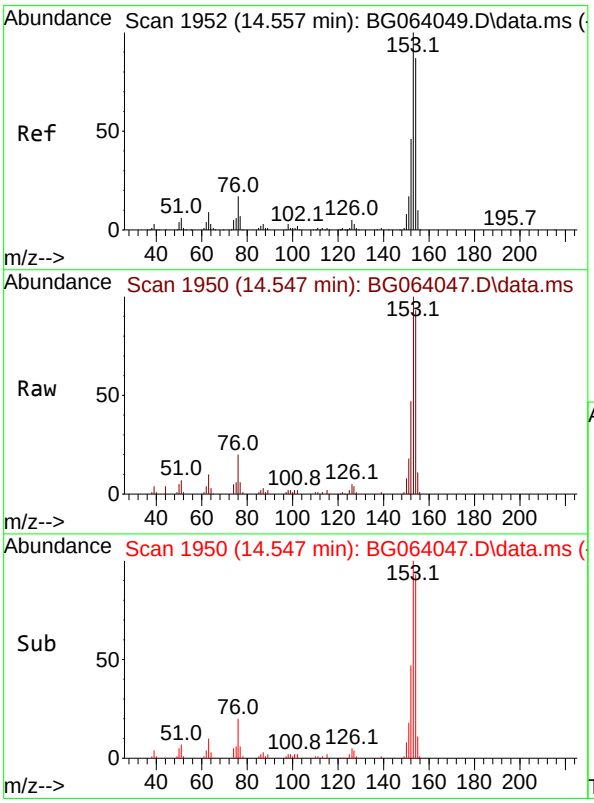
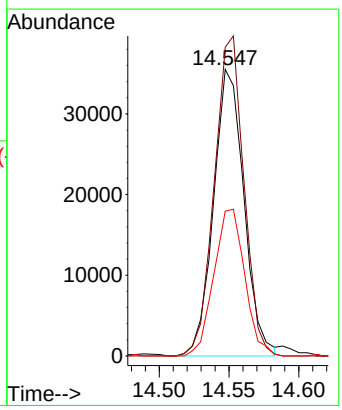
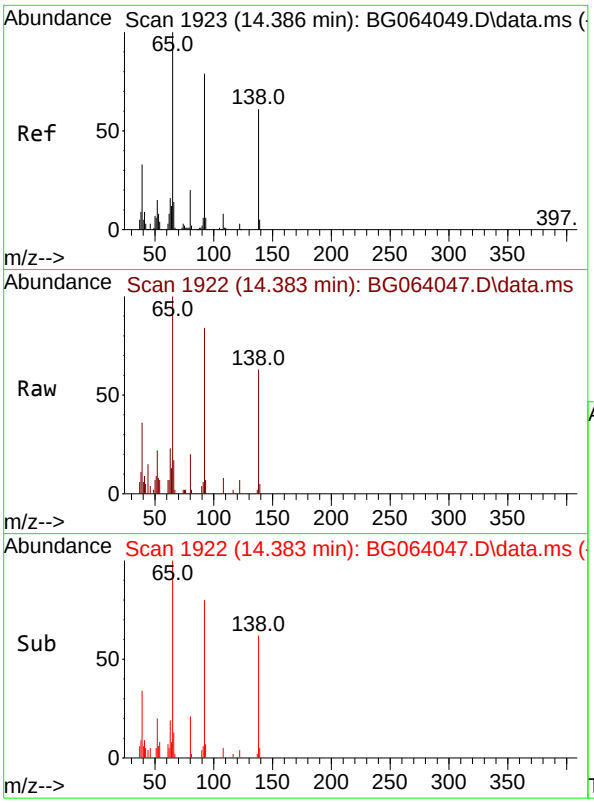


#52
Acenaphthene
Concen: 9.797 ng m
RT: 14.547 min Scan# 1950
Delta R.T. -0.010 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:154 Resp: 53833

Ion	Ratio	Lower	Upper
154	100		
153	107.8	91.6	137.4
152	50.6	42.5	63.7





#53
3-Nitroaniline
Concen: 7.997 ng
RT: 14.383 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:138 Resp: 1069

Ion	Ratio	Lower	Upper
138	100		
108	12.3	10.1	15.1
92	132.5	104.1	156.1

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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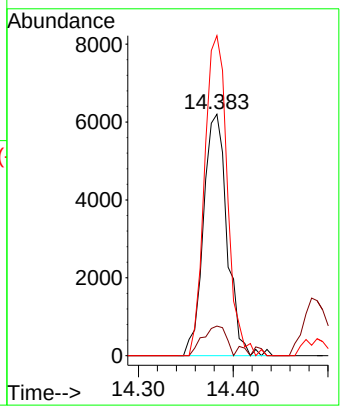
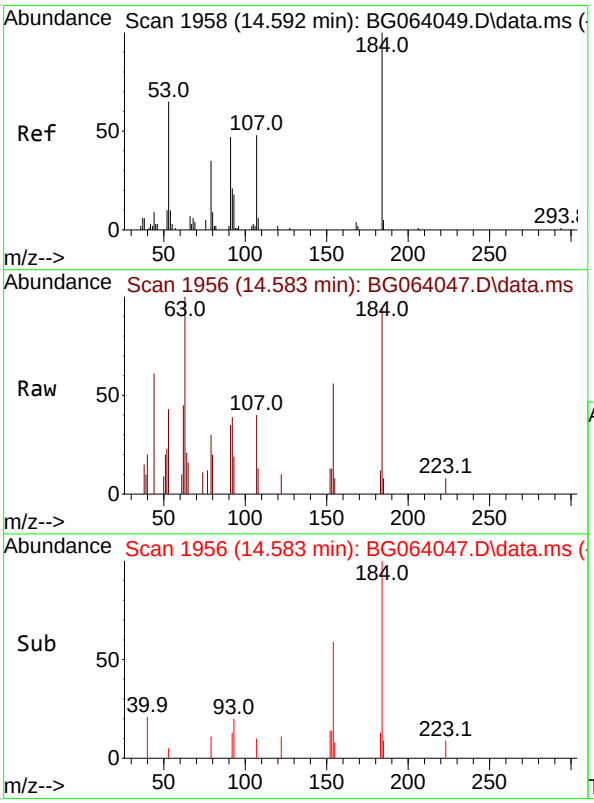
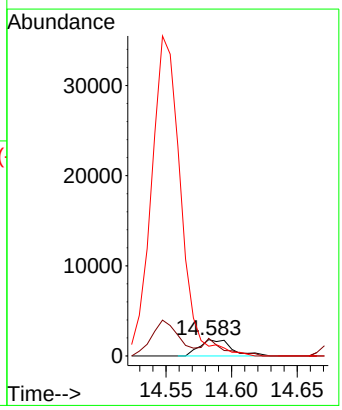


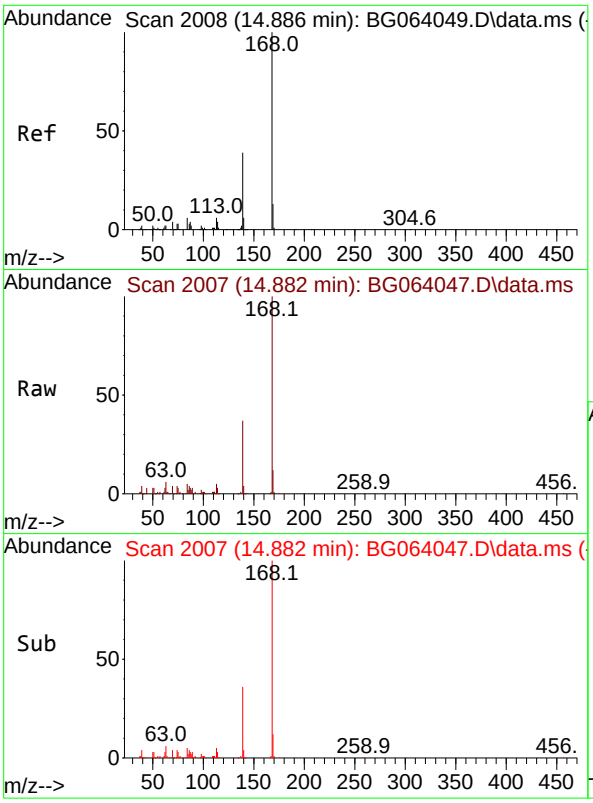


#54
2,4-Dinitrophenol
Concen: 12.640 ng
RT: 14.583 min Scan# 1956
Delta R.T. -0.009 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:184 Resp: 3090

Ion	Ratio	Lower	Upper
184	100		
63	106.9	57.5	86.3#
154	59.5	52.3	78.5

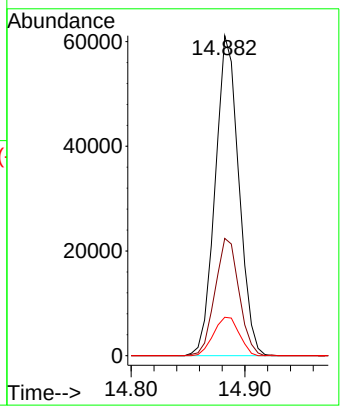




#55
Dibenzofuran
Concen: 9.924 ng
RT: 14.882 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:168 Resp: 8816

Ion	Ratio	Lower	Upper
168	100		
139	36.7	31.1	46.7
169	12.0	10.5	15.7



Instrument :
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ClientSampleId :
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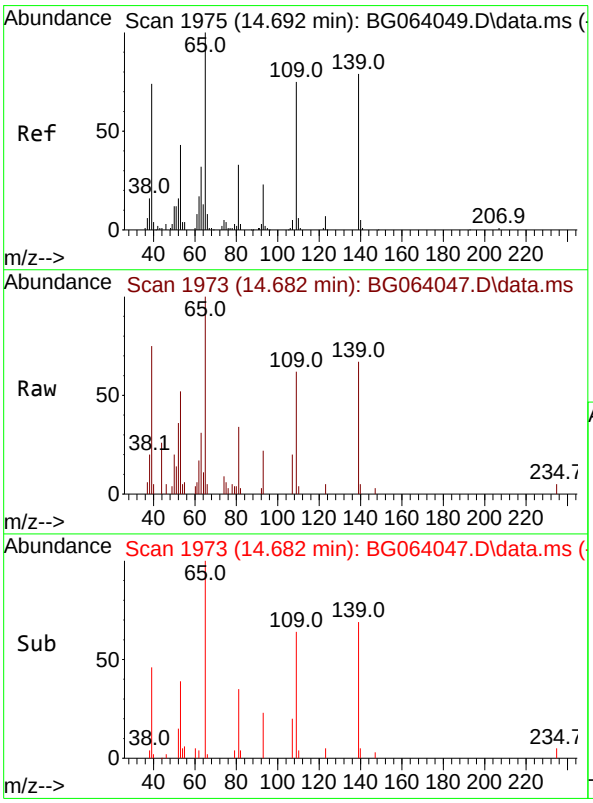
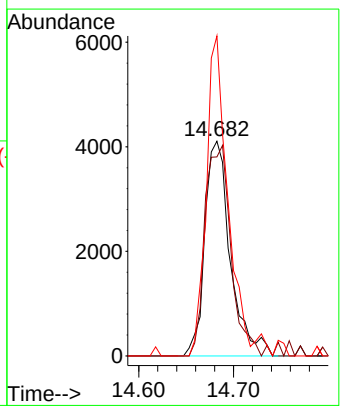
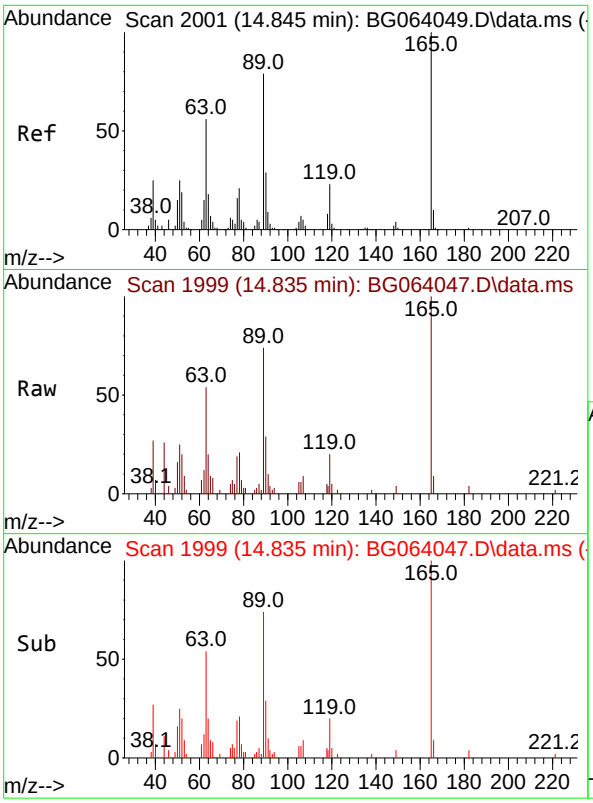


#56
4-Nitrophenol
Concen: 6.849 ng
RT: 14.682 min Scan# 1973
Delta R.T. -0.010 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:139 Resp: 7683

Ion	Ratio	Lower	Upper
139	100		
109	92.7	74.9	114.9
65	149.0	106.8	146.8#

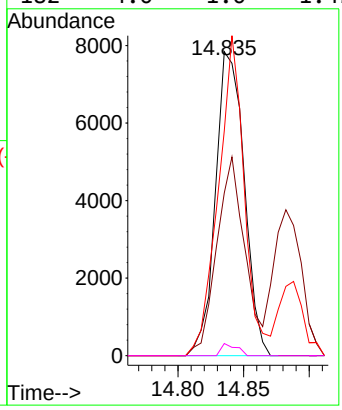




#57
2,4-Dinitrotoluene
Concen: 9.344 ng
RT: 14.835 min Scan# 1
Delta R.T. -0.010 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:165 Resp: 1194

Ion	Ratio	Lower	Upper
165	100		
63	53.5	45.0	67.6
89	74.0	63.1	94.7
182	4.0	1.0	1.4#



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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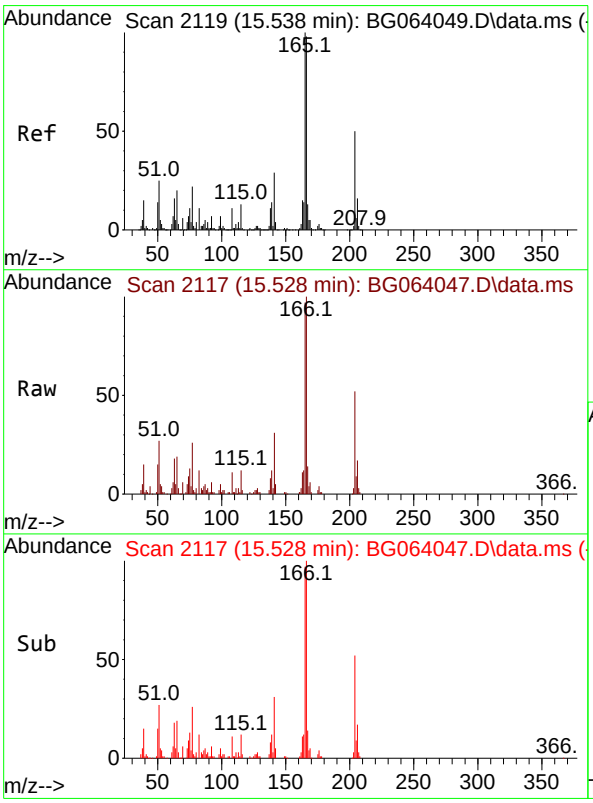
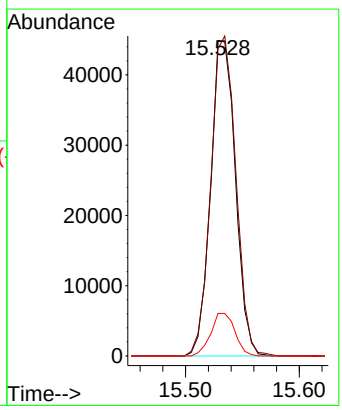
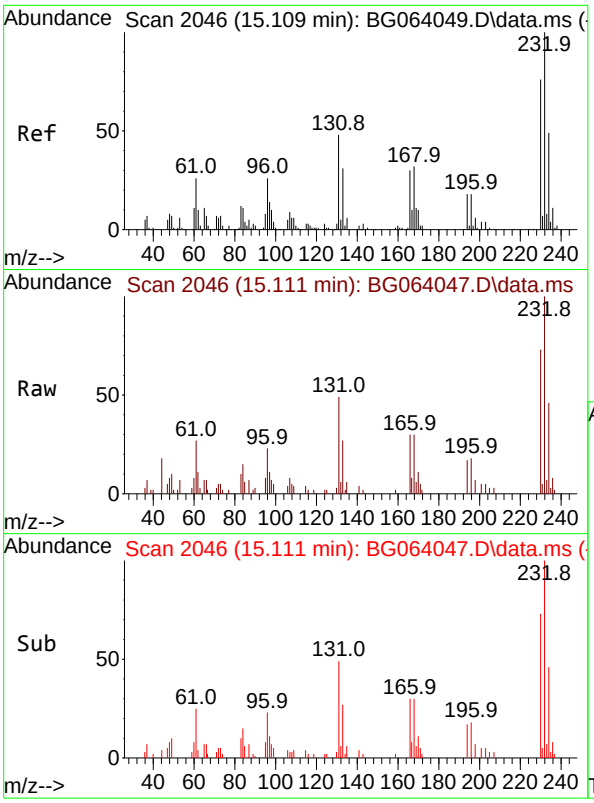


#58
Fluorene
Concen: 9.821 ng
RT: 15.528 min Scan# 2117
Delta R.T. -0.010 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:166 Resp: 67954

Ion	Ratio	Lower	Upper
166	100		
165	97.4	81.8	122.8
167	13.5	10.8	16.2

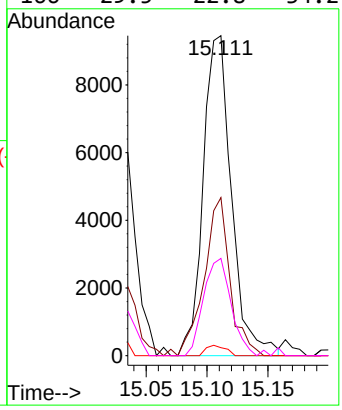




#59
2,3,4,6-Tetrachlorophenol
Concen: 8.943 ng
RT: 15.111 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:232 Resp: 1528

Ion	Ratio	Lower	Upper
232	100		
131	45.2	36.3	54.5
130	2.2	1.9	2.9
166	29.5	22.8	34.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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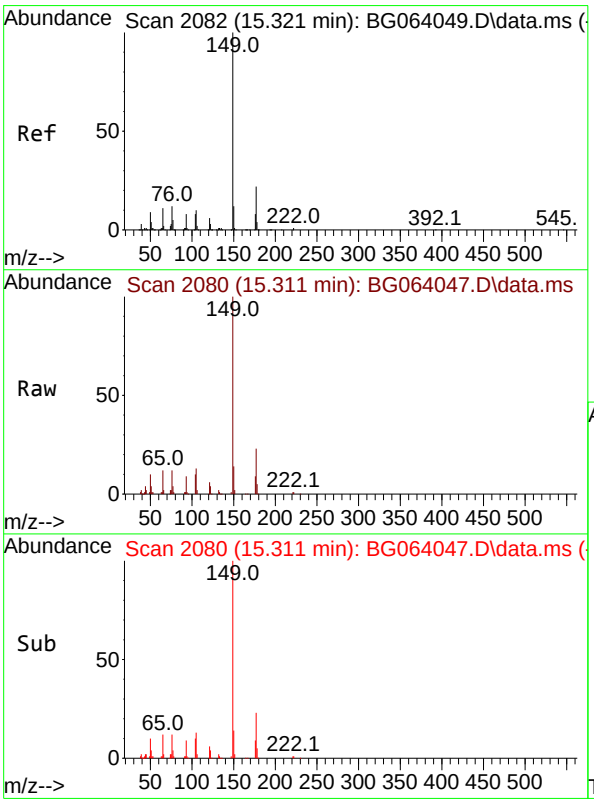
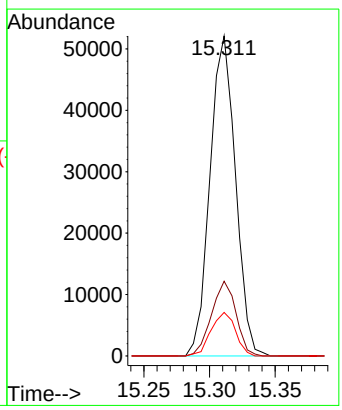
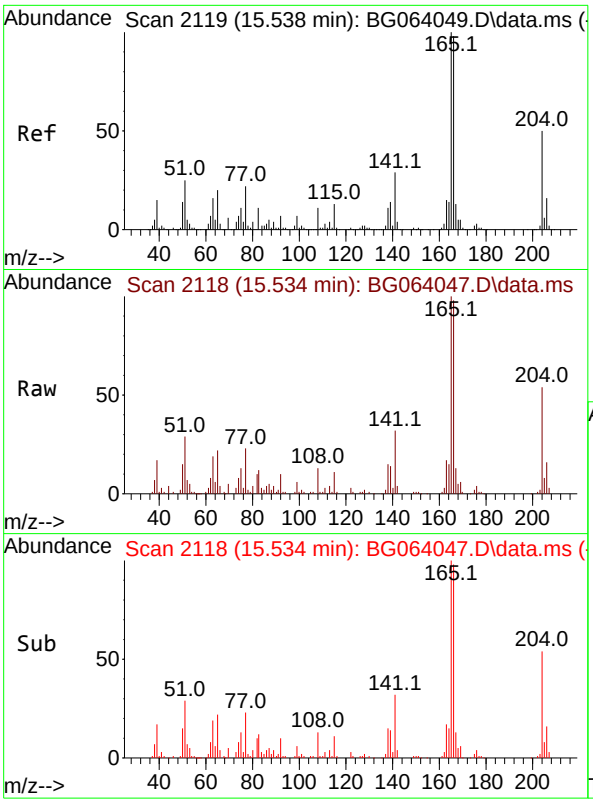


#60
Diethylphthalate
Concen: 9.363 ng
RT: 15.311 min Scan# 2080
Delta R.T. -0.010 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:149 Resp: 70346

Ion	Ratio	Lower	Upper
149	100		
177	23.4	17.4	26.2
150	13.6	9.4	14.2

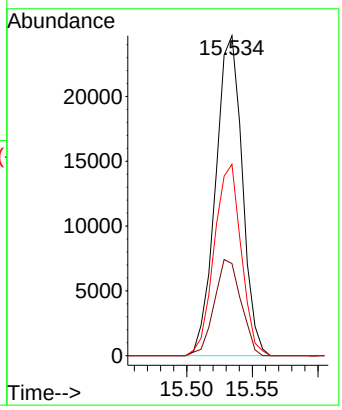




#61
4-Chlorophenyl-phenylether
Concen: 10.139 ng
RT: 15.534 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:204 Resp: 3486

Ion	Ratio	Lower	Upper
204	100		
206	28.8	25.5	38.3
141	59.8	45.4	68.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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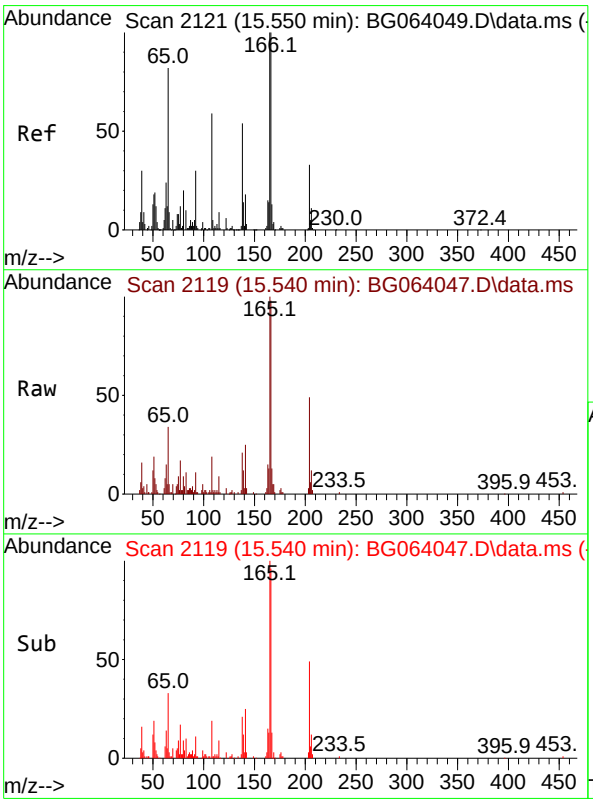
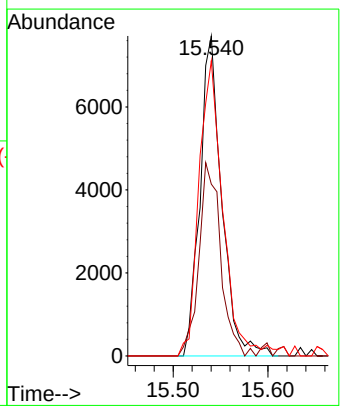
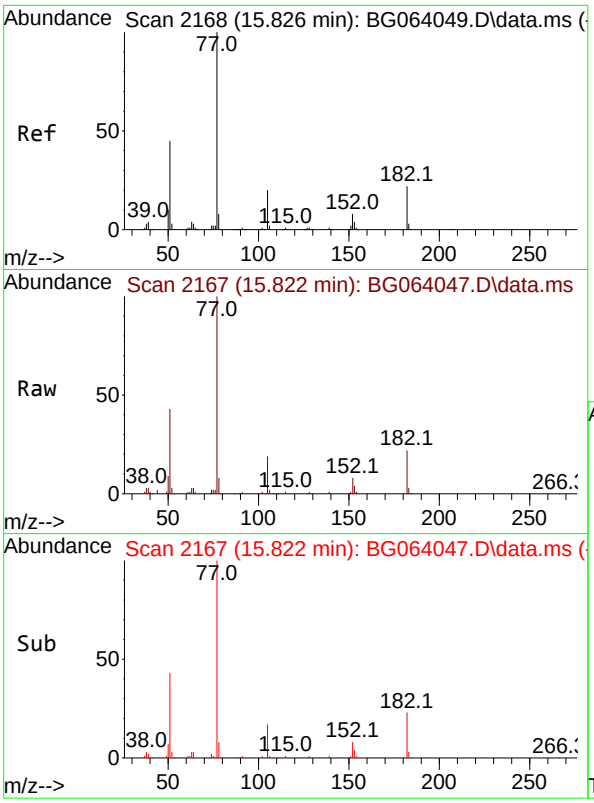


#62
4-Nitroaniline
Concen: 8.534 ng
RT: 15.540 min Scan# 2119
Delta R.T. -0.010 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:138 Resp: 12324

Ion	Ratio	Lower	Upper
138	100		
92	53.7	36.1	76.1
108	92.2	87.9	127.9

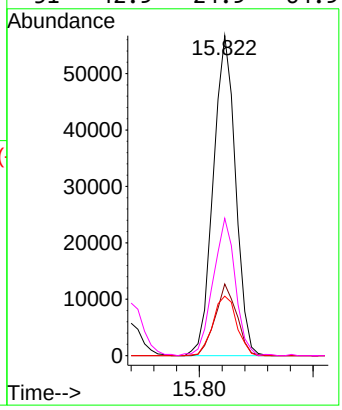




#63
Azobenzene
Concen: 9.620 ng
RT: 15.822 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion: 77 Resp: 7712

Ion	Ratio	Lower	Upper
77	100		
182	22.4	2.4	42.4
105	18.6	0.0	40.0
51	42.9	24.9	64.9



Instrument :
BNA_G
ClientSampleId :
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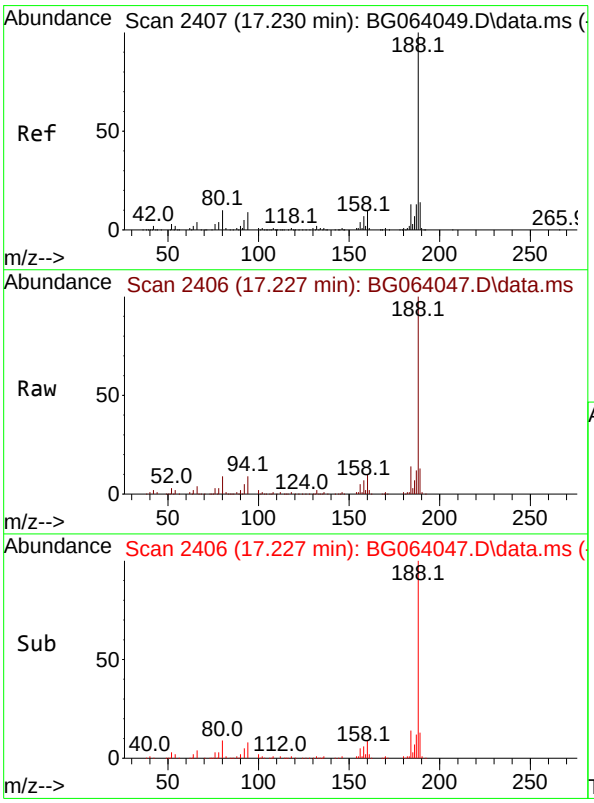
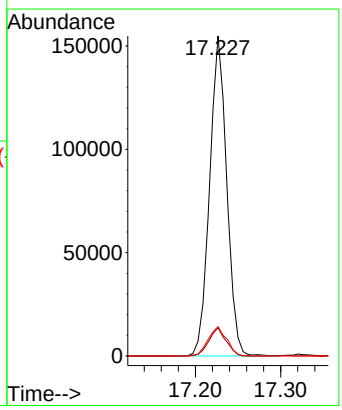
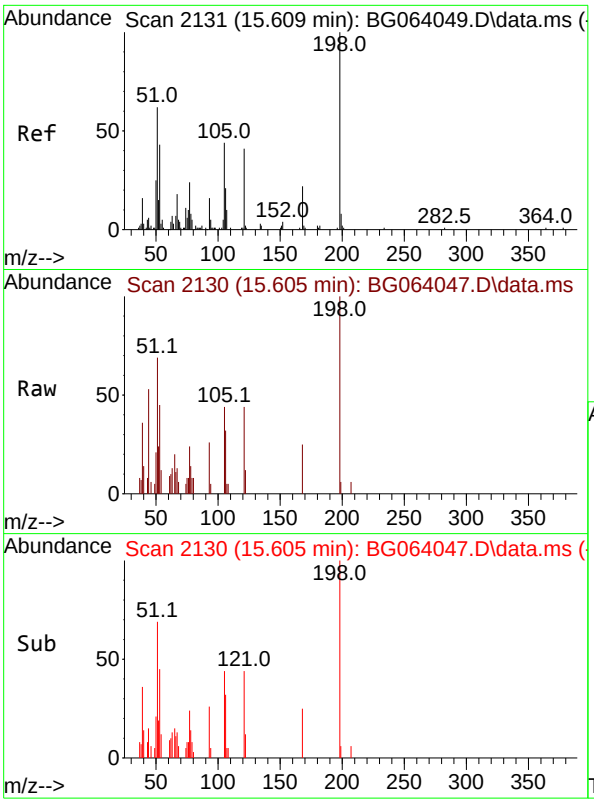


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.227 min Scan# 2406
Delta R.T. -0.003 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:188 Resp: 216134

Ion	Ratio	Lower	Upper
188	100		
94	8.9	6.9	10.3
80	9.2	8.1	12.1

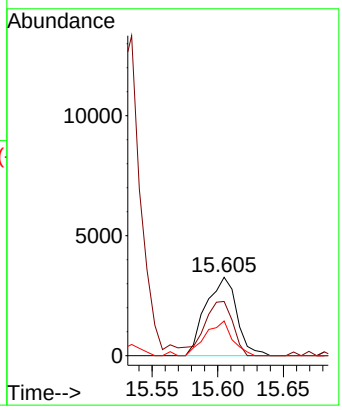




#65
4,6-Dinitro-2-methylphenol
Concen: 12.953 ng
RT: 15.605 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:198 Resp: 537

Ion	Ratio	Lower	Upper
198	100		
51	69.2	45.6	85.6
105	44.3	25.3	65.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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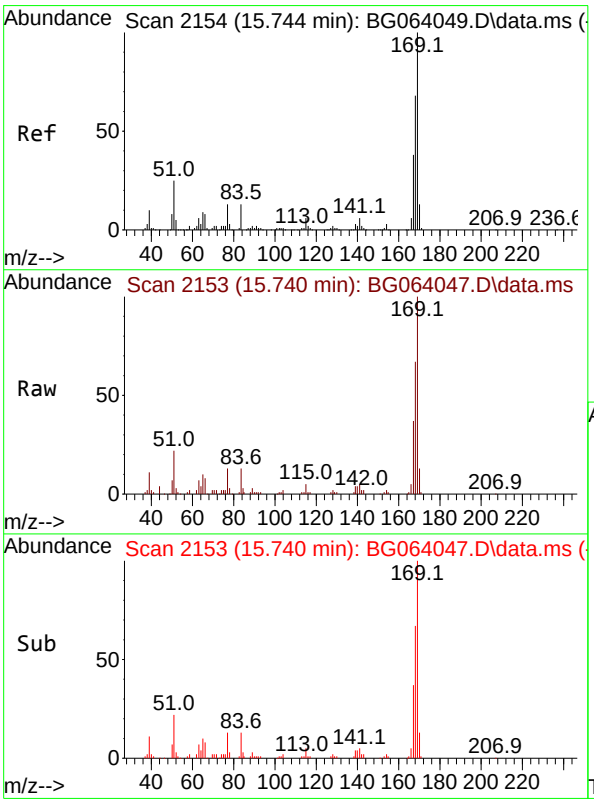
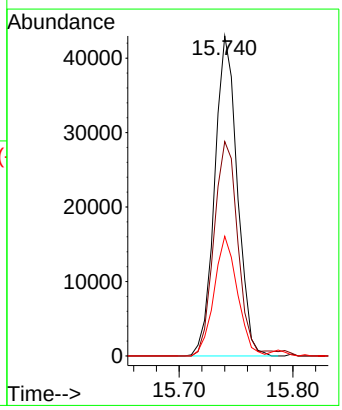
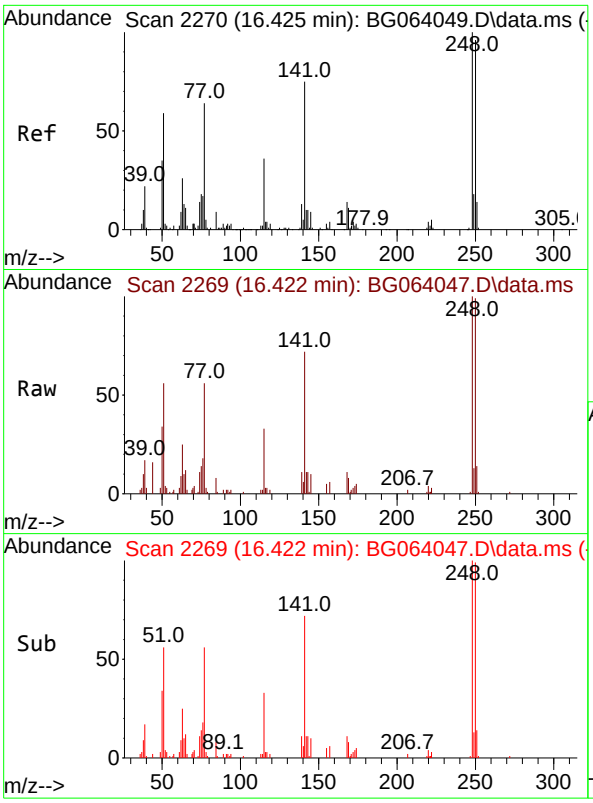


#66
n-Nitrosodiphenylamine
Concen: 9.727 ng
RT: 15.740 min Scan# 2153
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:169 Resp: 59511

Ion	Ratio	Lower	Upper
169	100		
168	67.0	54.1	81.1
167	37.4	30.3	45.5





#67
4-Bromophenyl-phenylether
Concen: 9.525 ng
RT: 16.422 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:248 Resp: 2108

Ion	Ratio	Lower	Upper
248	100		
250	98.9	77.1	115.7
141	71.6	59.8	89.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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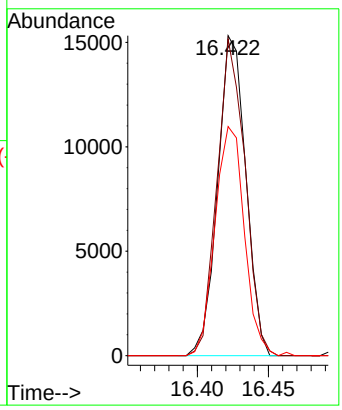
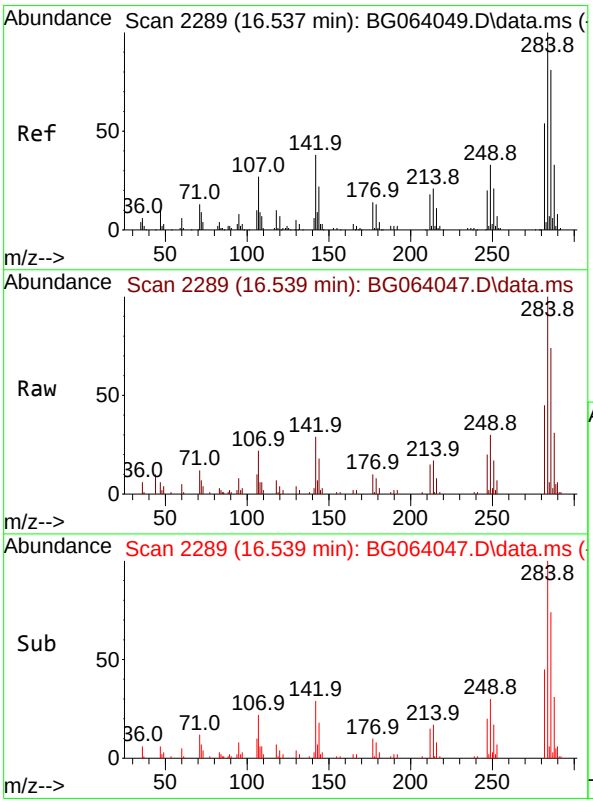
Supervised By :mohammad ahmed 03/07/2025

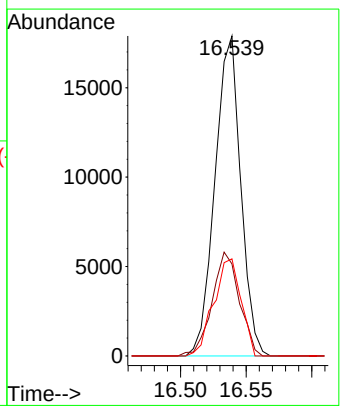


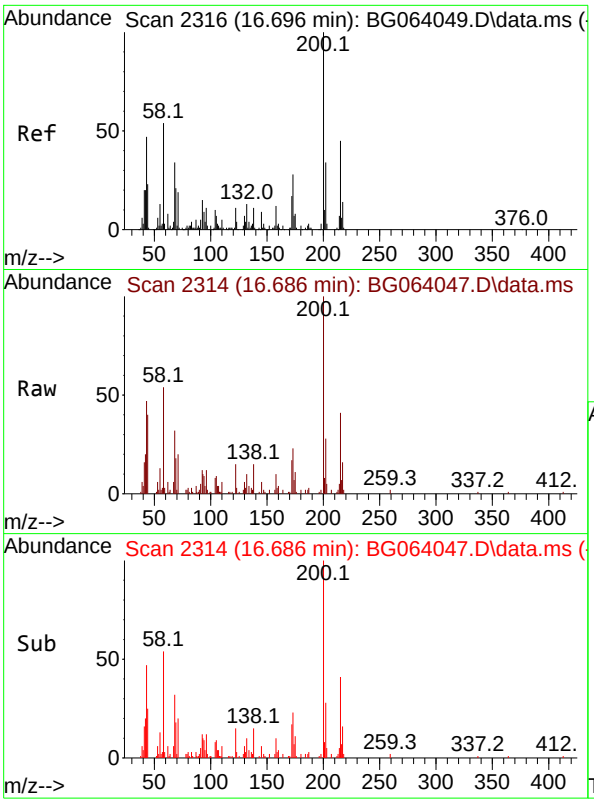


#68
Hexachlorobenzene
Concen: 9.848 ng
RT: 16.539 min Scan# 2289
Delta R.T. 0.002 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:284 Resp: 24406

Ion	Ratio	Lower	Upper
284	100		
142	28.7	30.6	45.8#
249	30.3	26.6	39.8

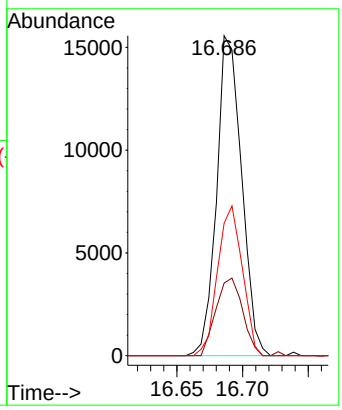




#69
Atrazine
Concen: 11.436 ng
RT: 16.686 min Scan# 2
Delta R.T. -0.010 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:200 Resp: 2058

Ion	Ratio	Lower	Upper
200	100		
173	22.7	8.2	48.2
215	41.4	25.5	65.5



Instrument :
BNA_G
ClientSampleId :
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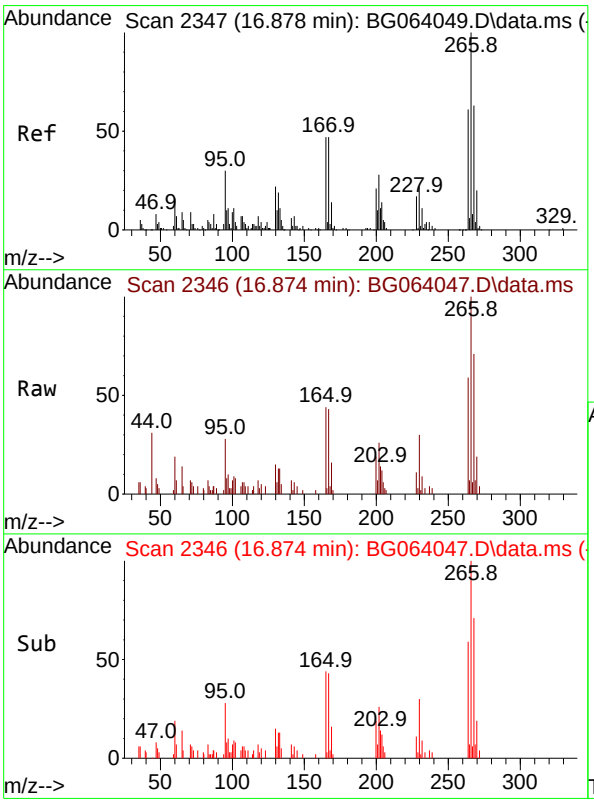
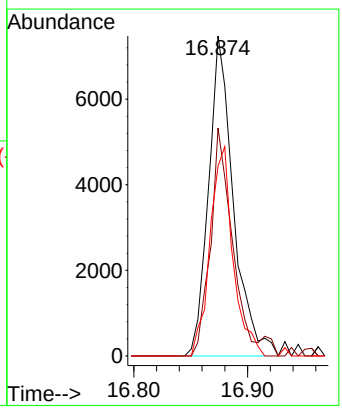
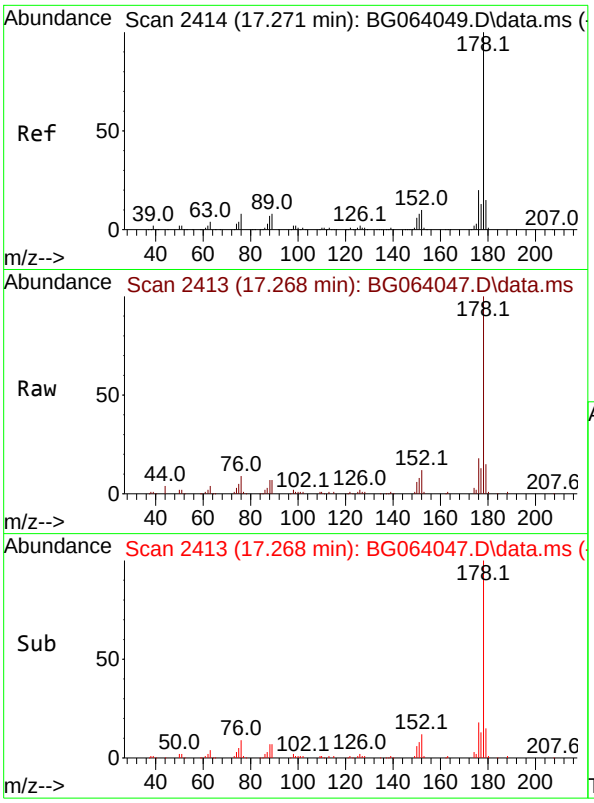


#70
Pentachlorophenol
Concen: 7.355 ng
RT: 16.874 min Scan# 2346
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:266 Resp: 11318

Ion	Ratio	Lower	Upper
266	100		
268	77.8	50.2	75.4#
264	66.2	48.9	73.3

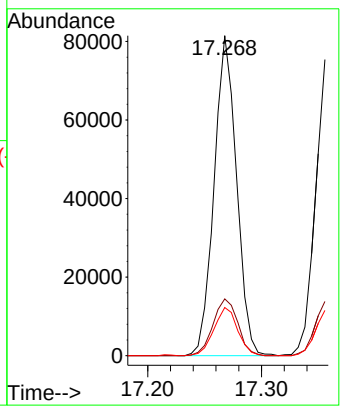




#71
Phenanthrene
Concen: 9.694 ng
RT: 17.268 min Scan# 24
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:178 Resp: 11175

Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.9	23.9
179	15.0	12.2	18.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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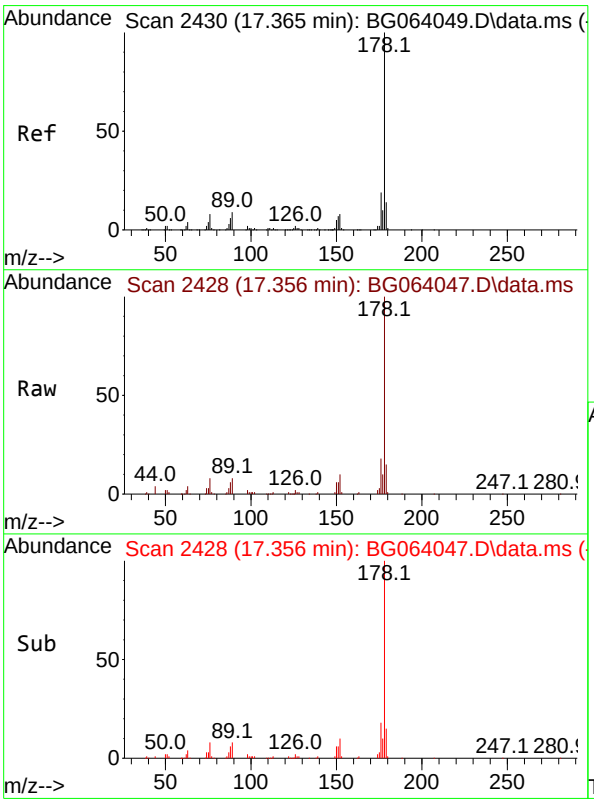
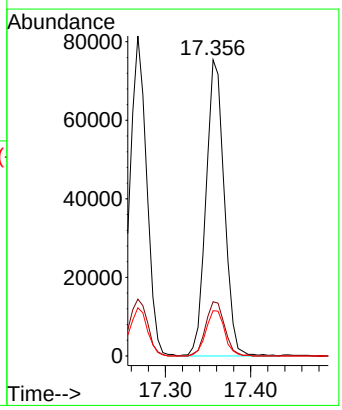
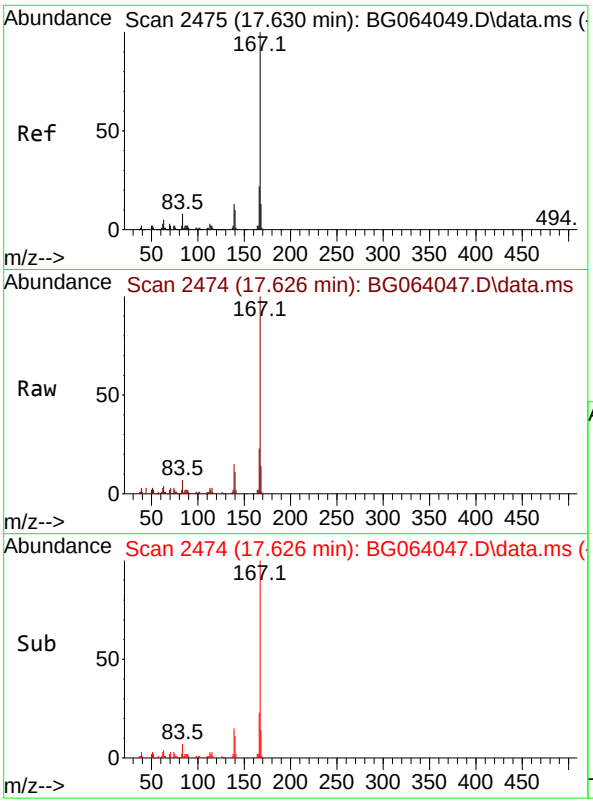


#72
Anthracene
Concen: 9.810 ng
RT: 17.356 min Scan# 2428
Delta R.T. -0.010 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:178 Resp: 112451

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.8	22.2
179	15.3	11.5	17.3

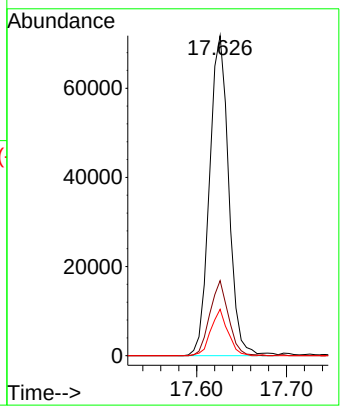




#73
Carbazole
Concen: 9.974 ng
RT: 17.626 min Scan# 24
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:167 Resp: 10675

Ion	Ratio	Lower	Upper
167	100		
166	23.5	18.0	27.0
139	14.5	10.6	15.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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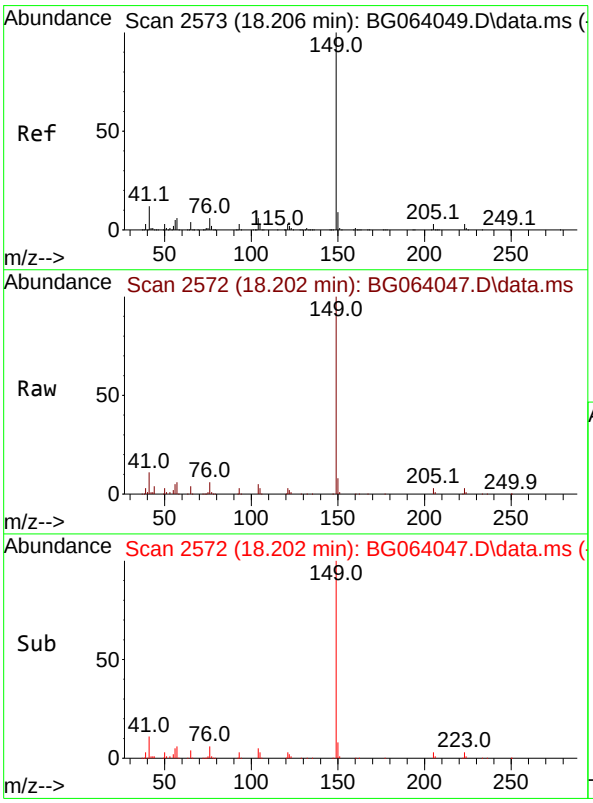
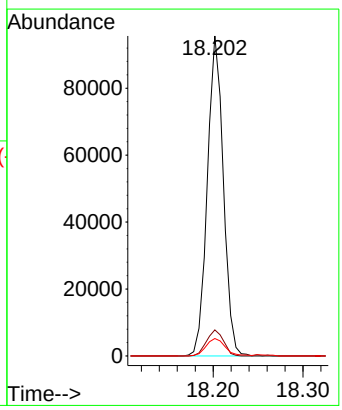
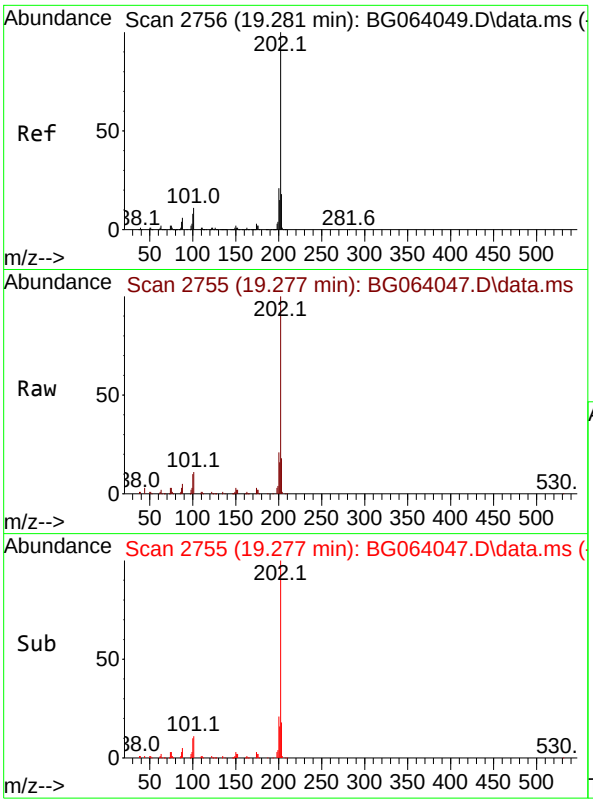


#74
Di-n-butylphthalate
Concen: 9.396 ng
RT: 18.202 min Scan# 2572
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:149 Resp: 118366

Ion	Ratio	Lower	Upper
149	100		
150	8.2	7.4	11.0
104	5.5	5.0	7.6

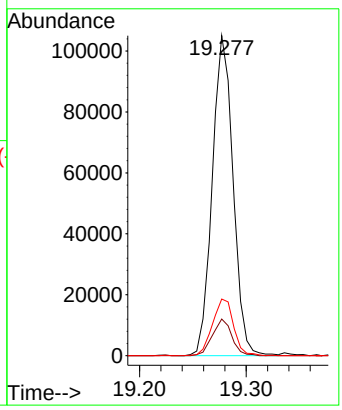




#75
Fluoranthene
Concen: 10.224 ng
RT: 19.277 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:202 Resp: 14209

Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	30.5
203	17.7	0.0	38.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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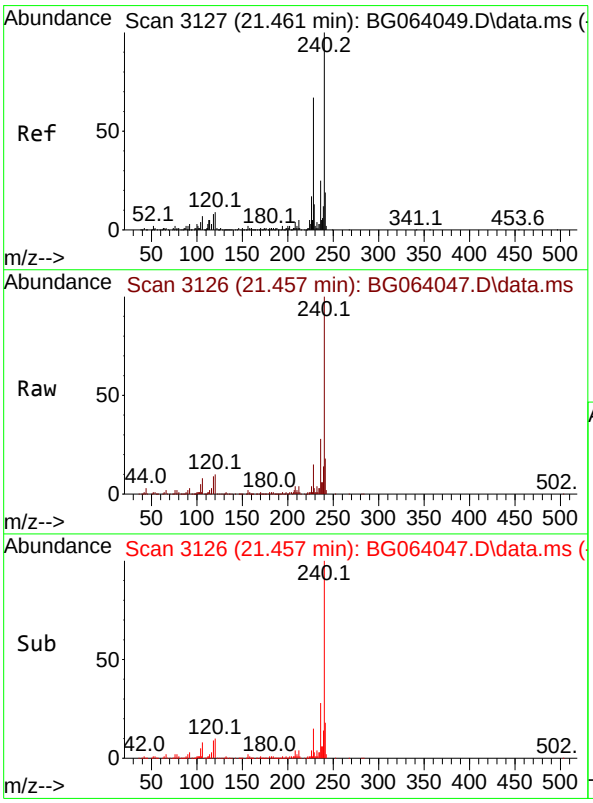
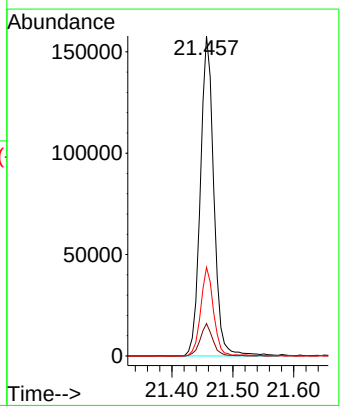
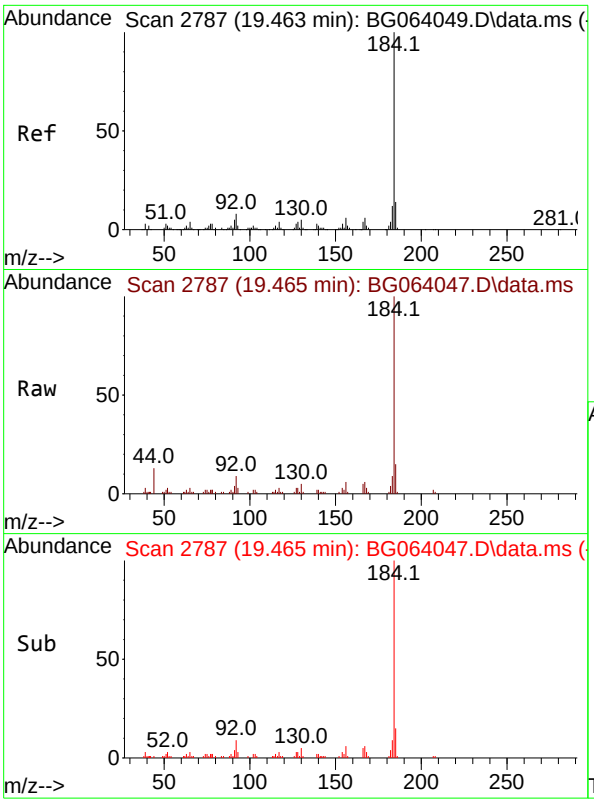


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.457 min Scan# 3126
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:240 Resp: 243131

Ion	Ratio	Lower	Upper
240	100		
120	10.1	7.2	10.8
236	27.7	20.2	30.2

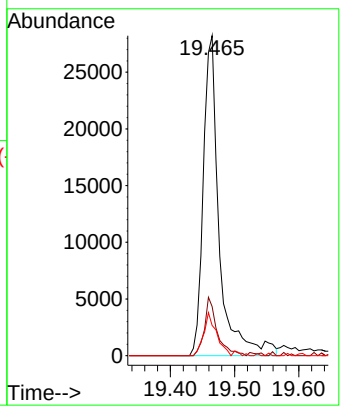




#77
Benzidine
Concen: 14.253 ng m
RT: 19.465 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:184 Resp: 4864

Ion	Ratio	Lower	Upper
184	100		
185	15.4	11.3	16.9
183	9.5	9.5	14.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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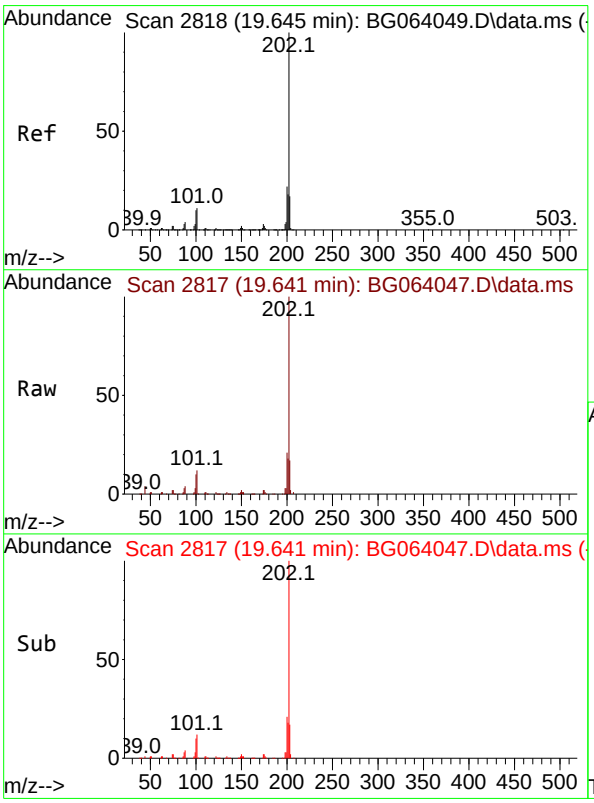
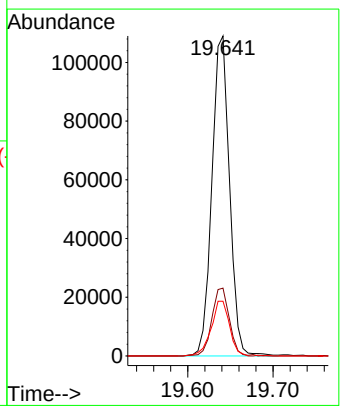
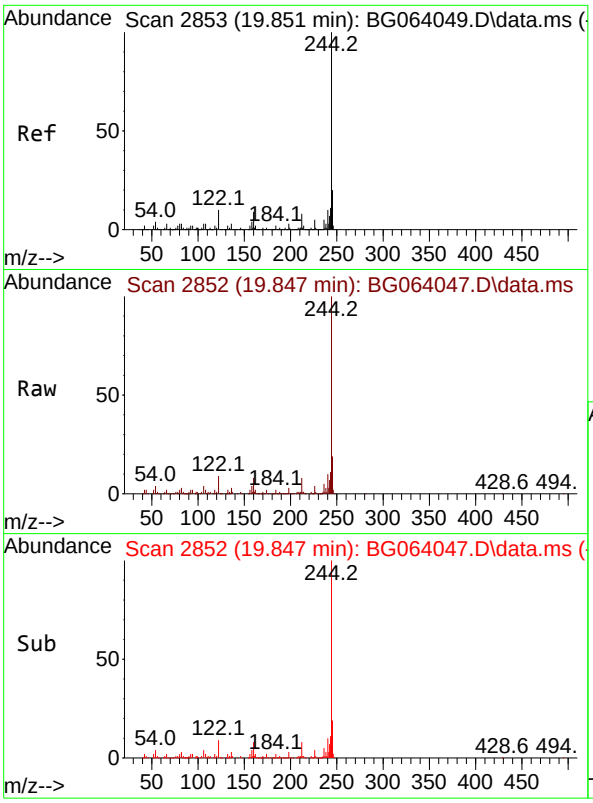


#78
Pyrene
Concen: 9.980 ng
RT: 19.641 min Scan# 2817
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:202 Resp: 156414

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.3	25.9
203	17.1	13.6	20.4





#79
Terphenyl-d14
Concen: 20.697 ng
RT: 19.847 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:244 Resp: 24886

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.2	9.4
122	9.2	8.0	12.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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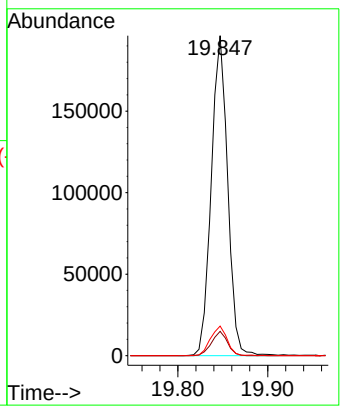
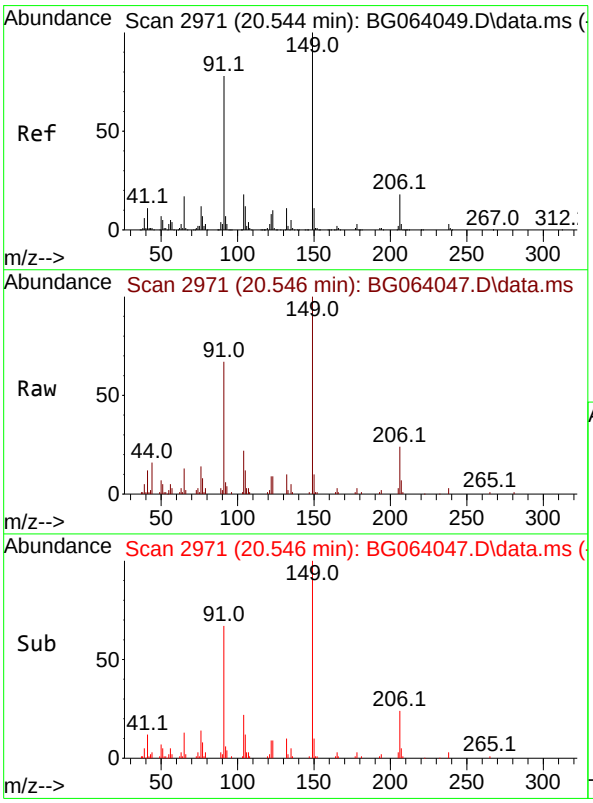
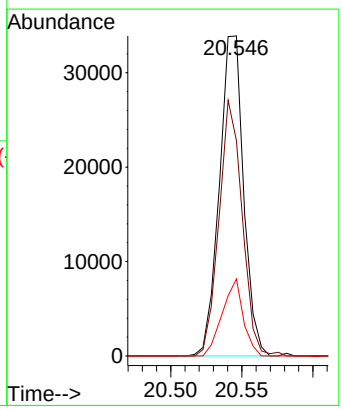


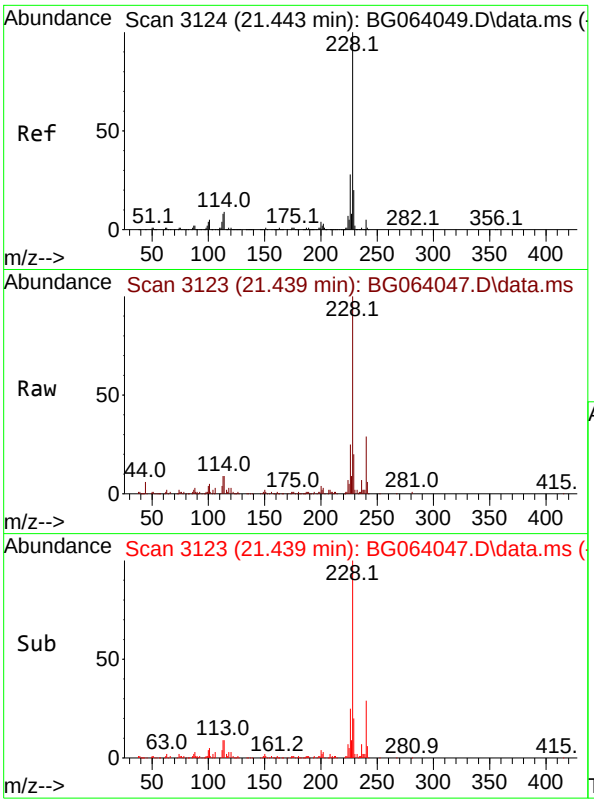


#80
Butylbenzylphthalate
Concen: 9.952 ng
RT: 20.546 min Scan# 2971
Delta R.T. 0.002 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:149 Resp: 40179

Ion	Ratio	Lower	Upper
149	100		
91	67.2	62.0	93.0
206	24.1	14.6	21.8#





#81
Benzo(a)anthracene
Concen: 9.895 ng
RT: 21.439 min Scan# 3
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:228 Resp: 15411

Ion	Ratio	Lower	Upper
228	100		
226	25.1	22.2	33.2
229	20.2	16.4	24.6

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
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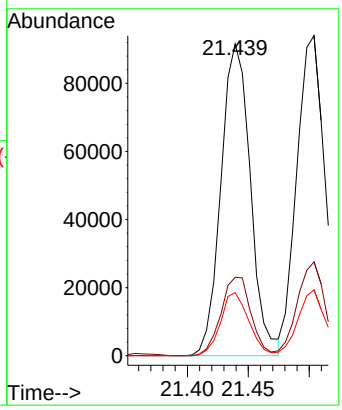
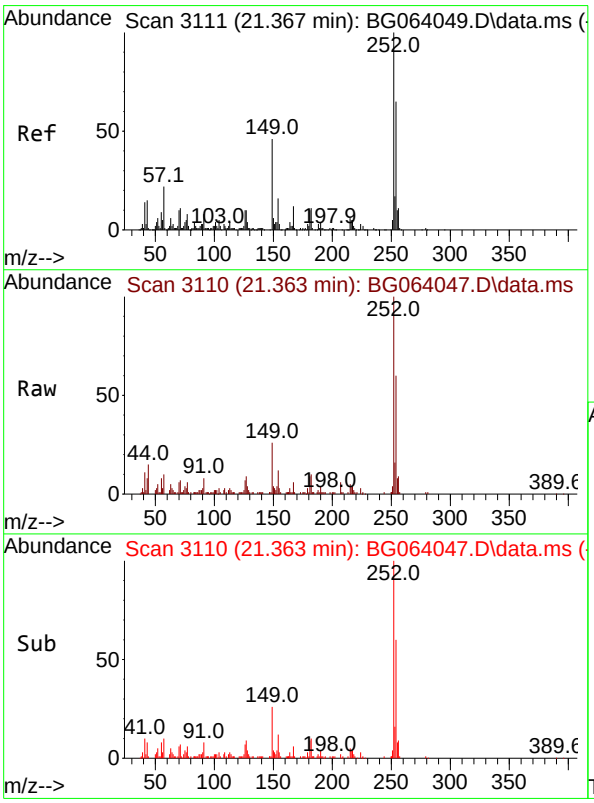
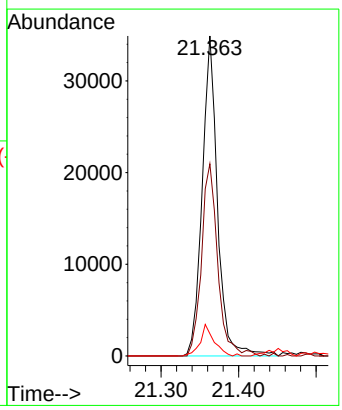


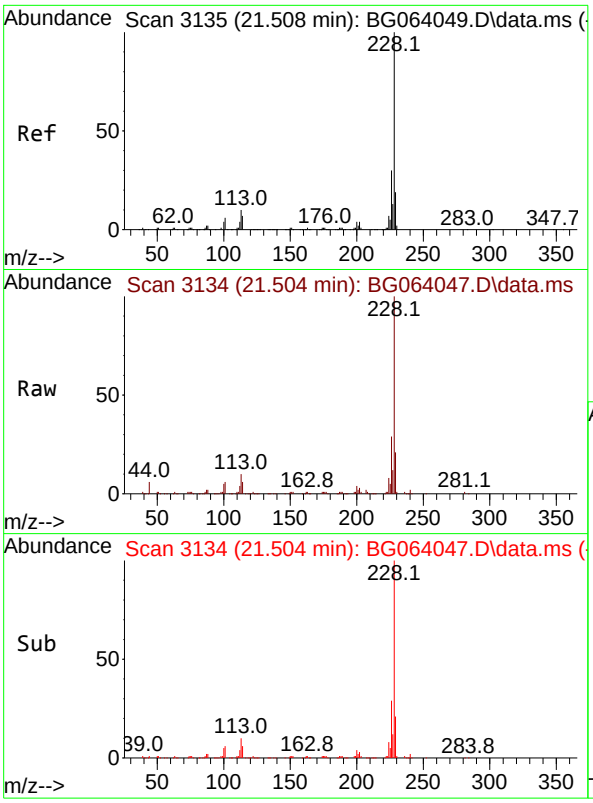


#82
3,3'-Dichlorobenzidine
Concen: 9.539 ng
RT: 21.363 min Scan# 3110
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:252 Resp: 48080

Ion	Ratio	Lower	Upper
252	100		
254	60.1	52.1	78.1
126	7.0	7.8	11.8#

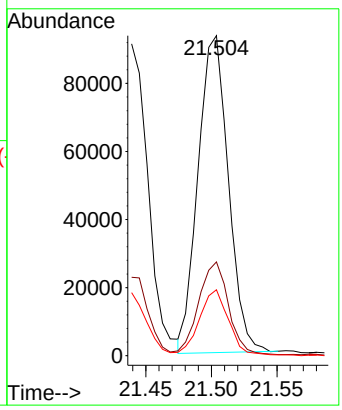




#83
Chrysene
Concen: 9.649 ng
RT: 21.504 min Scan# 3
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:228 Resp: 14988

Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.9	35.9
229	20.6	15.3	22.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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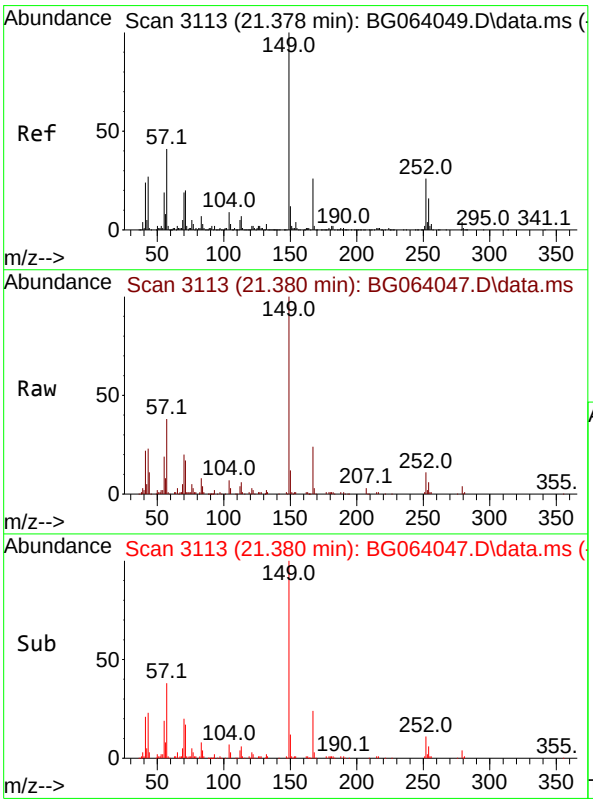
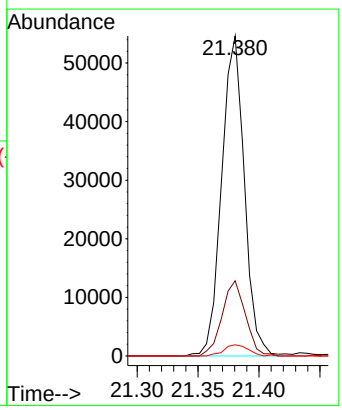
Supervised By :mohammad ahmed 03/07/2025

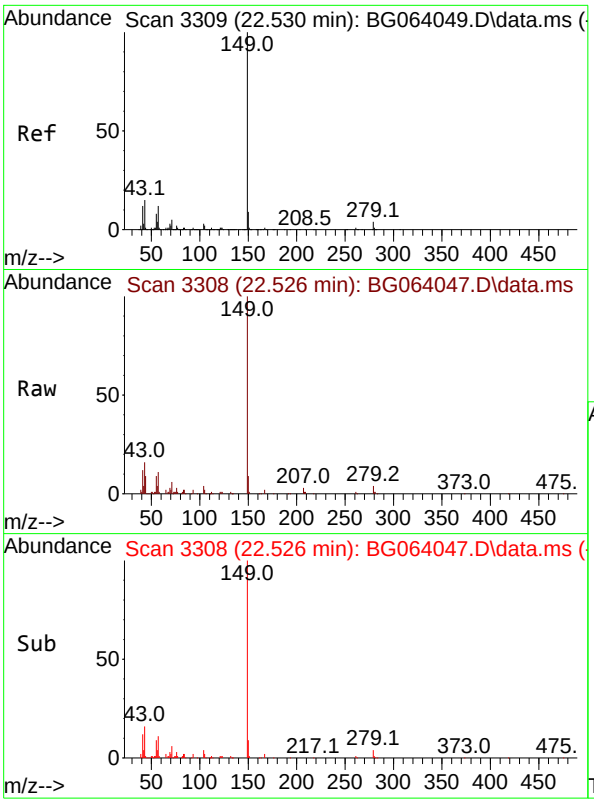


#84
Bis(2-ethylhexyl)phthalate
Concen: 8.403 ng
RT: 21.380 min Scan# 3113
Delta R.T. 0.002 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:149 Resp: 70780

Ion	Ratio	Lower	Upper
149	100		
167	23.5	21.0	31.6
279	3.5	2.8	4.2

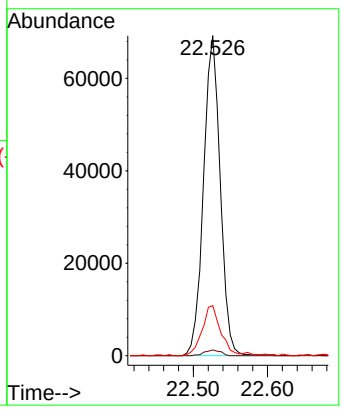




#85
Di-n-octyl phthalate
Concen: 7.461 ng
RT: 22.526 min Scan# 3
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:149 Resp: 10838

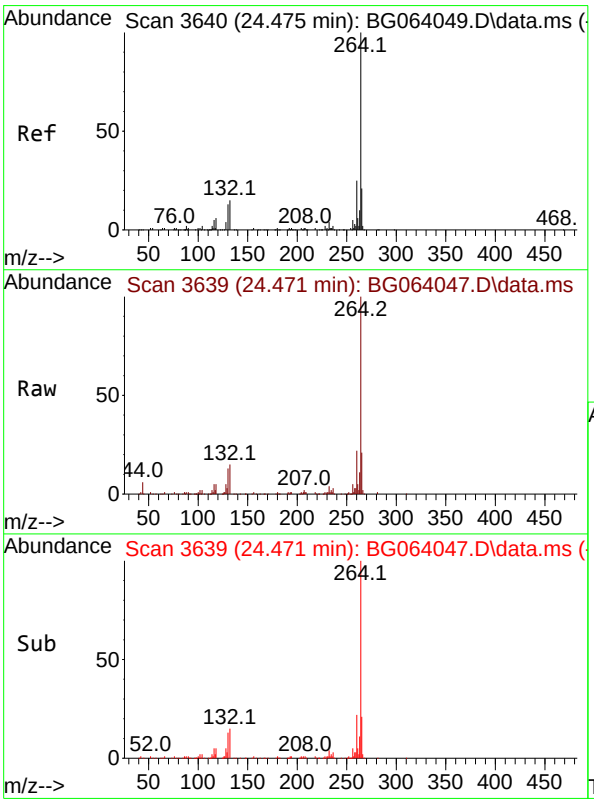
Ion	Ratio	Lower	Upper
149	100		
167	1.8	1.2	1.8
43	17.2	12.6	19.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

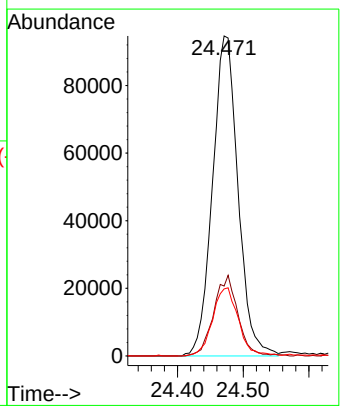
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

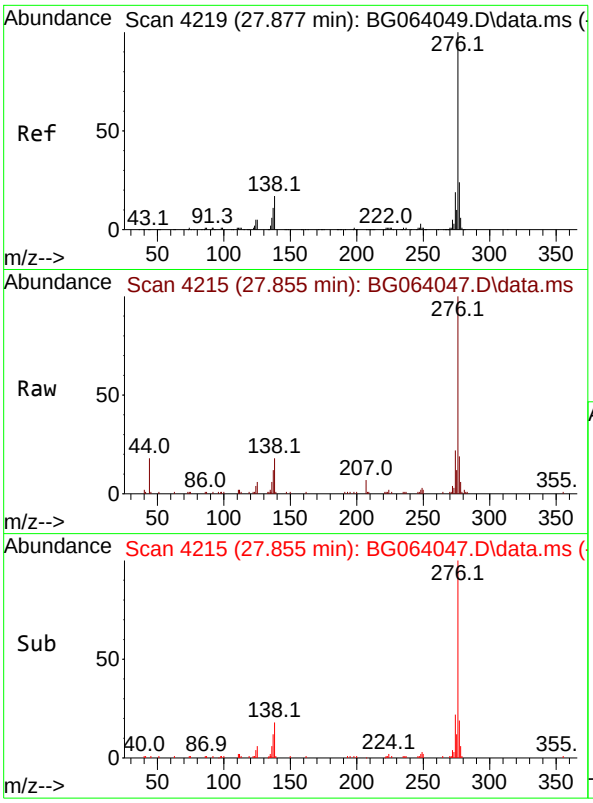


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.471 min Scan# 3639
Delta R.T. -0.004 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:264 Resp: 255316

Ion	Ratio	Lower	Upper
264	100		
260	21.8	19.6	29.4
265	21.0	16.6	25.0

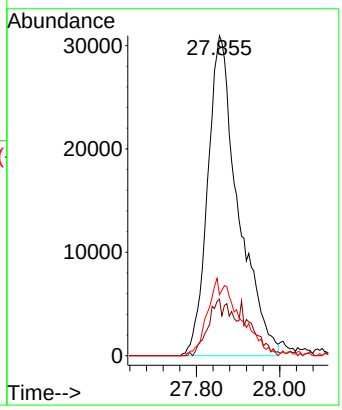




#87
Indeno(1,2,3-cd)pyrene
Concen: 9.203 ng
RT: 27.855 min Scan# 4
Delta R.T. -0.021 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:276 Resp: 15721

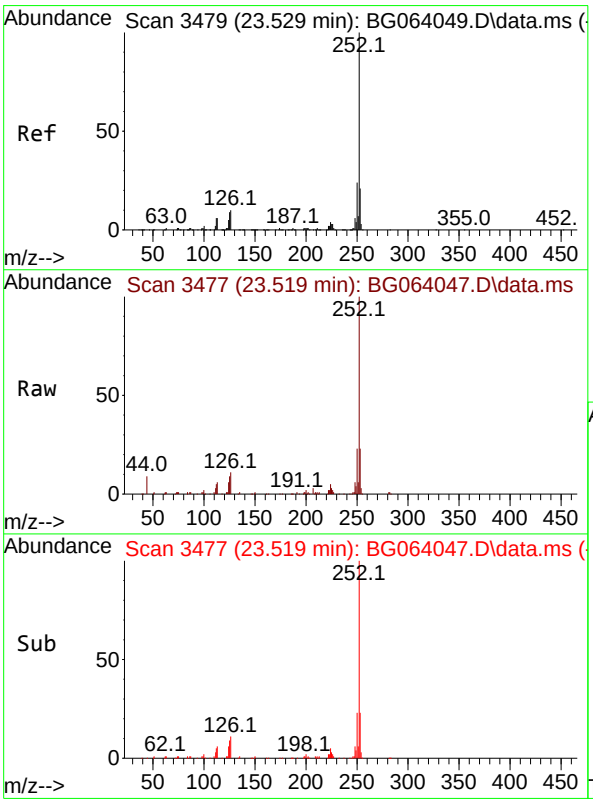
Ion	Ratio	Lower	Upper
276	100		
138	8.2	12.1	18.1#
277	10.0	20.0	30.0#



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

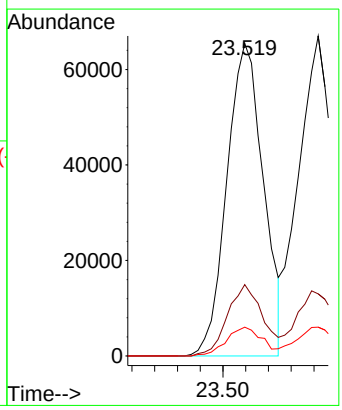
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

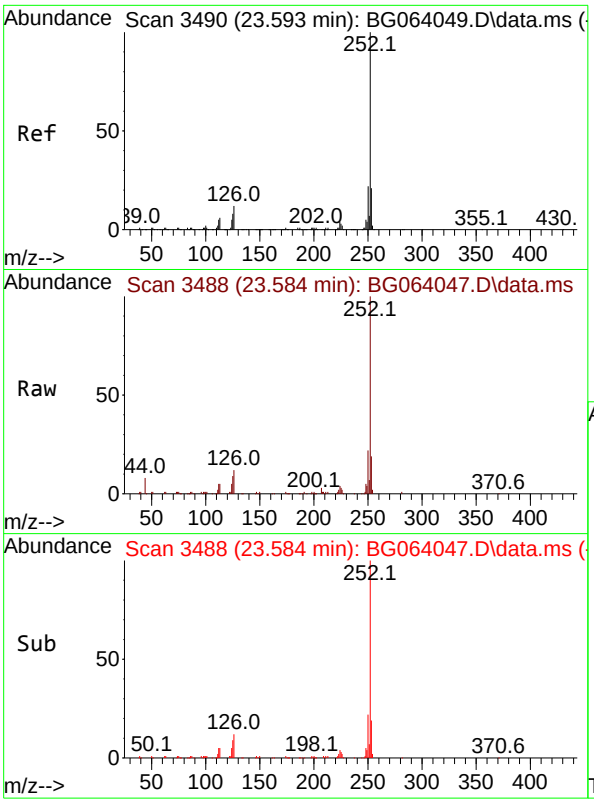


#88
Benzo(b)fluoranthene
Concen: 9.475 ng
RT: 23.519 min Scan# 3477
Delta R.T. -0.010 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:252 Resp: 146238

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.0	25.4
125	9.2	7.4	11.2

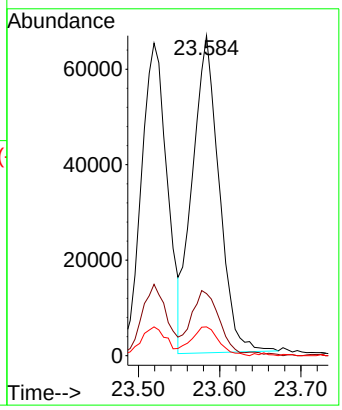




#89
Benzo(k)fluoranthene
Concen: 9.805 ng
RT: 23.584 min Scan# 34
Delta R.T. -0.010 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:252 Resp: 15182

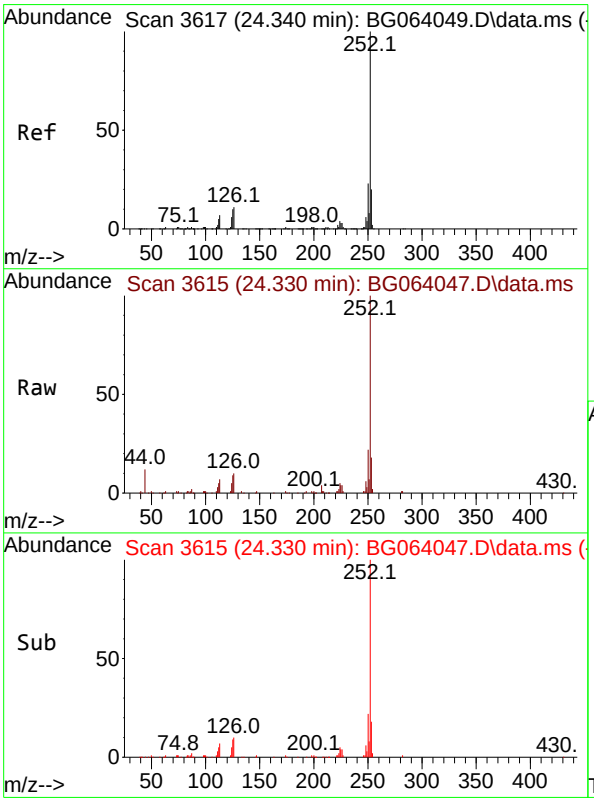
Ion	Ratio	Lower	Upper
252	100		
253	19.4	16.8	25.2
125	9.0	6.9	10.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

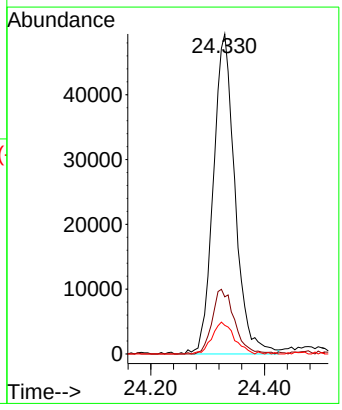
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

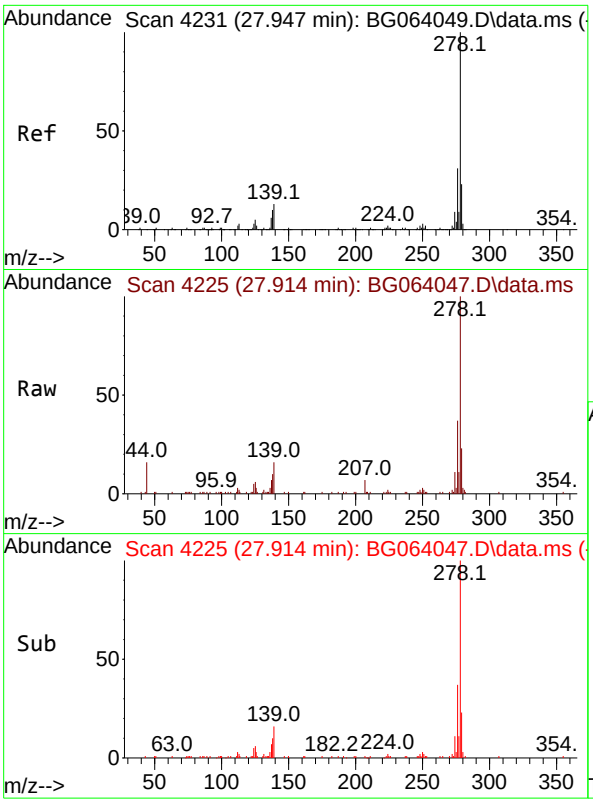


#90
Benzo(a)pyrene
Concen: 9.496 ng
RT: 24.330 min Scan# 3615
Delta R.T. -0.010 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:252 Resp: 130528

Ion	Ratio	Lower	Upper
252	100		
253	17.8	16.2	24.2
125	9.0	7.8	11.6

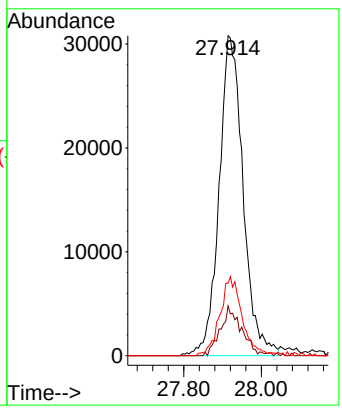




#91
Dibenzo(a,h)anthracene
Concen: 9.340 ng
RT: 27.914 min Scan# 4
Delta R.T. -0.033 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:278 Resp: 13227

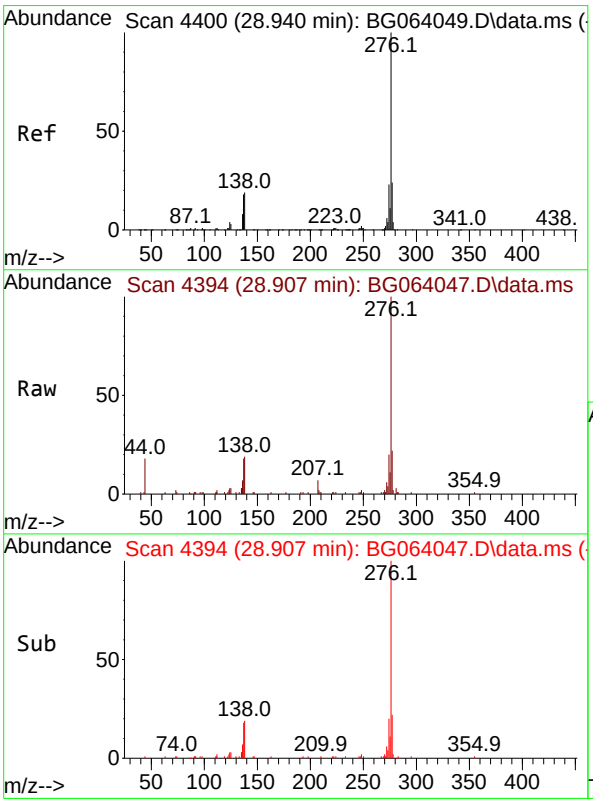
Ion	Ratio	Lower	Upper
278	100		
139	15.6	10.2	15.2
279	22.7	18.1	27.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

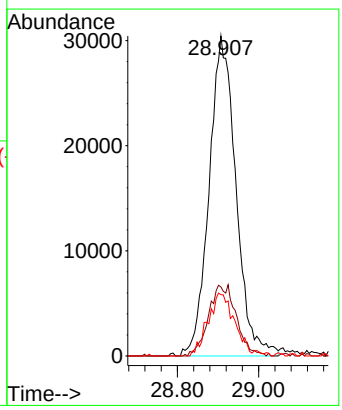
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025



#92
Benzo(g,h,i)perylene
Concen: 9.596 ng
RT: 28.907 min Scan# 4394
Delta R.T. -0.033 min
Lab File: BG064047.D
Acq: 5 Mar 2025 10:22

Tgt Ion:276 Resp: 139536

Ion	Ratio	Lower	Upper
276	100		
277	21.6	19.5	29.3
138	19.1	15.4	23.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064048.D
Acq On : 5 Mar 2025 11:03
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

Quant Time: Mar 05 15:22:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 14:45:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.867	152	32618	20.000	ng		0.00
21) Naphthalene-d8	10.652	136	145081	20.000	ng		0.00
39) Acenaphthene-d10	14.489	164	102335	20.000	ng		0.00
64) Phenanthrene-d10	17.227	188	239469	20.000	ng		0.00
76) Chrysene-d12	21.463	240	245725	20.000	ng		0.00
86) Perylene-d12	24.471	264	254102	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.446	112	86747	41.526	ng		0.00
7) Phenol-d6	7.027	99	117028	41.181	ng		0.00
23) Nitrobenzene-d5	9.013	82	104347	39.746	ng		0.00
42) 2,4,6-Tribromophenol	15.969	330	46324	40.723	ng		0.00
45) 2-Fluorobiphenyl	13.114	172	278220	41.267	ng		0.00
79) Terphenyl-d14	19.847	244	521784	42.936	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.372	88	20346	21.491	ng		94
3) Pyridine	3.760	79	47376	20.577	ng		90
4) n-Nitrosodimethylamine	3.678	42	33180	20.170	ng	#	98
6) Aniline	7.191	93	59532	21.349	ng		98
8) 2-Chlorophenol	7.432	128	46053	20.527	ng		91
9) Benzaldehyde	7.003	77	36954m	22.246	ng		
10) Phenol	7.050	94	59566	20.473	ng		96
11) bis(2-Chloroethyl)ether	7.291	93	46439	20.359	ng		96
12) 1,3-Dichlorobenzene	7.755	146	48956	19.871	ng		98
13) 1,4-Dichlorobenzene	7.902	146	52419	20.757	ng		97
14) 1,2-Dichlorobenzene	8.214	146	50317	20.663	ng		98
15) Benzyl Alcohol	8.096	79	43802	19.946	ng		96
16) 2,2'-oxybis(1-Chloropr...	8.390	45	104660	20.405	ng		98
17) 2-Methylphenol	8.302	107	38395	19.883	ng	#	90
18) Hexachloroethane	8.948	117	16959	19.194	ng		99
19) n-Nitroso-di-n-propyla...	8.666	70	41803	20.960	ng		94
20) 3+4-Methylphenols	8.625	107	53440	20.102	ng		93
22) Acetophenone	8.678	105	84092	21.140	ng		94
24) Nitrobenzene	9.060	77	56511	20.828	ng	#	97
25) Isophorone	9.577	82	107881	20.530	ng		98
26) 2-Nitrophenol	9.765	139	13886	18.663	ng		96
27) 2,4-Dimethylphenol	9.824	122	32013	20.322	ng		95
28) bis(2-Chloroethoxy)met...	10.064	93	67945	21.327	ng		97
29) 2,4-Dichlorophenol	10.294	162	40728	20.475	ng		96
30) 1,2,4-Trichlorobenzene	10.517	180	49701	20.698	ng		96
31) Naphthalene	10.705	128	161582	20.654	ng		100
32) Benzoic acid	9.929	122	20223m	20.131	ng		
33) 4-Chloroaniline	10.805	127	59095	20.668	ng		98
34) Hexachlorobutadiene	10.999	225	32675	20.760	ng		96
35) Caprolactam	11.557	113	16251	21.319	ng		97
36) 4-Chloro-3-methylphenol	11.927	107	55024	21.103	ng		94
37) 2-Methylnaphthalene	12.309	142	114303	20.696	ng		94
38) 1-Methylnaphthalene	12.532	142	111828	20.668	ng		95
40) 1,2,4,5-Tetrachloroben...	12.679	216	60556	20.727	ng		98
41) Hexachlorocyclopentadiene	12.667	237	16470	20.029	ng		90
43) 2,4,6-Trichlorophenol	12.914	196	34893	20.264	ng		93

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064048.D
Acq On : 5 Mar 2025 11:03
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

Quant Time: Mar 05 15:22:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 14:45:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.985	196	38995	20.381	ng		95
46) 1,1'-Biphenyl	13.325	154	160835	20.803	ng		97
47) 2-Chloronaphthalene	13.361	162	112611	19.971	ng		99
48) 2-Nitroaniline	13.560	65	28373	18.684	ng		98
49) Acenaphthylene	14.207	152	183469	20.571	ng		99
50) Dimethylphthalate	13.948	163	159500	21.114	ng		100
51) 2,6-Dinitrotoluene	14.054	165	26787	19.614	ng		92
52) Acenaphthene	14.553	154	125939m	20.997	ng		
53) 3-Nitroaniline	14.383	138	30517	20.902	ng		88
54) 2,4-Dinitrophenol	14.594	184	8560	19.958	ng	#	74
55) Dibenzofuran	14.888	168	202235	20.856	ng		96
56) 4-Nitrophenol	14.683	139	20425	16.681	ng		87
57) 2,4-Dinitrotoluene	14.841	165	35172	19.015	ng	#	97
58) Fluorene	15.534	166	157795	20.894	ng		97
59) 2,3,4,6-Tetrachlorophenol	15.111	232	39748	21.310	ng		99
60) Diethylphthalate	15.311	149	174872	21.324	ng		98
61) 4-Chlorophenyl-phenyle...	15.534	204	80605	21.477	ng		95
62) 4-Nitroaniline	15.540	138	32000	20.301	ng		88
63) Azobenzene	15.822	77	182618	20.868	ng		98
65) 4,6-Dinitro-2-methylph...	15.599	198	14079	19.469	ng		95
66) n-Nitrosodiphenylamine	15.740	169	139451	20.573	ng		100
67) 4-Bromophenyl-phenylether	16.422	248	50868	20.740	ng		99
68) Hexachlorobenzene	16.539	284	56538	20.591	ng		95
69) Atrazine	16.692	200	42810	21.465	ng		97
70) Pentachlorophenol	16.874	266	30561	17.926	ng	#	88
71) Phenanthrene	17.268	178	265841	20.813	ng		99
72) Anthracene	17.362	178	264350	20.814	ng		99
73) Carbazole	17.626	167	244169	20.591	ng		100
74) Di-n-butylphthalate	18.202	149	290500	20.812	ng		100
75) Fluoranthene	19.277	202	319913	20.776	ng		98
77) Benzidine	19.459	184	58504	16.960	ng		99
78) Pyrene	19.641	202	331849	20.950	ng		99
80) Butylbenzylphthalate	20.546	149	99429	19.098	ng		98
81) Benzo(a)anthracene	21.439	228	321777	20.443	ng		98
82) 3,3'-Dichlorobenzidine	21.363	252	109121	21.421	ng		98
83) Chrysene	21.504	228	321379	20.471	ng		98
84) Bis(2-ethylhexyl)phtha...	21.381	149	168286	19.769	ng		98
85) Di-n-octyl phthalate	22.526	149	272257	18.542	ng		99
87) Indeno(1,2,3-cd)pyrene	27.867	276	357779	21.044	ng		98
88) Benzo(b)fluoranthene	23.525	252	322554	20.998	ng		98
89) Benzo(k)fluoranthene	23.590	252	325538	21.124	ng		99
90) Benzo(a)pyrene	24.330	252	285622	20.878	ng		97
91) Dibenzo(a,h)anthracene	27.932	278	292558	20.756	ng		99
92) Benzo(g,h,i)perylene	28.931	276	307072	21.219	ng		97

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

ICAL Form

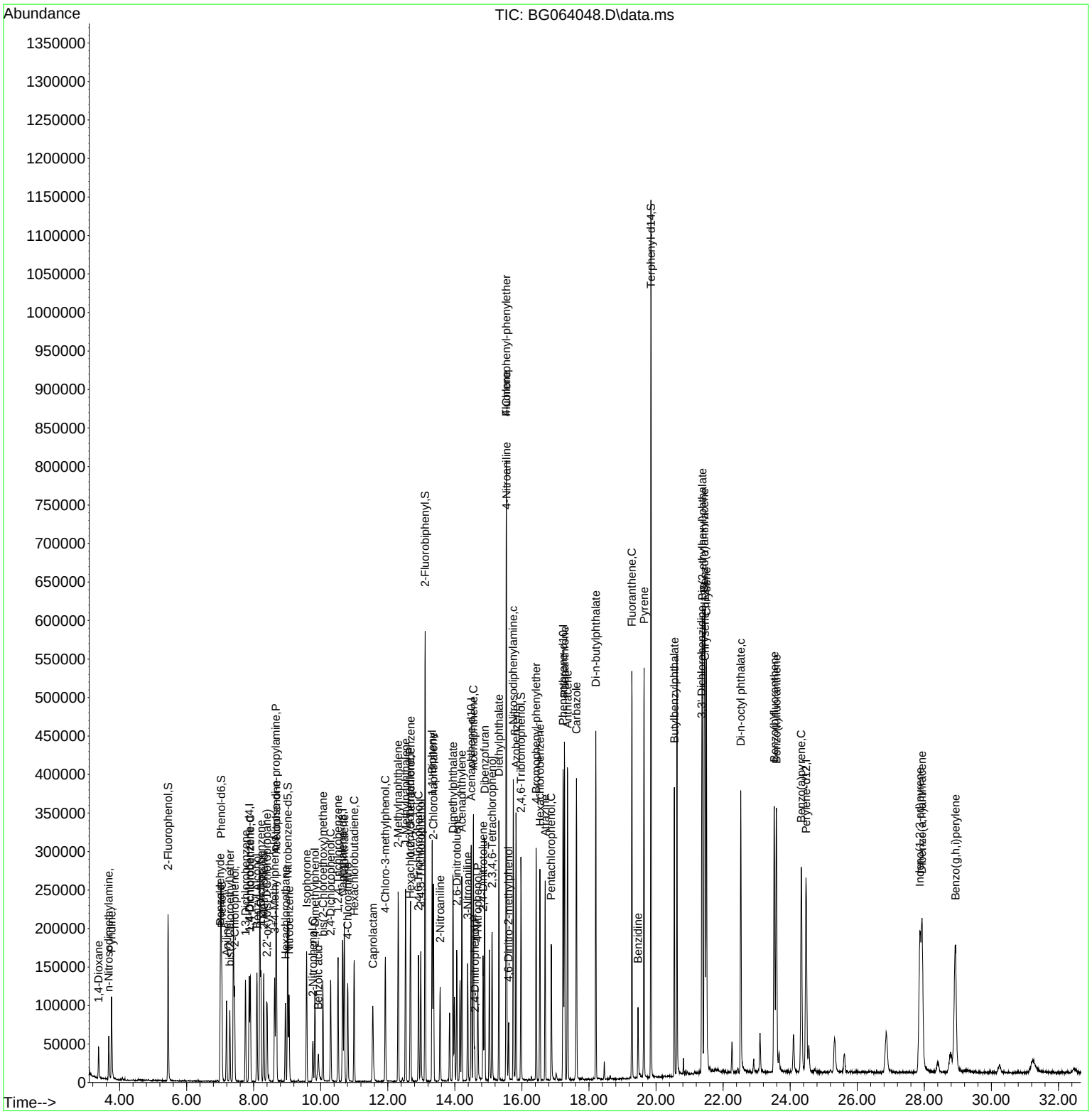
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064048.D
Acq On : 5 Mar 2025 11:03
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

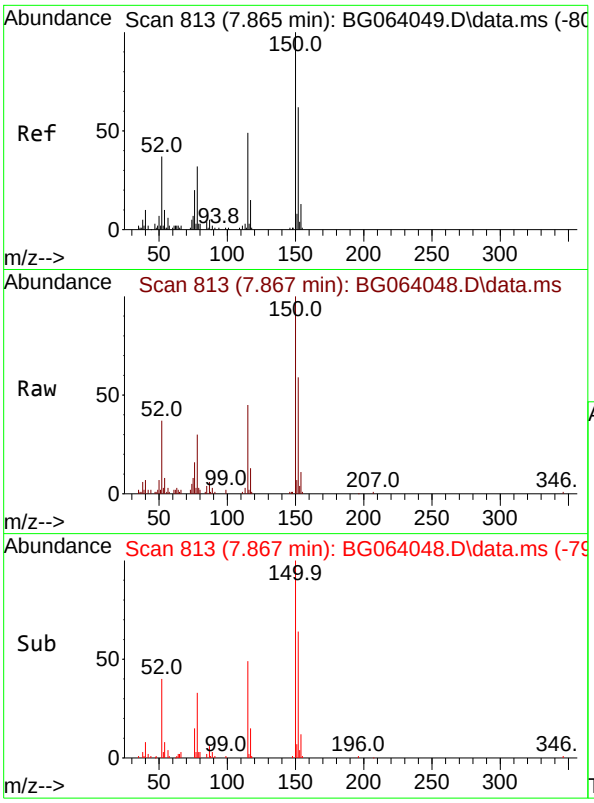
Quant Time: Mar 05 15:22:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 14:45:06 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

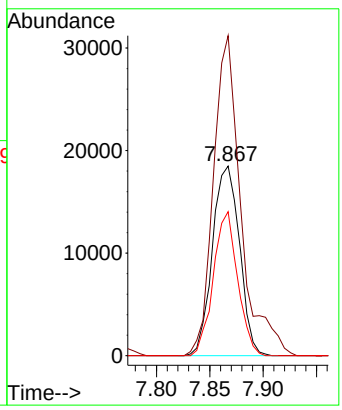




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.867 min Scan# 81
Delta R.T. 0.002 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:152 Resp: 3261

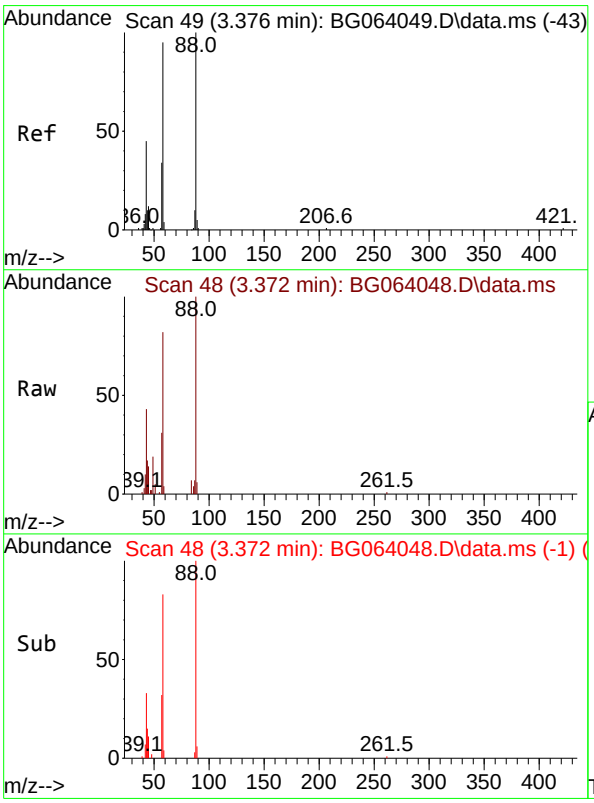
Ion	Ratio	Lower	Upper
152	100		
150	168.8	129.2	193.8
115	76.0	63.0	94.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

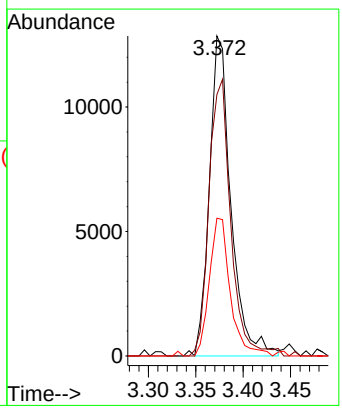
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

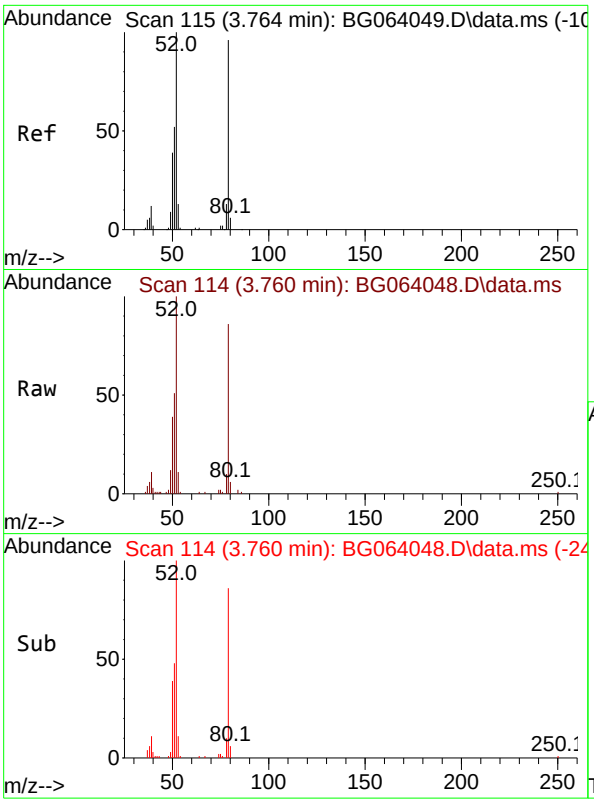


#2
1,4-Dioxane
Concen: 21.491 ng
RT: 3.372 min Scan# 48
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion: 88 Resp: 20346

Ion	Ratio	Lower	Upper
88	100		
58	87.3	74.6	111.8
43	41.6	35.5	53.3

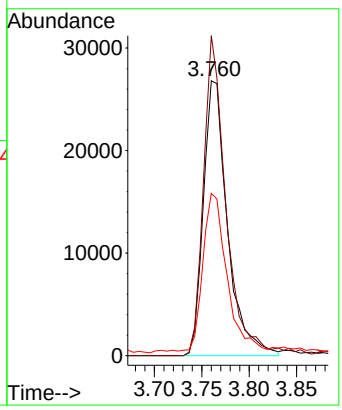




#3
Pyridine
Concen: 20.577 ng
RT: 3.760 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion: 79 Resp: 4737

Ion	Ratio	Lower	Upper
79	100		
52	116.4	83.0	124.6
51	59.1	44.3	66.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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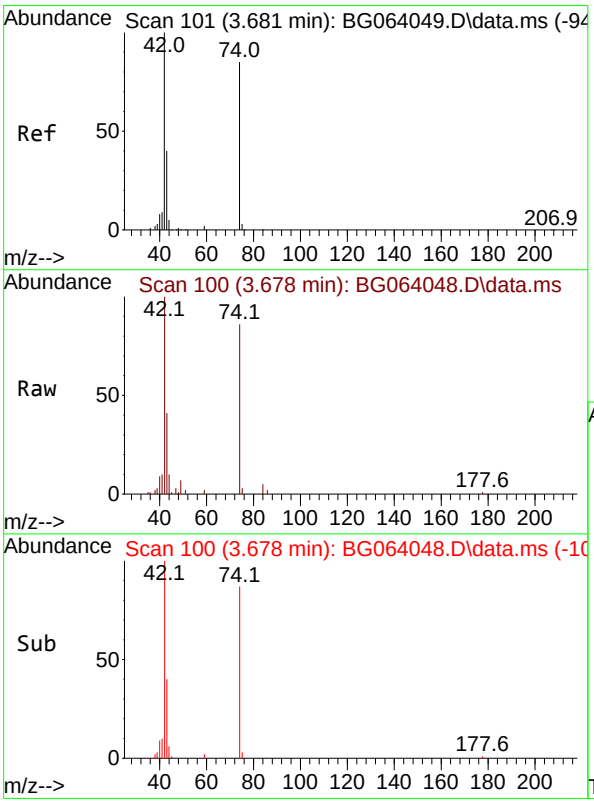
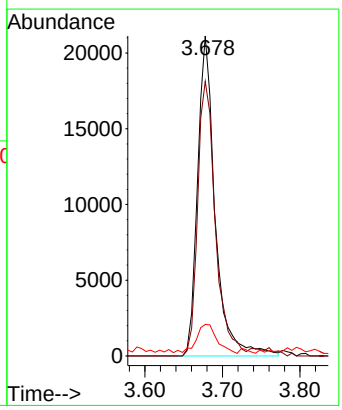
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

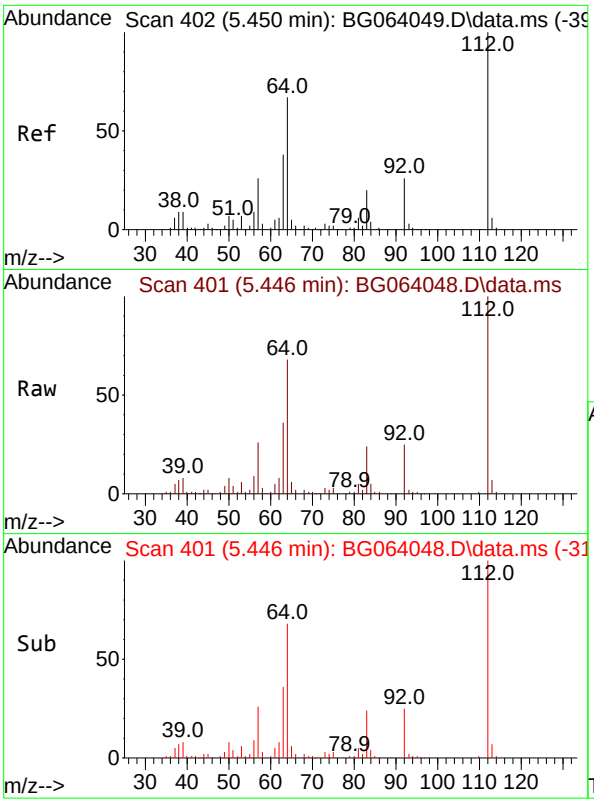


#4
n-Nitrosodimethylamine
Concen: 20.170 ng
RT: 3.678 min Scan# 100
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion: 42 Resp: 33180

Ion	Ratio	Lower	Upper
42	100		
74	85.8	68.0	102.0
44	9.9	4.9	7.3#

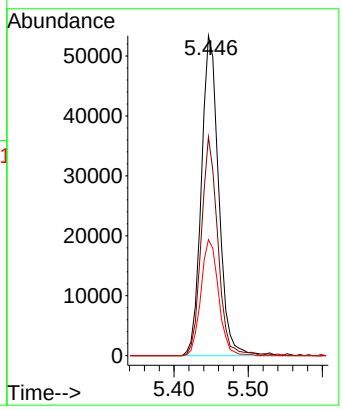




#5
2-Fluorophenol
Concen: 41.526 ng
RT: 5.446 min Scan# 4(
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:112 Resp: 8674

Ion	Ratio	Lower	Upper
112	100		
64	68.3	53.7	80.5
63	36.3	30.2	45.4



Instrument :
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ClientSampleId :
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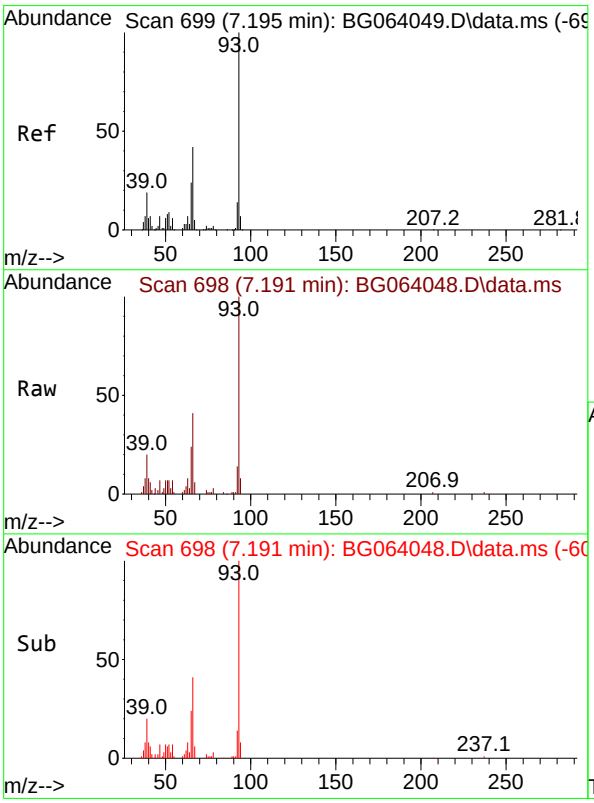
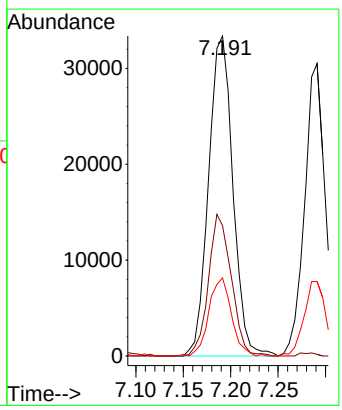
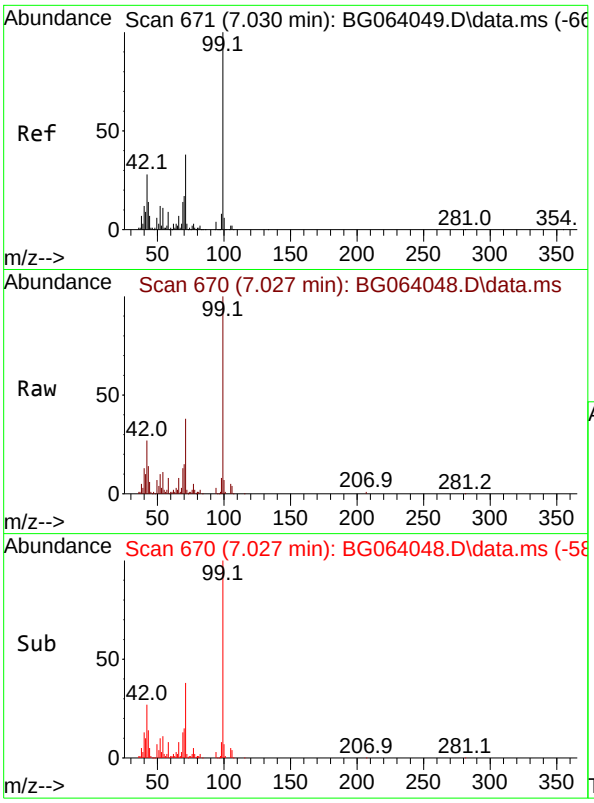


#6
Aniline
Concen: 21.349 ng
RT: 7.191 min Scan# 698
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion: 93 Resp: 59532

Ion	Ratio	Lower	Upper
93	100		
66	40.7	33.7	50.5
65	24.4	19.1	28.7

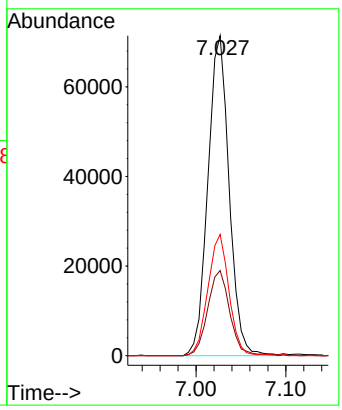




#7
Phenol-d6
Concen: 41.181 ng
RT: 7.027 min Scan# 6
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion: 99 Resp: 11702

Ion	Ratio	Lower	Upper
99	100		
42	26.6	22.7	34.1
71	37.9	30.6	46.0



Instrument :
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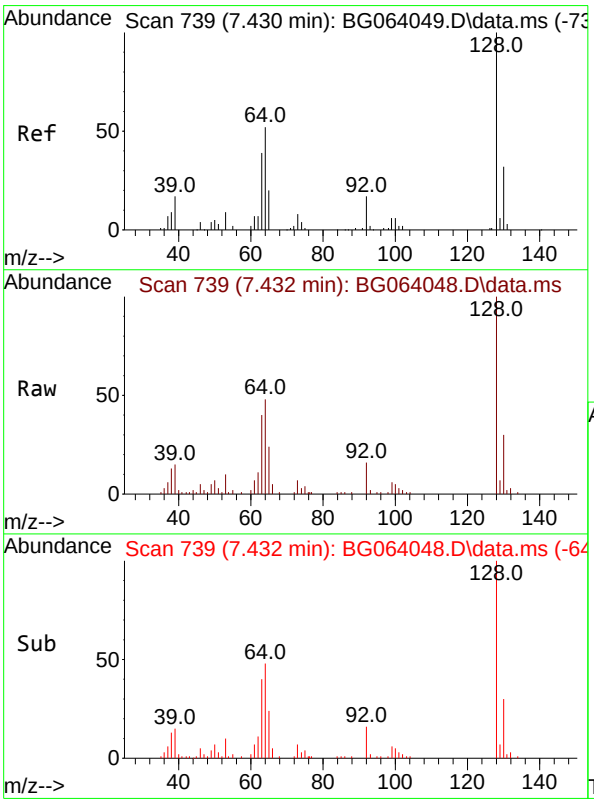
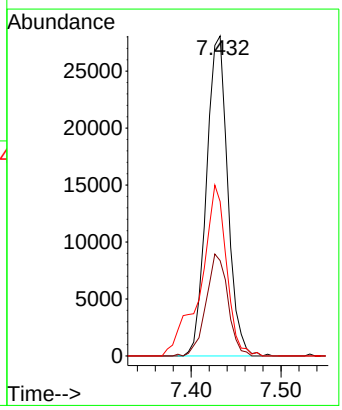
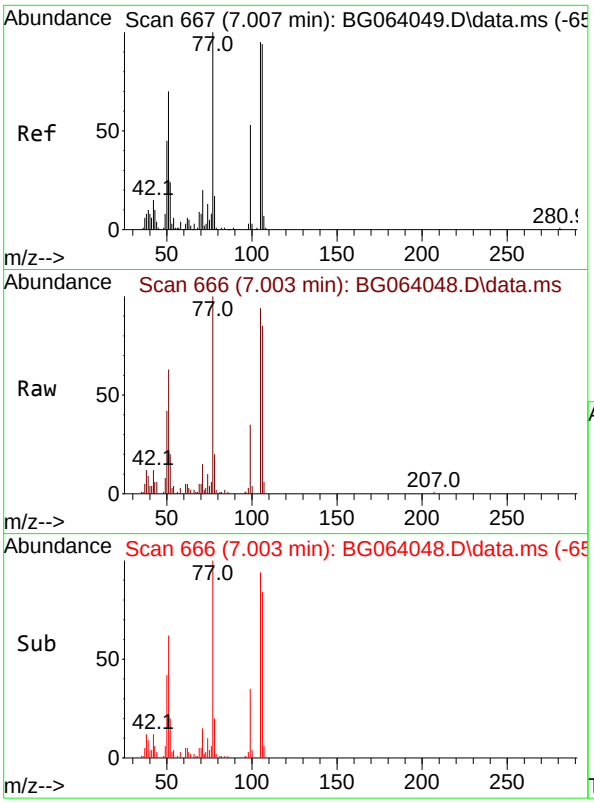


#8
2-Chlorophenol
Concen: 20.527 ng
RT: 7.432 min Scan# 739
Delta R.T. 0.002 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:128 Resp: 46053

Ion	Ratio	Lower	Upper
128	100		
130	29.8	12.3	52.3
64	48.3	37.0	77.0

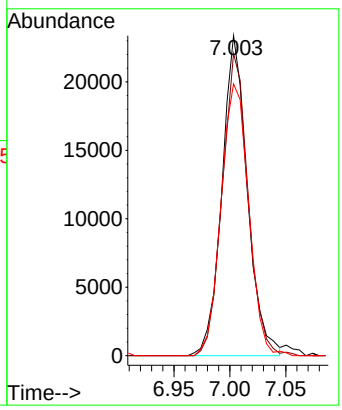




#9
Benzaldehyde
Concen: 22.246 ng m
RT: 7.003 min Scan# 6
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion: 77 Resp: 3695

Ion	Ratio	Lower	Upper
77	100		
105	94.5	75.5	115.5
106	84.9	74.2	114.2



Instrument :
BNA_G
ClientSampleId :
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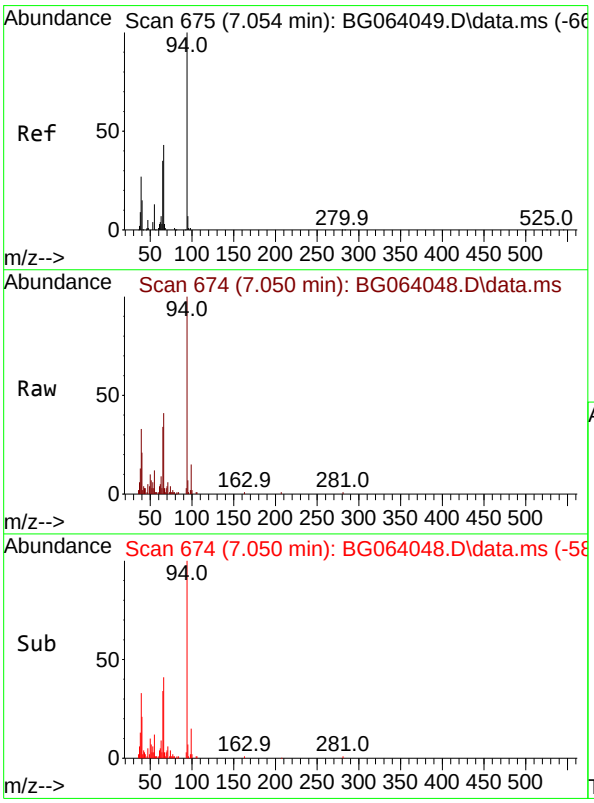
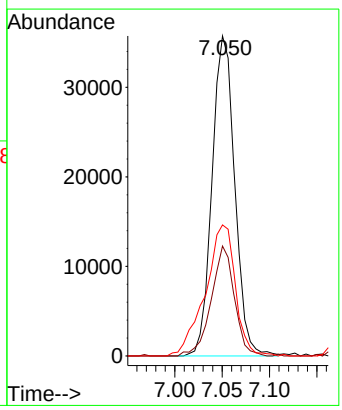
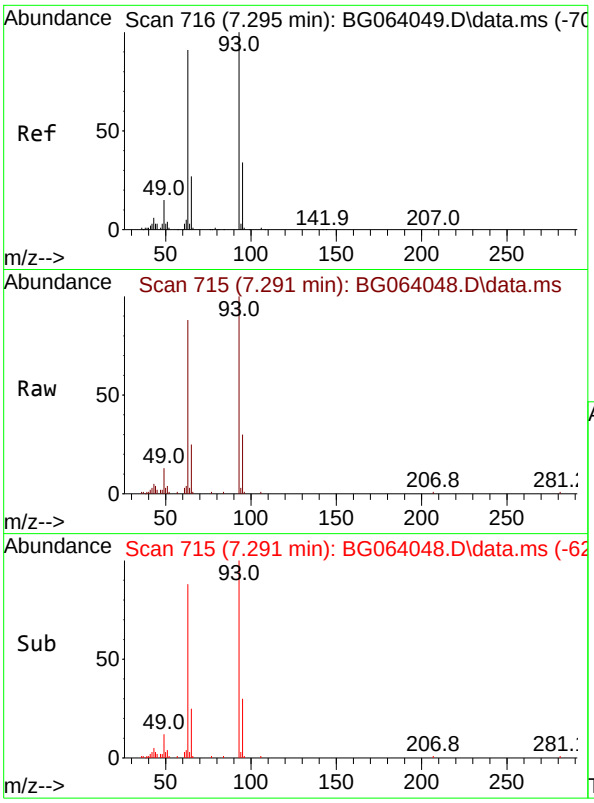


#10
Phenol
Concen: 20.473 ng
RT: 7.050 min Scan# 674
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion: 94 Resp: 59566

Ion	Ratio	Lower	Upper
94	100		
65	34.3	15.2	55.2
66	41.0	25.1	65.1

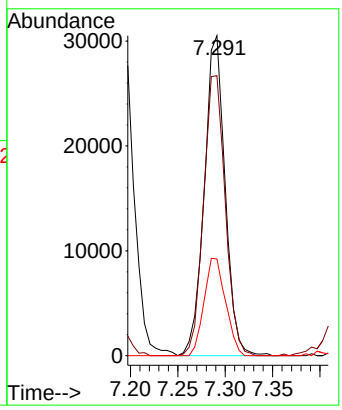




#11
bis(2-Chloroethyl)ether
Concen: 20.359 ng
RT: 7.291 min Scan# 7
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion: 93 Resp: 4643

Ion	Ratio	Lower	Upper
93	100		
63	87.5	70.0	110.0
95	30.2	13.7	53.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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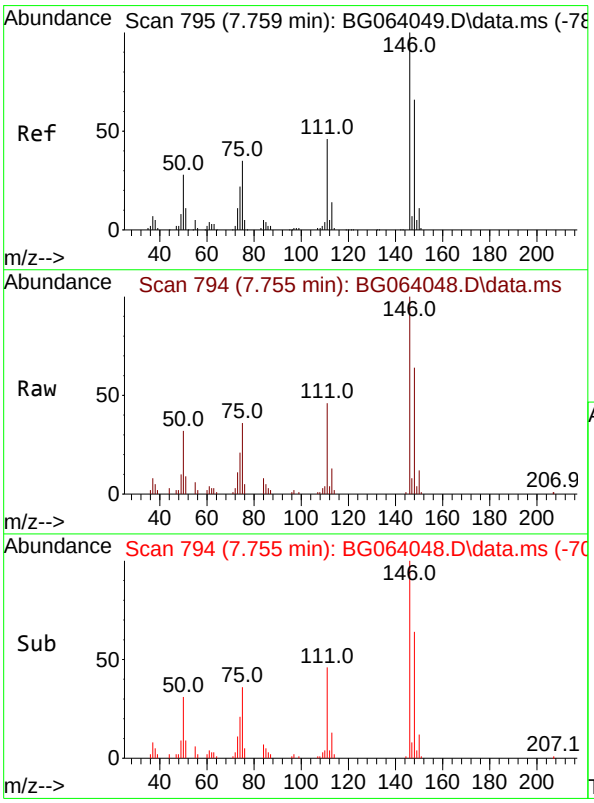
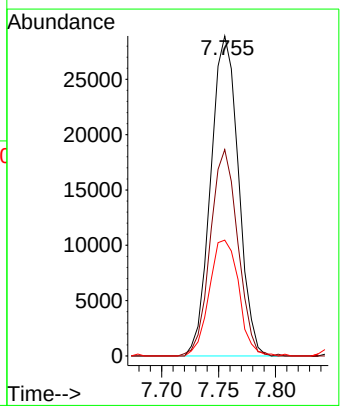
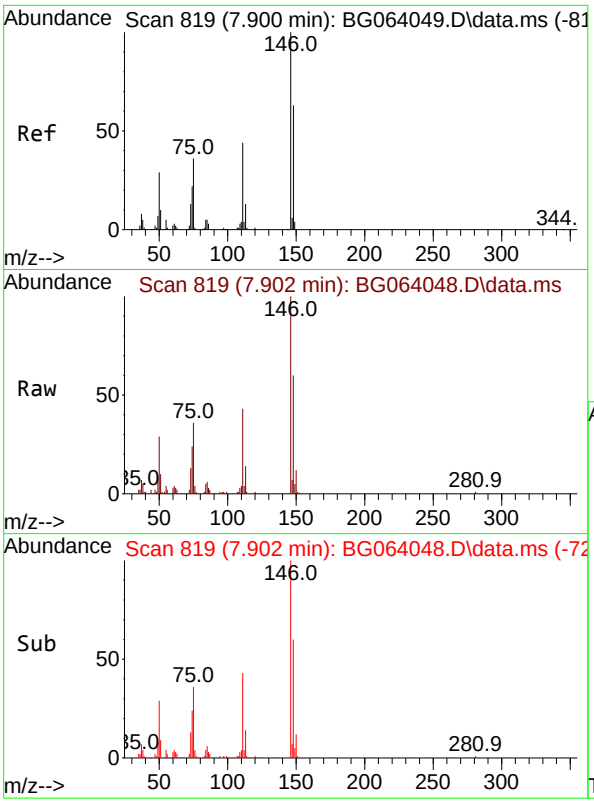


#12
1,3-Dichlorobenzene
Concen: 19.871 ng
RT: 7.755 min Scan# 794
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:146 Resp: 48956

Ion	Ratio	Lower	Upper
146	100		
148	64.5	52.6	78.8
75	36.2	28.1	42.1





#13
1,4-Dichlorobenzene
Concen: 20.757 ng
RT: 7.902 min Scan# 81
Delta R.T. 0.002 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:146 Resp: 5241

Ion	Ratio	Lower	Upper
146	100		
148	60.4	50.6	75.8
111	43.1	35.1	52.7

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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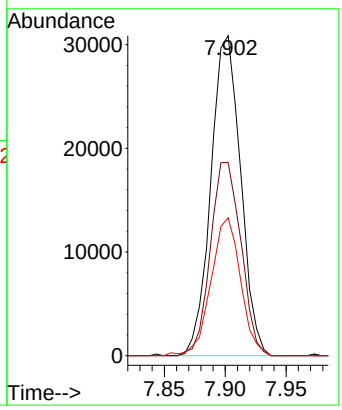
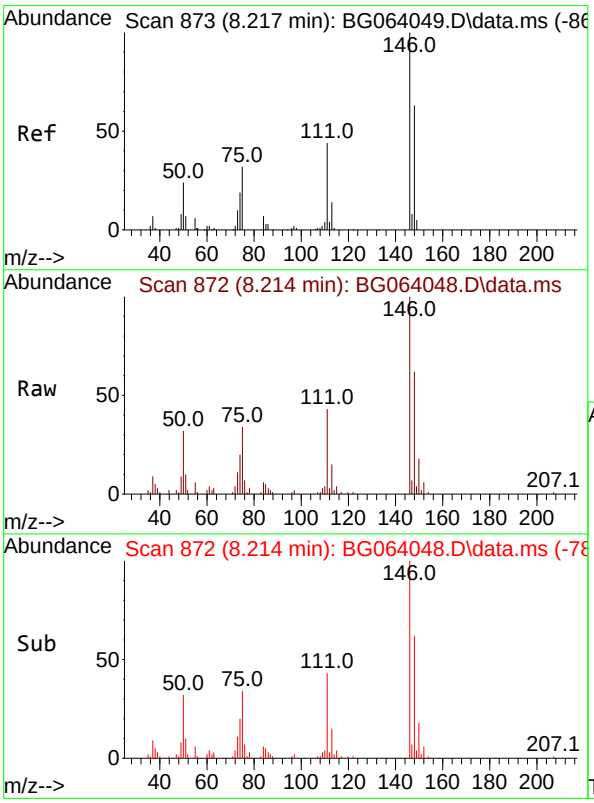
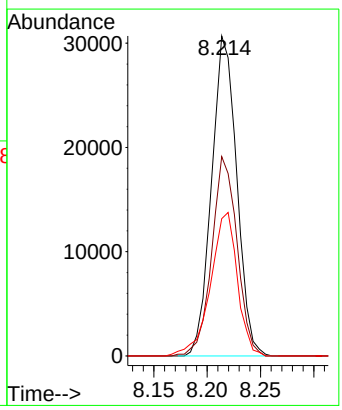


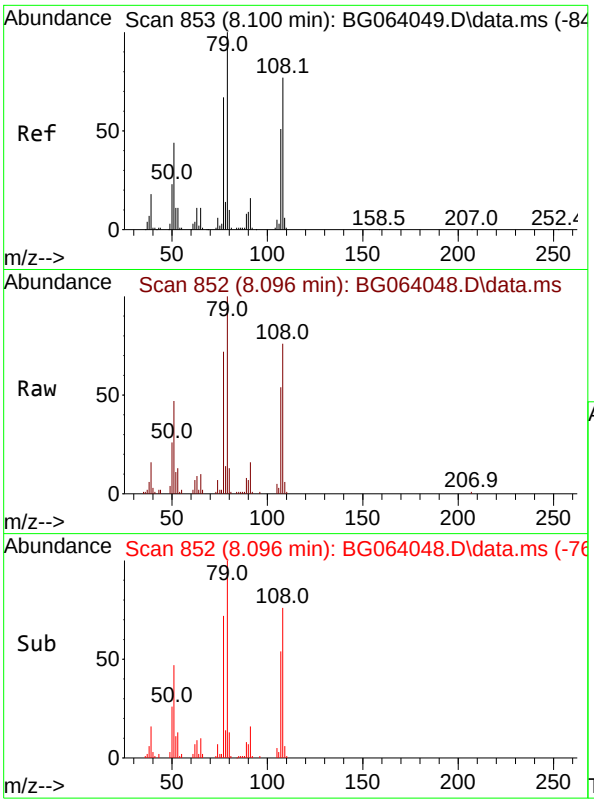


#14
1,2-Dichlorobenzene
Concen: 20.663 ng
RT: 8.214 min Scan# 872
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:146 Resp: 50317

Ion	Ratio	Lower	Upper
146	100		
148	62.3	50.2	75.2
111	42.9	36.4	54.6

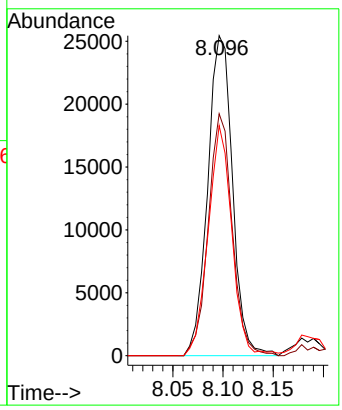




#15
Benzyl Alcohol
Concen: 19.946 ng
RT: 8.096 min Scan# 8
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion: 79 Resp: 4380

Ion	Ratio	Lower	Upper
79	100		
108	75.6	61.7	92.5
77	71.9	53.9	80.9



Instrument :
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ClientSampleId :
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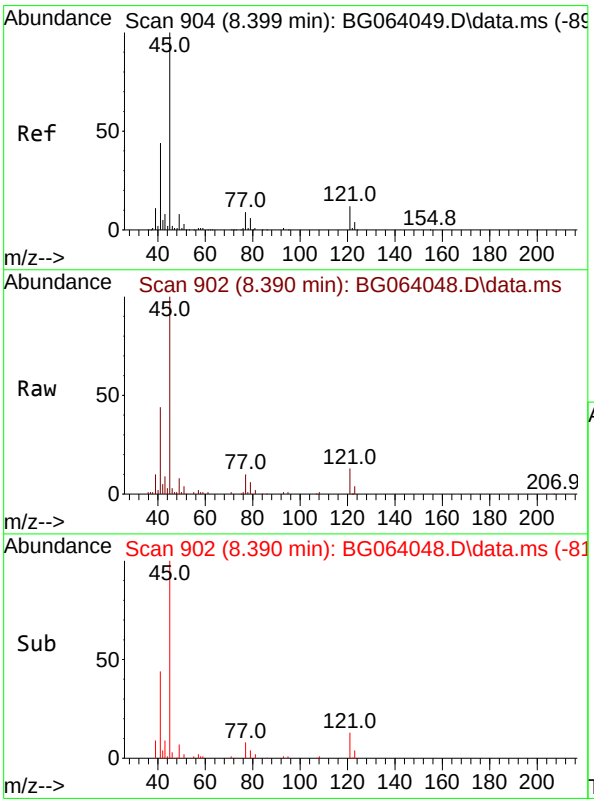
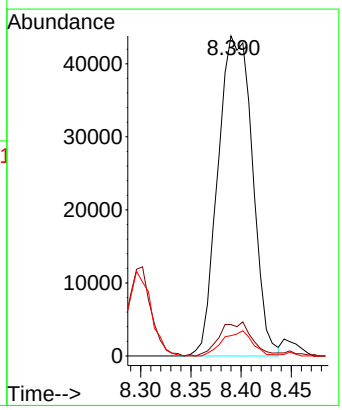
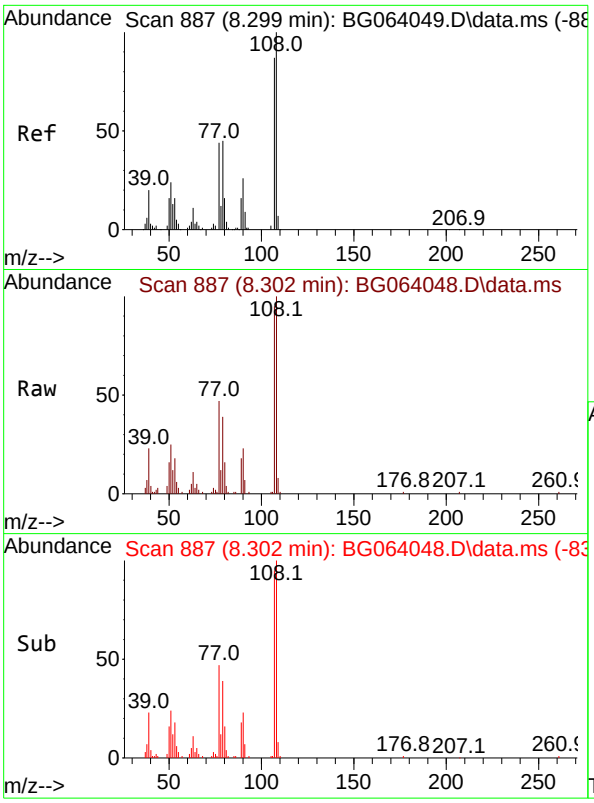


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.405 ng
RT: 8.390 min Scan# 902
Delta R.T. -0.009 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion: 45 Resp: 104660

Ion	Ratio	Lower	Upper
45	100		
77	9.8	0.0	29.0
79	6.3	0.0	26.6

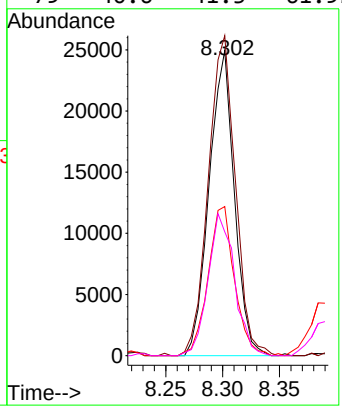




#17
2-Methylphenol
Concen: 19.883 ng
RT: 8.302 min Scan# 8
Delta R.T. 0.002 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:107 Resp: 3839

Ion	Ratio	Lower	Upper
107	100		
108	104.8	92.5	138.7
77	48.9	40.5	60.7
79	40.6	41.3	61.9#



Instrument :
BNA_G
ClientSampleId :
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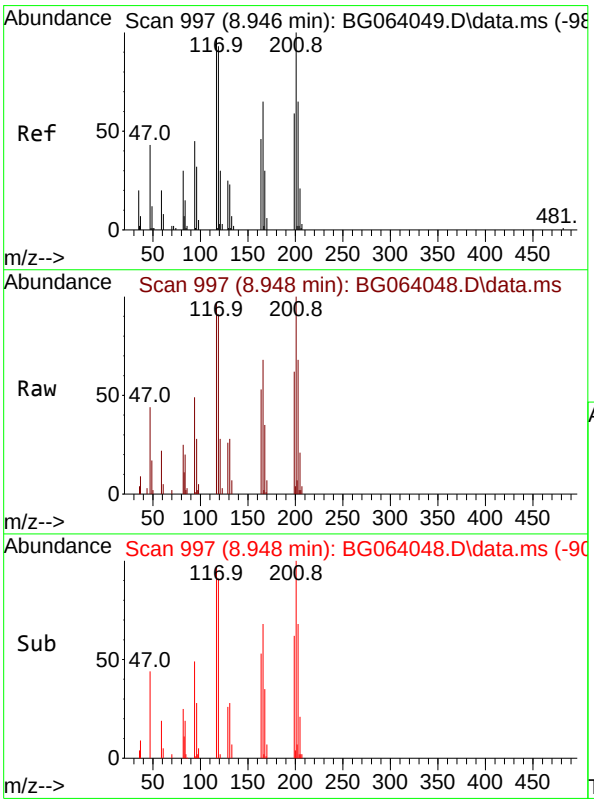
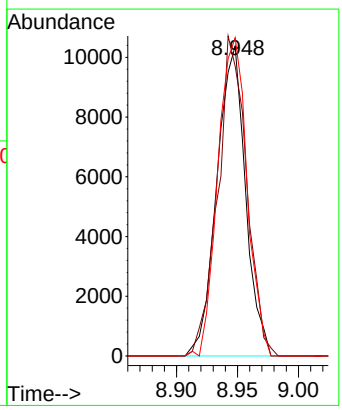
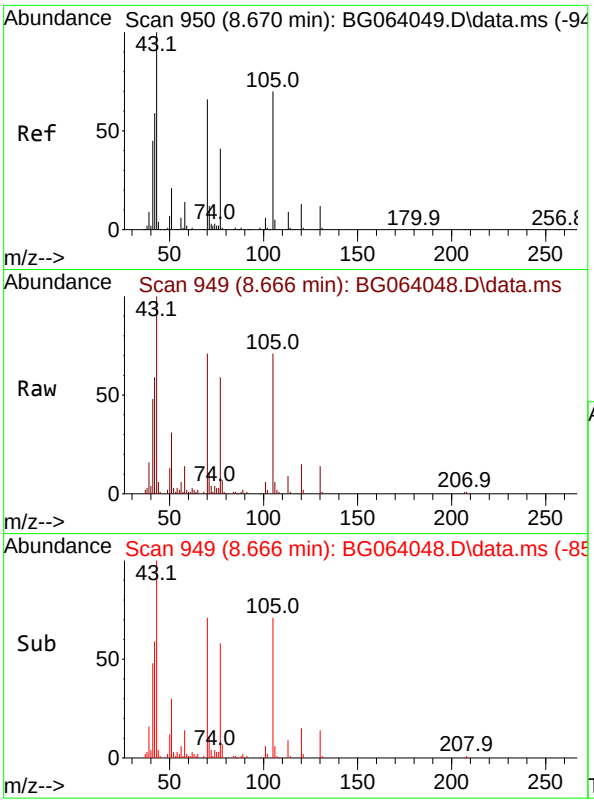


#18
Hexachloroethane
Concen: 19.194 ng
RT: 8.948 min Scan# 997
Delta R.T. 0.002 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:117 Resp: 16959

Ion	Ratio	Lower	Upper
117	100		
119	93.5	76.2	114.2
201	102.7	81.5	122.3

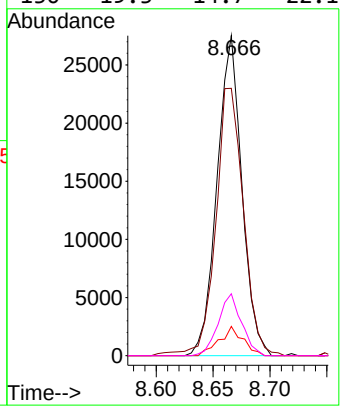




#19
n-Nitroso-di-n-propylamine
Concen: 20.960 ng
RT: 8.666 min Scan# 94
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion: 70 Resp: 4180

Ion	Ratio	Lower	Upper
70	100		
42	83.5	72.1	108.1
101	9.2	7.2	10.8
130	19.3	14.7	22.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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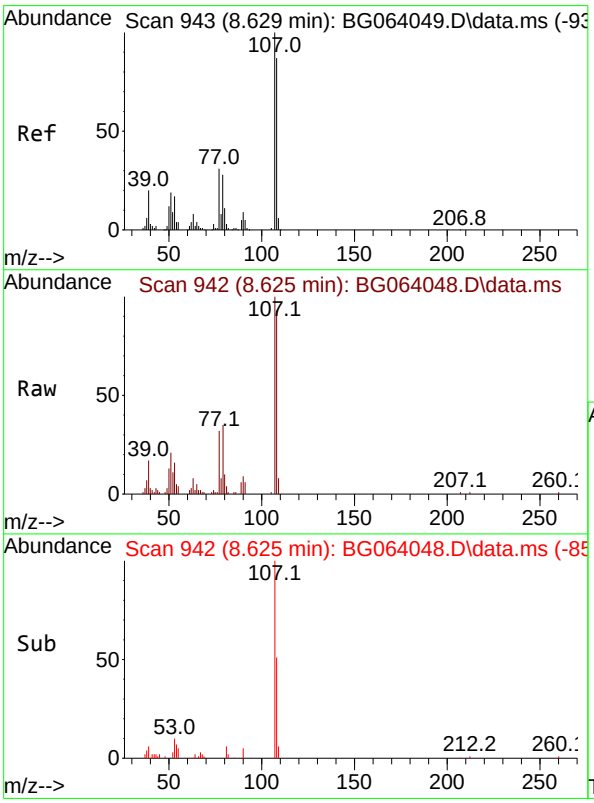
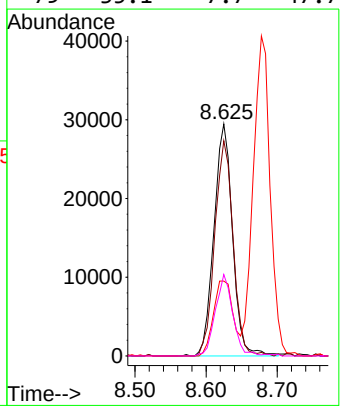
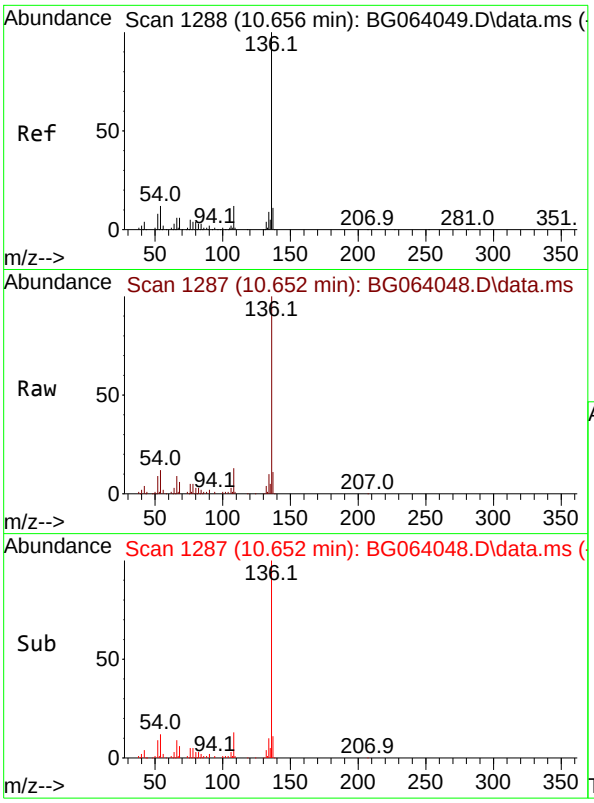


#20
3+4-Methylphenols
Concen: 20.102 ng
RT: 8.625 min Scan# 942
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:107 Resp: 53440

Ion	Ratio	Lower	Upper
107	100		
108	92.8	67.0	107.0
77	32.3	11.2	51.2
79	35.1	7.7	47.7

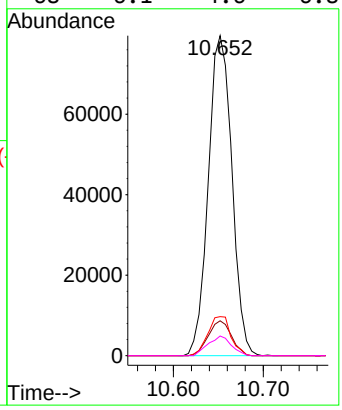




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.652 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:136 Resp: 14508

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	12.2	9.9	14.9
68	6.1	4.6	6.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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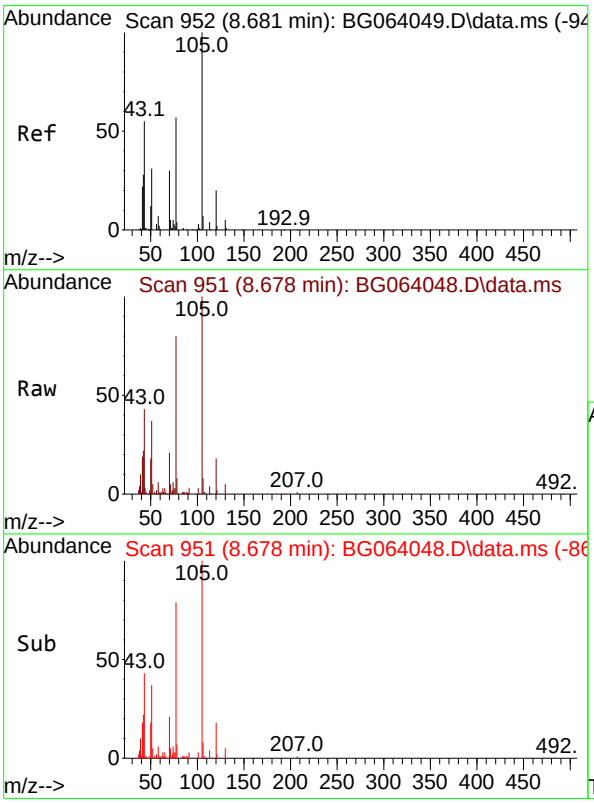
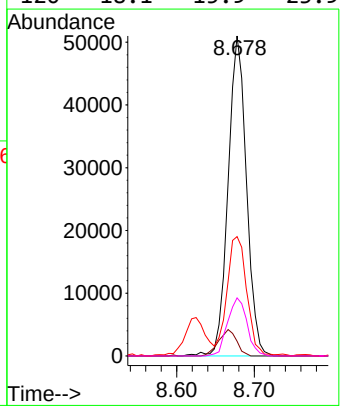
Supervised By :mohammad ahmed 03/07/2025

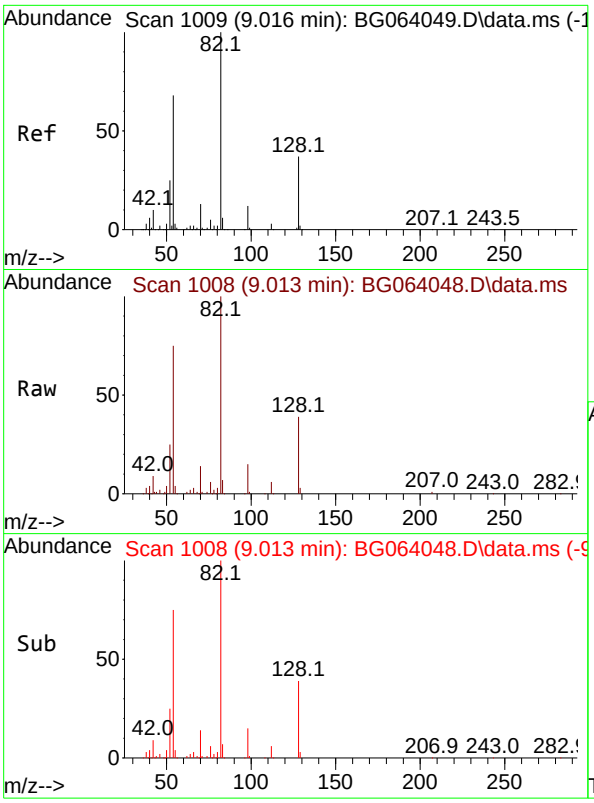


#22
Acetophenone
Concen: 21.140 ng
RT: 8.678 min Scan# 951
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:105 Resp: 84092

Ion	Ratio	Lower	Upper
105	100		
71	4.6	4.2	6.4
51	37.3	33.3	49.9
120	18.1	15.9	23.9

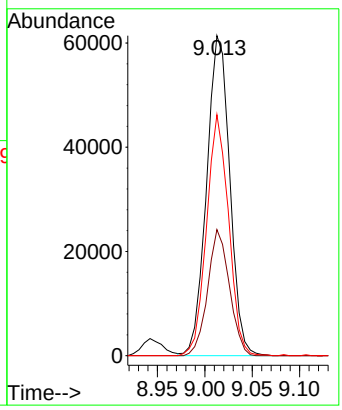




#23
Nitrobenzene-d5
Concen: 39.746 ng
RT: 9.013 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion: 82 Resp: 10434

Ion	Ratio	Lower	Upper
82	100		
128	39.4	30.0	45.0
54	75.3	54.7	82.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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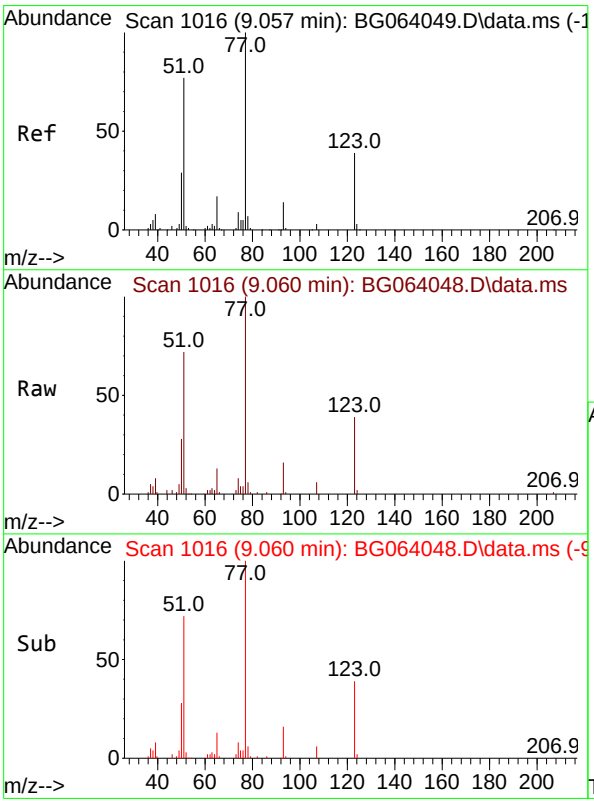
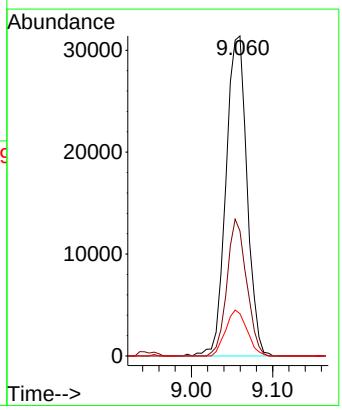
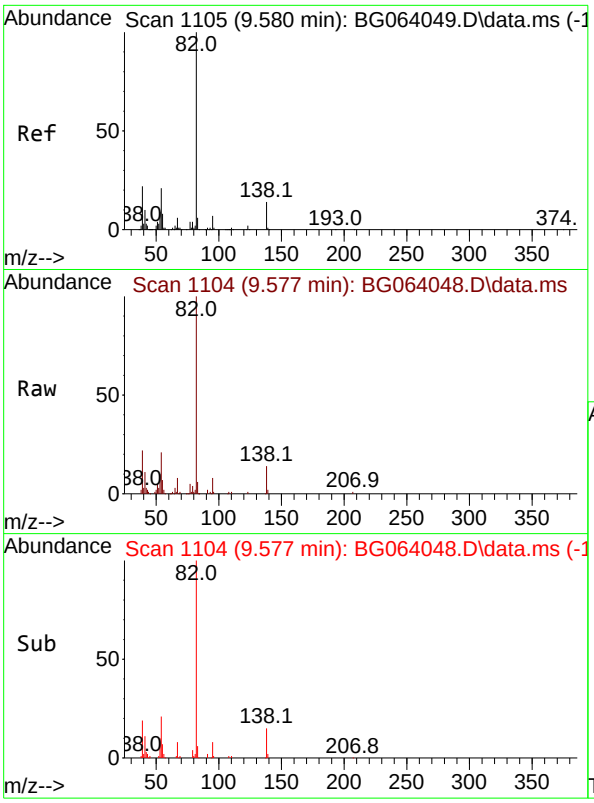


#24
Nitrobenzene
Concen: 20.828 ng
RT: 9.060 min Scan# 1016
Delta R.T. 0.002 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion: 77 Resp: 56511

Ion	Ratio	Lower	Upper
77	100		
123	39.1	31.4	47.2
65	13.2	13.4	20.0#

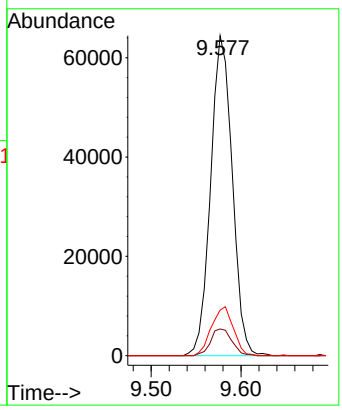




#25
Isophorone
Concen: 20.530 ng
RT: 9.577 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion: 82 Resp: 10788

Ion	Ratio	Lower	Upper
82	100		
95	8.3	5.8	8.8
138	14.3	10.9	16.3



Instrument :
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ClientSampleId :
SSTDICC020

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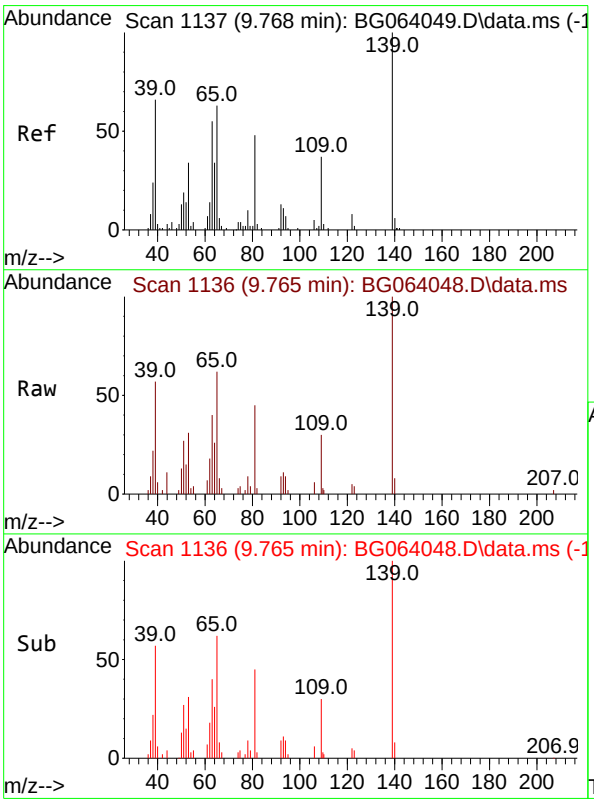
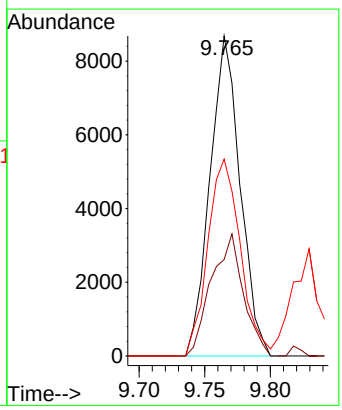
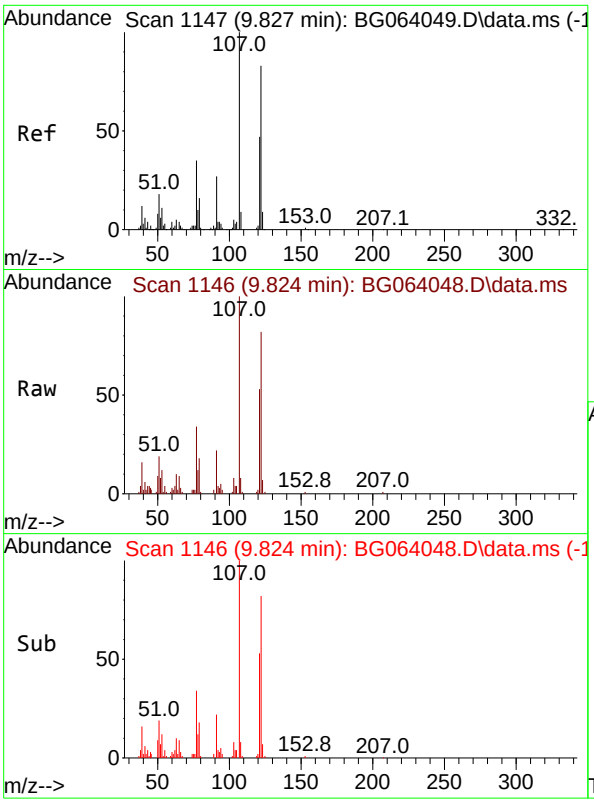


#26
2-Nitrophenol
Concen: 18.663 ng
RT: 9.765 min Scan# 1136
Delta R.T. -0.003 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:139 Resp: 13886

Ion	Ratio	Lower	Upper
139	100		
109	33.1	29.9	44.9
65	61.5	50.6	76.0

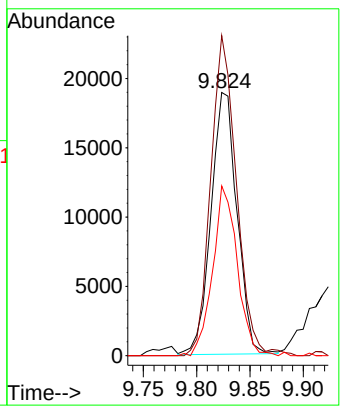




#27
2,4-Dimethylphenol
Concen: 20.322 ng
RT: 9.824 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:122 Resp: 3201

Ion	Ratio	Lower	Upper
122	100		
107	121.6	95.4	143.0
121	64.5	44.9	67.3



Instrument :
BNA_G
ClientSampleId :
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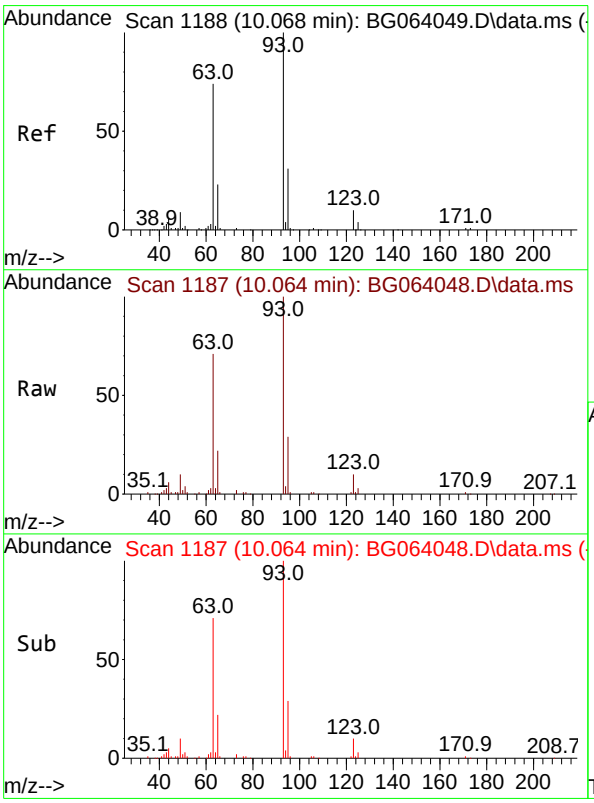
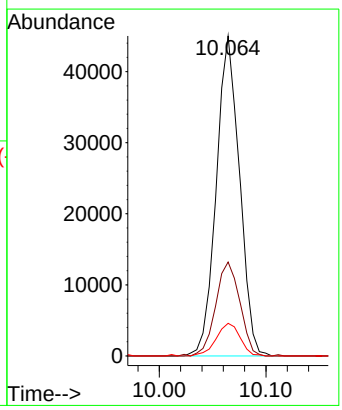
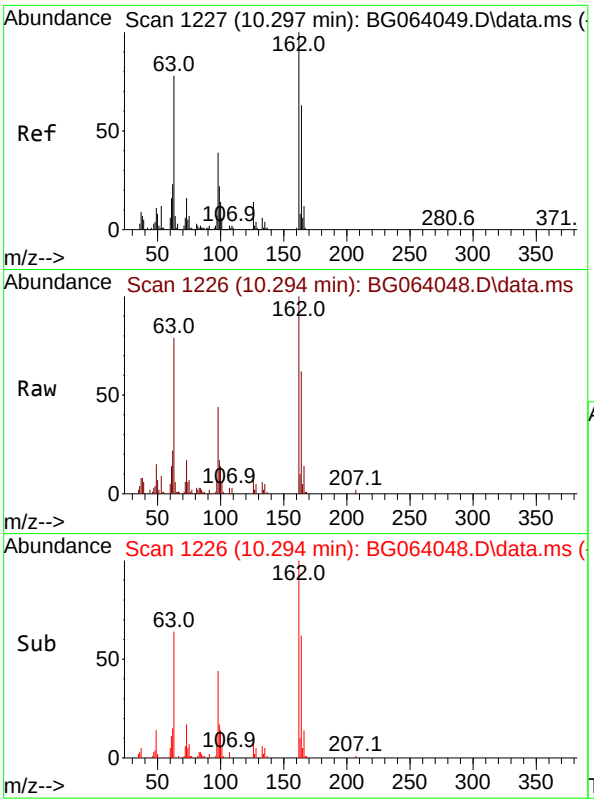


#28
bis(2-Chloroethoxy)methane
Concen: 21.327 ng
RT: 10.064 min Scan# 1187
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion: 93 Resp: 67945

Ion	Ratio	Lower	Upper
93	100		
95	29.3	25.0	37.4
123	10.2	7.6	11.4

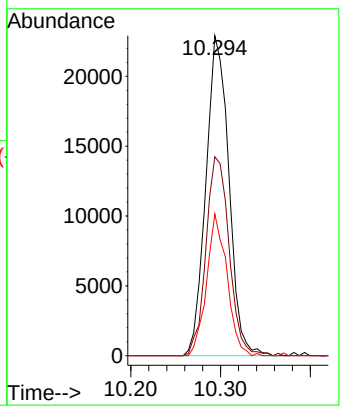




#29
2,4-Dichlorophenol
Concen: 20.475 ng
RT: 10.294 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:162 Resp: 4072

Ion	Ratio	Lower	Upper
162	100		
164	62.2	42.8	82.8
98	44.3	19.1	59.1



Instrument :
BNA_G
ClientSampleId :
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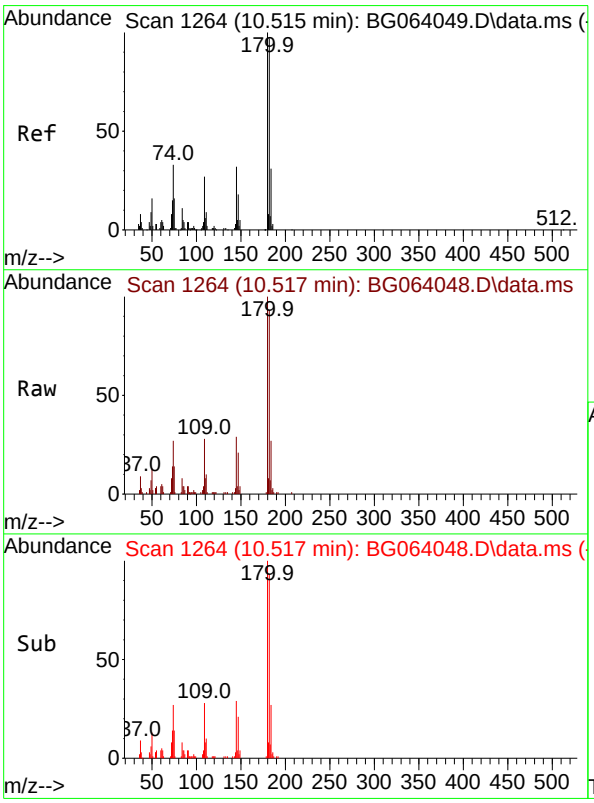
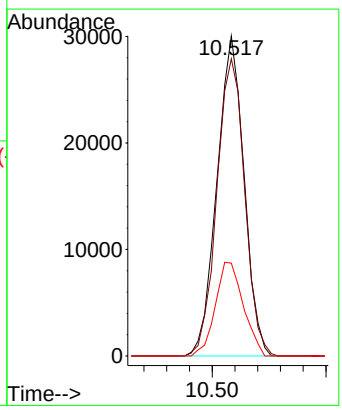
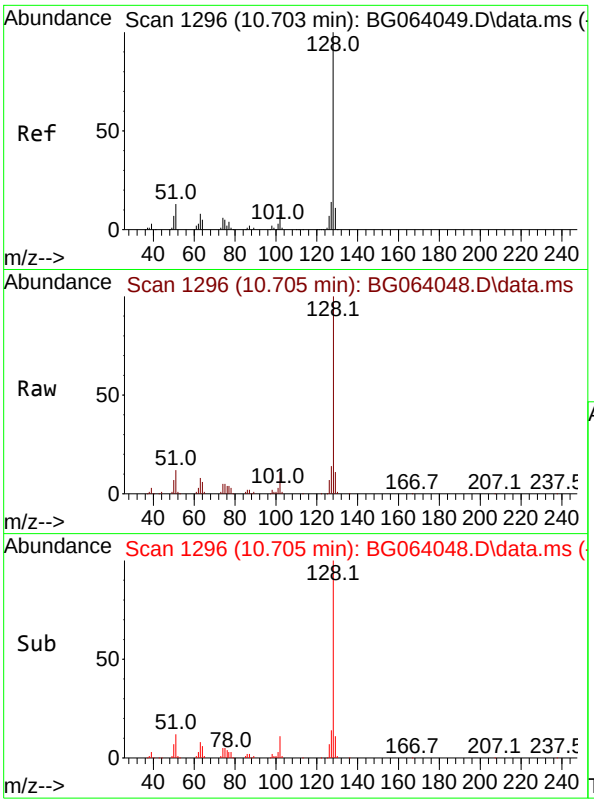


#30
1,2,4-Trichlorobenzene
Concen: 20.698 ng
RT: 10.517 min Scan# 1264
Delta R.T. 0.002 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:180 Resp: 49701

Ion	Ratio	Lower	Upper
180	100		
182	92.8	77.3	115.9
145	29.0	25.2	37.8

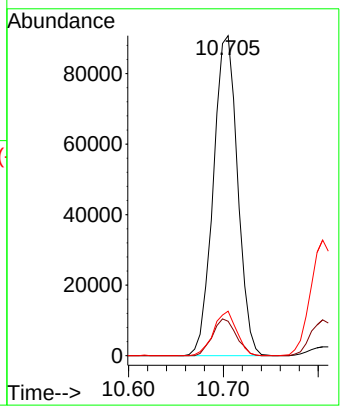




#31
Naphthalene
Concen: 20.654 ng
RT: 10.705 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:128 Resp: 16158

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.4	12.6
127	13.9	11.1	16.7



Instrument :
BNA_G
ClientSampleId :
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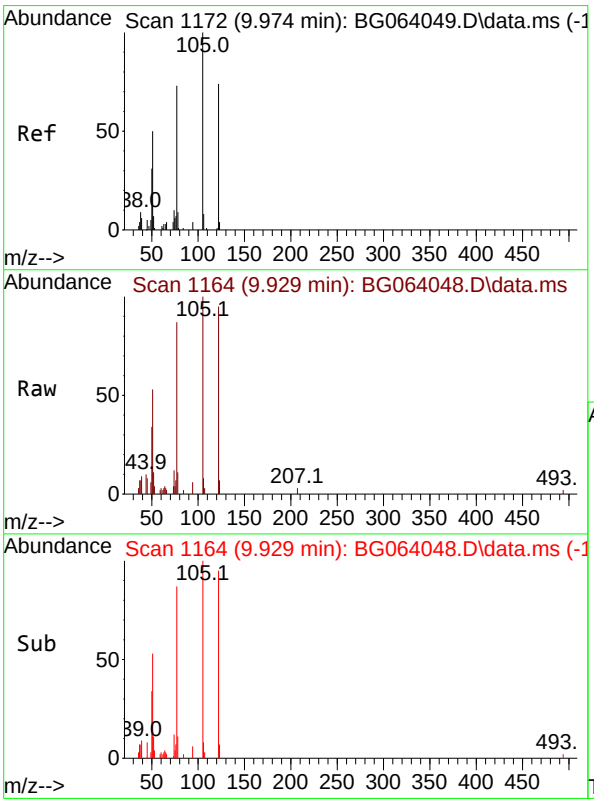
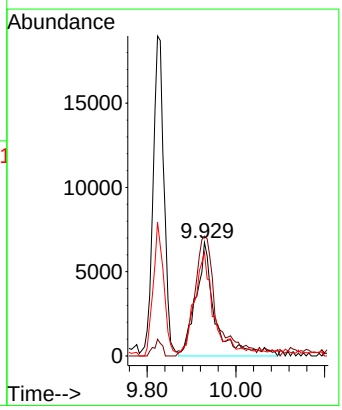
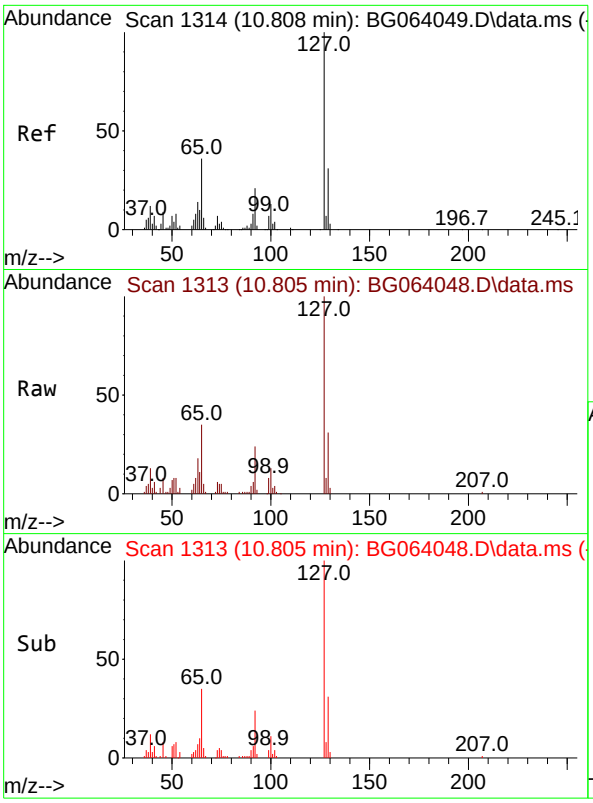


#32
Benzoic acid
Concen: 20.131 ng m
RT: 9.929 min Scan# 1164
Delta R.T. -0.045 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:122 Resp: 20223

Ion	Ratio	Lower	Upper
122	100		
105	105.6	115.0	155.0#
77	91.5	80.9	120.9

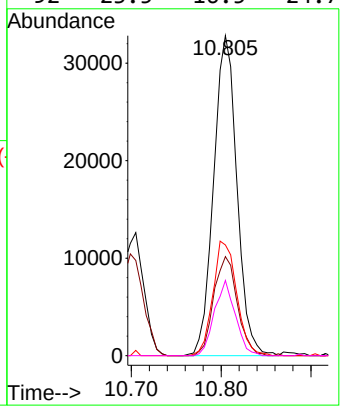




#33
4-Chloroaniline
Concen: 20.668 ng
RT: 10.805 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:127 Resp: 5909

Ion	Ratio	Lower	Upper
127	100		
129	30.9	25.0	37.4
65	34.6	28.5	42.7
92	23.5	16.5	24.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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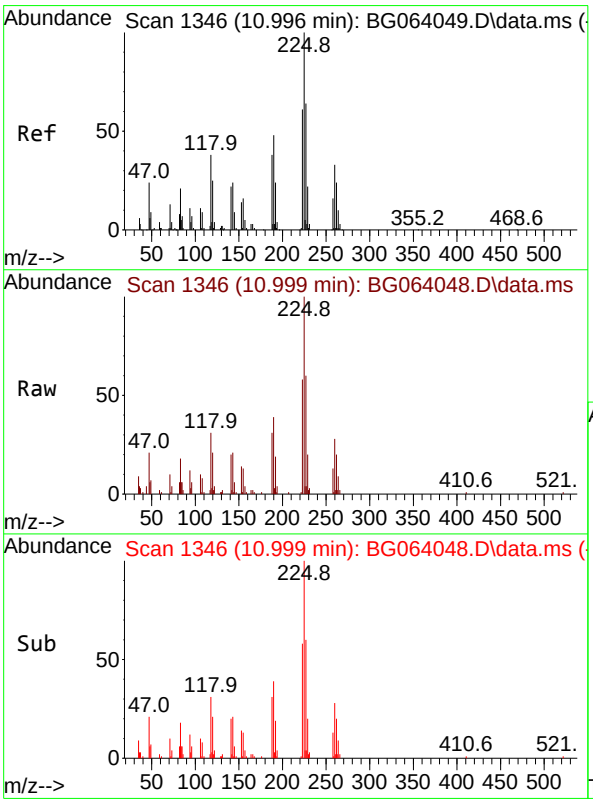
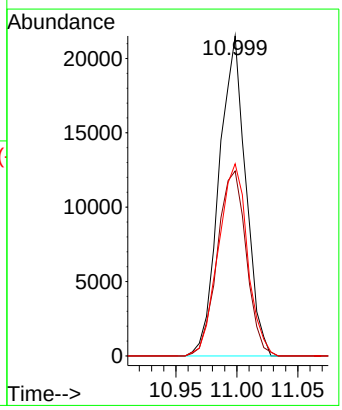
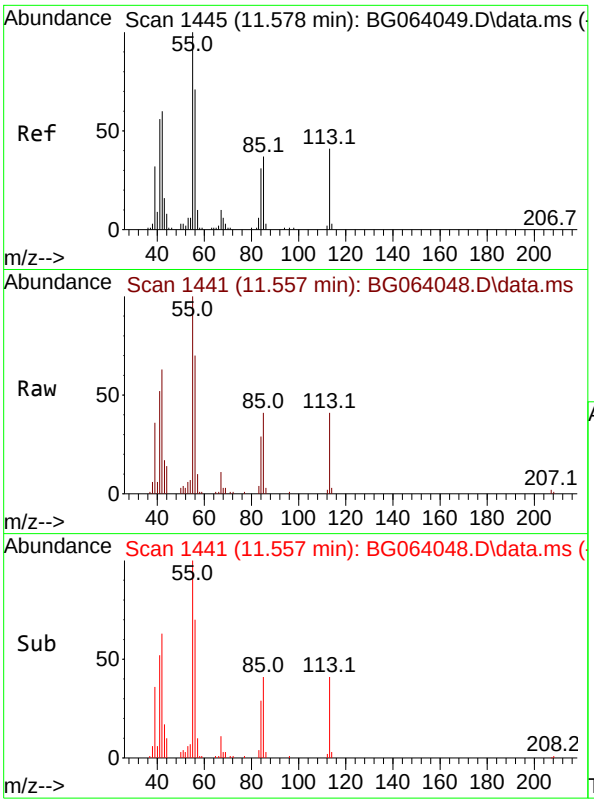


#34
Hexachlorobutadiene
Concen: 20.760 ng
RT: 10.999 min Scan# 1346
Delta R.T. 0.002 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:225 Resp: 32675

Ion	Ratio	Lower	Upper
225	100		
223	57.8	48.5	72.7
227	60.1	51.0	76.6

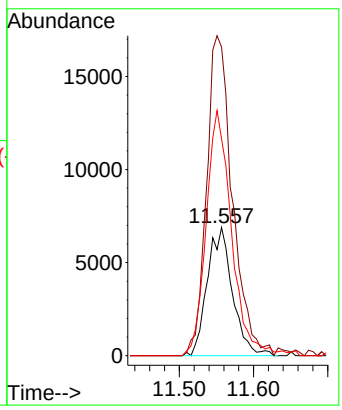




#35
Caprolactam
Concen: 21.319 ng
RT: 11.557 min Scan# 14
Delta R.T. -0.021 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:113 Resp: 1625

Ion	Ratio	Lower	Upper
113	100		
55	241.0	225.2	265.2
56	169.2	153.4	193.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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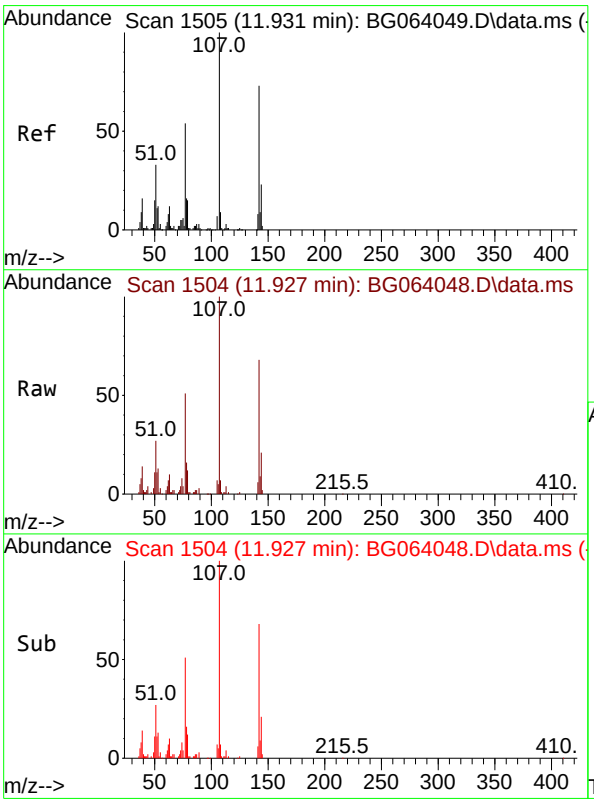
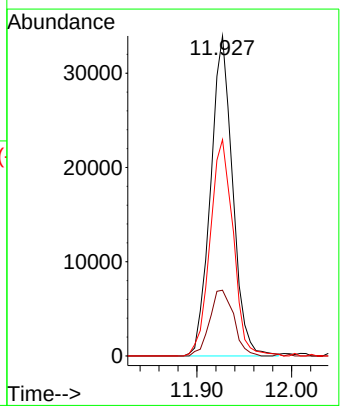
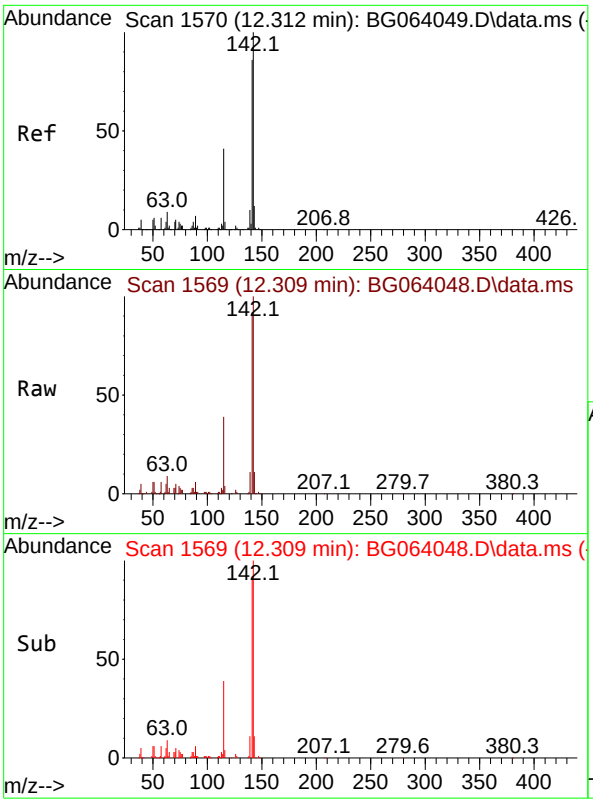


#36
4-Chloro-3-methylphenol
Concen: 21.103 ng
RT: 11.927 min Scan# 1504
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:107 Resp: 55024

Ion	Ratio	Lower	Upper
107	100		
144	20.5	18.6	28.0
142	67.6	58.0	87.0

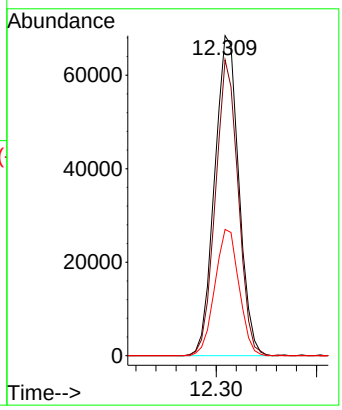




#37
2-Methylnaphthalene
Concen: 20.696 ng
RT: 12.309 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:142 Resp: 11430

Ion	Ratio	Lower	Upper
142	100		
141	92.5	68.6	103.0
115	39.4	32.8	49.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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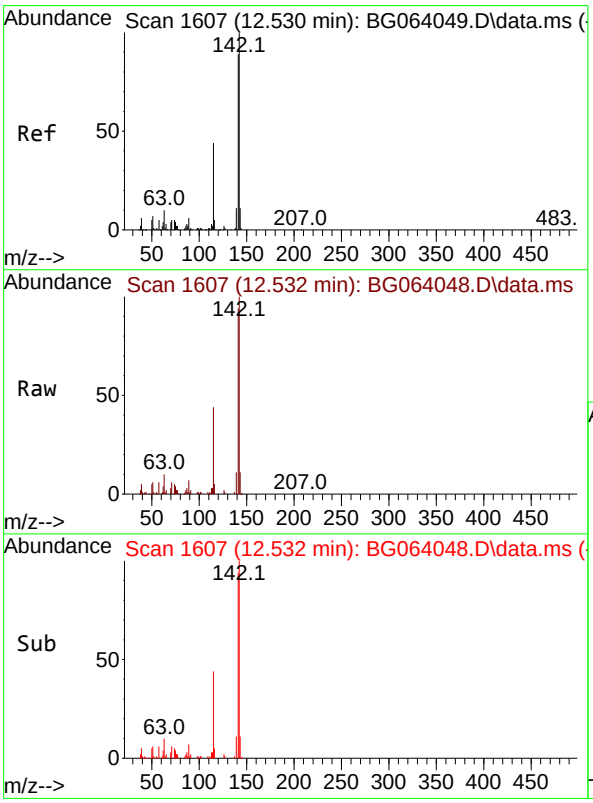
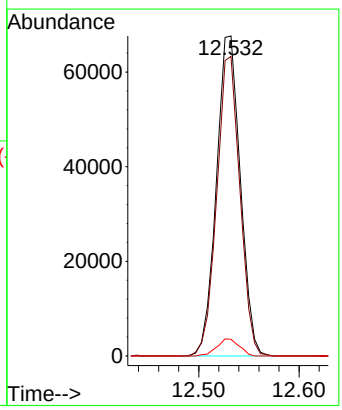
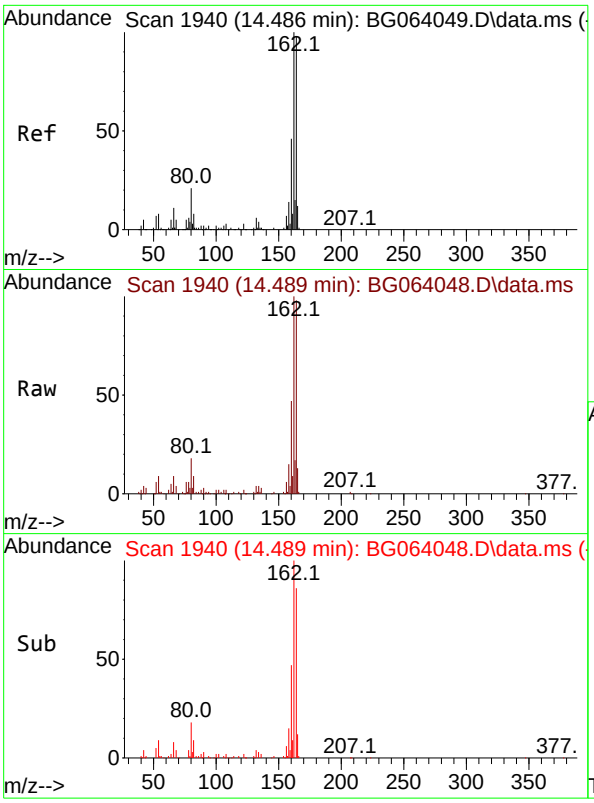


#38
1-Methylnaphthalene
Concen: 20.668 ng
RT: 12.532 min Scan# 1607
Delta R.T. 0.002 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:142 Resp: 111828

Ion	Ratio	Lower	Upper
142	100		
141	93.6	71.2	106.8
116	5.2	3.6	5.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.489 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:164 Resp: 10233

Ion	Ratio	Lower	Upper
164	100		
162	102.5	81.4	122.0
160	48.6	37.0	55.6

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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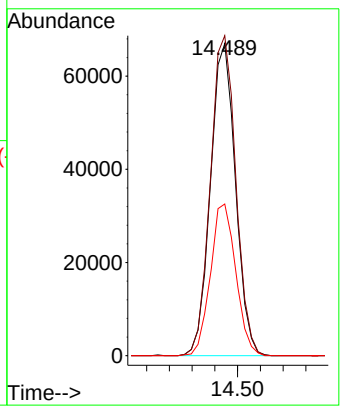
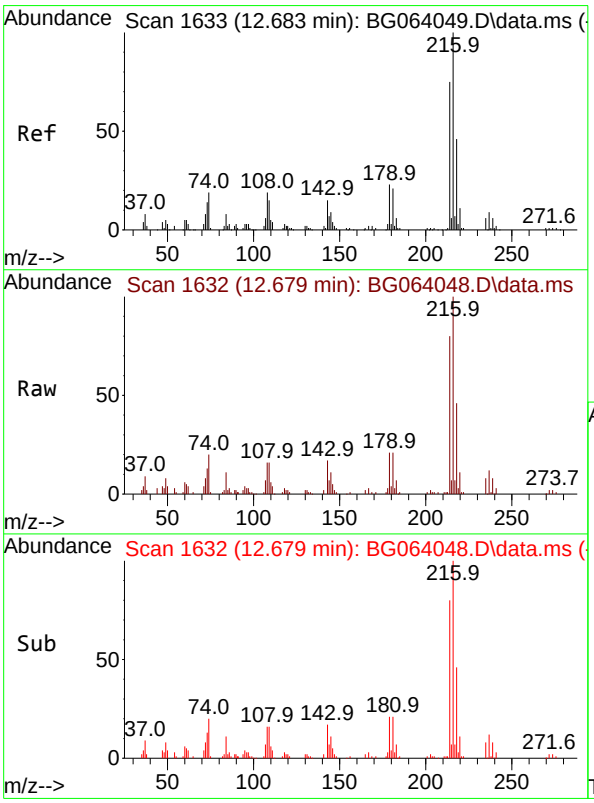
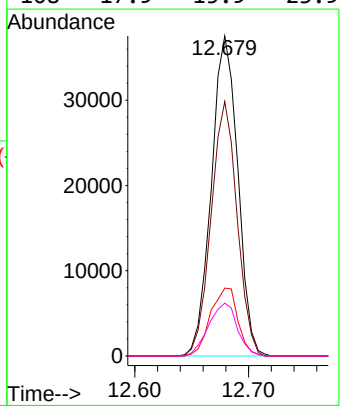


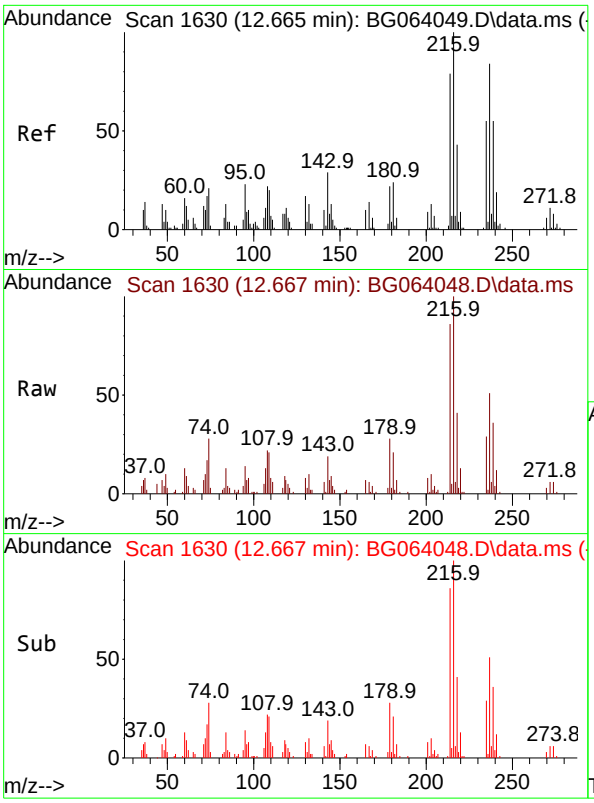


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.727 ng
RT: 12.679 min Scan# 1632
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:216 Resp: 60556

Ion	Ratio	Lower	Upper
216	100		
214	78.2	61.7	92.5
179	22.0	17.9	26.9
108	17.9	15.9	23.9





#41
Hexachlorocyclopentadiene
Concen: 20.029 ng
RT: 12.667 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion:237 Resp: 1647

Ion	Ratio	Lower	Upper
237	100		
235	57.4	46.0	86.0
272	11.6	0.0	32.8

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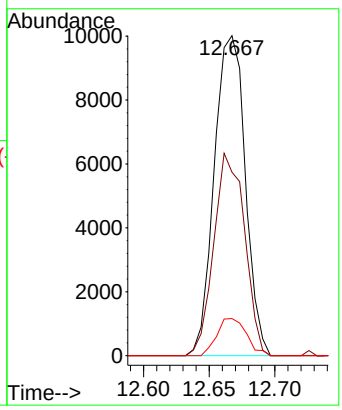
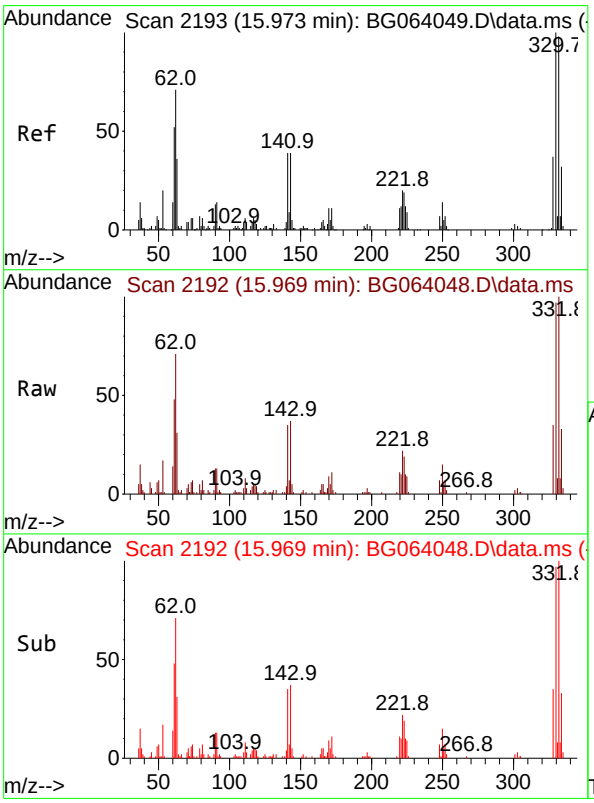
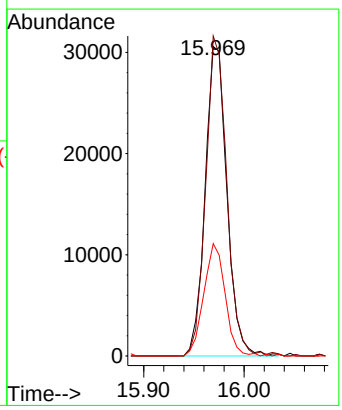


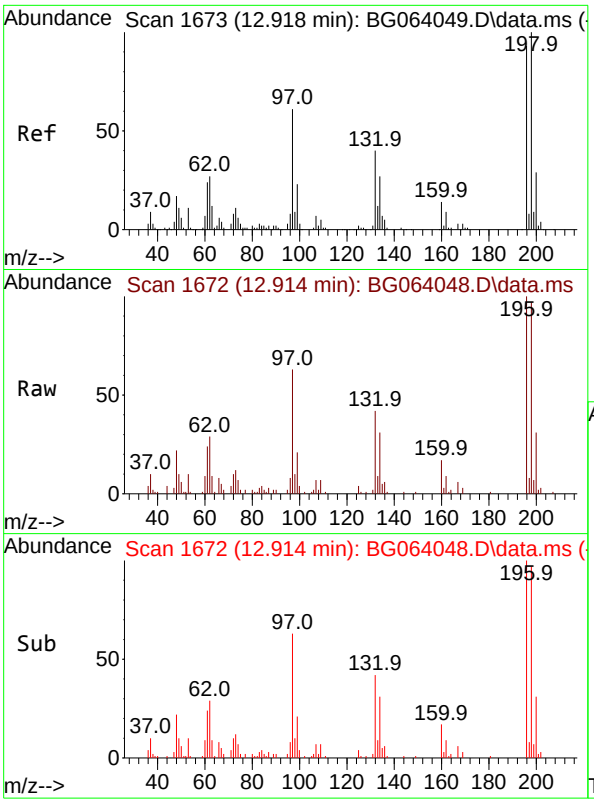


#42
2,4,6-Tribromophenol
Concen: 40.723 ng
RT: 15.969 min Scan# 2192
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:330 Resp: 46324

Ion	Ratio	Lower	Upper
330	100		
332	99.8	76.7	115.1
141	35.7	29.7	44.5

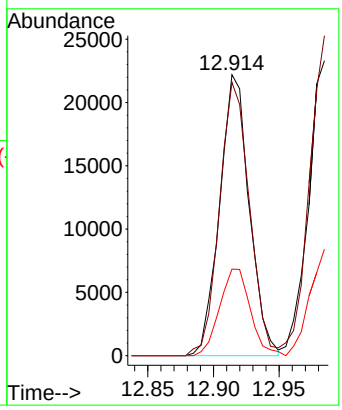




#43
2,4,6-Trichlorophenol
Concen: 20.264 ng
RT: 12.914 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:196 Resp: 3489

Ion	Ratio	Lower	Upper
196	100		
198	97.3	85.6	128.4
200	30.8	24.6	37.0



Instrument :
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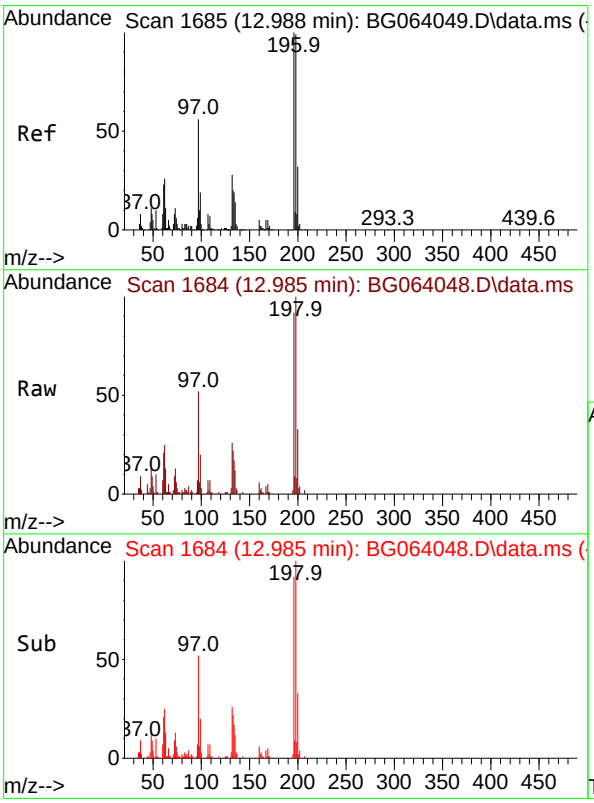
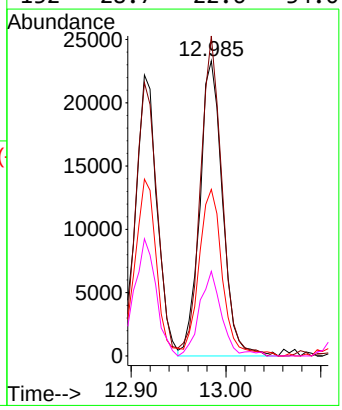
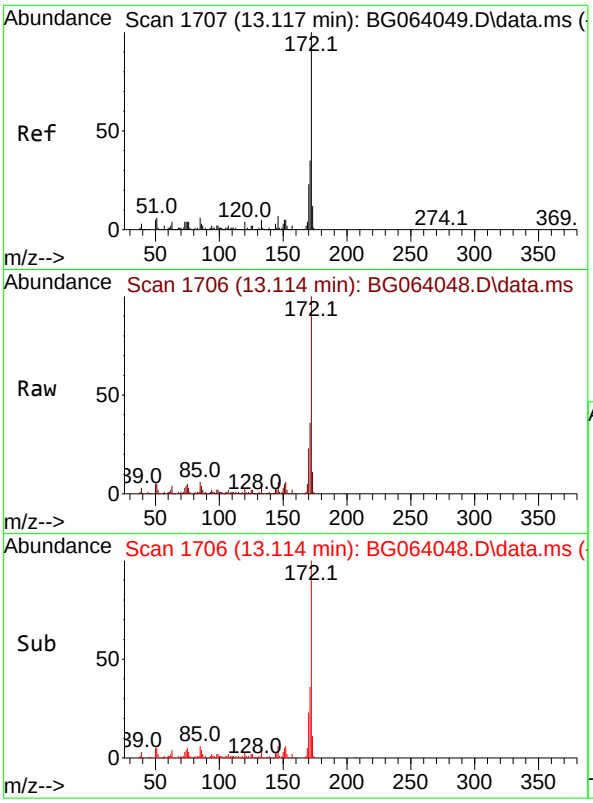


#44
2,4,5-Trichlorophenol
Concen: 20.381 ng
RT: 12.985 min Scan# 1684
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:196 Resp: 38995

Ion	Ratio	Lower	Upper
196	100		
198	108.4	79.5	119.3
97	56.4	45.2	67.8
132	28.7	22.6	34.0

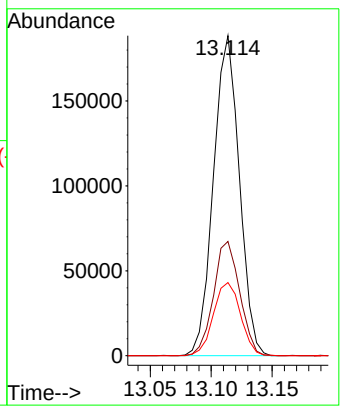




#45
2-Fluorobiphenyl
Concen: 41.267 ng
RT: 13.114 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:172 Resp: 27822

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.0	42.0
170	22.9	18.7	28.1



Instrument :
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ClientSampleId :
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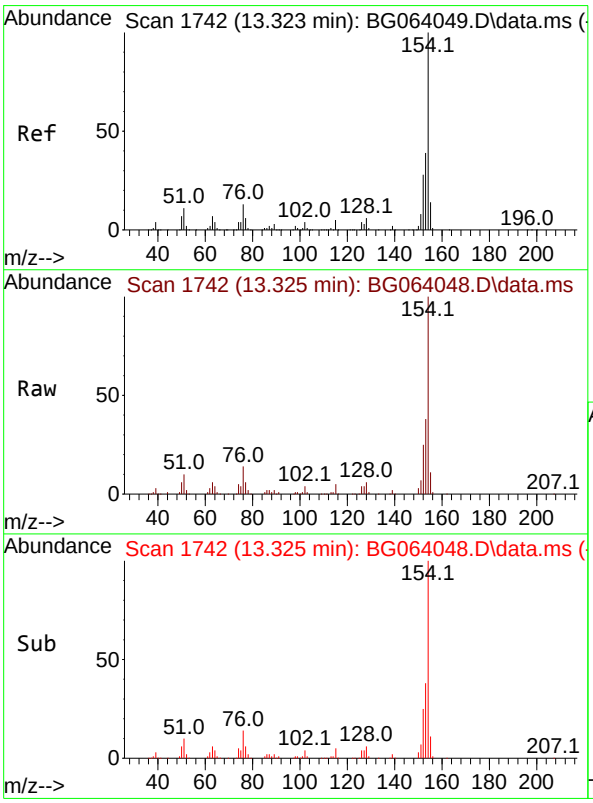
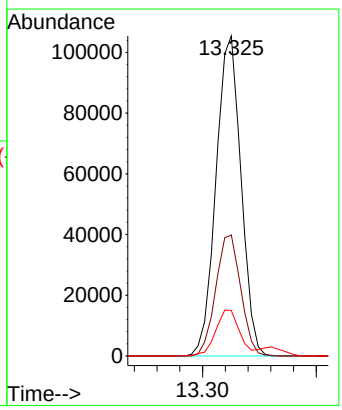
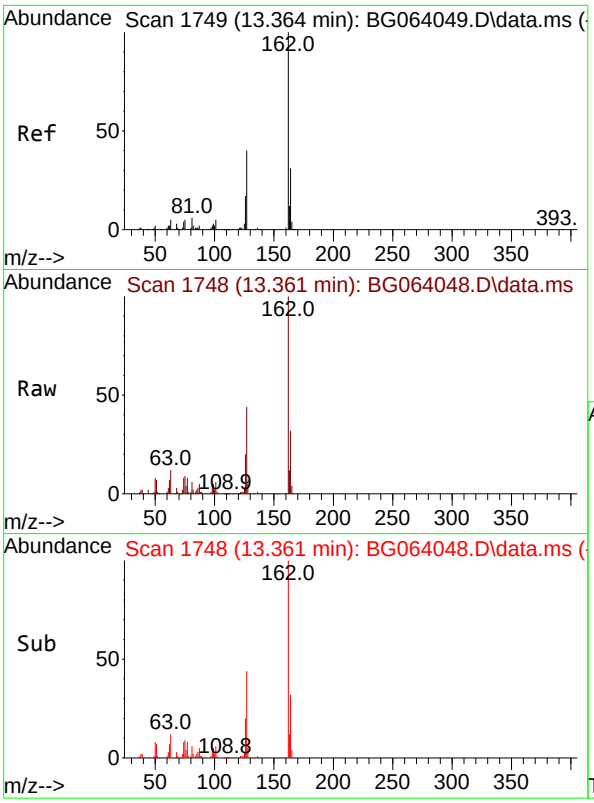


#46
1,1'-Biphenyl
Concen: 20.803 ng
RT: 13.325 min Scan# 1742
Delta R.T. 0.002 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:154 Resp: 160835

Ion	Ratio	Lower	Upper
154	100		
153	37.8	19.5	59.5
76	14.2	0.0	33.5

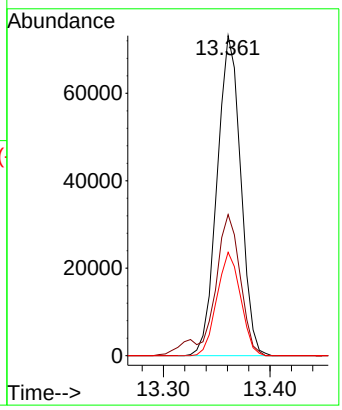




#47
2-Chloronaphthalene
Concen: 19.971 ng
RT: 13.361 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:162 Resp: 11261

Ion	Ratio	Lower	Upper
162	100		
127	44.1	35.0	52.4
164	32.3	25.0	37.6



Instrument :
BNA_G
ClientSampleId :
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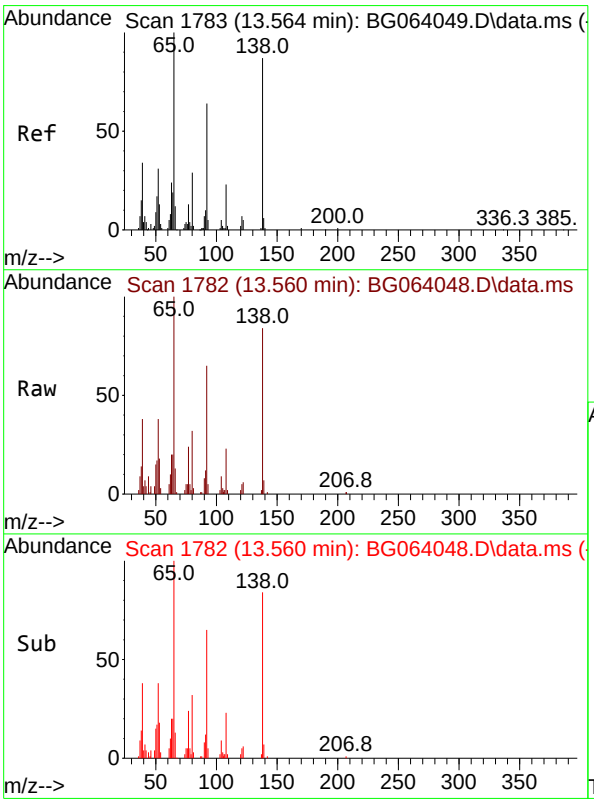
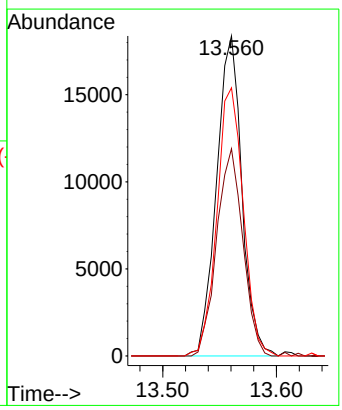
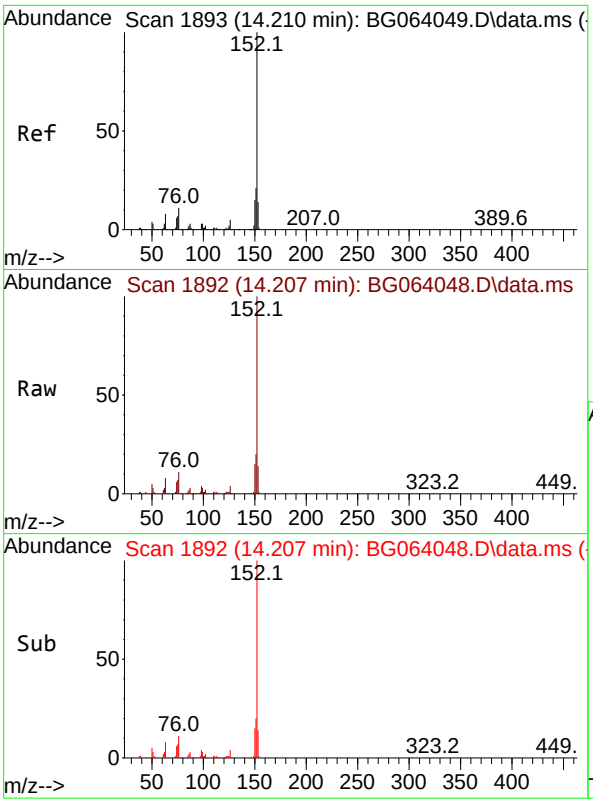


#48
2-Nitroaniline
Concen: 18.684 ng
RT: 13.560 min Scan# 1782
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion: 65 Resp: 28373

Ion	Ratio	Lower	Upper
65	100		
92	64.8	51.2	76.8
138	83.8	69.4	104.2

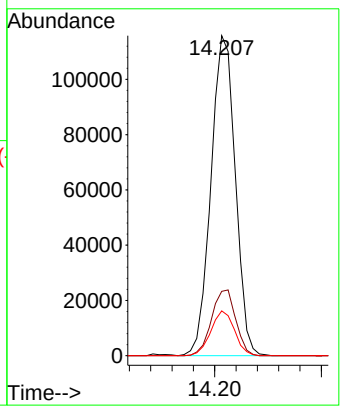




#49
Acenaphthylene
Concen: 20.571 ng
RT: 14.207 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:152 Resp: 18346

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.4	24.6
153	14.0	10.9	16.3



Instrument :
BNA_G
ClientSampleId :
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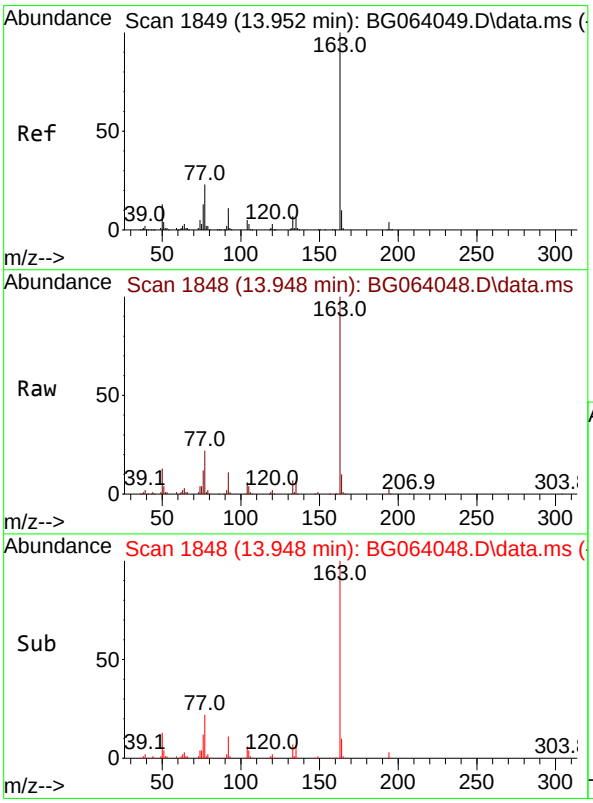
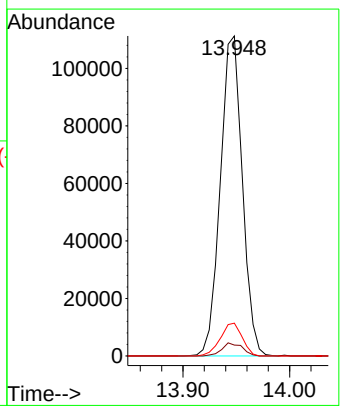
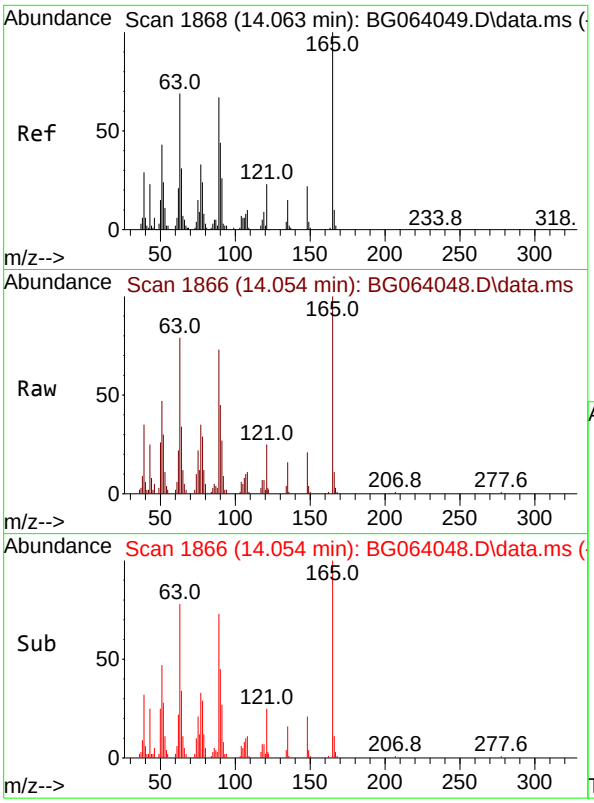


#50
Dimethylphthalate
Concen: 21.114 ng
RT: 13.948 min Scan# 1848
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:163 Resp: 159500

Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.8	4.2
164	10.3	8.2	12.2

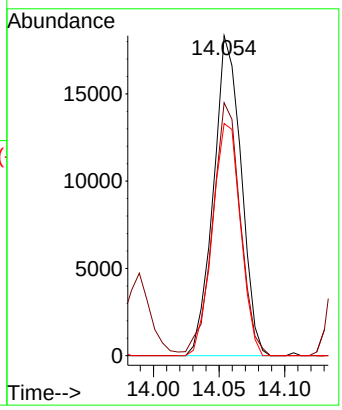




#51
2,6-Dinitrotoluene
Concen: 19.614 ng
RT: 14.054 min Scan# 1
Delta R.T. -0.009 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:165 Resp: 2678

Ion	Ratio	Lower	Upper
165	100		
63	79.1	56.7	85.1
89	72.5	53.7	80.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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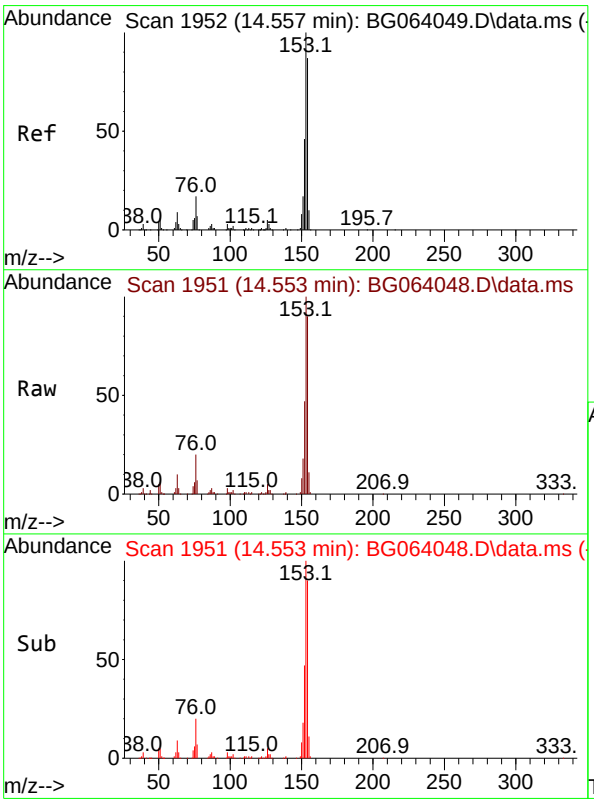
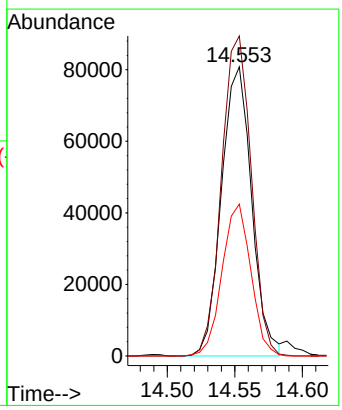
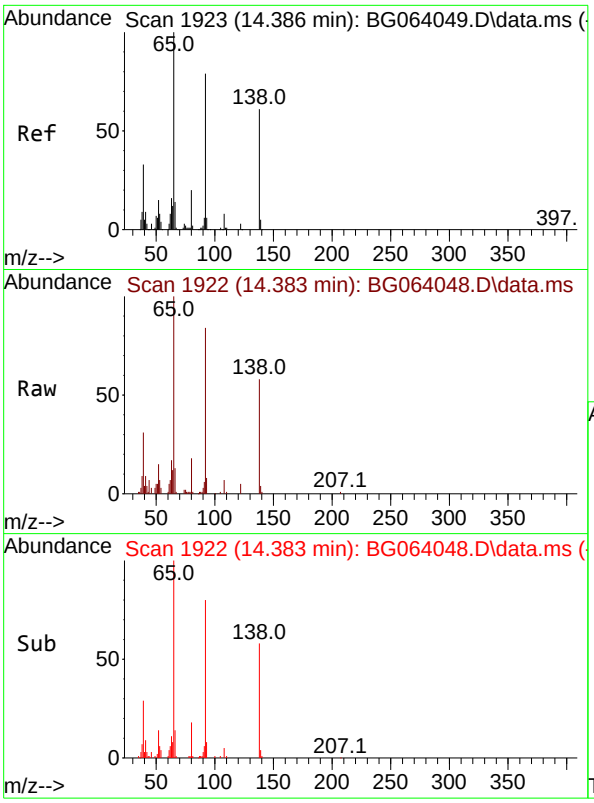


#52
Acenaphthene
Concen: 20.997 ng m
RT: 14.553 min Scan# 1951
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:154 Resp: 125939

Ion	Ratio	Lower	Upper
154	100		
153	110.7	91.6	137.4
152	52.5	42.5	63.7





#53
3-Nitroaniline
Concen: 20.902 ng
RT: 14.383 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:138 Resp: 3051

Ion	Ratio	Lower	Upper
138	100		
108	11.2	10.1	15.1
92	144.8	104.1	156.1

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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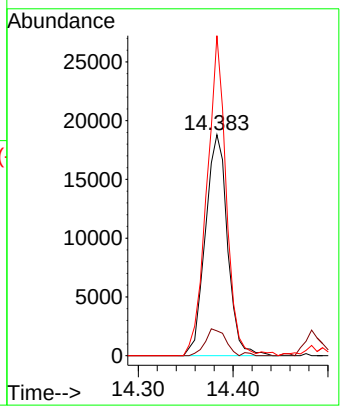
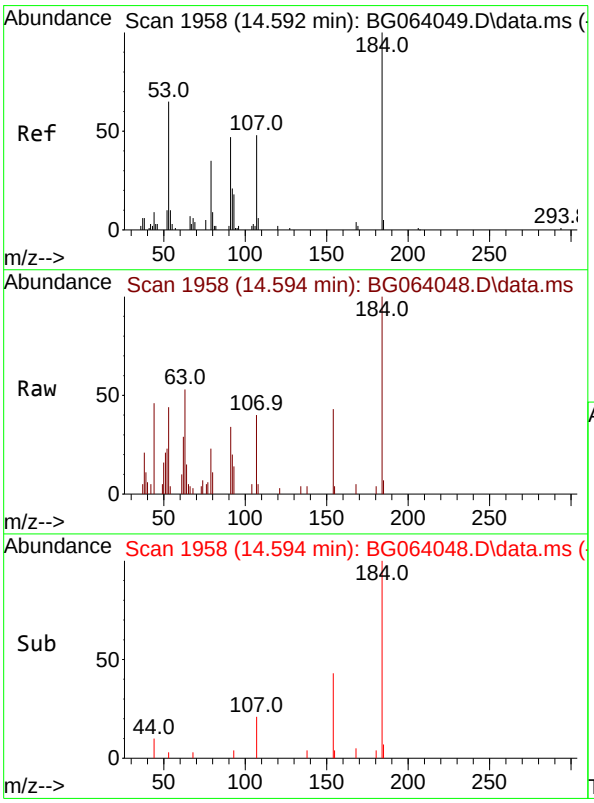
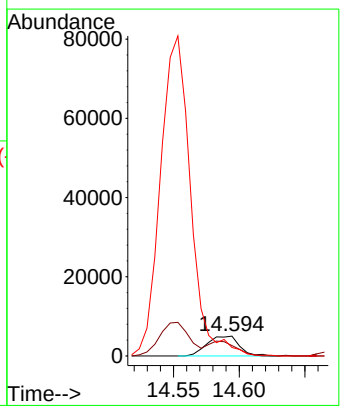


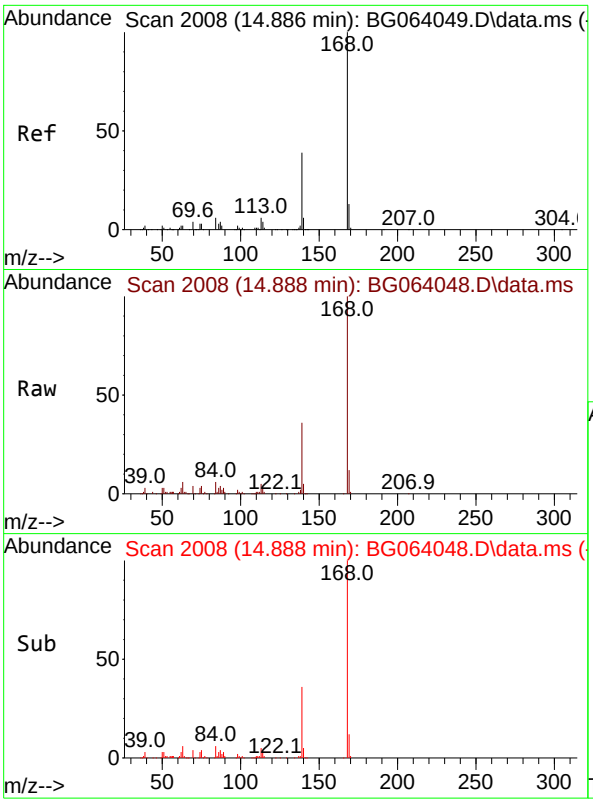


#54
2,4-Dinitrophenol
Concen: 19.958 ng
RT: 14.594 min Scan# 1958
Delta R.T. 0.002 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:184 Resp: 8560

Ion	Ratio	Lower	Upper
184	100		
63	52.7	57.5	86.3#
154	42.8	52.3	78.5#

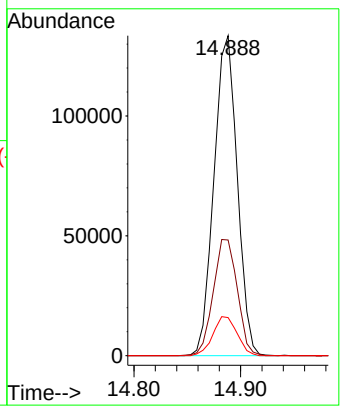




#55
Dibenzofuran
Concen: 20.856 ng
RT: 14.888 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:168 Resp: 20223

Ion	Ratio	Lower	Upper
168	100		
139	36.2	31.1	46.7
169	11.9	10.5	15.7



Instrument :
BNA_G
ClientSampleId :
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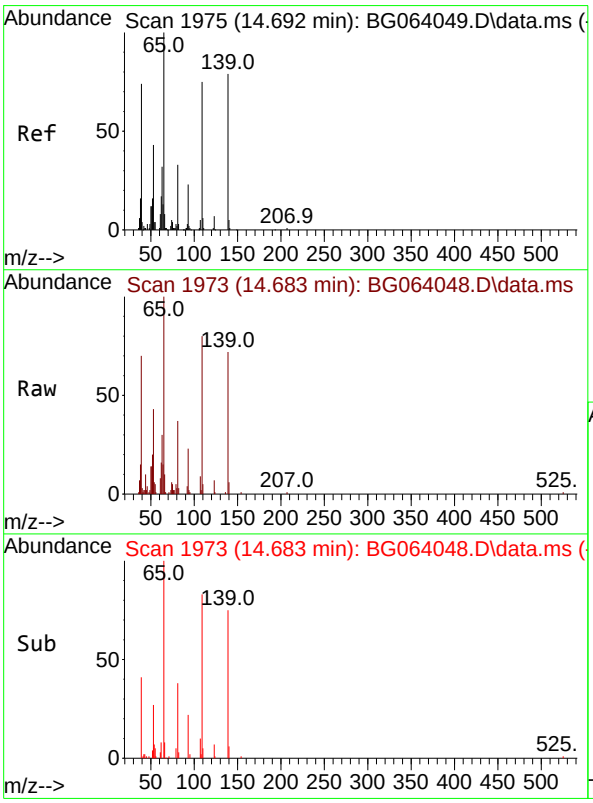
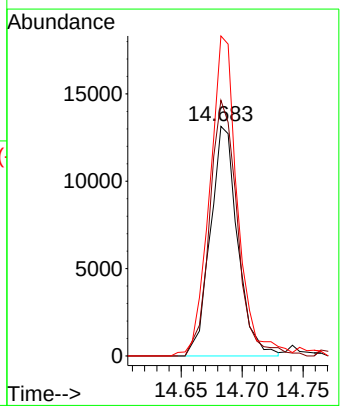
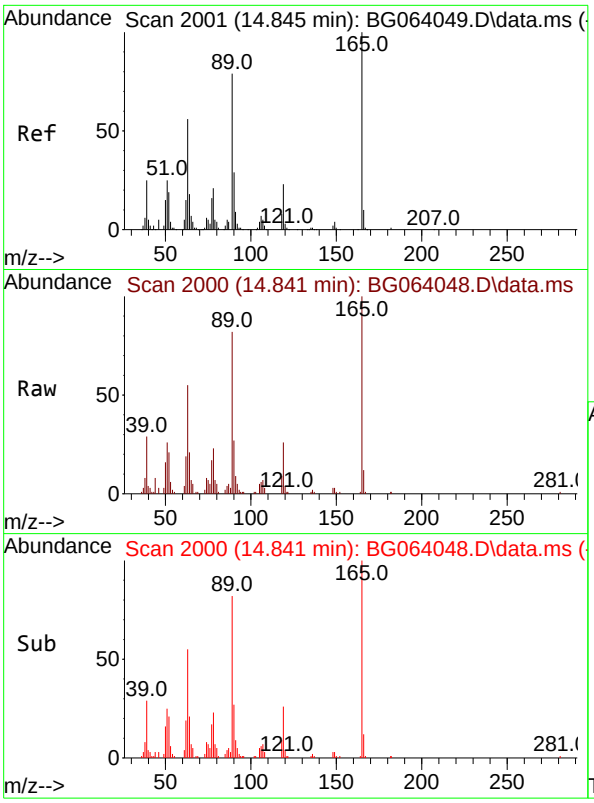


#56
4-Nitrophenol
Concen: 16.681 ng
RT: 14.683 min Scan# 1973
Delta R.T. -0.009 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:139 Resp: 20425

Ion	Ratio	Lower	Upper
139	100		
109	111.3	74.9	114.9
65	139.3	106.8	146.8

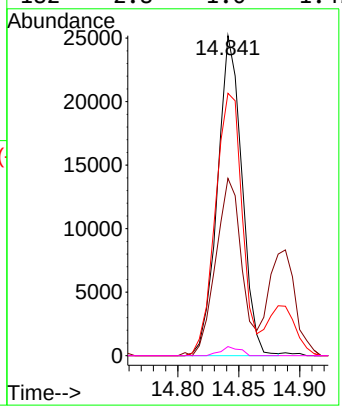




#57
2,4-Dinitrotoluene
Concen: 19.015 ng
RT: 14.841 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:165 Resp: 3517

Ion	Ratio	Lower	Upper
165	100		
63	55.4	45.0	67.6
89	82.0	63.1	94.7
182	2.8	1.0	1.4#



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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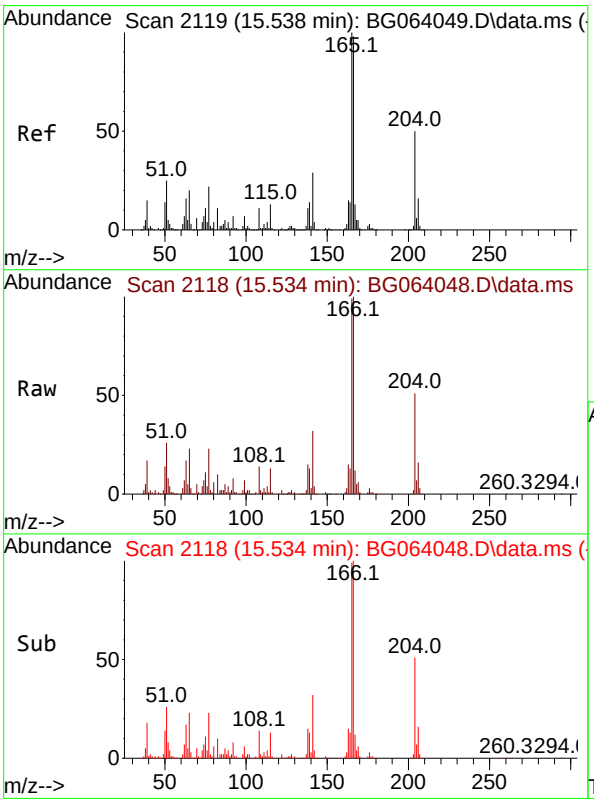
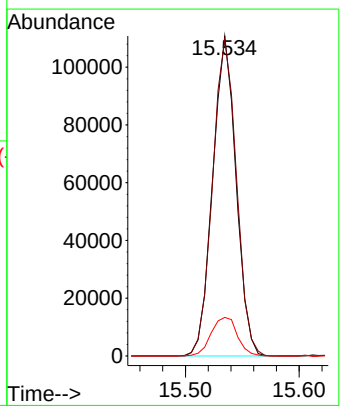
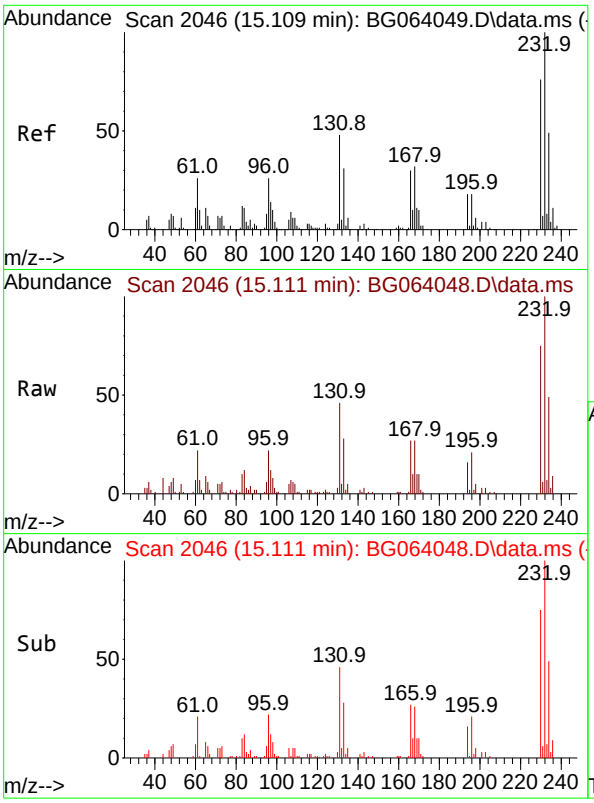


#58
Fluorene
Concen: 20.894 ng
RT: 15.534 min Scan# 2118
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:166 Resp: 157795

Ion	Ratio	Lower	Upper
166	100		
165	99.0	81.8	122.8
167	12.0	10.8	16.2

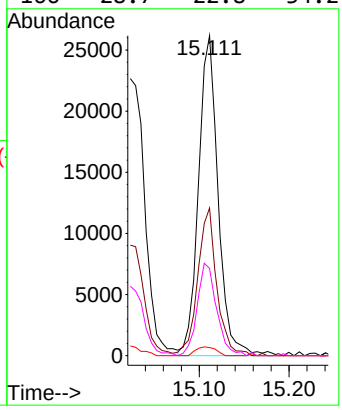




#59
2,3,4,6-Tetrachlorophenol
Concen: 21.310 ng
RT: 15.111 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:232 Resp: 3974

Ion	Ratio	Lower	Upper
232	100		
131	44.8	36.3	54.5
130	2.8	1.9	2.9
166	28.7	22.8	34.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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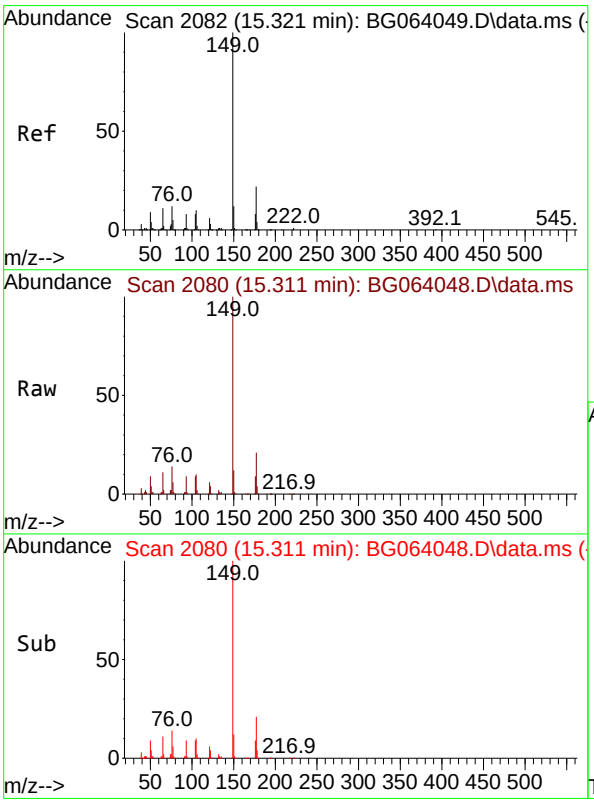
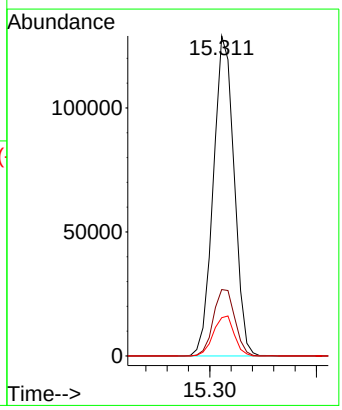
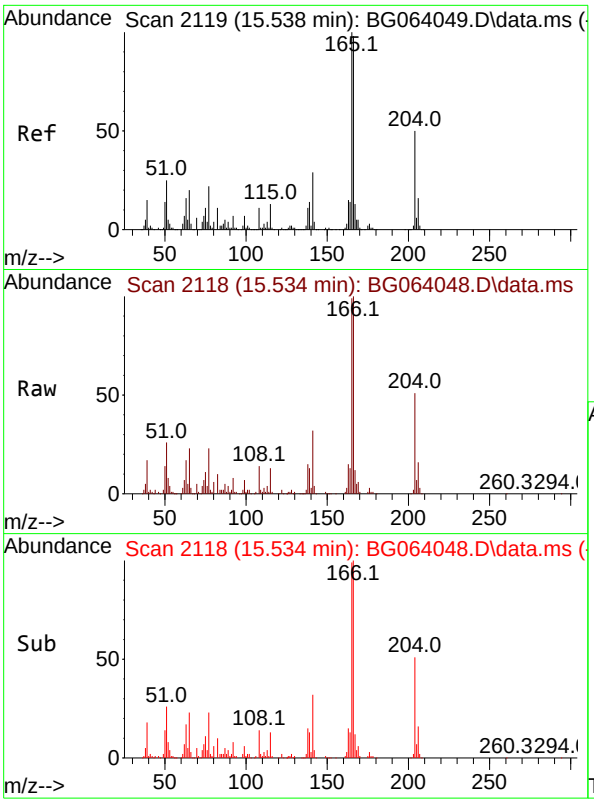


#60
Diethylphthalate
Concen: 21.324 ng
RT: 15.311 min Scan# 2080
Delta R.T. -0.009 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:149 Resp: 174872

Ion	Ratio	Lower	Upper
149	100		
177	20.7	17.4	26.2
150	12.0	9.4	14.2

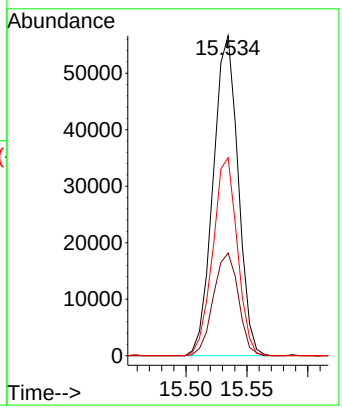




#61
4-Chlorophenyl-phenylether
Concen: 21.477 ng
RT: 15.534 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:204 Resp: 8060

Ion	Ratio	Lower	Upper
204	100		
206	32.0	25.5	38.3
141	61.9	45.4	68.0



Instrument :
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ClientSampleId :
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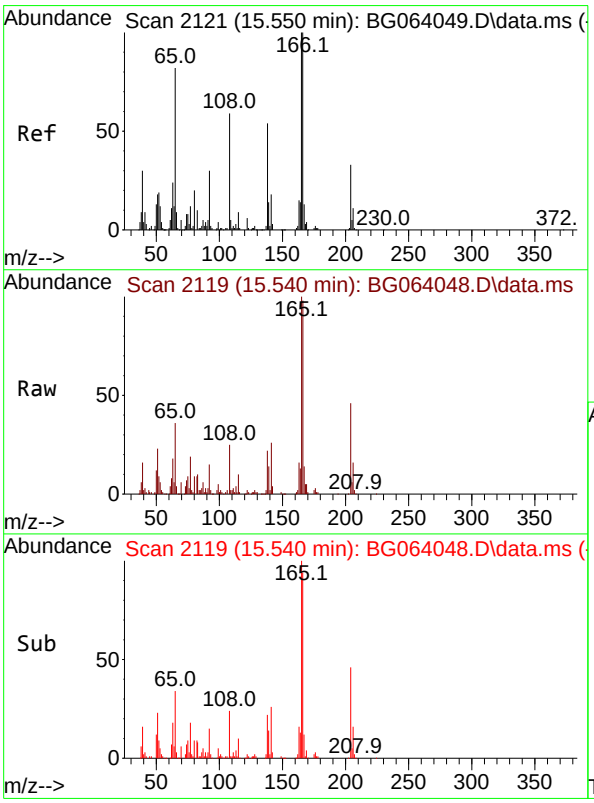
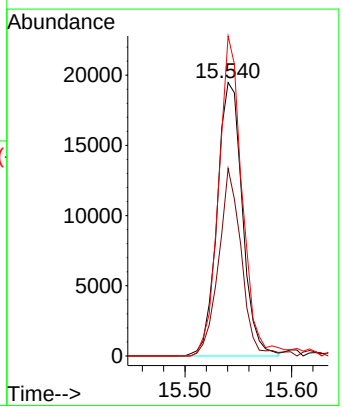
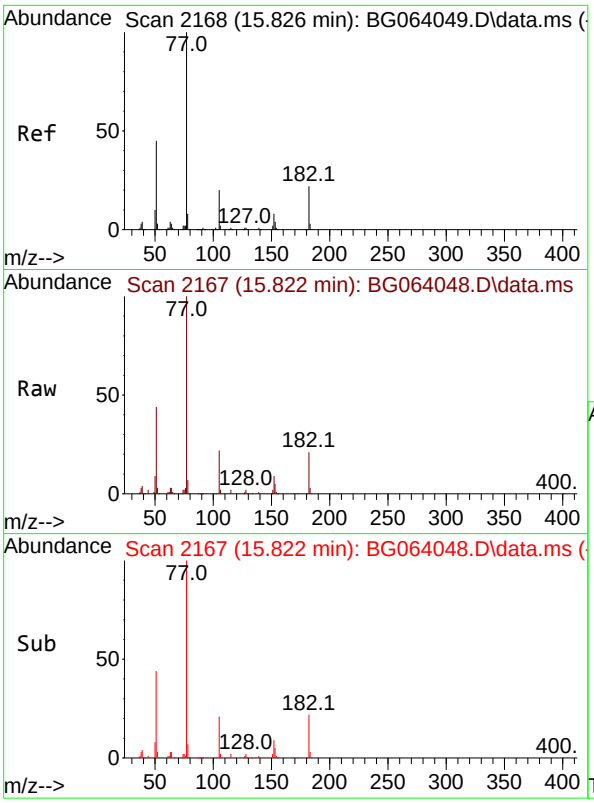


#62
4-Nitroaniline
Concen: 20.301 ng
RT: 15.540 min Scan# 2119
Delta R.T. -0.009 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:138 Resp: 32000

Ion	Ratio	Lower	Upper
138	100		
92	68.6	36.1	76.1
108	117.0	87.9	127.9

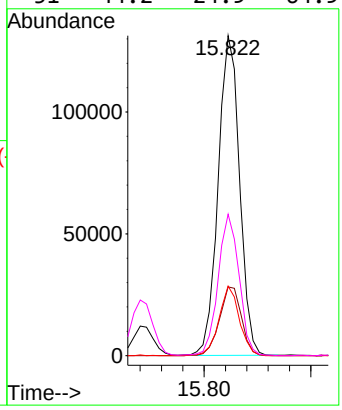




#63
Azobenzene
Concen: 20.868 ng
RT: 15.822 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion: 77 Resp: 18261

Ion	Ratio	Lower	Upper
77	100		
182	21.5	2.4	42.4
105	21.7	0.0	40.0
51	44.2	24.9	64.9



Instrument :
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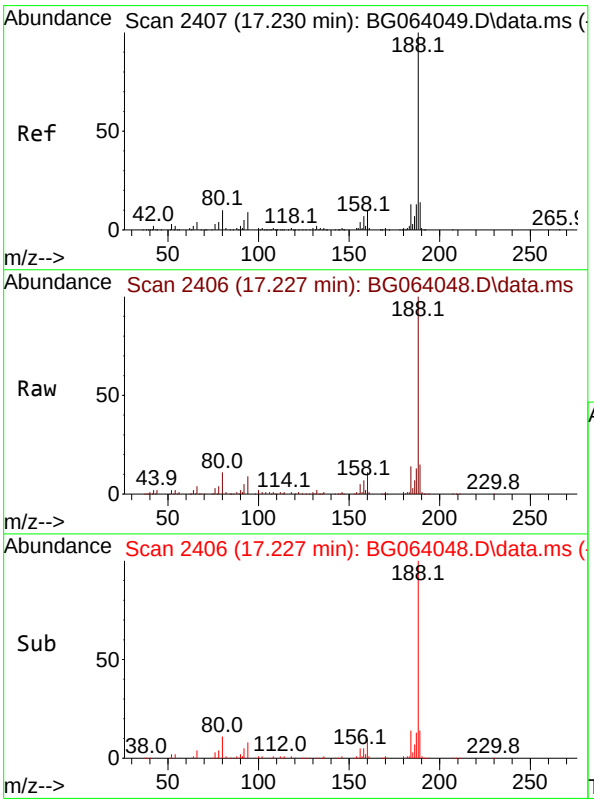
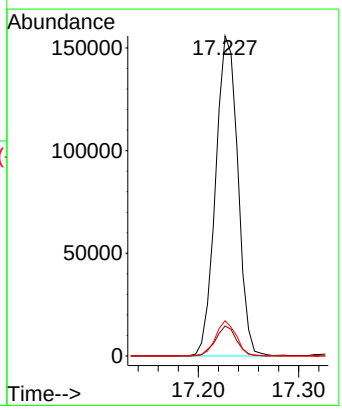
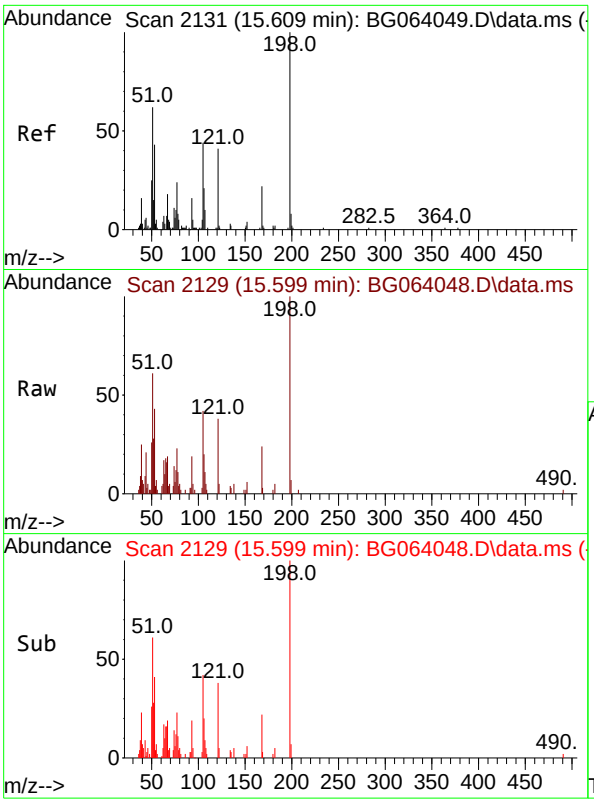


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.227 min Scan# 2406
Delta R.T. -0.003 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:188 Resp: 239469

Ion	Ratio	Lower	Upper
188	100		
94	9.4	6.9	10.3
80	11.0	8.1	12.1





#65
4,6-Dinitro-2-methylphenol
Concen: 19.469 ng
RT: 15.599 min Scan# 21
Delta R.T. -0.010 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:198 Resp: 1407

Ion	Ratio	Lower	Upper
198	100		
51	61.3	45.6	85.6
105	41.8	25.3	65.3

Instrument :
BNA_G
ClientSampleId :
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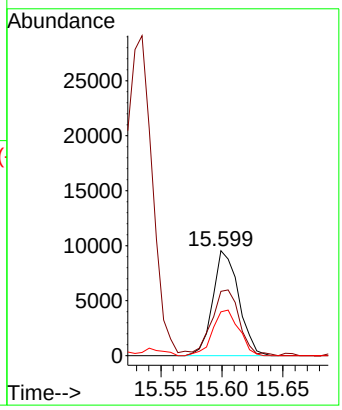
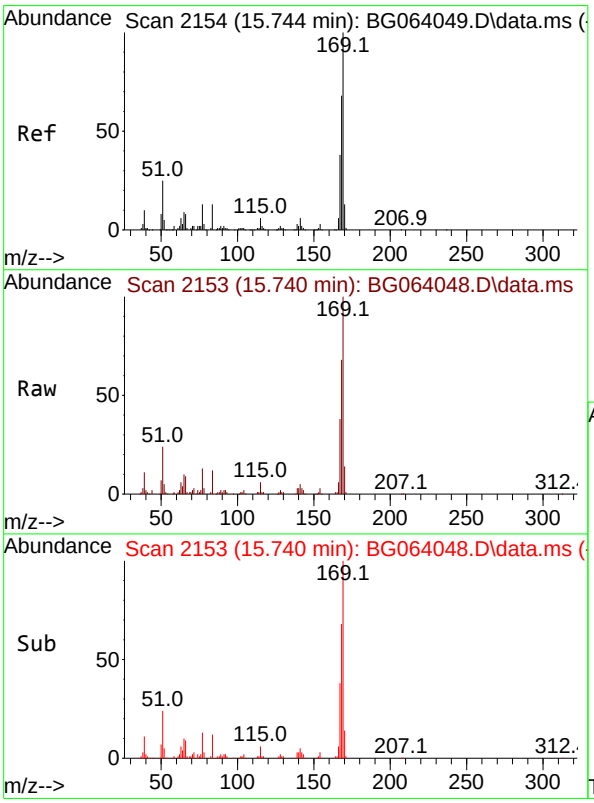
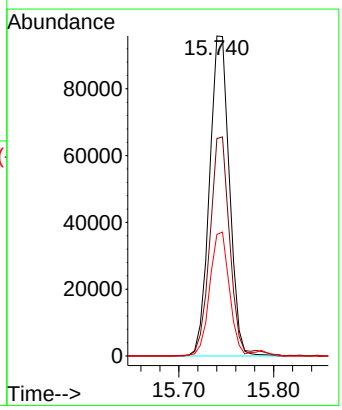


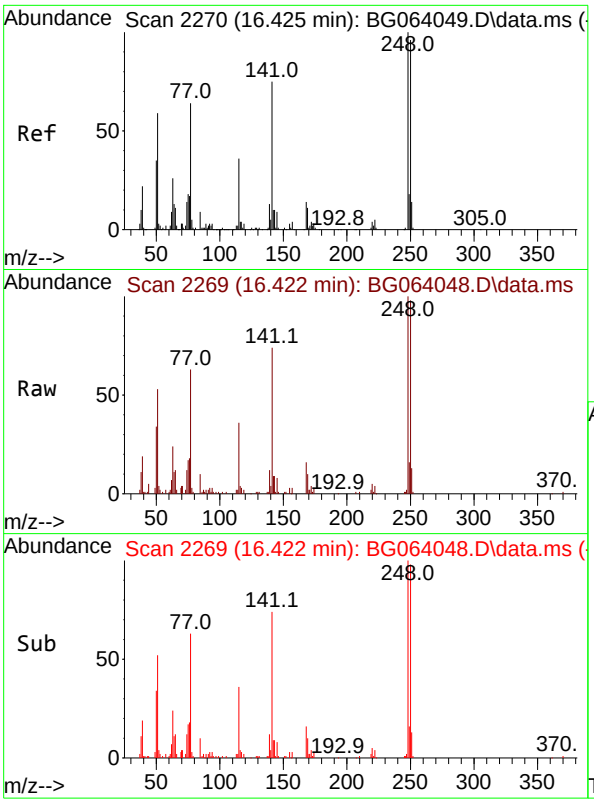


#66
n-Nitrosodiphenylamine
Concen: 20.573 ng
RT: 15.740 min Scan# 2153
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:169 Resp: 139451

Ion	Ratio	Lower	Upper
169	100		
168	68.0	54.1	81.1
167	38.0	30.3	45.5





#67
4-Bromophenyl-phenylether
Concen: 20.740 ng
RT: 16.422 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:248 Resp: 5086

Ion	Ratio	Lower	Upper
248	100		
250	98.1	77.1	115.7
141	74.4	59.8	89.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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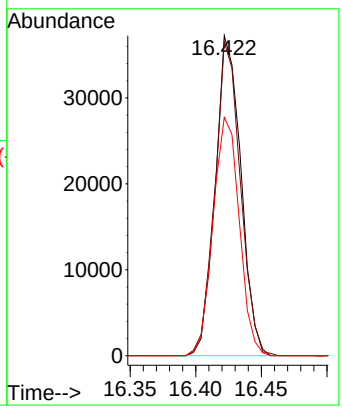
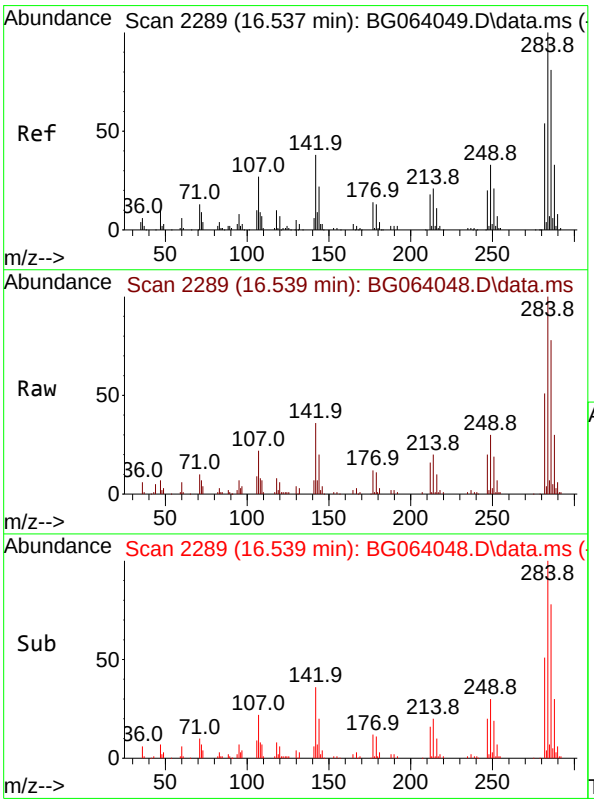
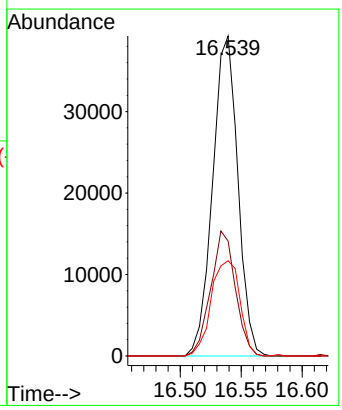


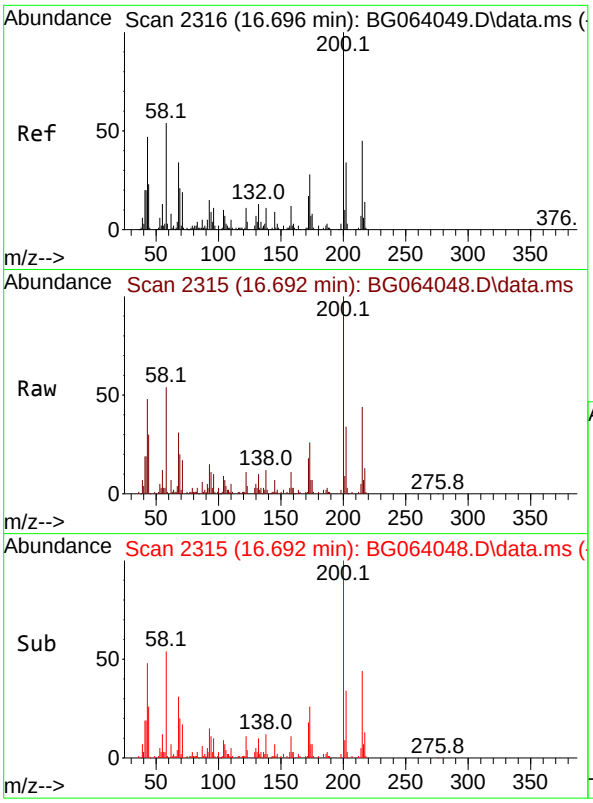


#68
Hexachlorobenzene
Concen: 20.591 ng
RT: 16.539 min Scan# 2289
Delta R.T. 0.002 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:284 Resp: 56538

Ion	Ratio	Lower	Upper
284	100		
142	35.9	30.6	45.8
249	29.8	26.6	39.8





#69
Atrazine
Concen: 21.465 ng
RT: 16.692 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:200 Resp: 4281

Ion	Ratio	Lower	Upper
200	100		
173	25.7	8.2	48.2
215	43.7	25.5	65.5

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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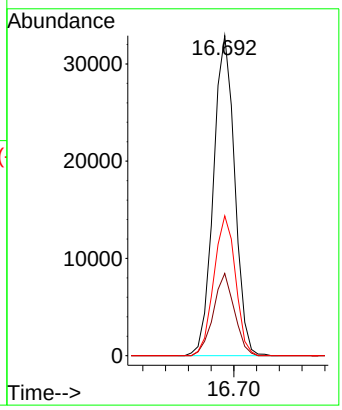
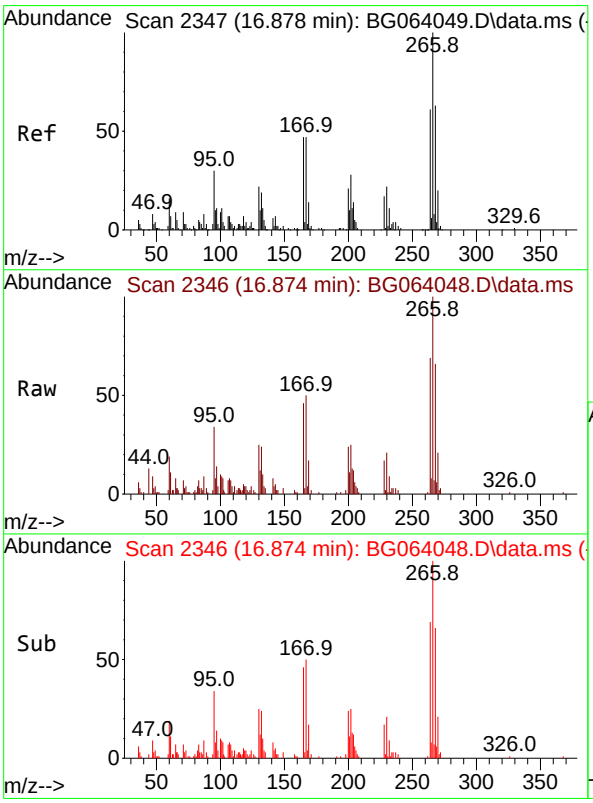
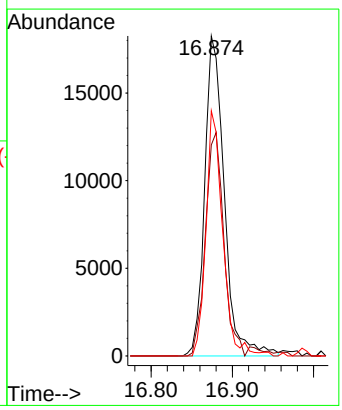


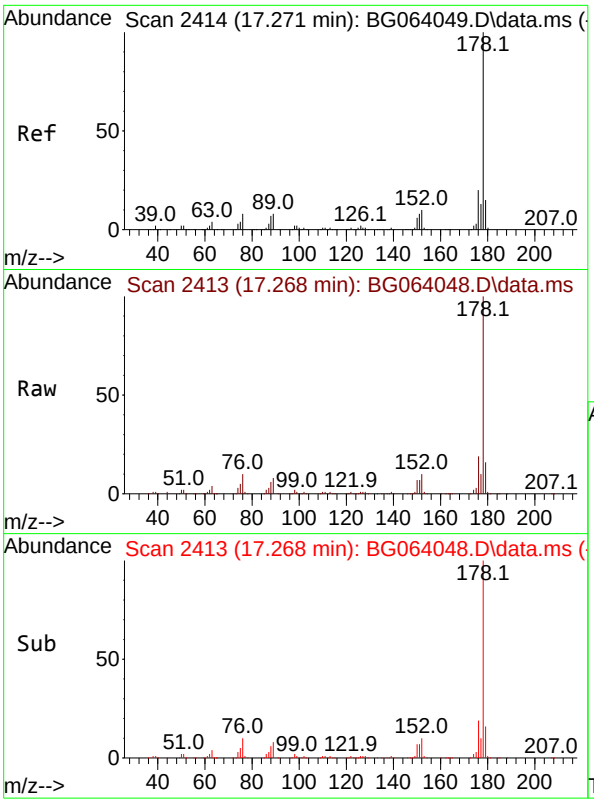


#70
Pentachlorophenol
Concen: 17.926 ng
RT: 16.874 min Scan# 2346
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:266 Resp: 30561

Ion	Ratio	Lower	Upper
266	100		
268	65.9	50.2	75.4
264	76.6	48.9	73.3#

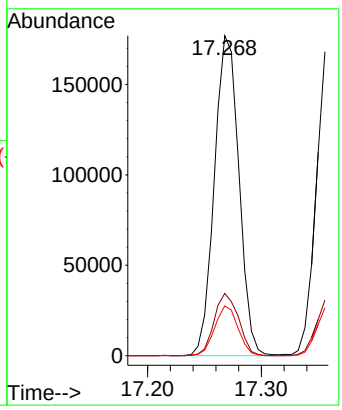




#71
Phenanthrene
Concen: 20.813 ng
RT: 17.268 min Scan# 24
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:178 Resp: 26584

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.9	23.9
179	15.6	12.2	18.2



Instrument :
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ClientSampleId :
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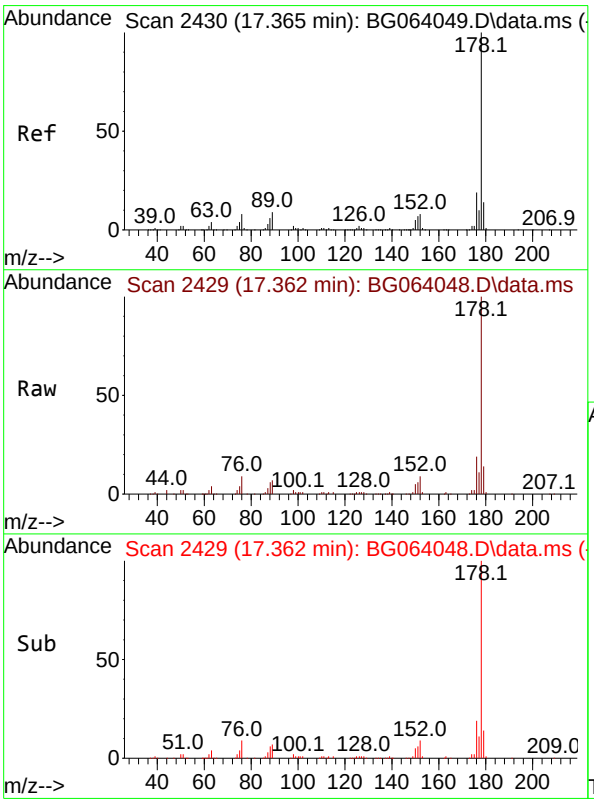
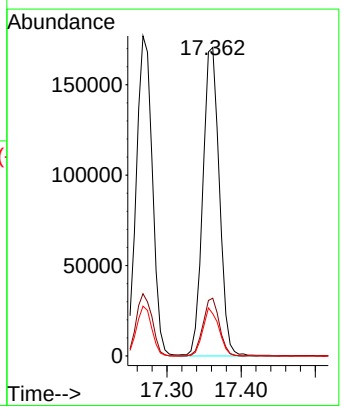
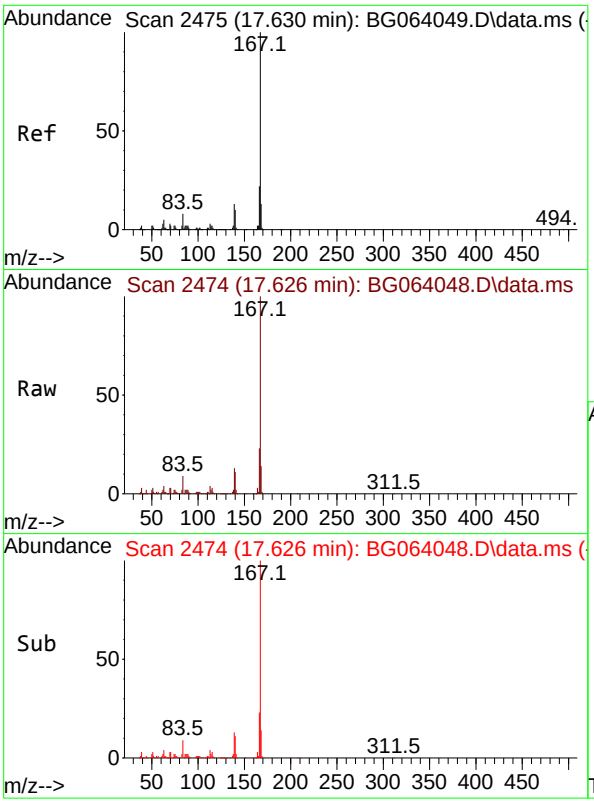


#72
Anthracene
Concen: 20.814 ng
RT: 17.362 min Scan# 2429
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:178 Resp: 264350

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.8	22.2
179	13.7	11.5	17.3

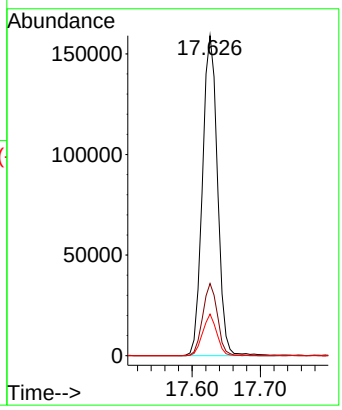




#73
Carbazole
Concen: 20.591 ng
RT: 17.626 min Scan# 24
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:167 Resp: 24416

Ion	Ratio	Lower	Upper
167	100		
166	22.6	18.0	27.0
139	13.0	10.6	15.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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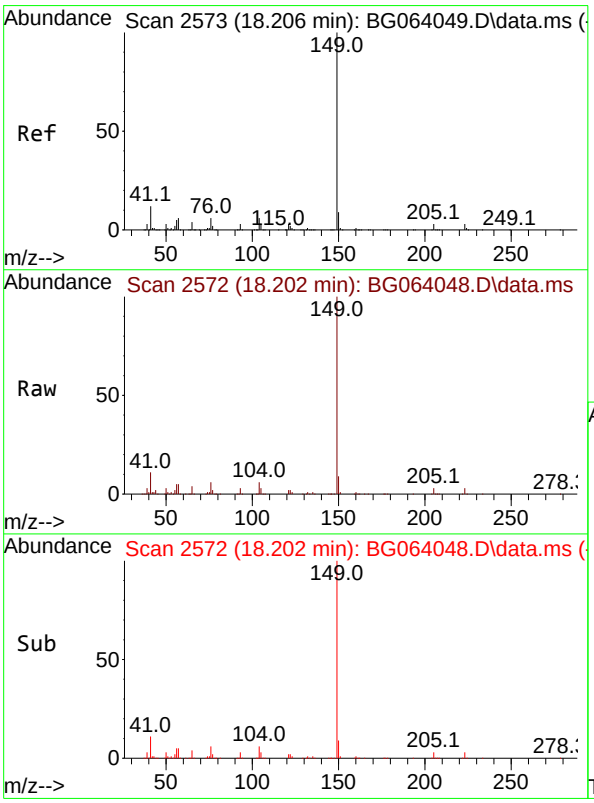
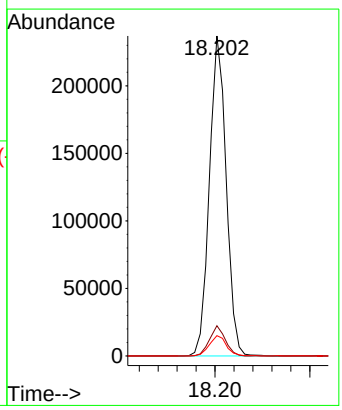
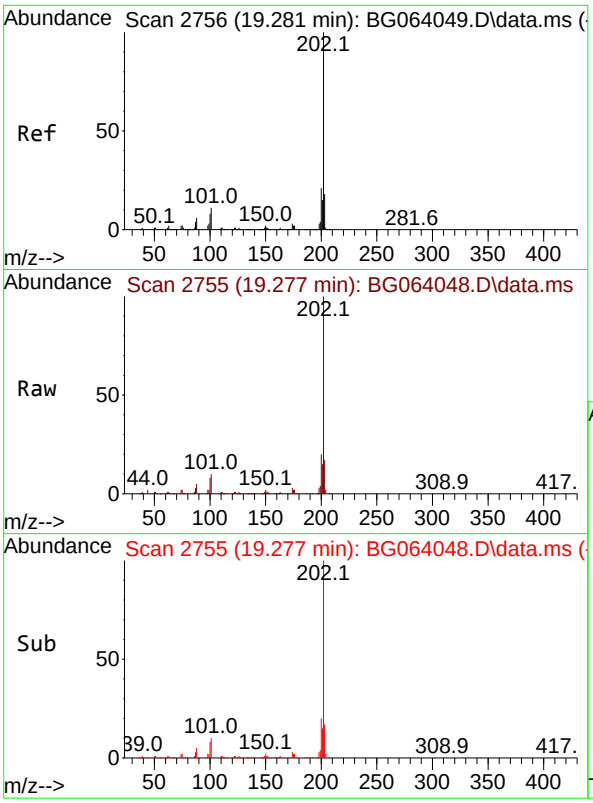


#74
Di-n-butylphthalate
Concen: 20.812 ng
RT: 18.202 min Scan# 2572
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:149 Resp: 290500

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.0
104	6.3	5.0	7.6

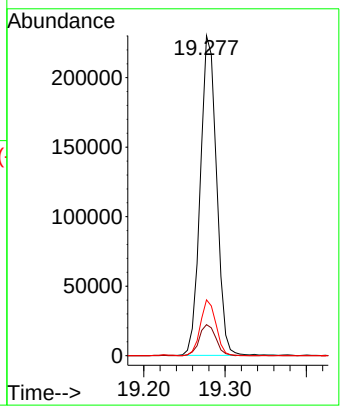




#75
Fluoranthene
Concen: 20.776 ng
RT: 19.277 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:202 Resp: 31991

Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	30.5
203	17.4	0.0	38.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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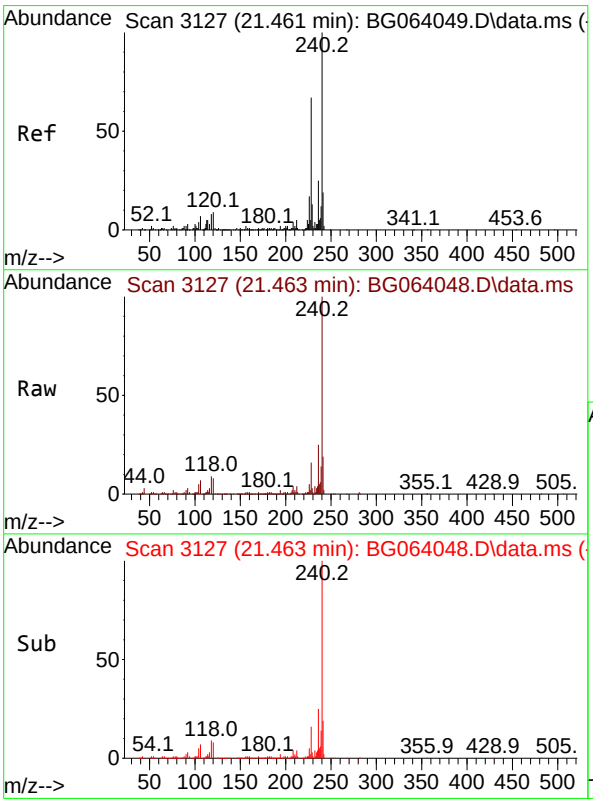
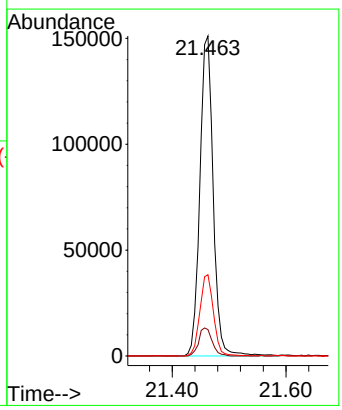
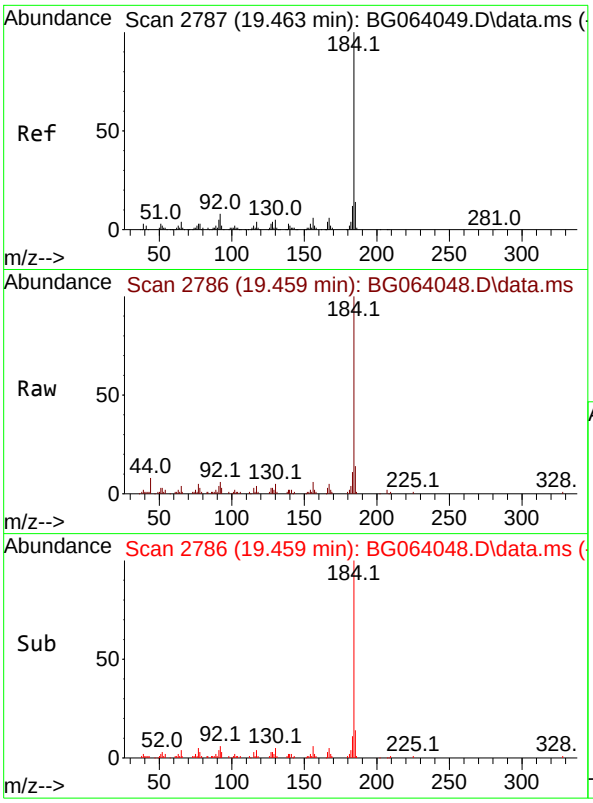


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.463 min Scan# 3127
Delta R.T. 0.002 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:240 Resp: 245725

Ion	Ratio	Lower	Upper
240	100		
120	8.3	7.2	10.8
236	25.4	20.2	30.2

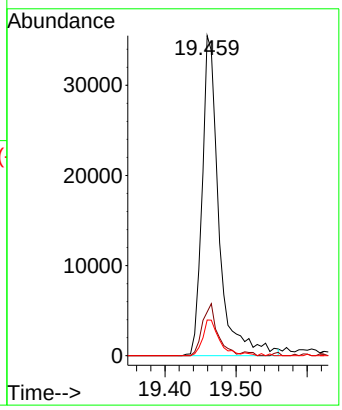




#77
Benzidine
Concen: 16.960 ng
RT: 19.459 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:184 Resp: 5850

Ion	Ratio	Lower	Upper
184	100		
185	13.7	11.3	16.9
183	11.2	9.5	14.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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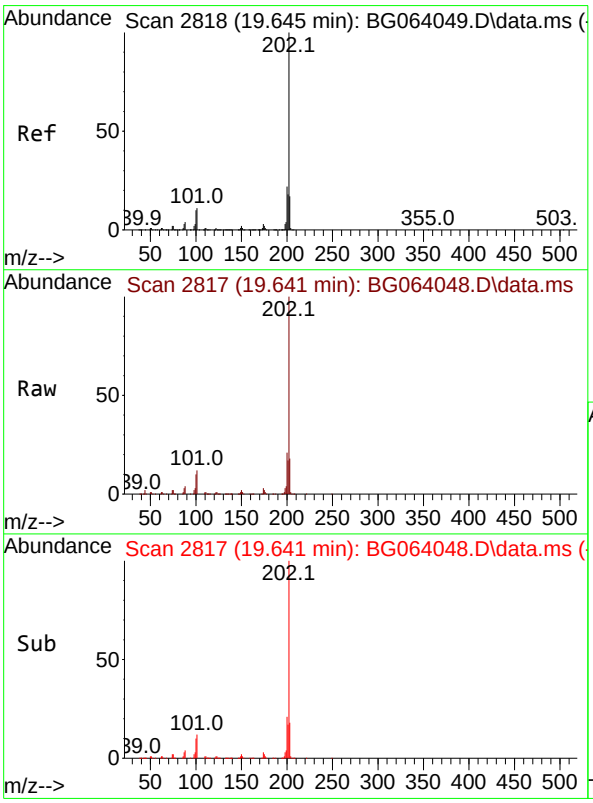
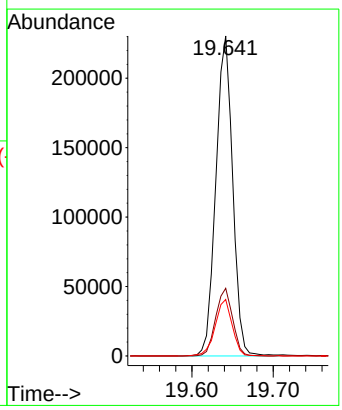
Supervised By :mohammad ahmed 03/07/2025

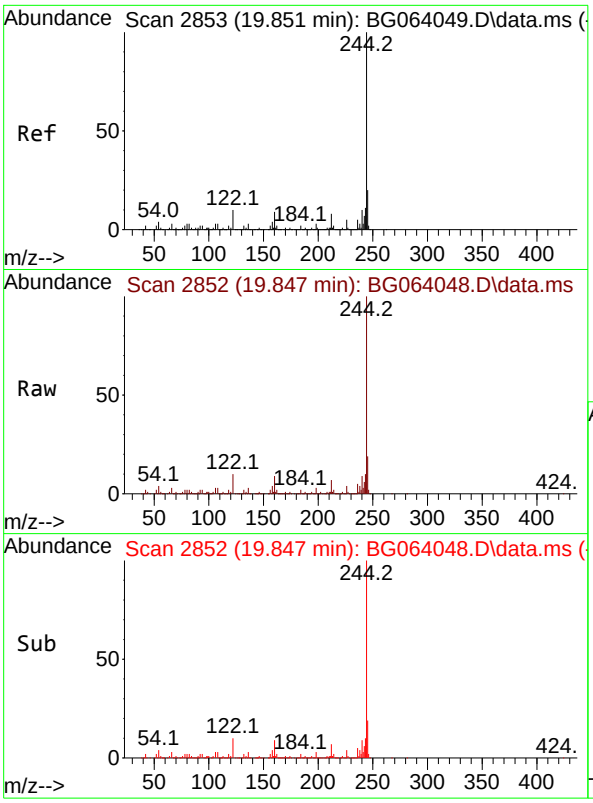


#78
Pyrene
Concen: 20.950 ng
RT: 19.641 min Scan# 2817
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:202 Resp: 331849

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.3	25.9
203	17.7	13.6	20.4

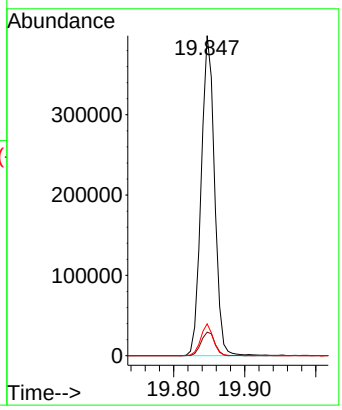




#79
Terphenyl-d14
Concen: 42.936 ng
RT: 19.847 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:244 Resp: 52178

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.2	9.4
122	10.0	8.0	12.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
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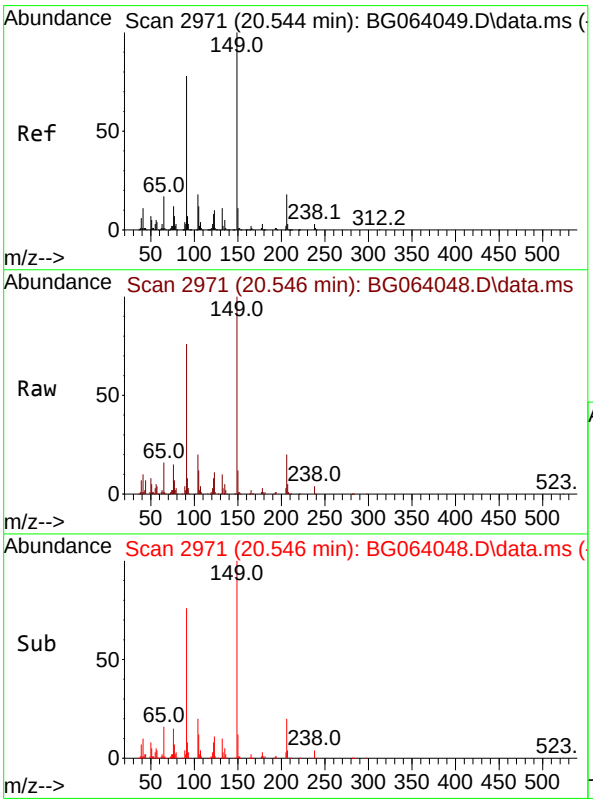
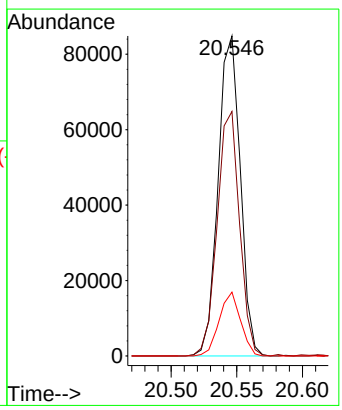
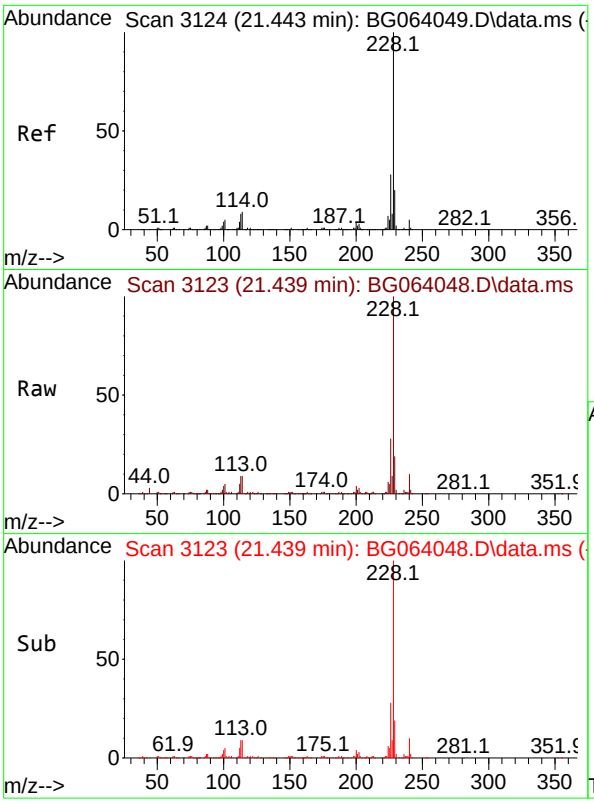


#80
Butylbenzylphthalate
Concen: 19.098 ng
RT: 20.546 min Scan# 2971
Delta R.T. 0.002 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:149 Resp: 99429

Ion	Ratio	Lower	Upper
149	100		
91	76.4	62.0	93.0
206	20.0	14.6	21.8

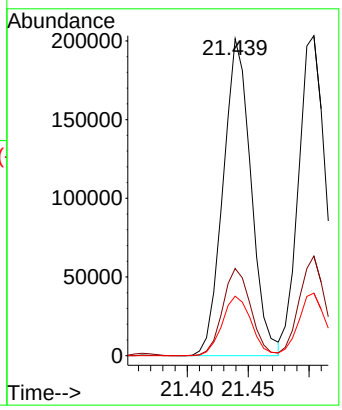




#81
Benzo(a)anthracene
Concen: 20.443 ng
RT: 21.439 min Scan# 3
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:228 Resp: 32177

Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.2	33.2
229	18.8	16.4	24.6



Instrument :
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ClientSampleId :
SSTDICC020

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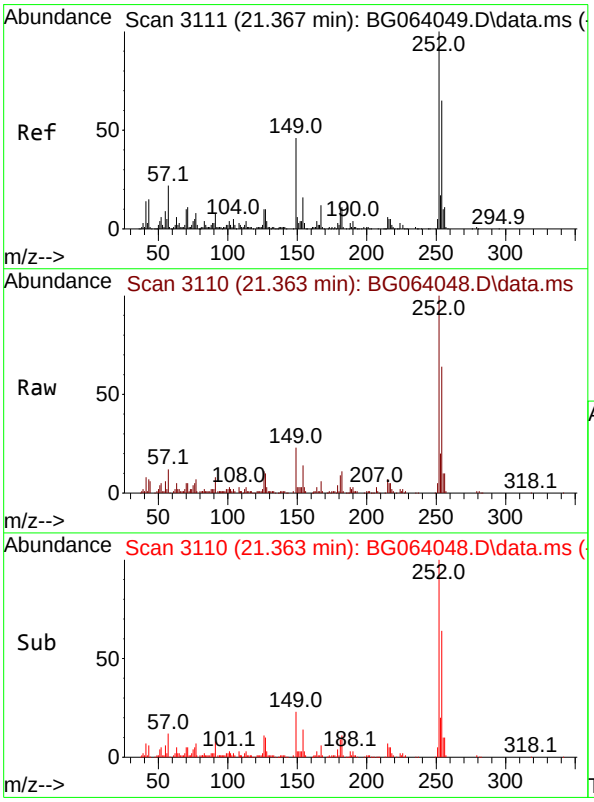
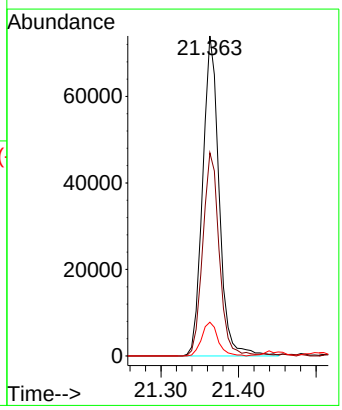
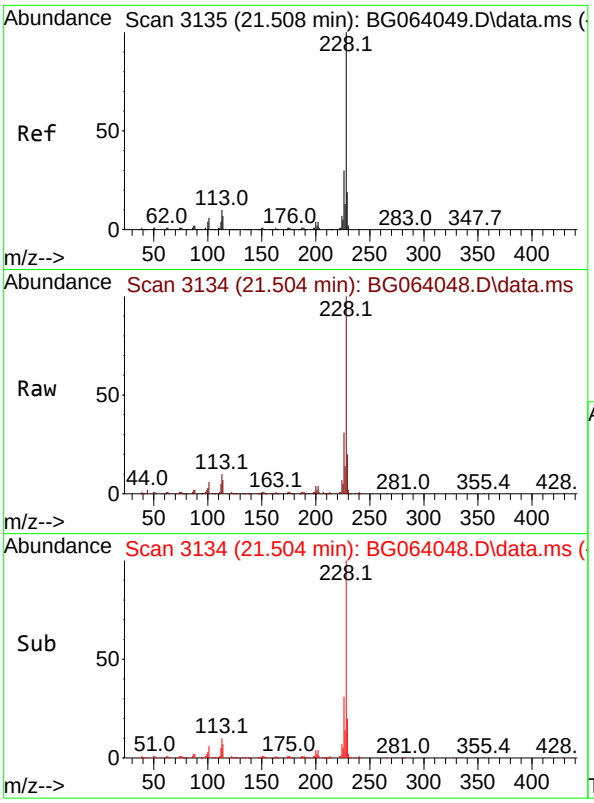


#82
3,3'-Dichlorobenzidine
Concen: 21.421 ng
RT: 21.363 min Scan# 3110
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:252 Resp: 109121

Ion	Ratio	Lower	Upper
252	100		
254	63.5	52.1	78.1
126	10.6	7.8	11.8

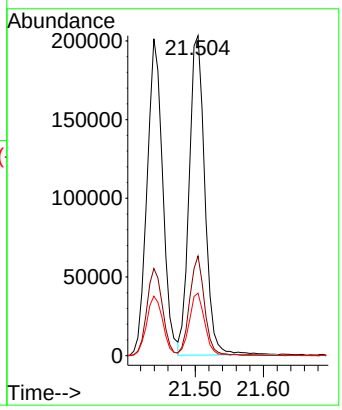




#83
Chrysene
Concen: 20.471 ng
RT: 21.504 min Scan# 3
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:228 Resp: 32137

Ion	Ratio	Lower	Upper
228	100		
226	31.1	23.9	35.9
229	19.6	15.3	22.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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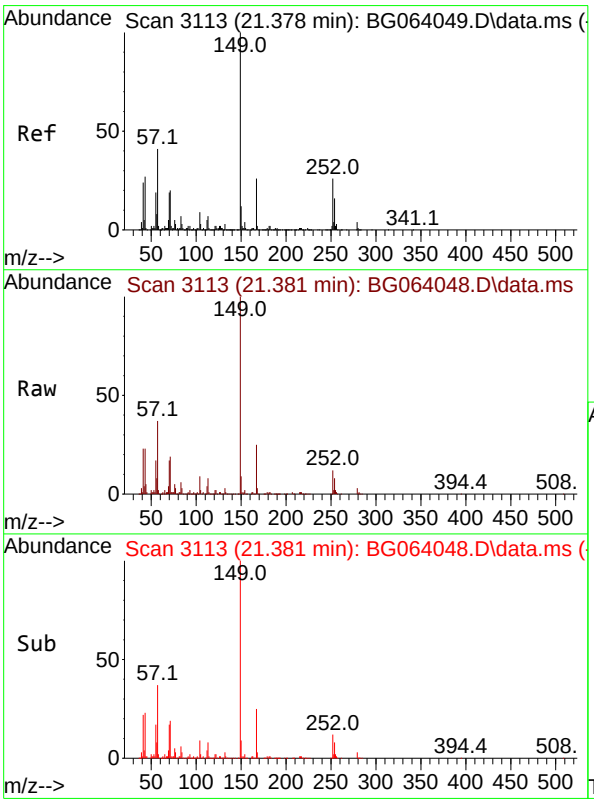
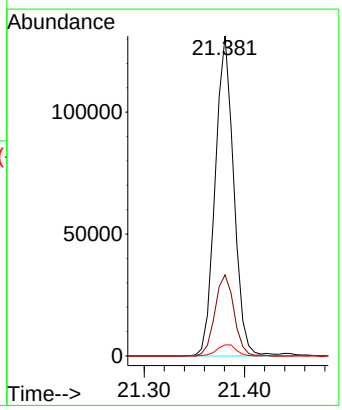
Supervised By :mohammad ahmed 03/07/2025

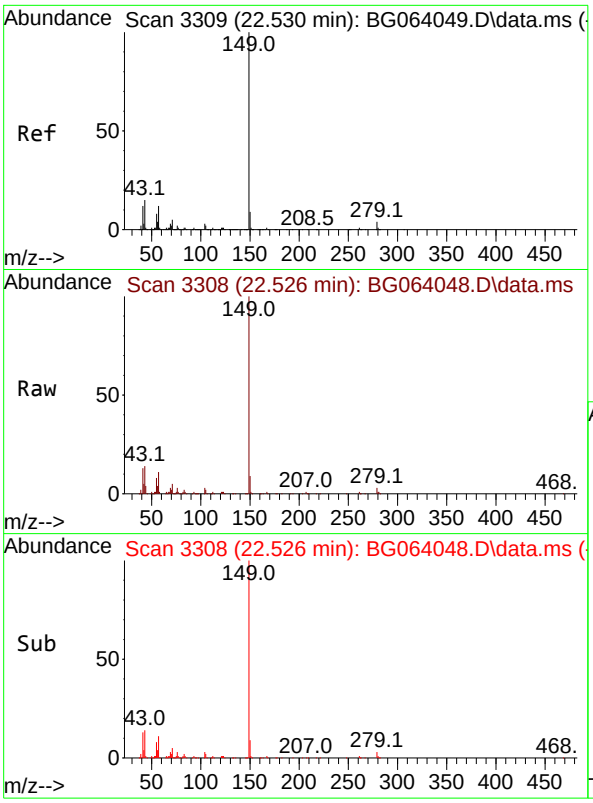


#84
Bis(2-ethylhexyl)phthalate
Concen: 19.769 ng
RT: 21.381 min Scan# 3113
Delta R.T. 0.002 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:149 Resp: 168286

Ion	Ratio	Lower	Upper
149	100		
167	25.3	21.0	31.6
279	3.5	2.8	4.2

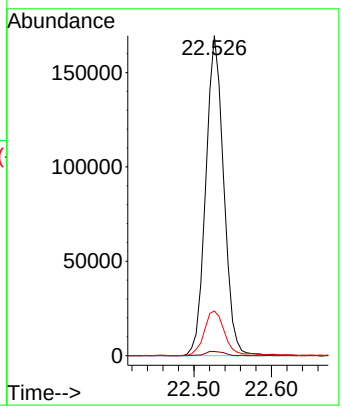




#85
Di-n-octyl phthalate
Concen: 18.542 ng
RT: 22.526 min Scan# 3
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:149 Resp: 27225

Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.2	1.8
43	16.1	12.6	19.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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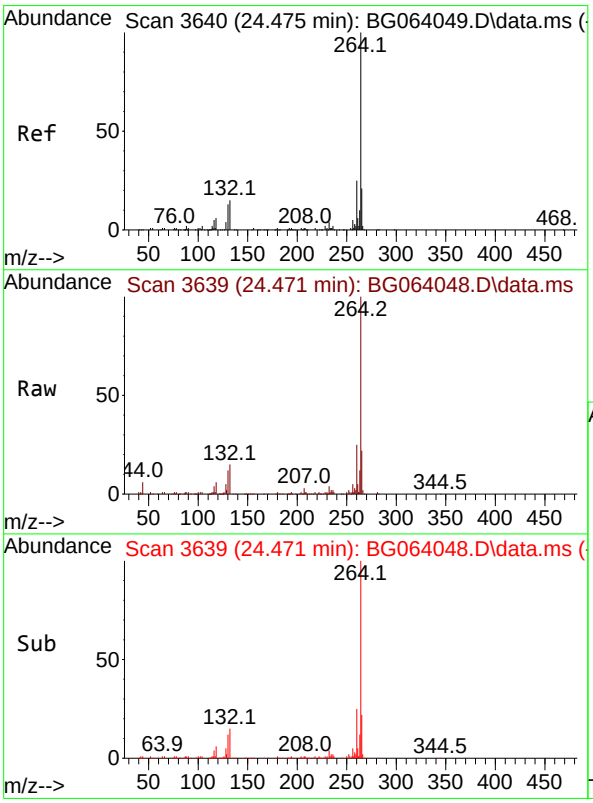
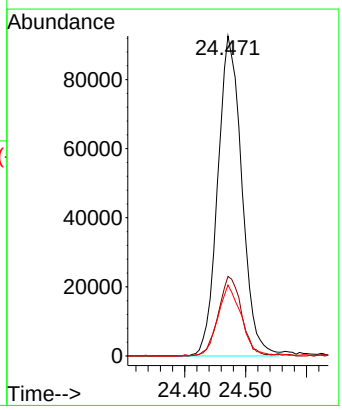
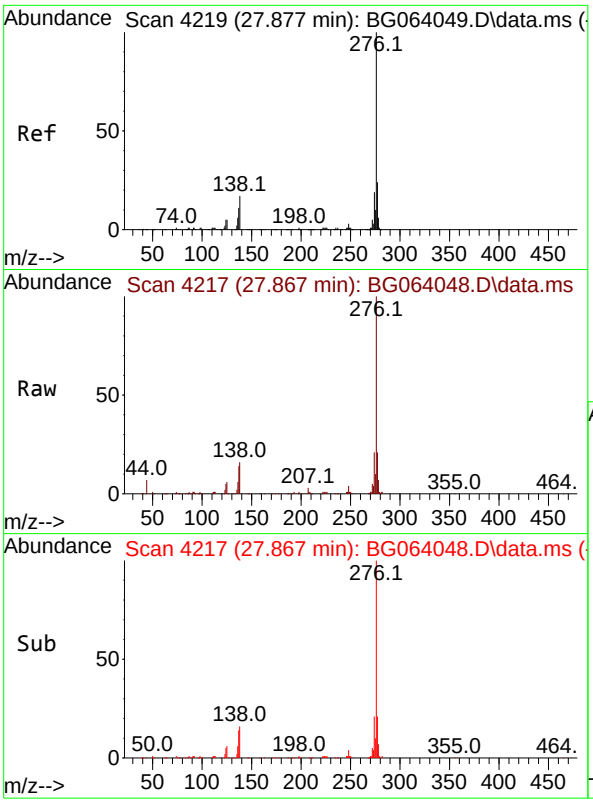


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.471 min Scan# 3639
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:264 Resp: 254102

Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.6	29.4
265	22.1	16.6	25.0

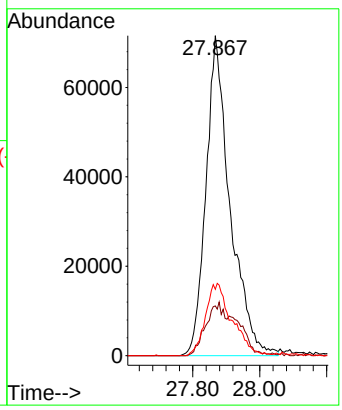




#87
Indeno(1,2,3-cd)pyrene
Concen: 21.044 ng
RT: 27.867 min Scan# 4
Delta R.T. -0.009 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:276 Resp: 35777

Ion	Ratio	Lower	Upper
276	100		
138	13.1	12.1	18.1
277	24.8	20.0	30.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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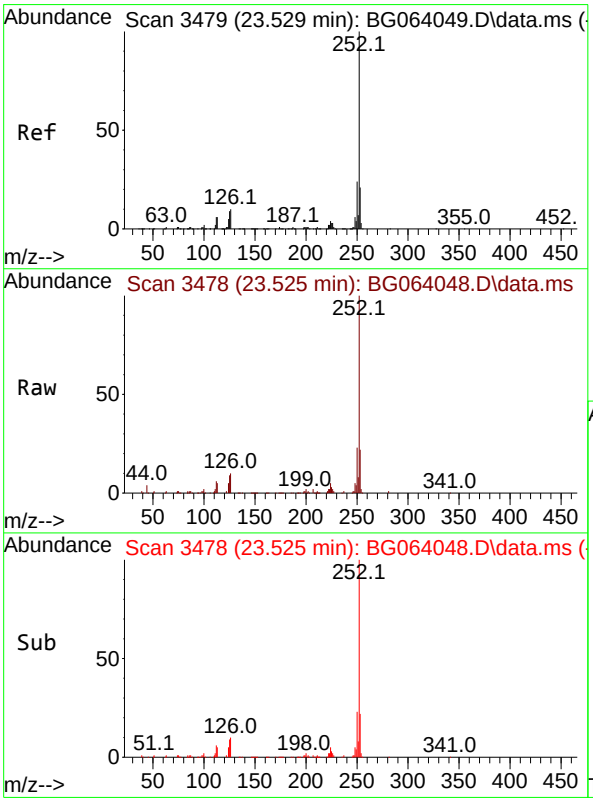
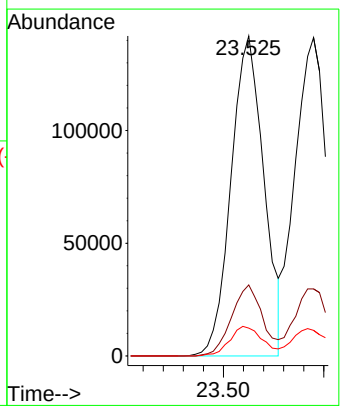
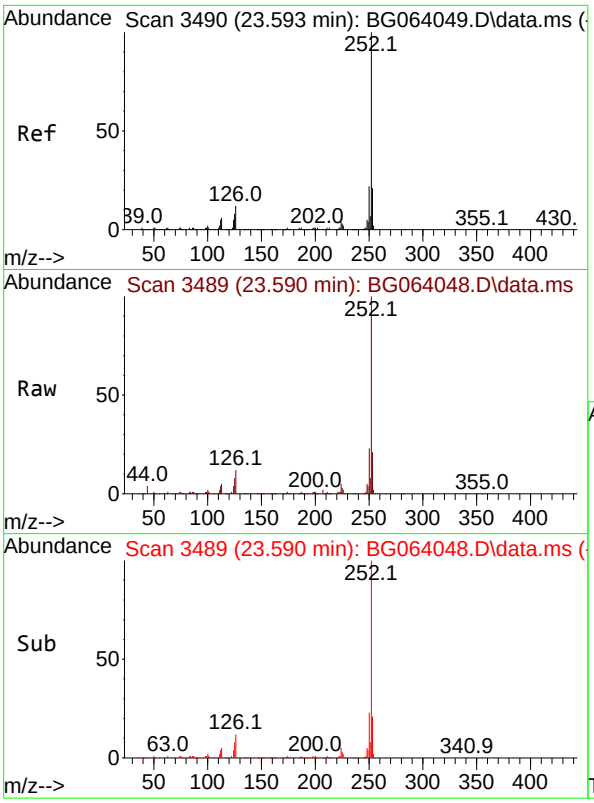


#88
Benzo(b)fluoranthene
Concen: 20.998 ng
RT: 23.525 min Scan# 3478
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:252 Resp: 322554

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.0	25.4
125	8.7	7.4	11.2

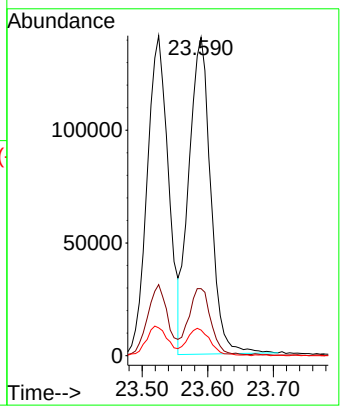




#89
Benzo(k)fluoranthene
Concen: 21.124 ng
RT: 23.590 min Scan# 34
Delta R.T. -0.004 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:252 Resp: 32553

Ion	Ratio	Lower	Upper
252	100		
253	21.1	16.8	25.2
125	8.0	6.9	10.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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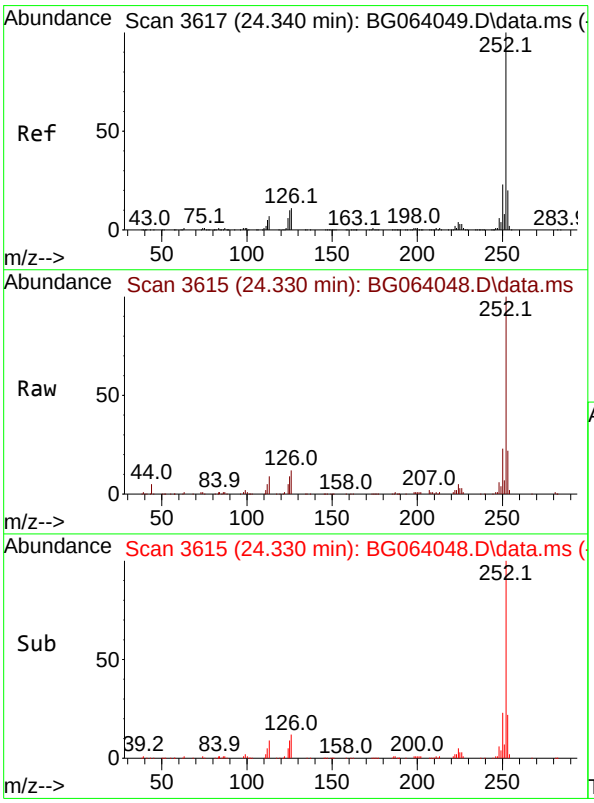
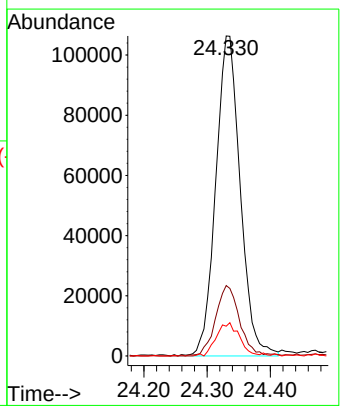
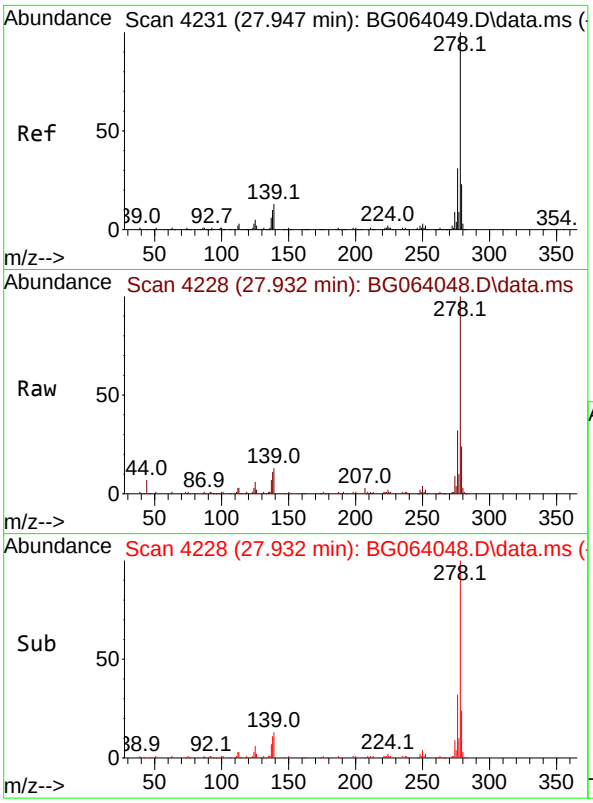


#90
Benzo(a)pyrene
Concen: 20.878 ng
RT: 24.330 min Scan# 3615
Delta R.T. -0.009 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:252 Resp: 285622

Ion	Ratio	Lower	Upper
252	100		
253	22.0	16.2	24.2
125	9.3	7.8	11.6

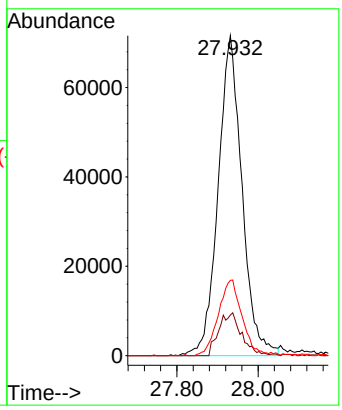




#91
Dibenzo(a,h)anthracene
Concen: 20.756 ng
RT: 27.932 min Scan# 4
Delta R.T. -0.015 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:278 Resp: 29255

Ion	Ratio	Lower	Upper
278	100		
139	12.7	10.2	15.2
279	23.6	18.1	27.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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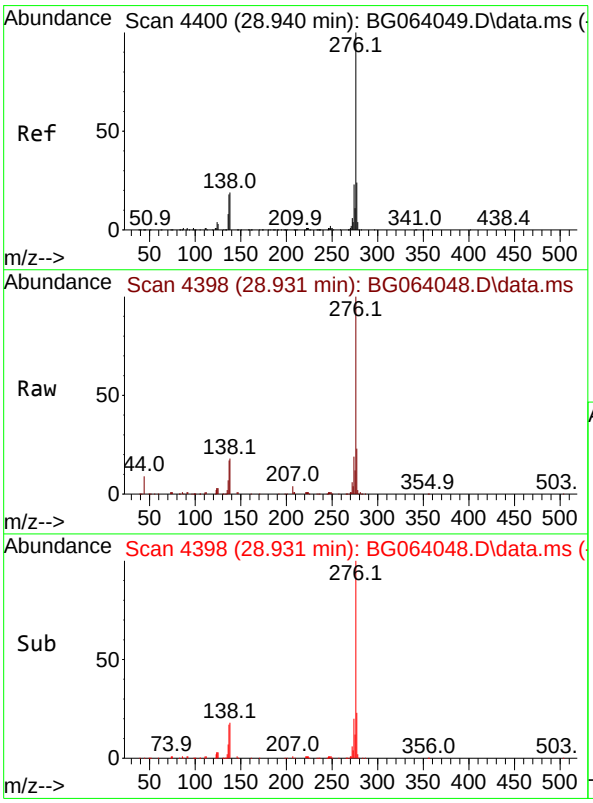
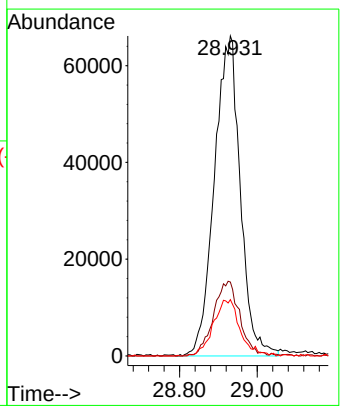


#92
Benzo(g,h,i)perylene
Concen: 21.219 ng
RT: 28.931 min Scan# 4398
Delta R.T. -0.009 min
Lab File: BG064048.D
Acq: 5 Mar 2025 11:03

Tgt Ion:276 Resp: 307072

Ion	Ratio	Lower	Upper
276	100		
277	23.1	19.5	29.3
138	17.6	15.4	23.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064049.D
Acq On : 5 Mar 2025 11:43
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 05 15:23:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 14:45:06 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.865	152	36119	20.000	ng	0.00
21) Naphthalene-d8	10.656	136	166592	20.000	ng	0.00
39) Acenaphthene-d10	14.486	164	113406	20.000	ng	0.00
64) Phenanthrene-d10	17.230	188	259291	20.000	ng	0.00
76) Chrysene-d12	21.461	240	272676	20.000	ng	0.00
86) Perylene-d12	24.475	264	289801	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.450	112	195059	84.325	ng	0.00
7) Phenol-d6	7.030	99	267026	84.856	ng	0.00
23) Nitrobenzene-d5	9.016	82	256618	85.125	ng	0.00
42) 2,4,6-Tribromophenol	15.973	330	109187	86.616	ng	0.00
45) 2-Fluorobiphenyl	13.117	172	620339	83.029	ng	0.00
79) Terphenyl-d14	19.851	244	1089644	80.801	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.376	88	42253	40.305	ng	100
3) Pyridine	3.764	79	113639	44.572	ng	100
4) n-Nitrosodimethylamine	3.681	42	76876	42.203	ng	100
6) Aniline	7.195	93	131468	42.576	ng	100
8) 2-Chlorophenol	7.430	128	104423	42.032	ng	100
9) Benzaldehyde	7.007	77	72458	39.392	ng	100
10) Phenol	7.054	94	135869	42.171	ng	100
11) bis(2-Chloroethyl)ether	7.295	93	102203	40.462	ng	100
12) 1,3-Dichlorobenzene	7.759	146	111677	40.935	ng	100
13) 1,4-Dichlorobenzene	7.900	146	114970	41.114	ng	100
14) 1,2-Dichlorobenzene	8.217	146	109760	40.705	ng	100
15) Benzyl Alcohol	8.100	79	103751	42.666	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.399	45	237053	41.738	ng	100
17) 2-Methylphenol	8.299	107	91630	42.852	ng	100
18) Hexachloroethane	8.946	117	41682	42.603	ng	100
19) n-Nitroso-di-n-propyla...	8.670	70	95587	43.283	ng	100
20) 3+4-Methylphenols	8.629	107	123273	41.875	ng	100
22) Acetophenone	8.681	105	187490	41.048	ng	100
24) Nitrobenzene	9.057	77	132396	42.497	ng	100
25) Isophorone	9.580	82	248096	41.117	ng	100
26) 2-Nitrophenol	9.768	139	40684	39.553	ng	100
27) 2,4-Dimethylphenol	9.827	122	76114	42.079	ng	100
28) bis(2-Chloroethoxy)met...	10.068	93	147757	40.391	ng	100
29) 2,4-Dichlorophenol	10.297	162	95738	41.916	ng	100
30) 1,2,4-Trichlorobenzene	10.515	180	110636	40.125	ng	100
31) Naphthalene	10.703	128	359362	40.004	ng	100
32) Benzoic acid	9.974	122	57392m	37.004	ng	
33) 4-Chloroaniline	10.808	127	138722	42.251	ng	100
34) Hexachlorobutadiene	10.996	225	72822	40.294	ng	100
35) Caprolactam	11.578	113	36736	41.970	ng	100
36) 4-Chloro-3-methylphenol	11.931	107	124422	41.558	ng	100
37) 2-Methylnaphthalene	12.312	142	254296	40.099	ng	100
38) 1-Methylnaphthalene	12.530	142	250971	40.394	ng	100
40) 1,2,4,5-Tetrachloroben...	12.683	216	132854	41.034	ng	100
41) Hexachlorocyclopentadiene	12.665	237	39606	43.464	ng	100
43) 2,4,6-Trichlorophenol	12.918	196	81144	42.524	ng	100

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064049.D
Acq On : 5 Mar 2025 11:43
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 05 15:23:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 14:45:06 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.988	196	92122	43.449	ng	100
46) 1,1'-Biphenyl	13.323	154	348881	40.719	ng	100
47) 2-Chloronaphthalene	13.364	162	255541	40.894	ng	100
48) 2-Nitroaniline	13.564	65	78919	39.603	ng	100
49) Acenaphthylene	14.210	152	405756	41.052	ng	100
50) Dimethylphthalate	13.952	163	344791	41.187	ng	100
51) 2,6-Dinitrotoluene	14.063	165	66200	39.610	ng	100
52) Acenaphthene	14.557	154	269147m	40.492	ng	
53) 3-Nitroaniline	14.386	138	71724	44.330	ng	100
54) 2,4-Dinitrophenol	14.592	184	22778	36.881	ng	100
55) Dibenzofuran	14.886	168	440253	40.970	ng	100
56) 4-Nitrophenol	14.692	139	58316	42.977	ng	100
57) 2,4-Dinitrotoluene	14.845	165	91658	39.789	ng	100
58) Fluorene	15.538	166	335238	40.055	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.109	232	89594	43.345	ng	100
60) Diethylphthalate	15.321	149	378464	41.645	ng	100
61) 4-Chlorophenyl-phenyle...	15.538	204	166615	40.061	ng	100
62) 4-Nitroaniline	15.550	138	78323	44.838	ng	100
63) Azobenzene	15.826	77	398816	41.125	ng	100
65) 4,6-Dinitro-2-methylph...	15.609	198	38647	36.802	ng	100
66) n-Nitrosodiphenylamine	15.744	169	299980	40.872	ng	100
67) 4-Bromophenyl-phenylether	16.425	248	109095	41.081	ng	100
68) Hexachlorobenzene	16.537	284	118787	39.954	ng	100
69) Atrazine	16.696	200	82729	38.309	ng	100
70) Pentachlorophenol	16.878	266	77264	41.856	ng	100
71) Phenanthrene	17.271	178	560184	40.505	ng	100
72) Anthracene	17.365	178	562891	40.932	ng	100
73) Carbazole	17.630	167	532467	41.470	ng	100
74) Di-n-butylphthalate	18.206	149	652013	43.141	ng	100
75) Fluoranthene	19.281	202	683664	41.004	ng	100
77) Benzidine	19.463	184	170880	44.641	ng	100
78) Pyrene	19.645	202	714571	40.653	ng	100
80) Butylbenzylphthalate	20.544	149	253637	39.178	ng	100
81) Benzo(a)anthracene	21.443	228	710573	40.681	ng	100
82) 3,3'-Dichlorobenzidine	21.367	252	245252	43.385	ng	100
83) Chrysene	21.508	228	712310	40.888	ng	100
84) Bis(2-ethylhexyl)phtha...	21.378	149	412893	43.709	ng	100
85) Di-n-octyl phthalate	22.530	149	675516	41.459	ng	100
87) Indeno(1,2,3-cd)pyrene	27.877	276	797387	41.124	ng	100
88) Benzo(b)fluoranthene	23.529	252	704588	40.217	ng	100
89) Benzo(k)fluoranthene	23.593	252	727467	41.391	ng	100
90) Benzo(a)pyrene	24.340	252	641802	41.134	ng	100
91) Dibenzo(a,h)anthracene	27.947	278	656435	40.836	ng	100
92) Benzo(g,h,i)perylene	28.940	276	667911	40.469	ng	100

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

ICAL Form

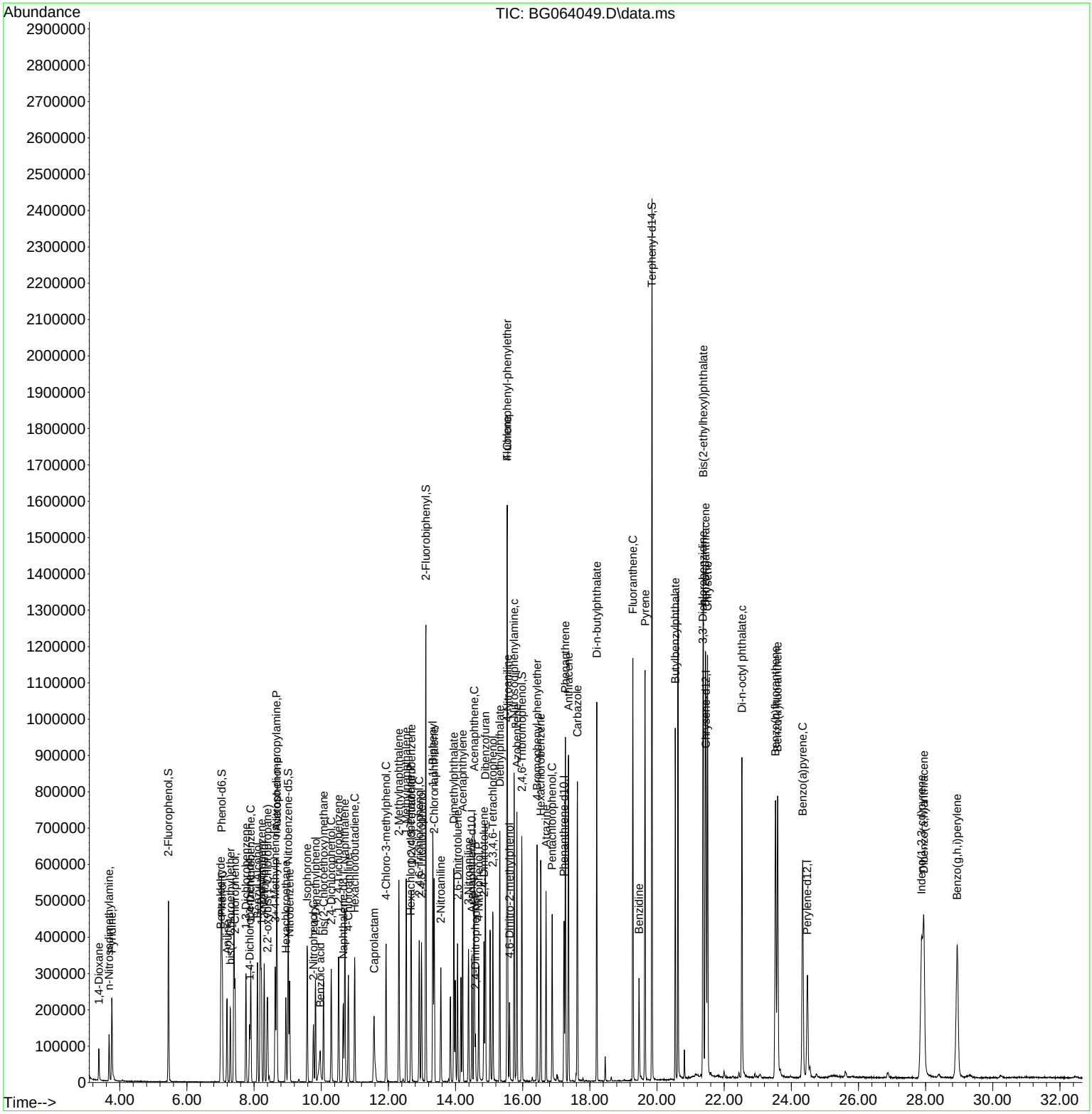
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064049.D
Acq On : 5 Mar 2025 11:43
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

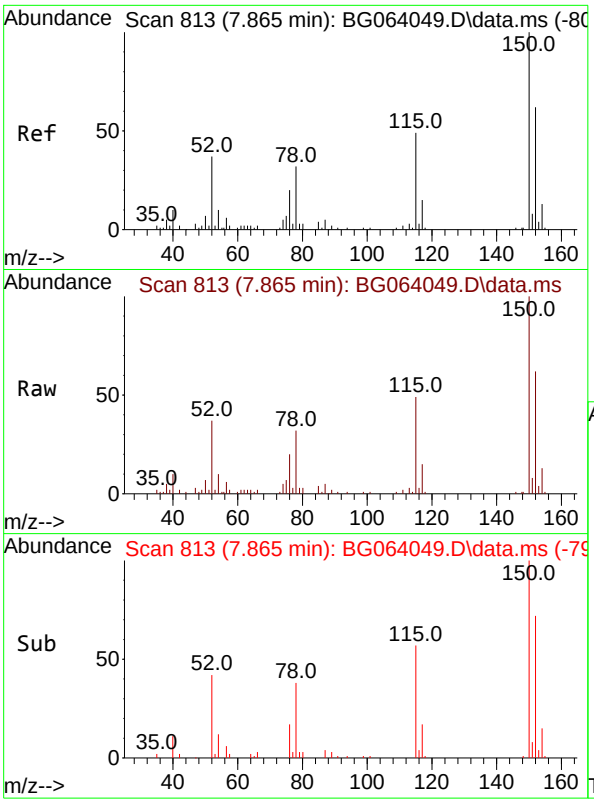
Quant Time: Mar 05 15:23:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 14:45:06 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

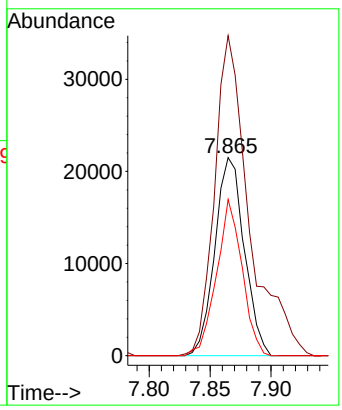




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.865 min Scan# 81
Delta R.T. -0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:152 Resp: 3611

Ion	Ratio	Lower	Upper
152	100		
150	161.5	129.2	193.8
115	78.8	63.0	94.6



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

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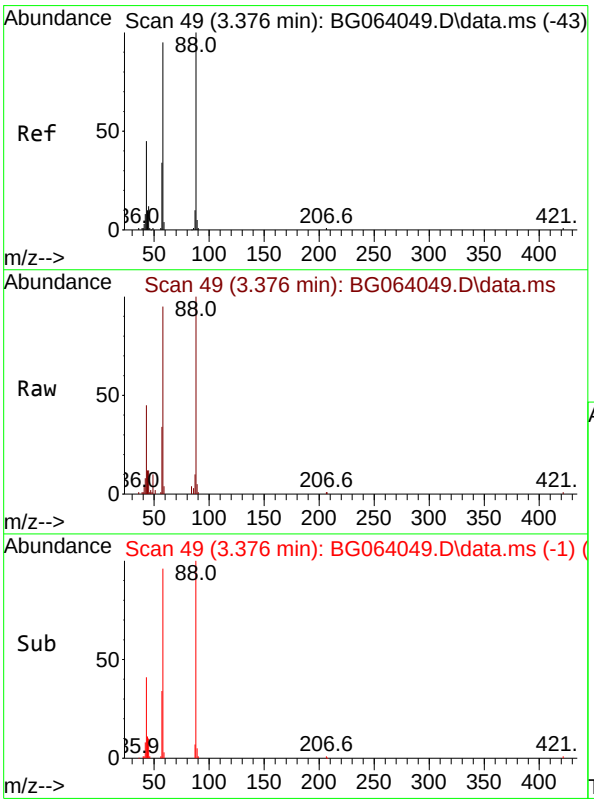
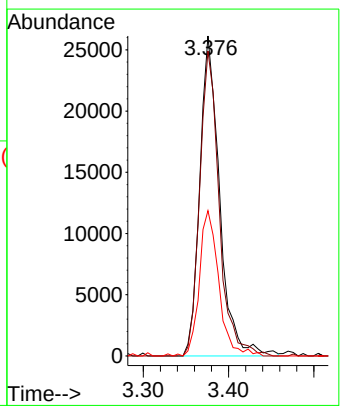
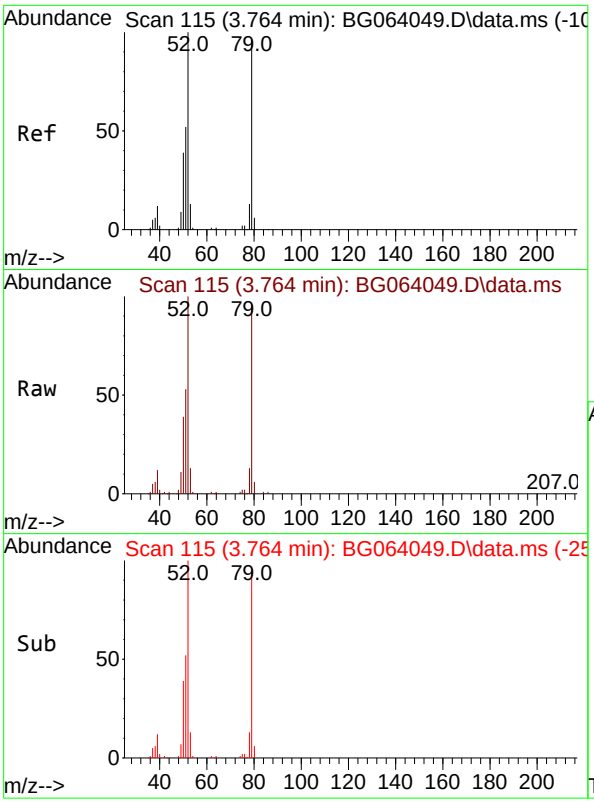


#2
1,4-Dioxane
Concen: 40.305 ng
RT: 3.376 min Scan# 49
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion: 88 Resp: 42253

Ion	Ratio	Lower	Upper
88	100		
58	93.2	74.6	111.8
43	44.4	35.5	53.3

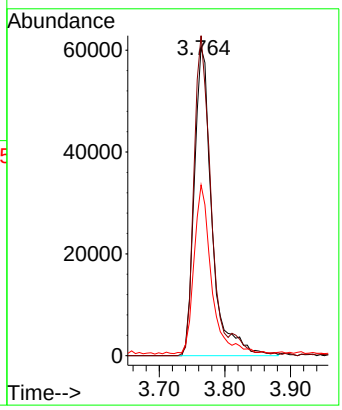




#3
Pyridine
Concen: 44.572 ng
RT: 3.764 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion: 79 Resp: 11363

Ion	Ratio	Lower	Upper
79	100		
52	103.8	83.0	124.6
51	55.4	44.3	66.5



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
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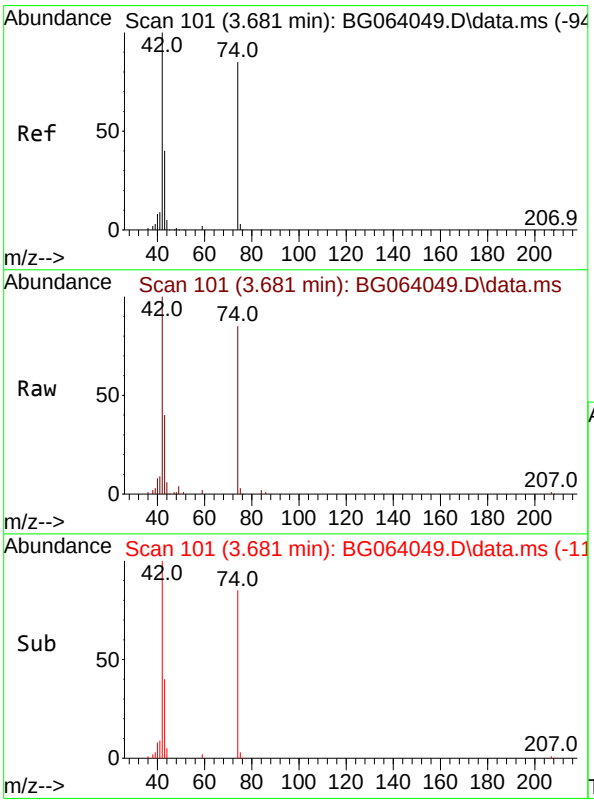
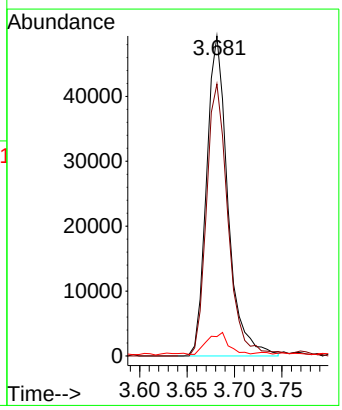
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

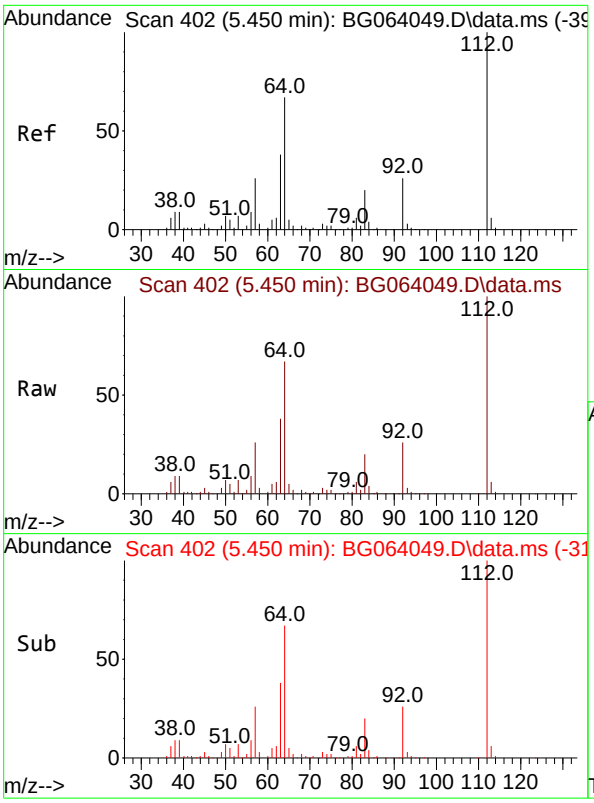


#4
n-Nitrosodimethylamine
Concen: 42.203 ng
RT: 3.681 min Scan# 101
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion: 42 Resp: 76876

Ion	Ratio	Lower	Upper
42	100		
74	85.0	68.0	102.0
44	6.1	4.9	7.3

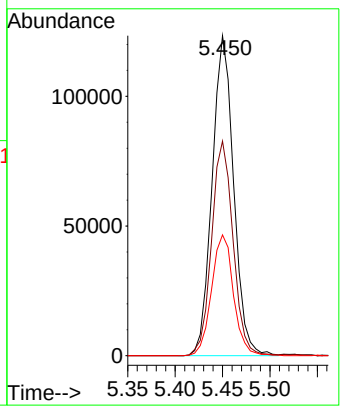




#5
2-Fluorophenol
Concen: 84.325 ng
RT: 5.450 min Scan# 4(
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:112 Resp: 19505

Ion	Ratio	Lower	Upper
112	100		
64	67.1	53.7	80.5
63	37.8	30.2	45.4



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
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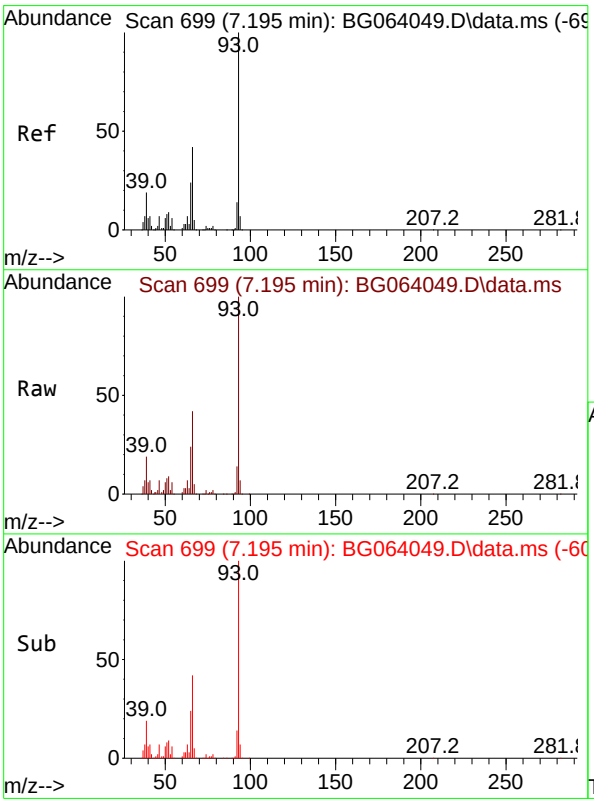
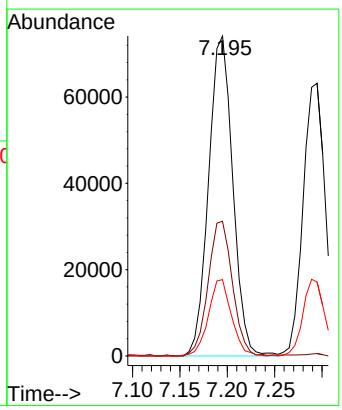
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

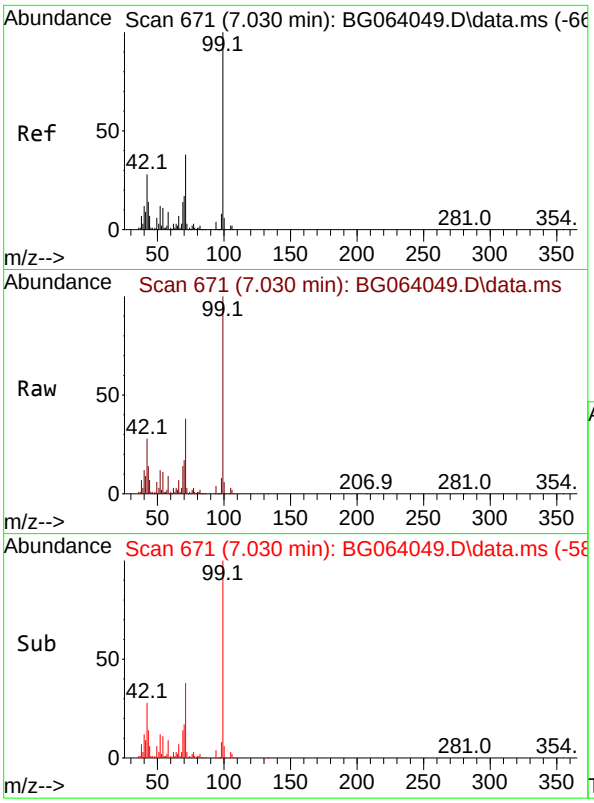


#6
Aniline
Concen: 42.576 ng
RT: 7.195 min Scan# 699
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion: 93 Resp: 131468

Ion	Ratio	Lower	Upper
93	100		
66	42.1	33.7	50.5
65	23.9	19.1	28.7





#7
Phenol-d6
Concen: 84.856 ng
RT: 7.030 min Scan# 6
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

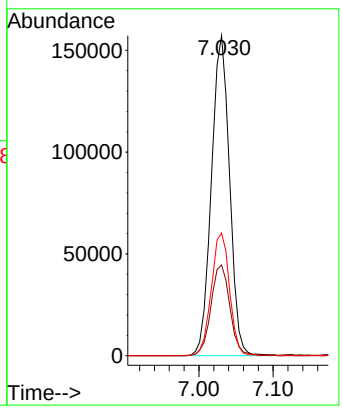
Tgt Ion: 99 Resp: 26702

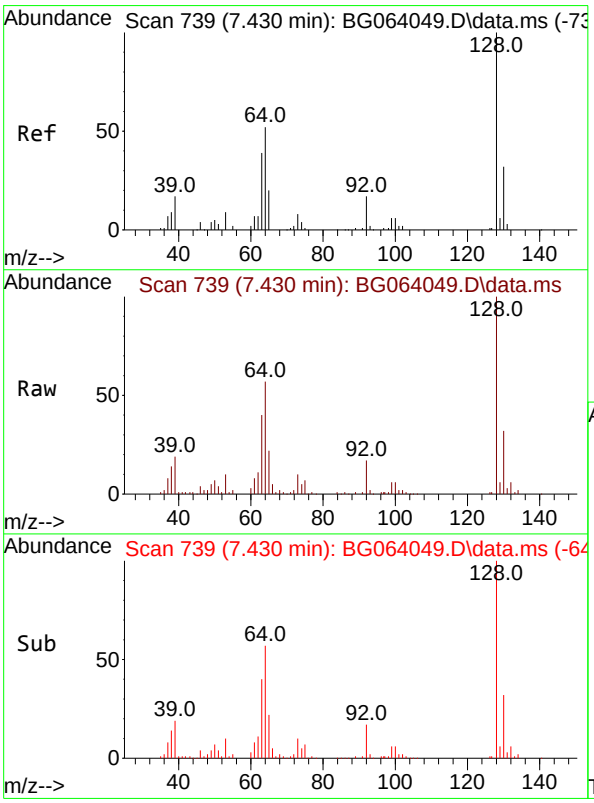
Ion	Ratio	Lower	Upper
99	100		
42	28.4	22.7	34.1
71	38.3	30.6	46.0

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

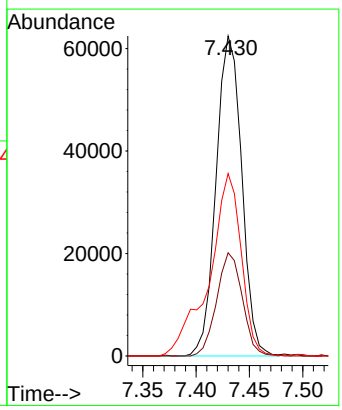


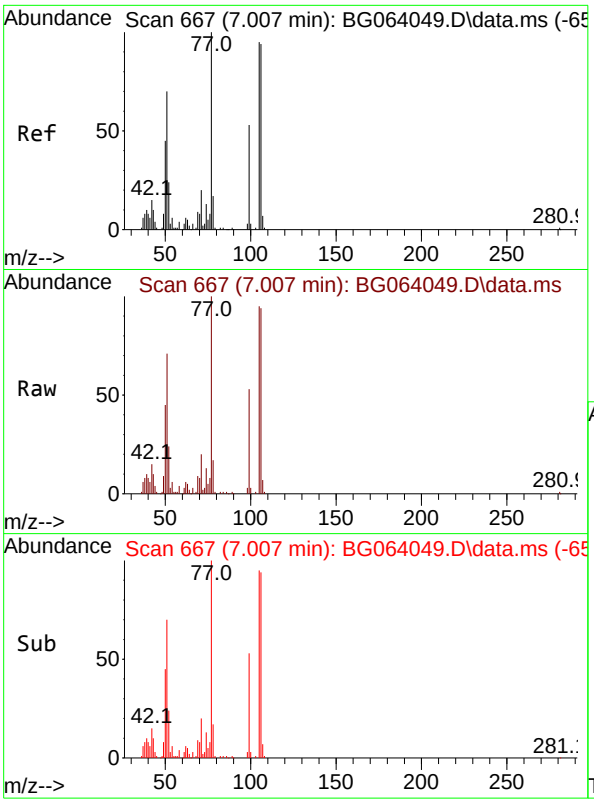


#8
2-Chlorophenol
Concen: 42.032 ng
RT: 7.430 min Scan# 739
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:128 Resp: 104423

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.3	52.3
64	57.0	37.0	77.0

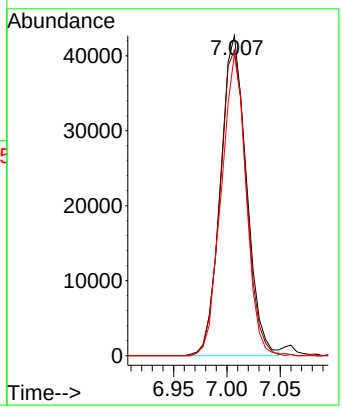




#9
Benzaldehyde
Concen: 39.392 ng
RT: 7.007 min Scan# 6
Delta R.T. -0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion: 77 Resp: 7245

Ion	Ratio	Lower	Upper
77	100		
105	95.5	75.5	115.5
106	94.2	74.2	114.2



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

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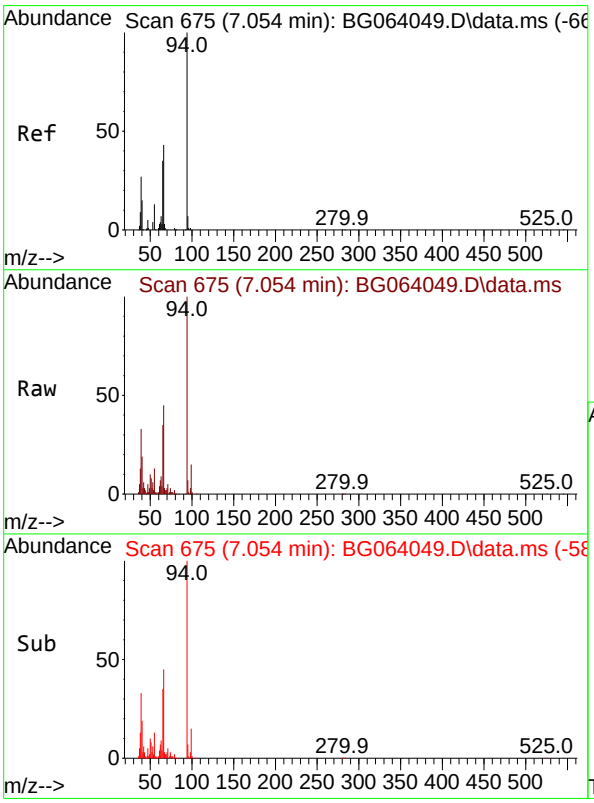
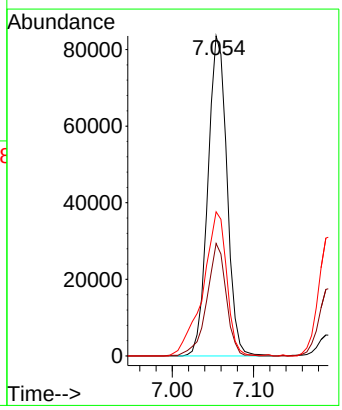
Supervised By :mohammad ahmed 03/07/2025

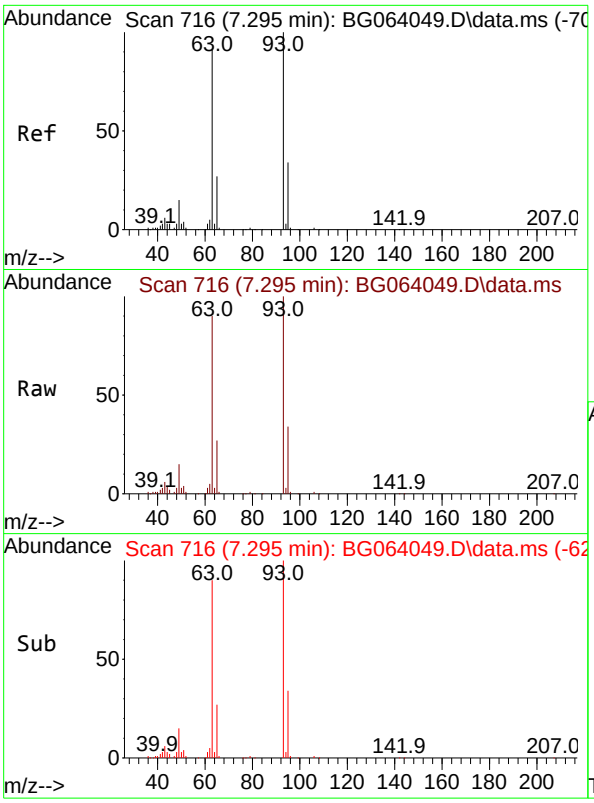


#10
Phenol
Concen: 42.171 ng
RT: 7.054 min Scan# 675
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion: 94 Resp: 135869

Ion	Ratio	Lower	Upper
94	100		
65	35.2	15.2	55.2
66	45.1	25.1	65.1

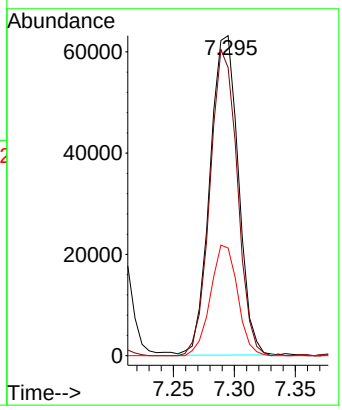




#11
bis(2-Chloroethyl)ether
Concen: 40.462 ng
RT: 7.295 min Scan# 7
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion: 93 Resp: 10220

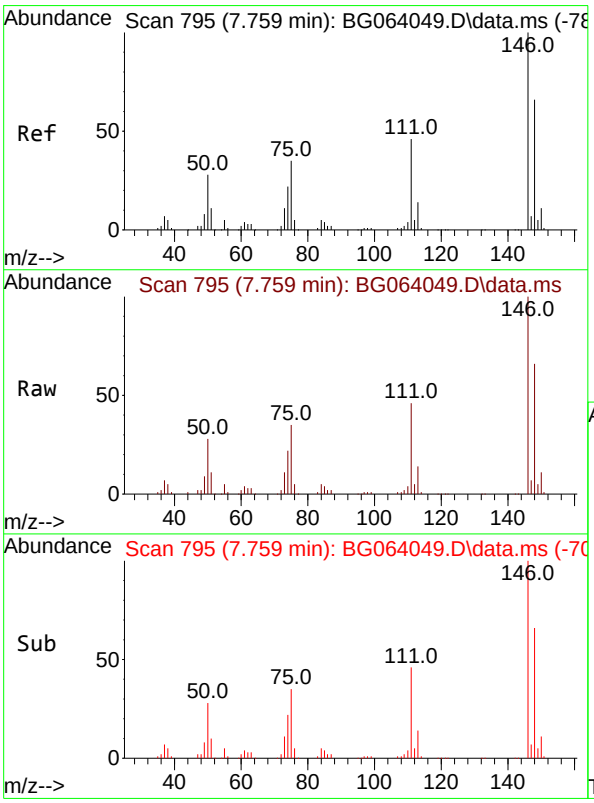
Ion	Ratio	Lower	Upper
93	100		
63	90.0	70.0	110.0
95	33.7	13.7	53.7



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

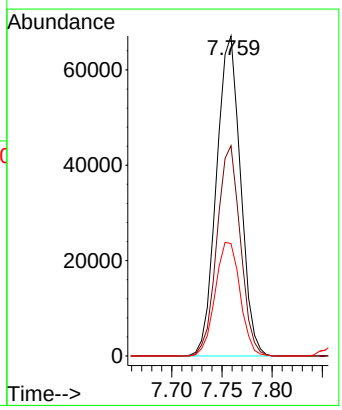
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

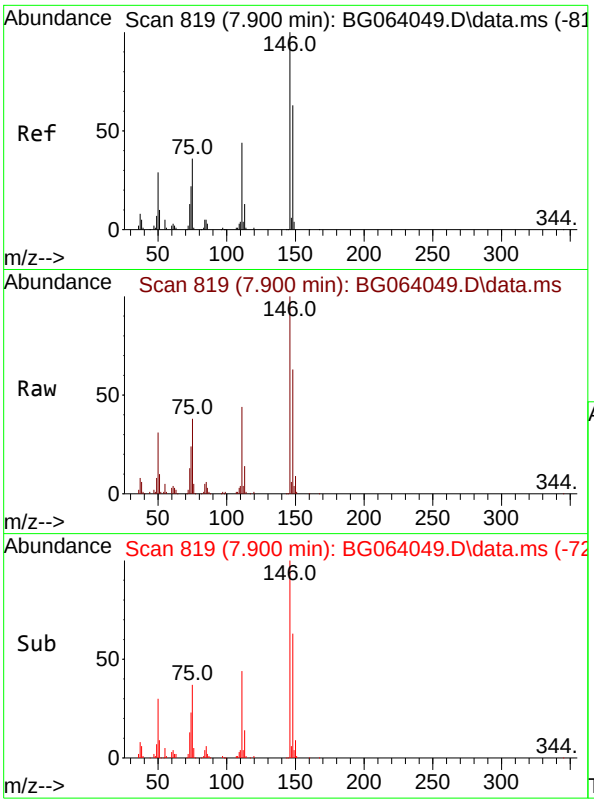


#12
1,3-Dichlorobenzene
Concen: 40.935 ng
RT: 7.759 min Scan# 795
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:146 Resp: 111677

Ion	Ratio	Lower	Upper
146	100		
148	65.7	52.6	78.8
75	35.1	28.1	42.1

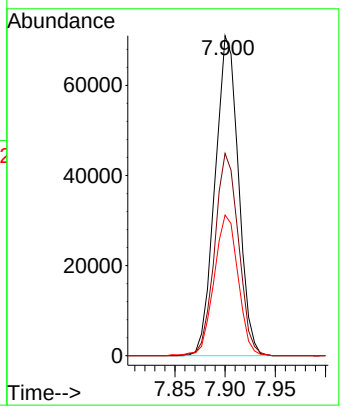




#13
1,4-Dichlorobenzene
Concen: 41.114 ng
RT: 7.900 min Scan# 81
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:146 Resp: 11497

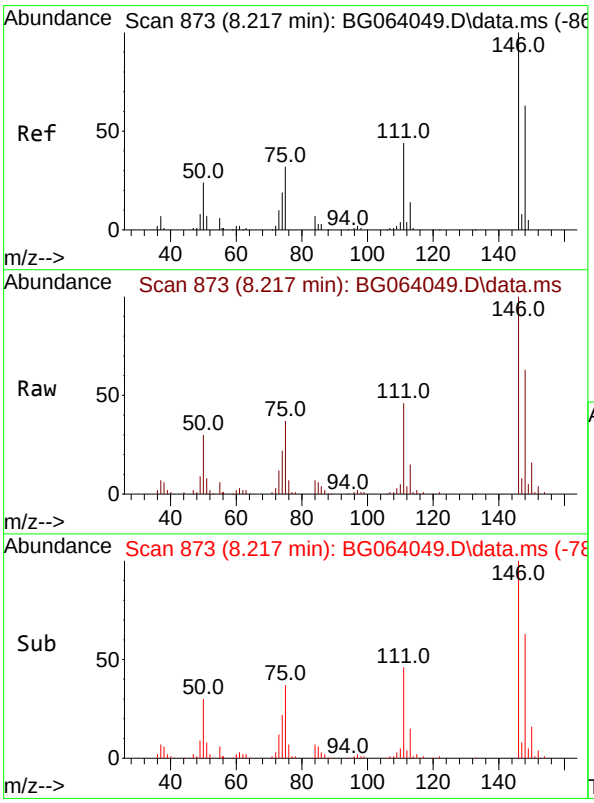
Ion	Ratio	Lower	Upper
146	100		
148	63.2	50.6	75.8
111	43.9	35.1	52.7



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

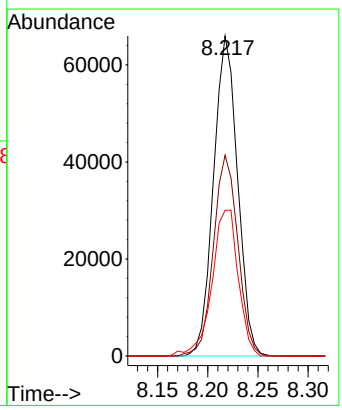
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

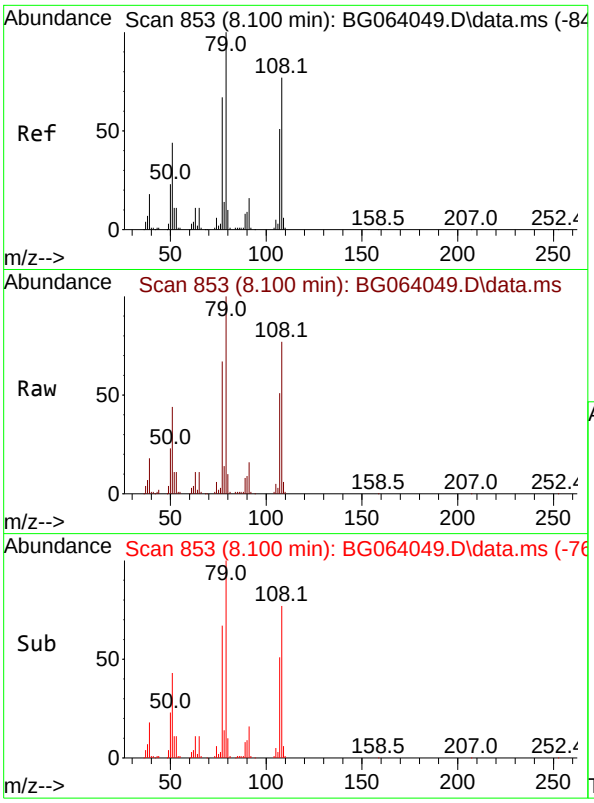


#14
1,2-Dichlorobenzene
Concen: 40.705 ng
RT: 8.217 min Scan# 873
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:146 Resp: 109760

Ion	Ratio	Lower	Upper
146	100		
148	62.7	50.2	75.2
111	45.5	36.4	54.6

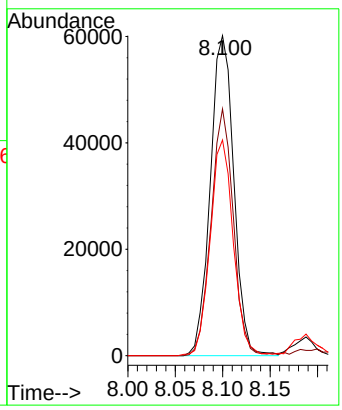




#15
Benzyl Alcohol
Concen: 42.666 ng
RT: 8.100 min Scan# 8
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion: 79 Resp: 10375

Ion	Ratio	Lower	Upper
79	100		
108	77.1	61.7	92.5
77	67.4	53.9	80.9



Instrument :
BNA_G
ClientSampleId :
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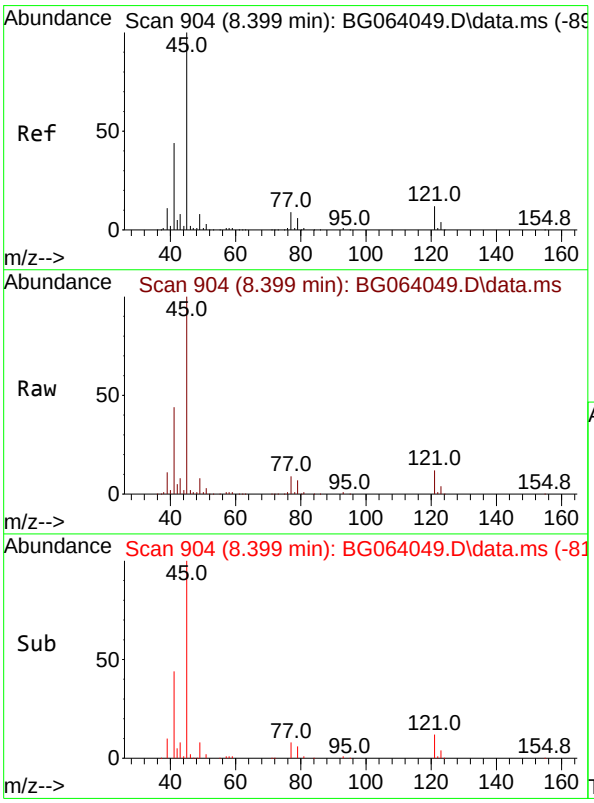
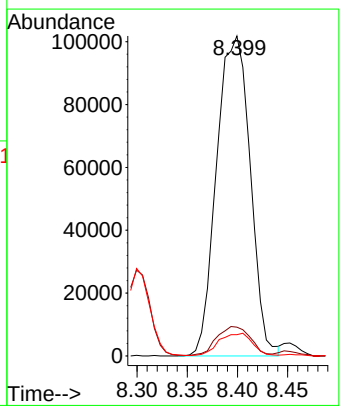
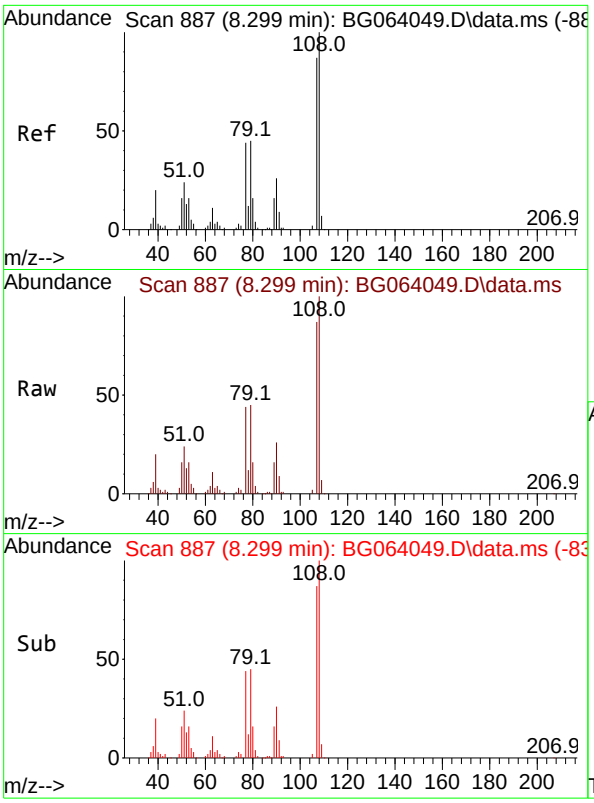


#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.738 ng
RT: 8.399 min Scan# 904
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion: 45 Resp: 237053

Ion	Ratio	Lower	Upper
45	100		
77	9.0	0.0	29.0
79	6.6	0.0	26.6

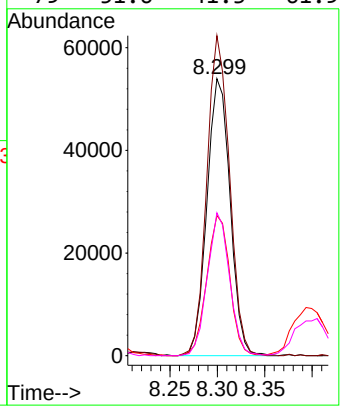




#17
2-Methylphenol
Concen: 42.852 ng
RT: 8.299 min Scan# 8
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:107 Resp: 9163

Ion	Ratio	Lower	Upper
107	100		
108	115.6	92.5	138.7
77	50.6	40.5	60.7
79	51.6	41.3	61.9



Instrument :
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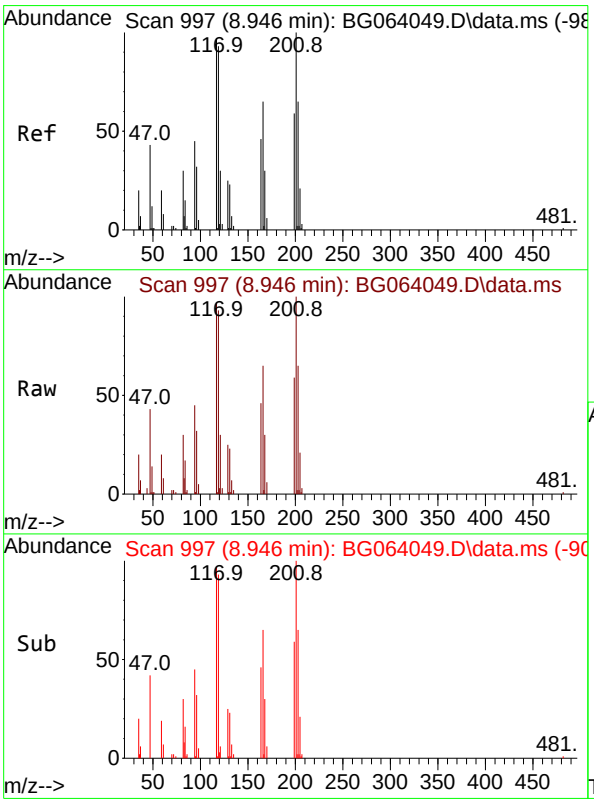
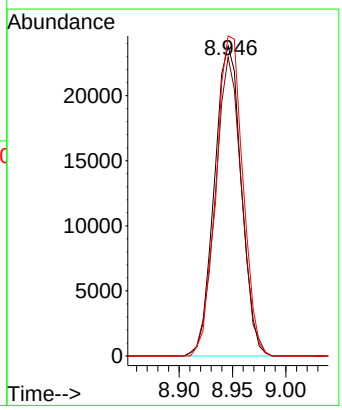
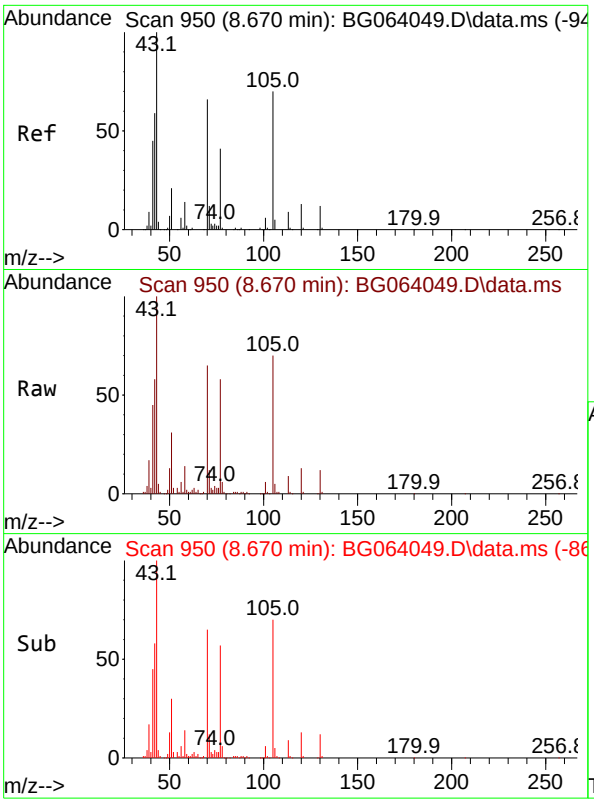


#18
Hexachloroethane
Concen: 42.603 ng
RT: 8.946 min Scan# 997
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:117 Resp: 41682

Ion	Ratio	Lower	Upper
117	100		
119	95.2	76.2	114.2
201	101.9	81.5	122.3

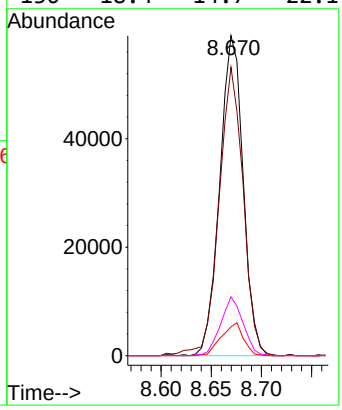




#19
n-Nitroso-di-n-propylamine
Concen: 43.283 ng
RT: 8.670 min Scan# 9
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion: 70 Resp: 9558

Ion	Ratio	Lower	Upper
70	100		
42	90.1	72.1	108.1
101	9.0	7.2	10.8
130	18.4	14.7	22.1



Instrument :
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ClientSampleId :
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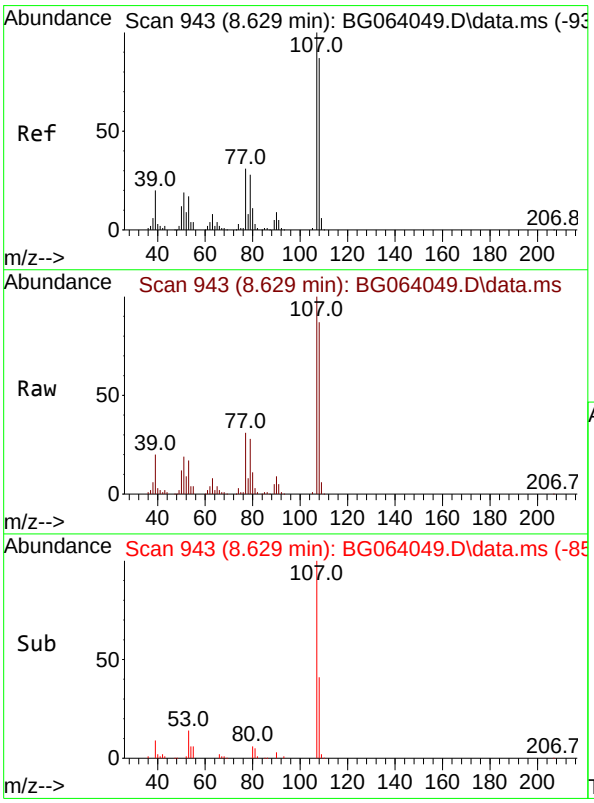
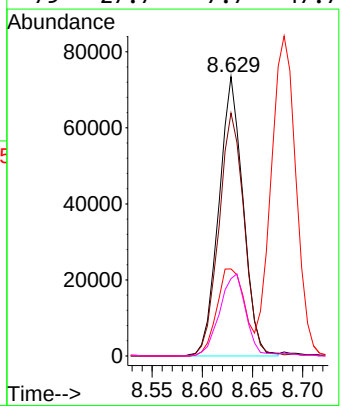
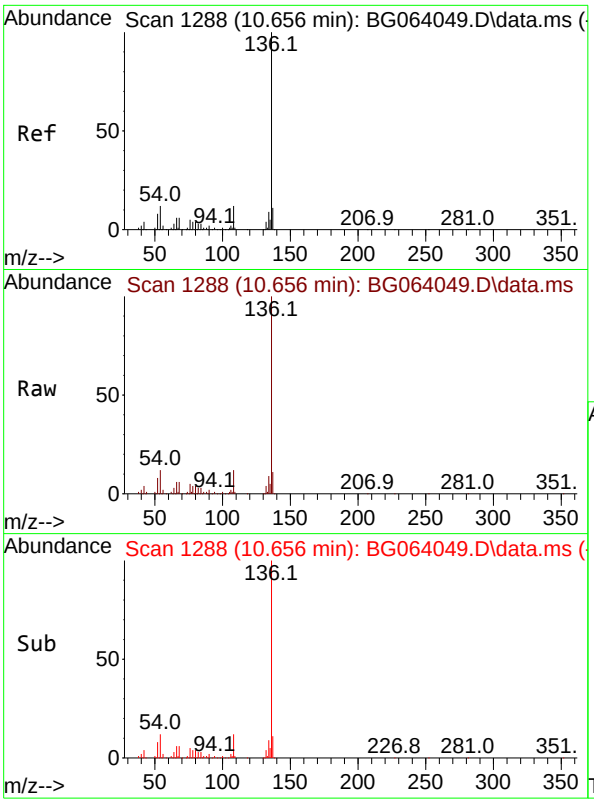


#20
3+4-Methylphenols
Concen: 41.875 ng
RT: 8.629 min Scan# 943
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:107 Resp: 123273

Ion	Ratio	Lower	Upper
107	100		
108	87.0	67.0	107.0
77	31.2	11.2	51.2
79	27.7	7.7	47.7

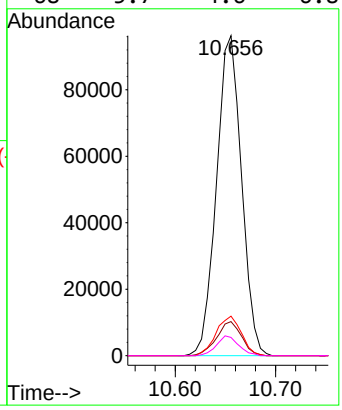




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.656 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:136 Resp: 16659

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.5	12.7
54	12.4	9.9	14.9
68	5.7	4.6	6.8



Instrument :
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ClientSampleId :
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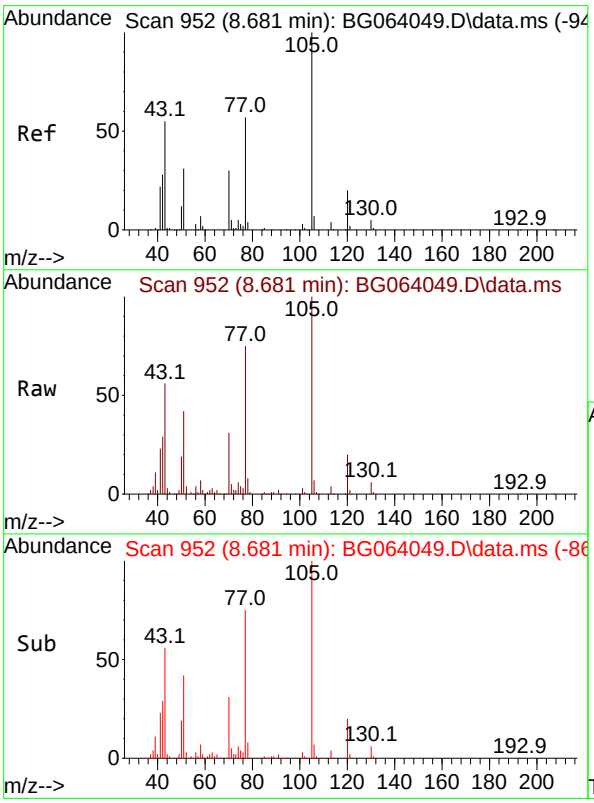
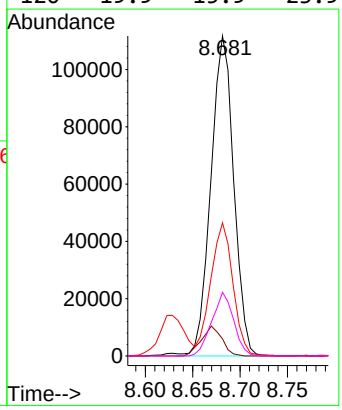
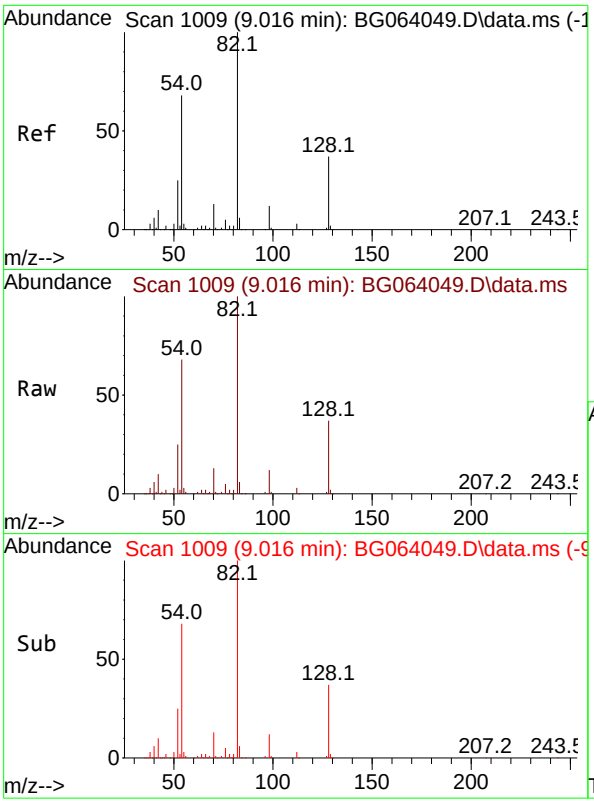


#22
Acetophenone
Concen: 41.048 ng
RT: 8.681 min Scan# 952
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:105 Resp: 187490

Ion	Ratio	Lower	Upper
105	100		
71	5.3	4.2	6.4
51	41.6	33.3	49.9
120	19.9	15.9	23.9

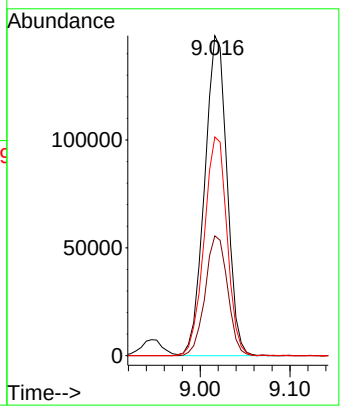




#23
Nitrobenzene-d5
Concen: 85.125 ng
RT: 9.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion: 82 Resp: 25661

Ion	Ratio	Lower	Upper
82	100		
128	37.5	30.0	45.0
54	68.4	54.7	82.1



Instrument :
BNA_G
ClientSampleId :
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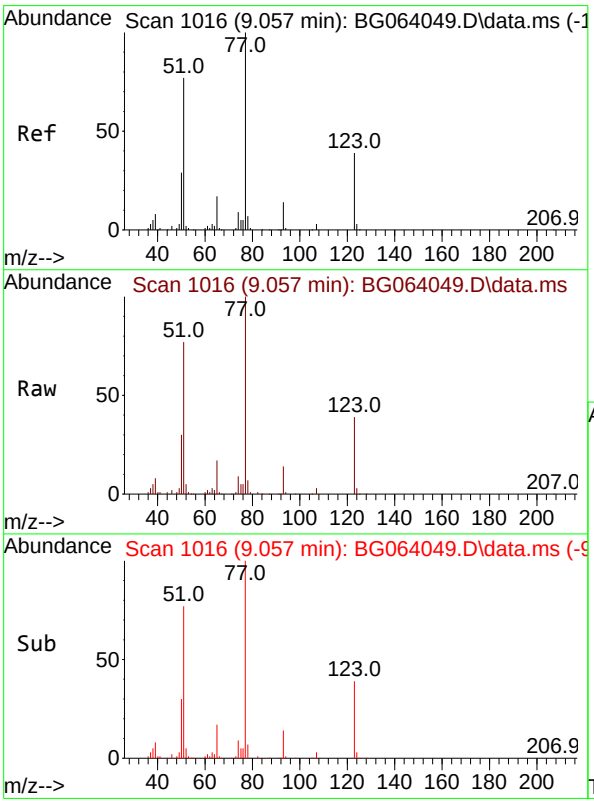
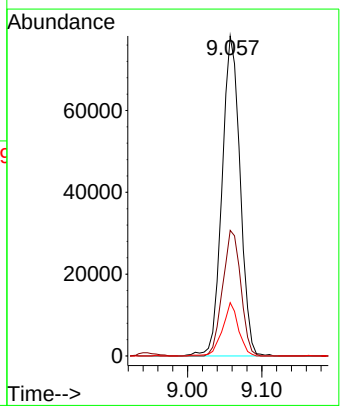
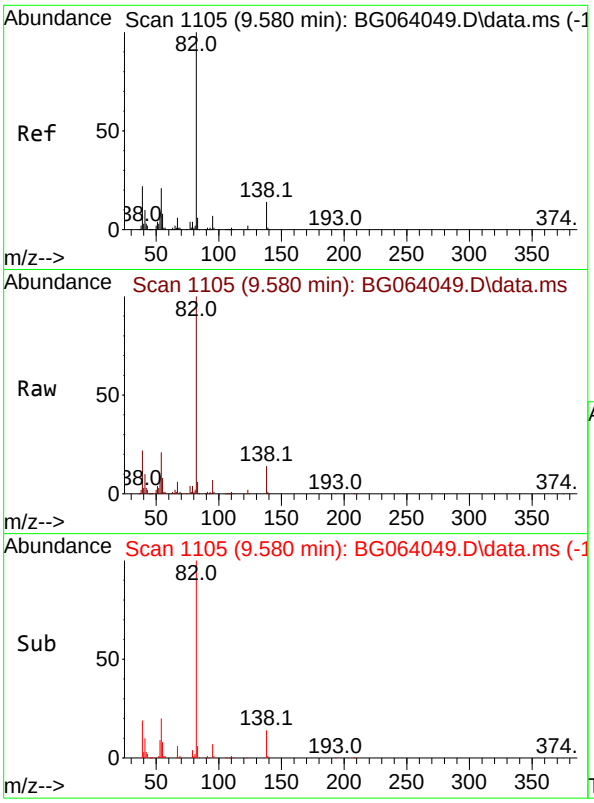


#24
Nitrobenzene
Concen: 42.497 ng
RT: 9.057 min Scan# 1016
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion: 77 Resp: 132396

Ion	Ratio	Lower	Upper
77	100		
123	39.3	31.4	47.2
65	16.7	13.4	20.0

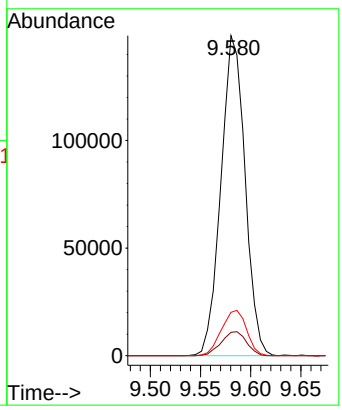




#25
Isophorone
Concen: 41.117 ng
RT: 9.580 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion: 82 Resp: 24809

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.8	8.8
138	13.6	10.9	16.3



Instrument :
BNA_G
ClientSampleId :
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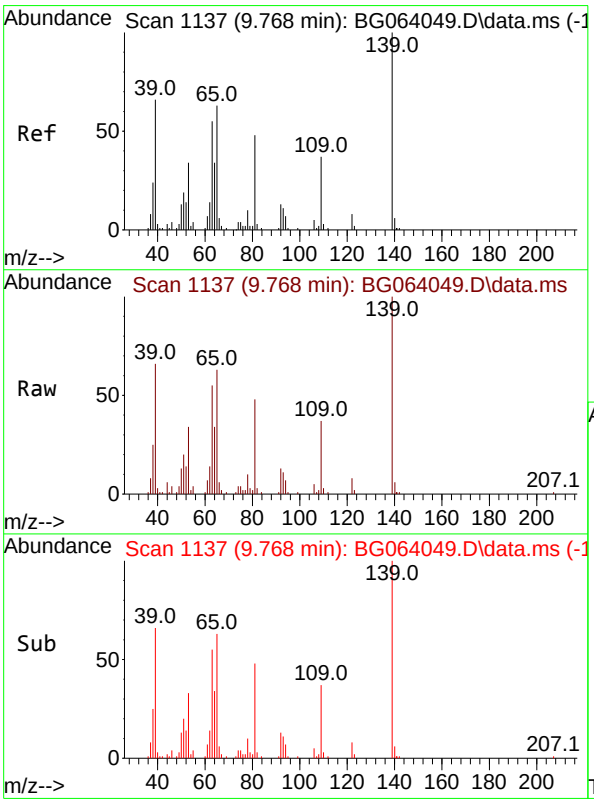
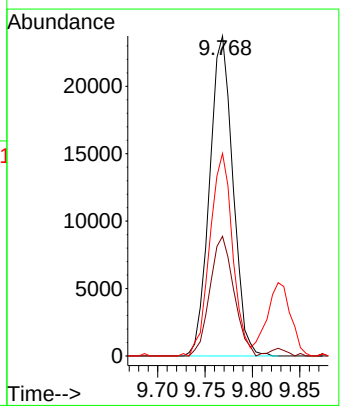
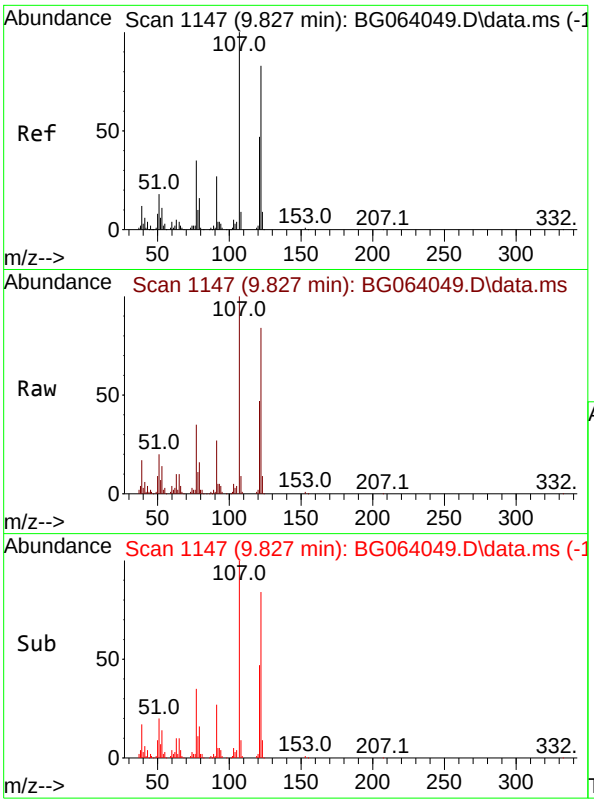


#26
2-Nitrophenol
Concen: 39.553 ng
RT: 9.768 min Scan# 1137
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:139 Resp: 40684

Ion	Ratio	Lower	Upper
139	100		
109	37.4	29.9	44.9
65	63.3	50.6	76.0

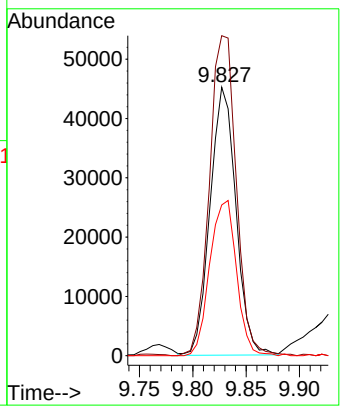




#27
2,4-Dimethylphenol
Concen: 42.079 ng
RT: 9.827 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:122 Resp: 7611

Ion	Ratio	Lower	Upper
122	100		
107	119.2	95.4	143.0
121	56.1	44.9	67.3



Instrument :
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ClientSampleId :
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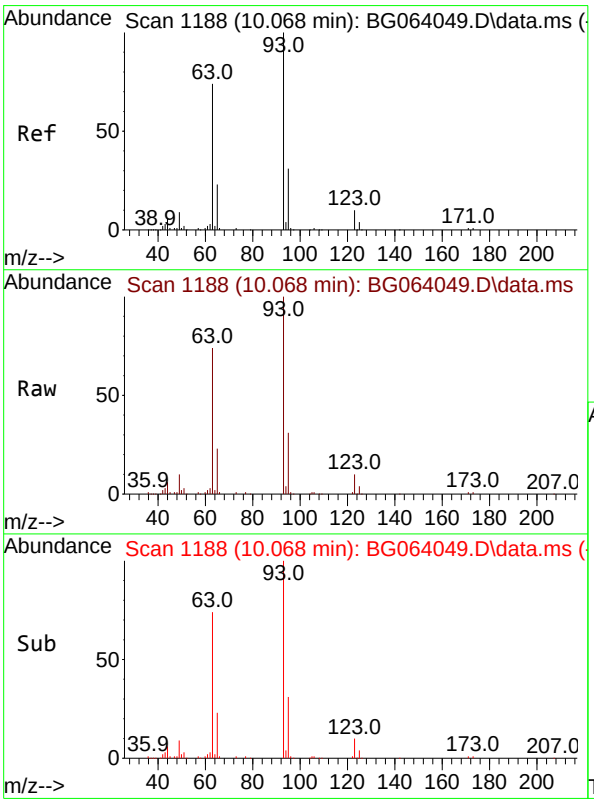
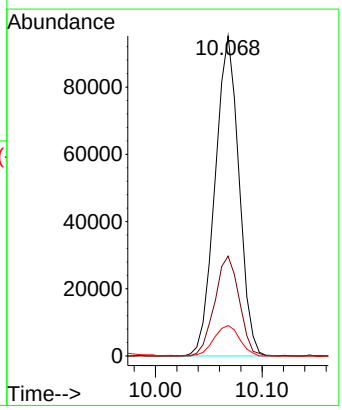
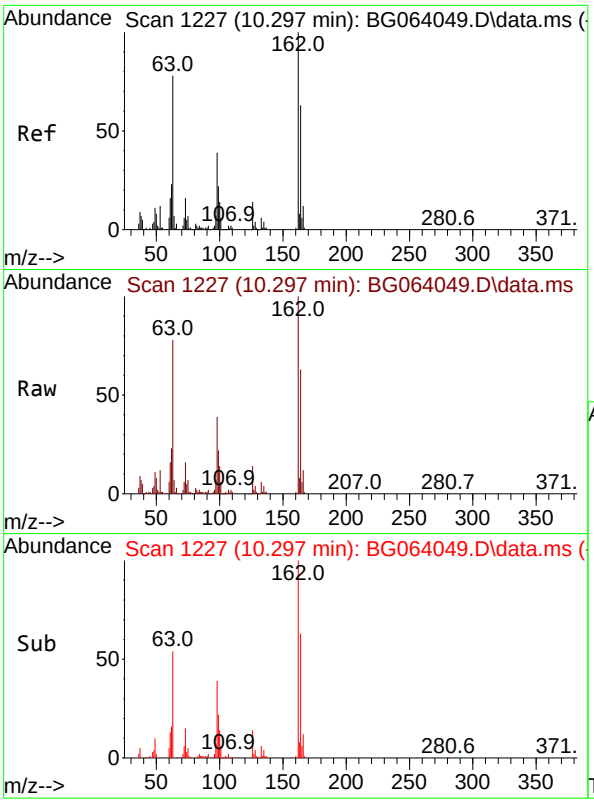


#28
bis(2-Chloroethoxy)methane
Concen: 40.391 ng
RT: 10.068 min Scan# 1188
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion: 93 Resp: 147757

Ion	Ratio	Lower	Upper
93	100		
95	31.2	25.0	37.4
123	9.5	7.6	11.4

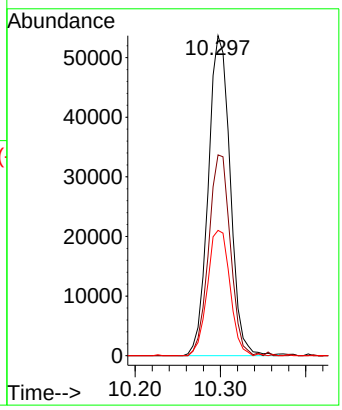




#29
2,4-Dichlorophenol
Concen: 41.916 ng
RT: 10.297 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:162 Resp: 9573

Ion	Ratio	Lower	Upper
162	100		
164	62.8	42.8	82.8
98	39.1	19.1	59.1



Instrument :
BNA_G
ClientSampleId :
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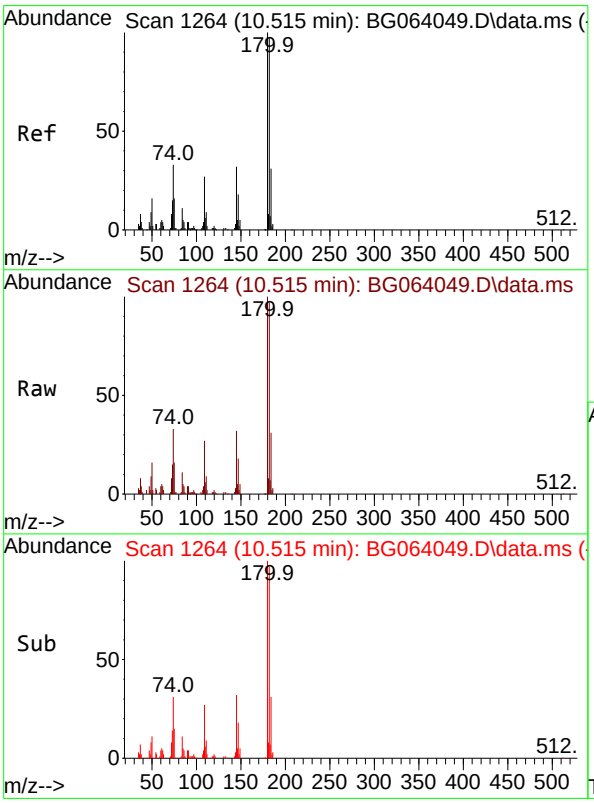
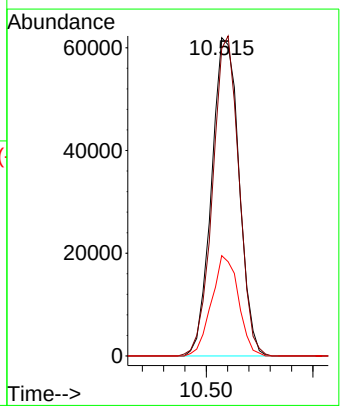
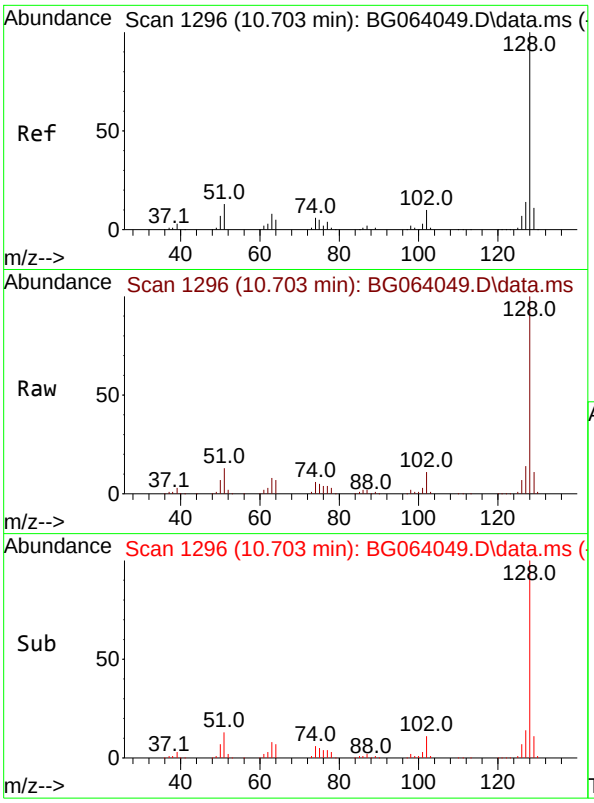


#30
1,2,4-Trichlorobenzene
Concen: 40.125 ng
RT: 10.515 min Scan# 1264
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:180 Resp: 110636

Ion	Ratio	Lower	Upper
180	100		
182	96.6	77.3	115.9
145	31.5	25.2	37.8

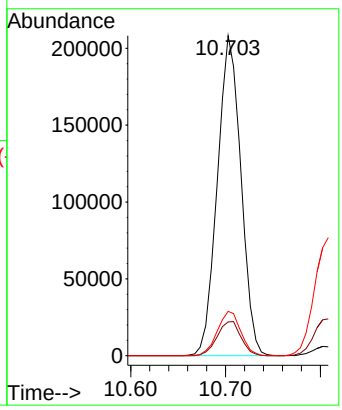




#31
Naphthalene
Concen: 40.004 ng
RT: 10.703 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:128 Resp: 35936

Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.4	12.6
127	13.9	11.1	16.7



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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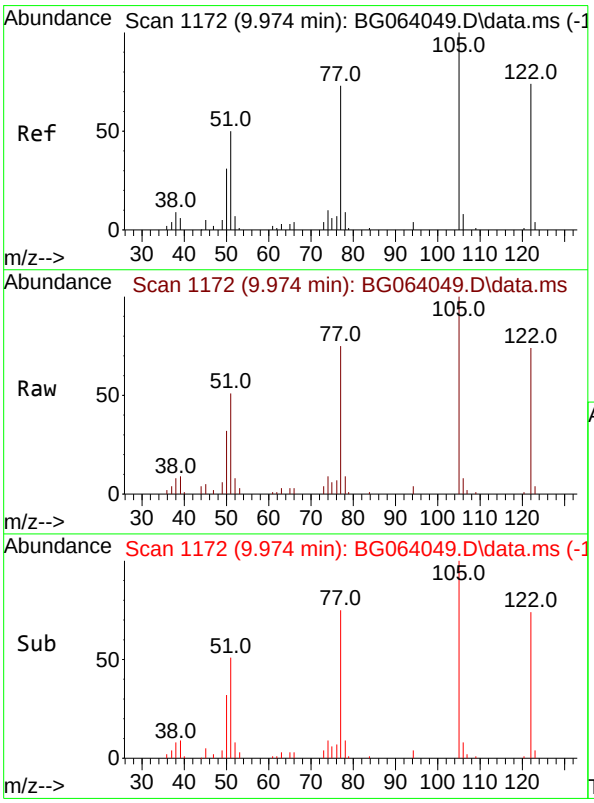
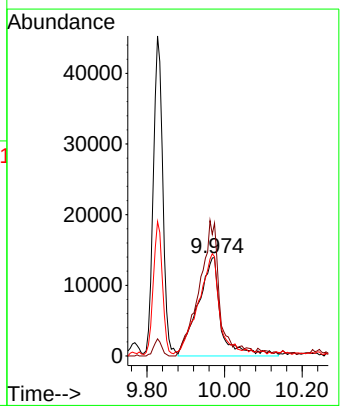
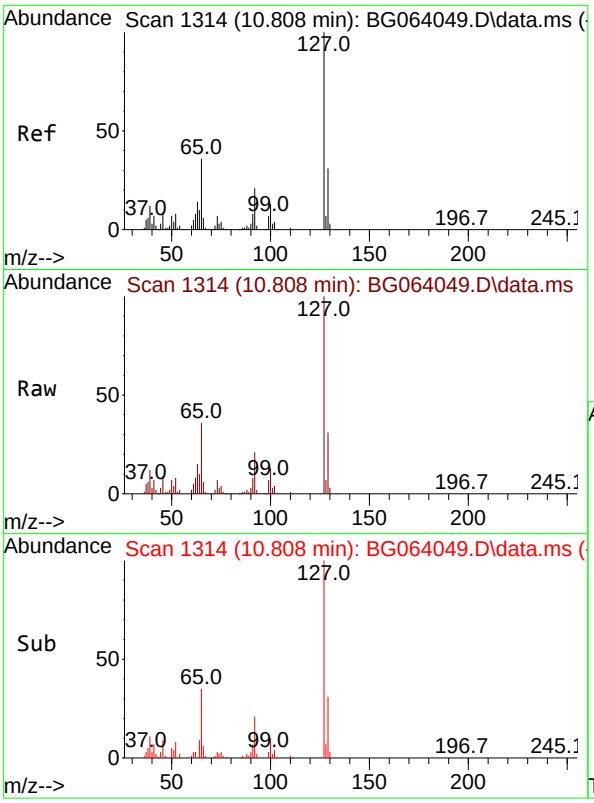


#32
Benzoic acid
Concen: 37.004 ng m
RT: 9.974 min Scan# 1172
Delta R.T. -0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:122 Resp: 57392

Ion	Ratio	Lower	Upper
122	100		
105	135.0	115.0	155.0
77	100.9	80.9	120.9

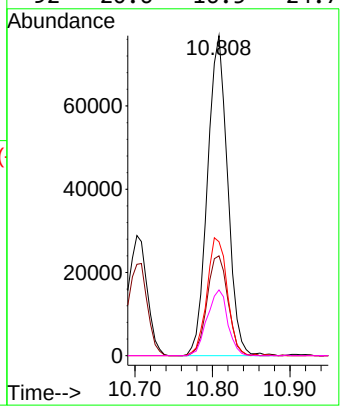




#33
4-Chloroaniline
Concen: 42.251 ng
RT: 10.808 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:127 Resp: 13872

Ion	Ratio	Lower	Upper
127	100		
129	31.2	25.0	37.4
65	35.6	28.5	42.7
92	20.6	16.5	24.7



Instrument :
BNA_G
ClientSampleId :
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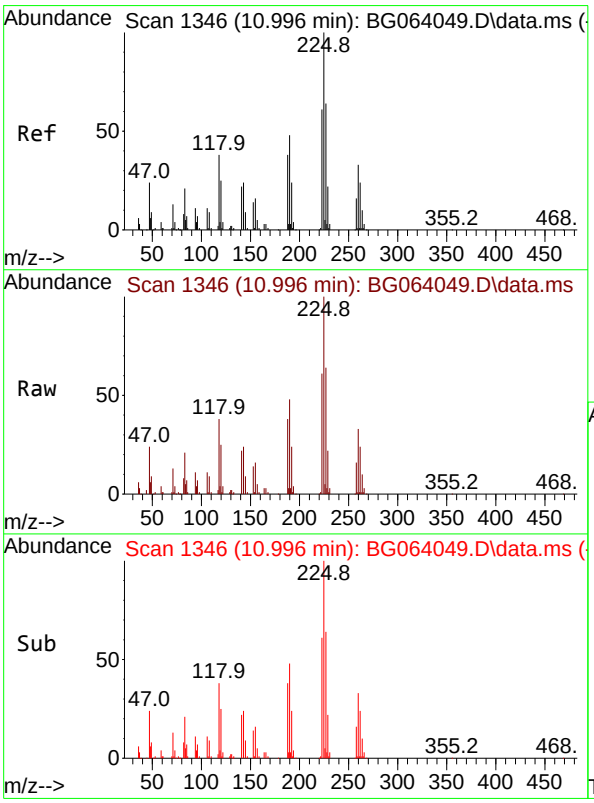
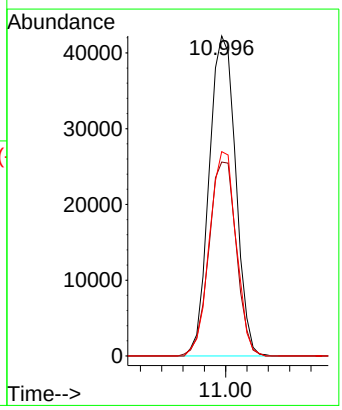
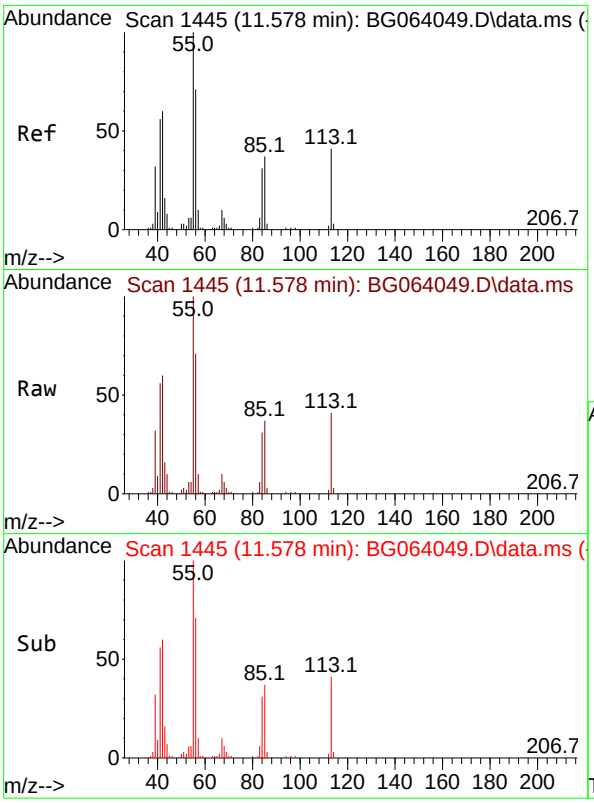


#34
Hexachlorobutadiene
Concen: 40.294 ng
RT: 10.996 min Scan# 1346
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:225 Resp: 72822

Ion	Ratio	Lower	Upper
225	100		
223	60.6	48.5	72.7
227	63.8	51.0	76.6





#35
Caprolactam
Concen: 41.970 ng
RT: 11.578 min Scan# 14
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:113 Resp: 3673

Ion	Ratio	Lower	Upper
113	100		
55	245.2	225.2	265.2
56	173.4	153.4	193.4

Instrument :
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ClientSampleId :
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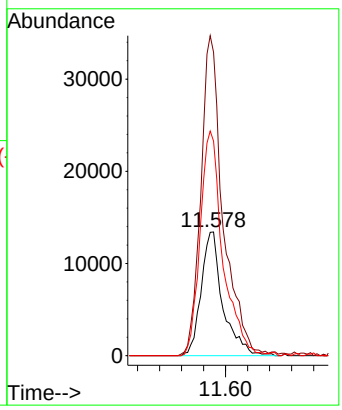
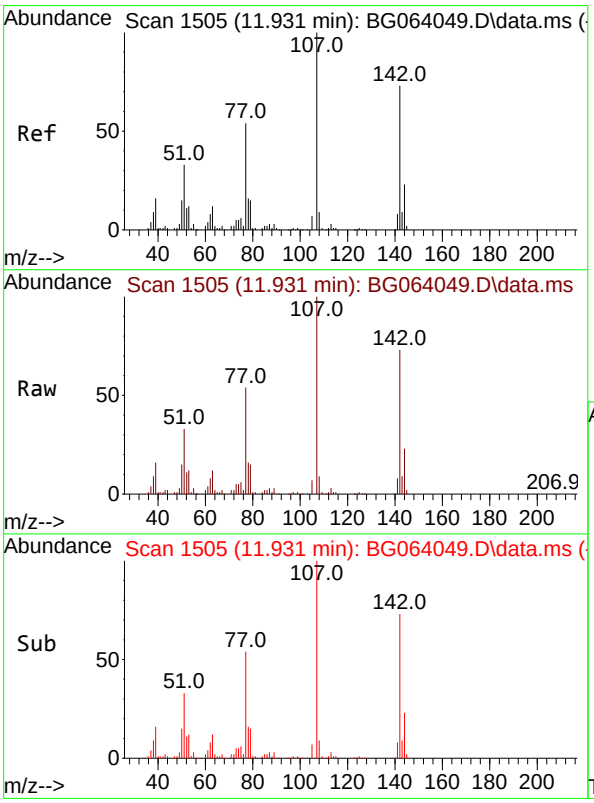
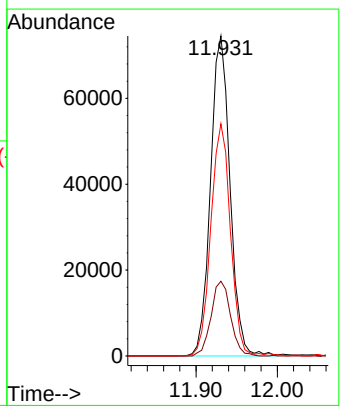


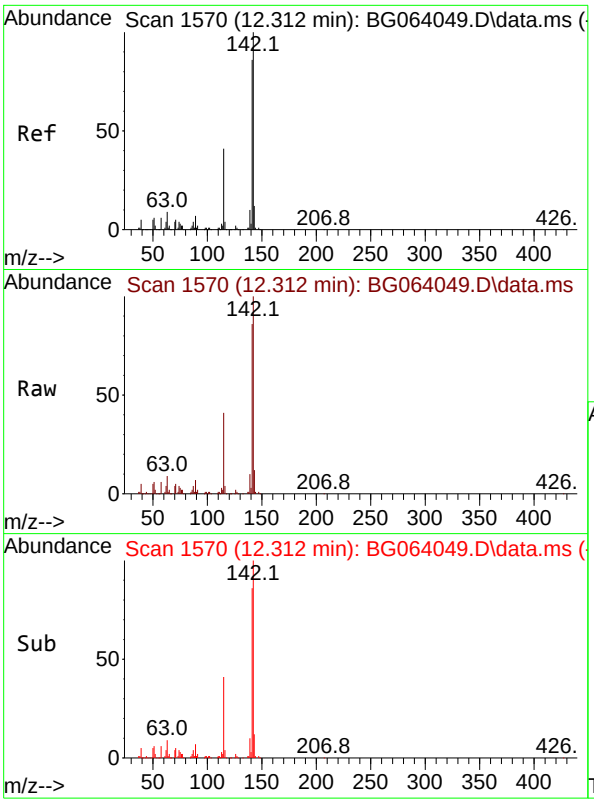


#36
4-Chloro-3-methylphenol
Concen: 41.558 ng
RT: 11.931 min Scan# 1505
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:107 Resp: 124422

Ion	Ratio	Lower	Upper
107	100		
144	23.3	18.6	28.0
142	72.5	58.0	87.0

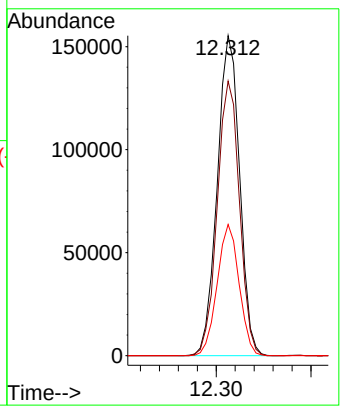




#37
2-Methylnaphthalene
Concen: 40.099 ng
RT: 12.312 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:142 Resp: 25429

Ion	Ratio	Lower	Upper
142	100		
141	85.8	68.6	103.0
115	41.0	32.8	49.2



Instrument :
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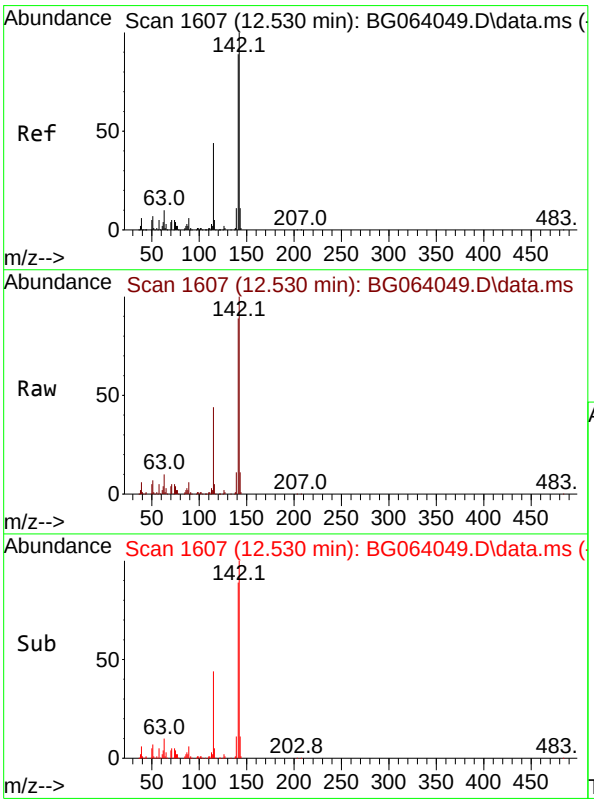
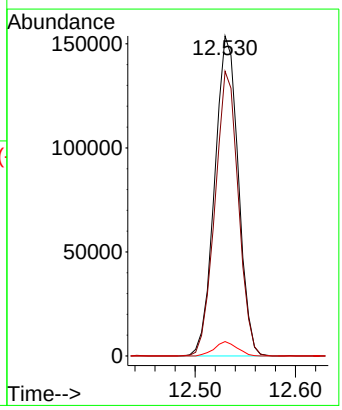
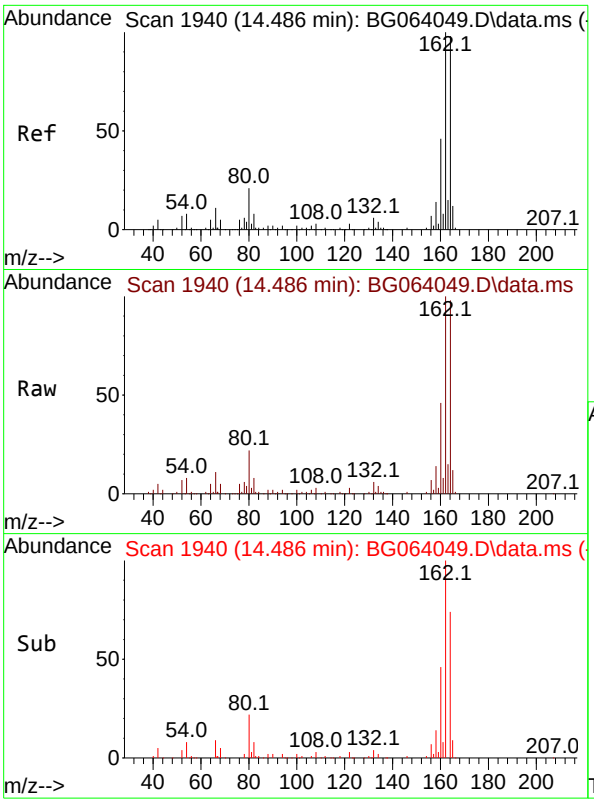


#38
1-Methylnaphthalene
Concen: 40.394 ng
RT: 12.530 min Scan# 1607
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:142 Resp: 250971

Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.2	106.8
116	4.5	3.6	5.4

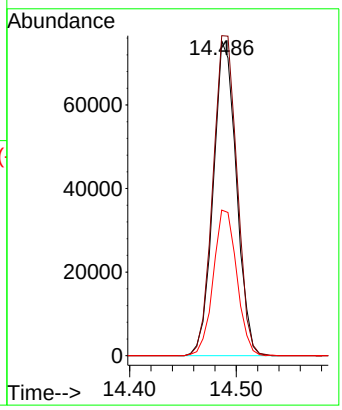




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.486 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:164 Resp: 11340

Ion	Ratio	Lower	Upper
164	100		
162	101.7	81.4	122.0
160	46.3	37.0	55.6



Instrument :
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ClientSampleId :
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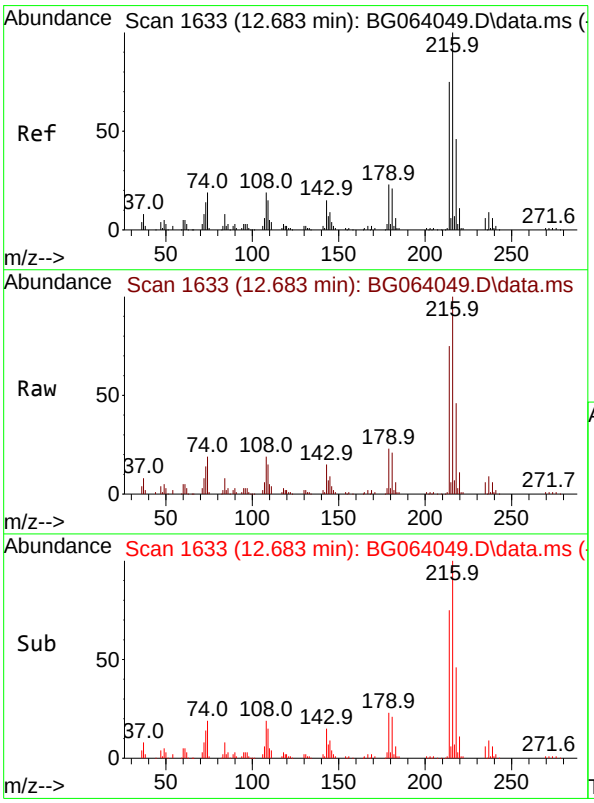
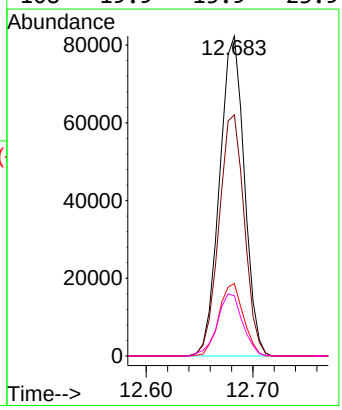
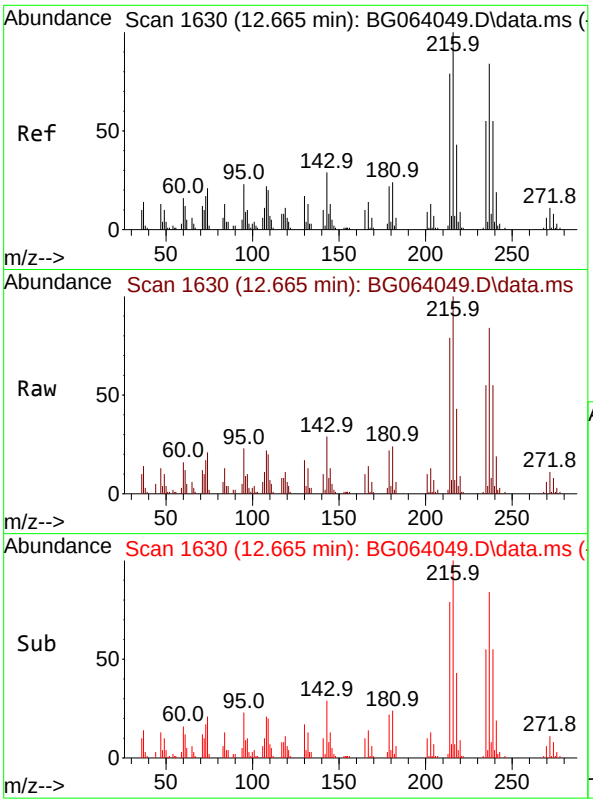


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.034 ng
RT: 12.683 min Scan# 1633
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:216 Resp: 132854

Ion	Ratio	Lower	Upper
216	100		
214	77.1	61.7	92.5
179	22.4	17.9	26.9
108	19.9	15.9	23.9

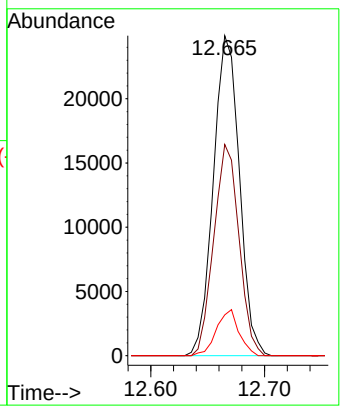




#41
Hexachlorocyclopentadiene
Concen: 43.464 ng
RT: 12.665 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:237 Resp: 3960

Ion	Ratio	Lower	Upper
237	100		
235	66.0	46.0	86.0
272	12.8	0.0	32.8



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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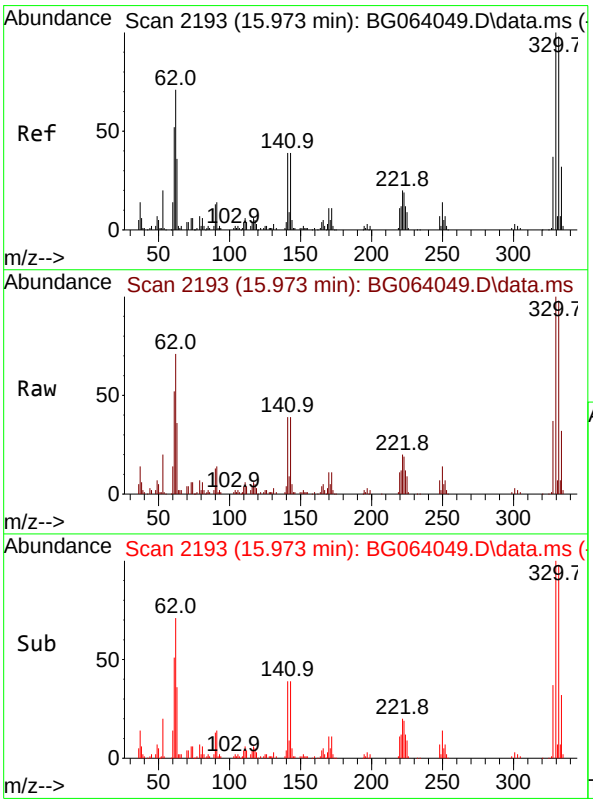
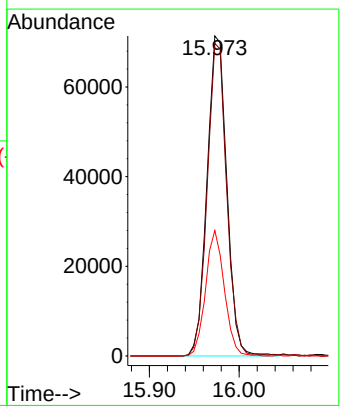
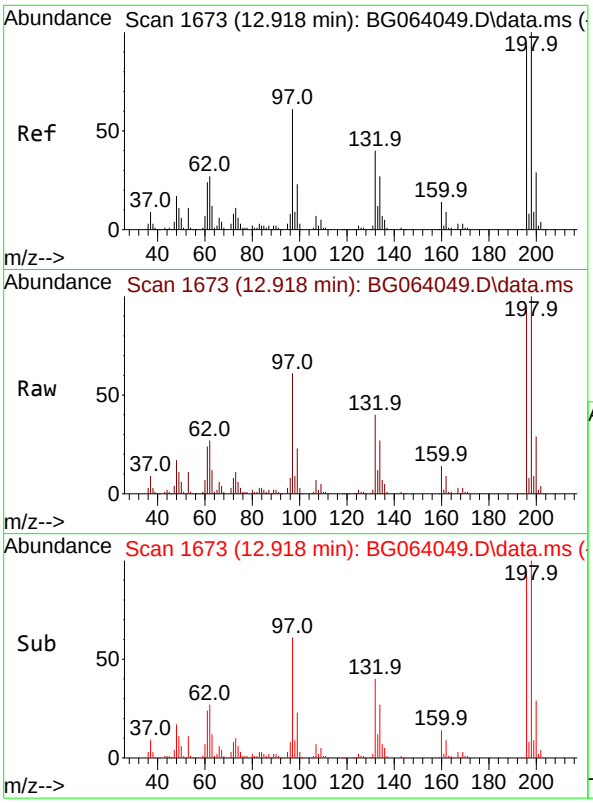


#42
2,4,6-Tribromophenol
Concen: 86.616 ng
RT: 15.973 min Scan# 2193
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:330 Resp: 109187

Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.7	115.1
141	37.1	29.7	44.5

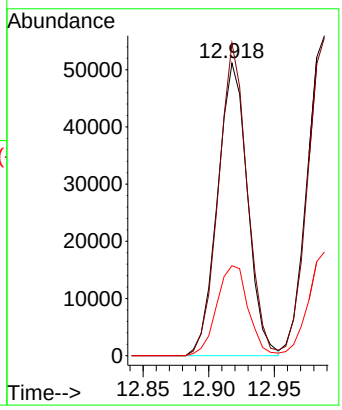




#43
2,4,6-Trichlorophenol
Concen: 42.524 ng
RT: 12.918 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:196 Resp: 8114

Ion	Ratio	Lower	Upper
196	100		
198	107.0	85.6	128.4
200	30.8	24.6	37.0



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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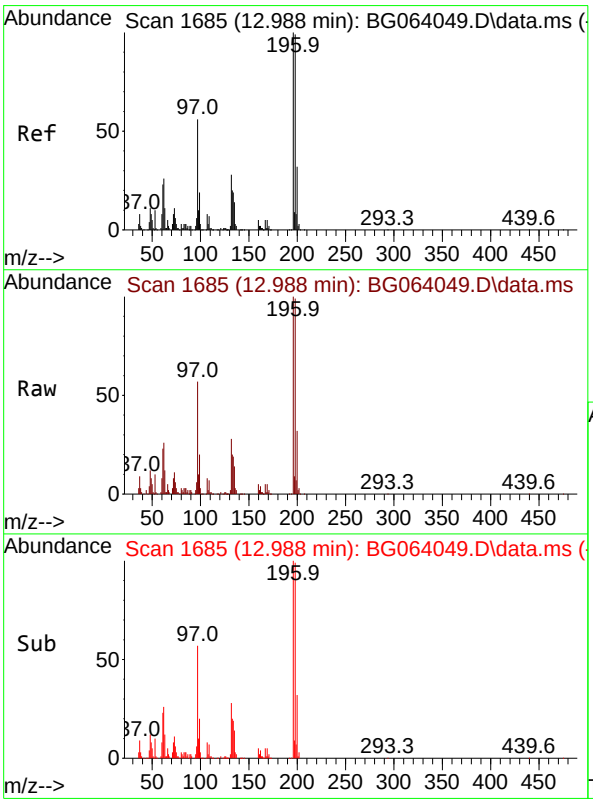
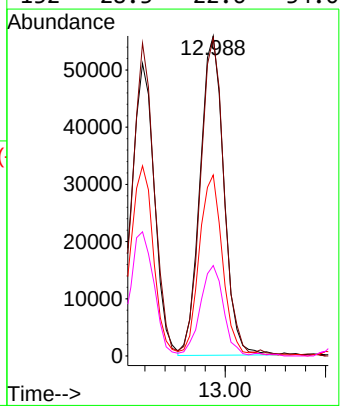
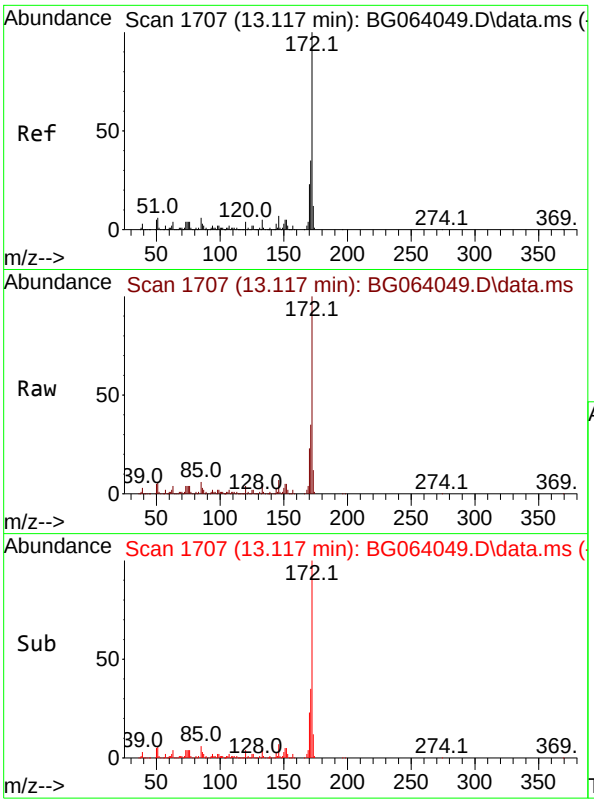


#44
2,4,5-Trichlorophenol
Concen: 43.449 ng
RT: 12.988 min Scan# 1685
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:196 Resp: 92122

Ion	Ratio	Lower	Upper
196	100		
198	99.4	79.5	119.3
97	56.5	45.2	67.8
132	28.3	22.6	34.0

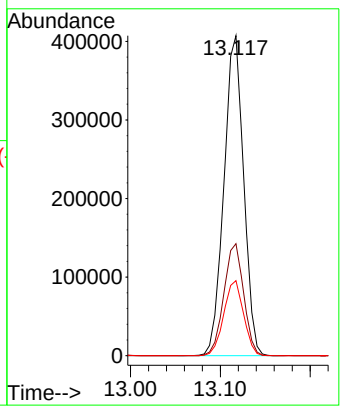




#45
2-Fluorobiphenyl
Concen: 83.029 ng
RT: 13.117 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:172 Resp: 62033

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.0	42.0
170	23.4	18.7	28.1



Instrument :
BNA_G
ClientSampleId :
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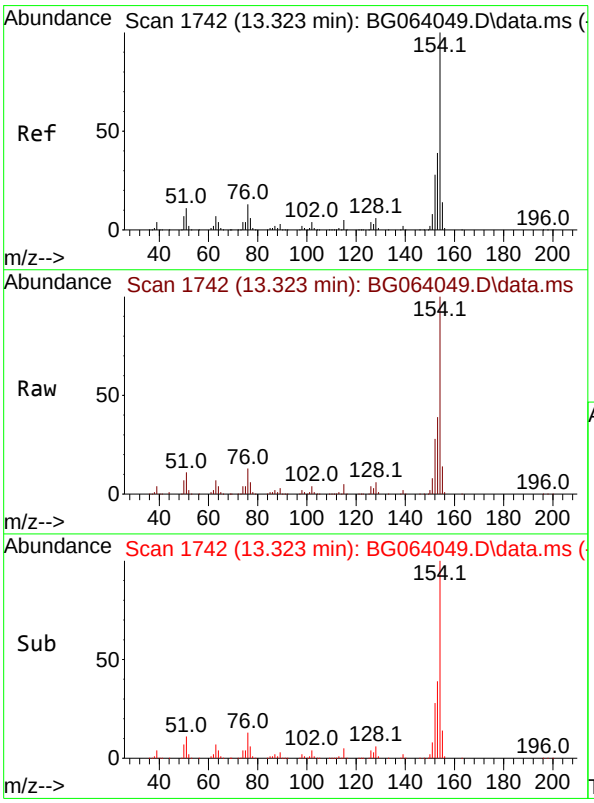
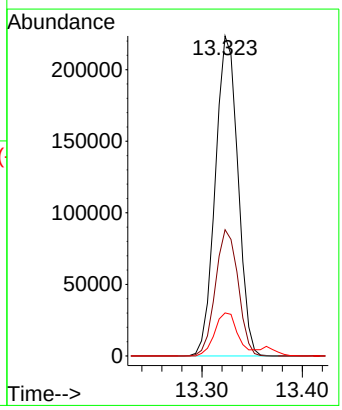
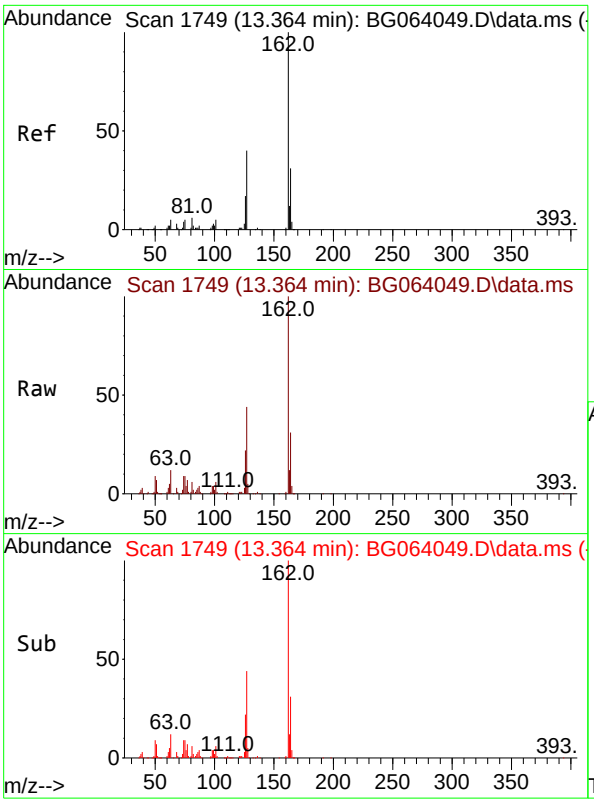


#46
1,1'-Biphenyl
Concen: 40.719 ng
RT: 13.323 min Scan# 1742
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:154 Resp: 348881

Ion	Ratio	Lower	Upper
154	100		
153	39.5	19.5	59.5
76	13.5	0.0	33.5

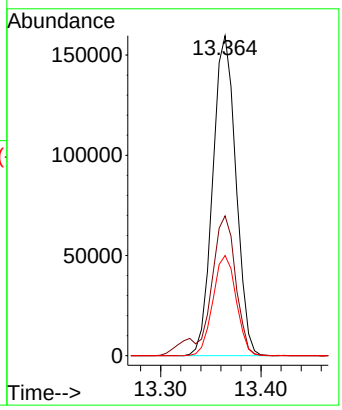




#47
2-Chloronaphthalene
Concen: 40.894 ng
RT: 13.364 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:162 Resp: 25554

Ion	Ratio	Lower	Upper
162	100		
127	43.7	35.0	52.4
164	31.3	25.0	37.6



Instrument :
BNA_G
ClientSampleId :
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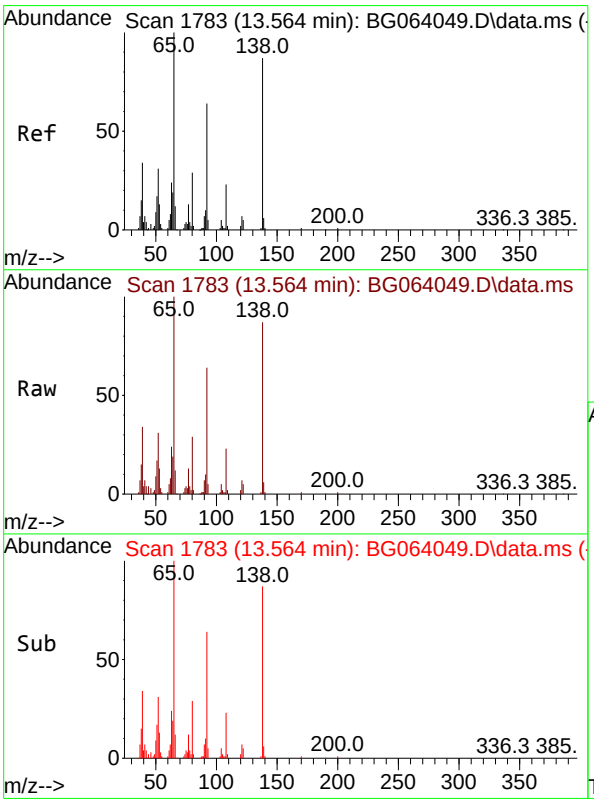
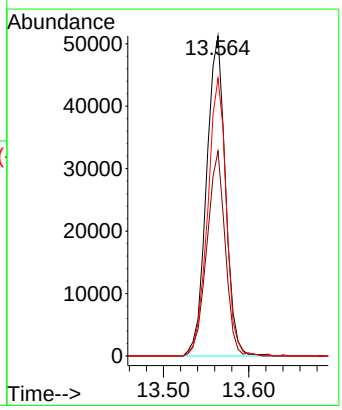
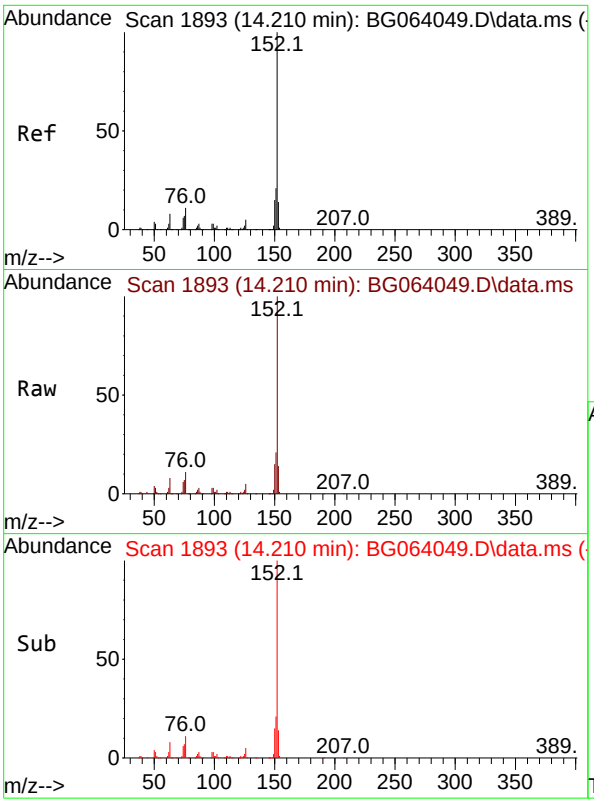


#48
2-Nitroaniline
Concen: 39.603 ng
RT: 13.564 min Scan# 1783
Delta R.T. -0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion: 65 Resp: 78919

Ion	Ratio	Lower	Upper
65	100		
92	64.0	51.2	76.8
138	86.8	69.4	104.2

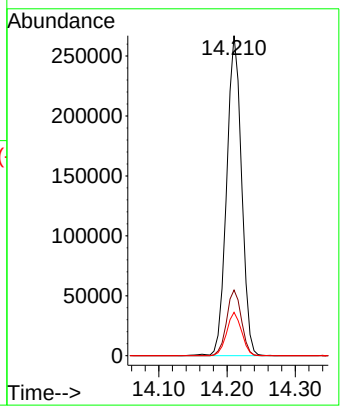




#49
Acenaphthylene
Concen: 41.052 ng
RT: 14.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:152 Resp: 40575

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.4	24.6
153	13.6	10.9	16.3



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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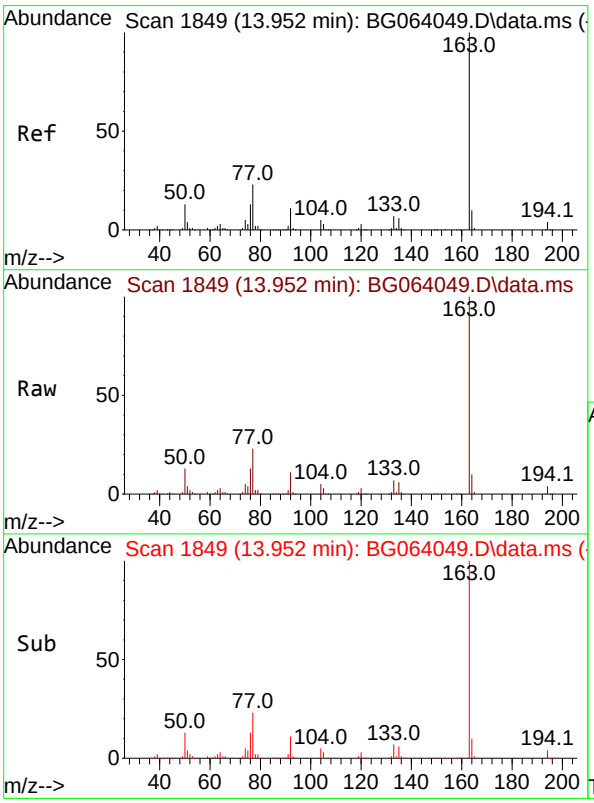
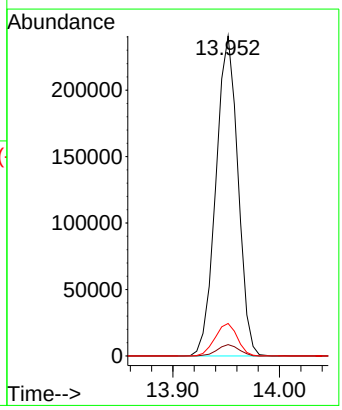
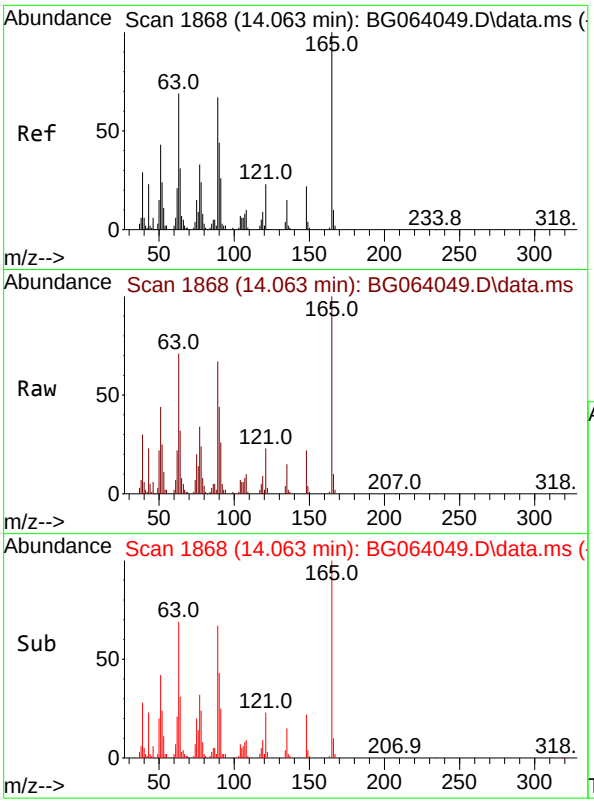


#50
Dimethylphthalate
Concen: 41.187 ng
RT: 13.952 min Scan# 1849
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:163 Resp: 344791

Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.8	4.2
164	10.2	8.2	12.2

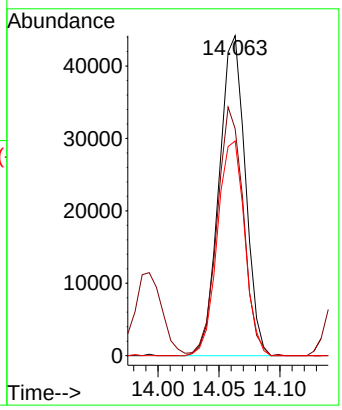




#51
2,6-Dinitrotoluene
Concen: 39.610 ng
RT: 14.063 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:165 Resp: 6620

Ion	Ratio	Lower	Upper
165	100		
63	70.9	56.7	85.1
89	67.1	53.7	80.5



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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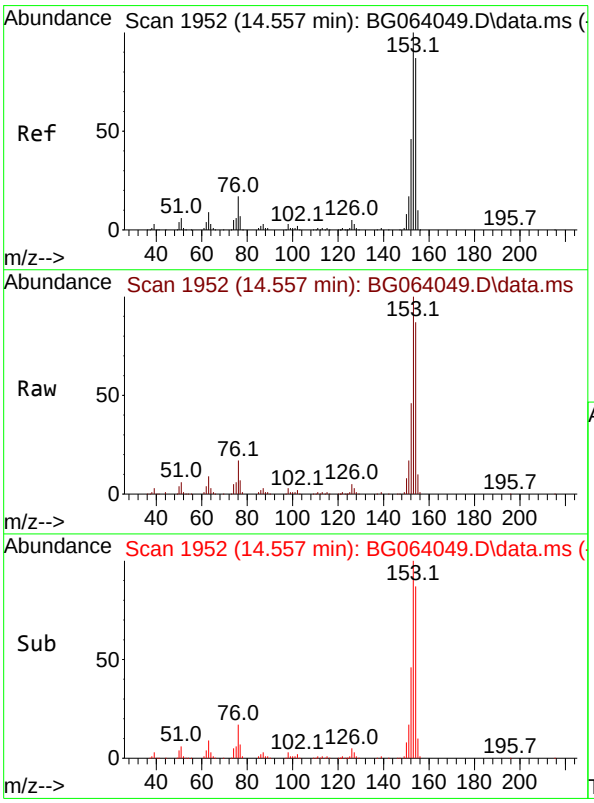
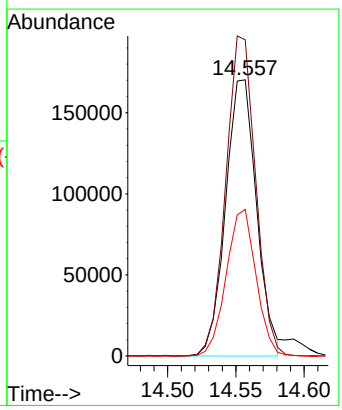
Supervised By :mohammad ahmed 03/07/2025

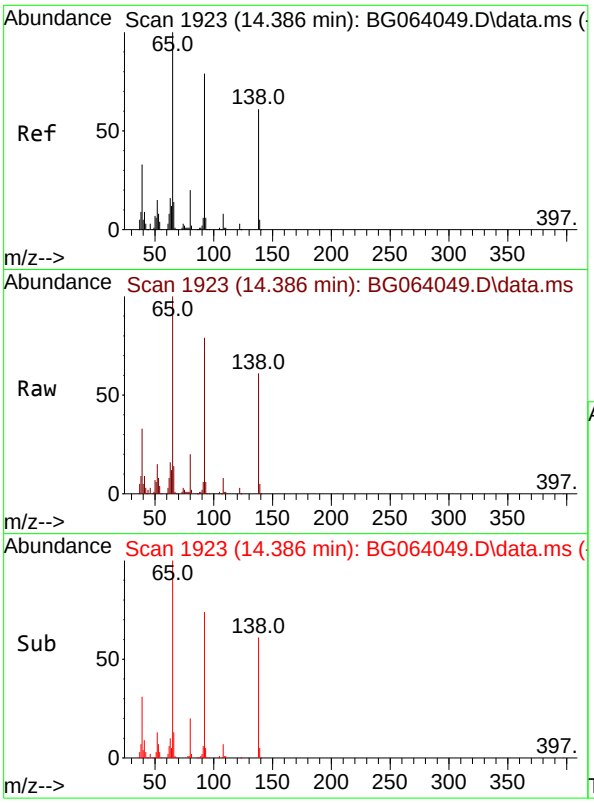


#52
Acenaphthene
Concen: 40.492 ng m
RT: 14.557 min Scan# 1952
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:154 Resp: 269147

Ion	Ratio	Lower	Upper
154	100		
153	114.5	91.6	137.4
152	53.1	42.5	63.7

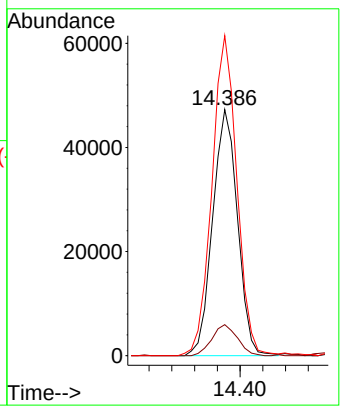




#53
3-Nitroaniline
Concen: 44.330 ng
RT: 14.386 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:138 Resp: 7172

Ion	Ratio	Lower	Upper
138	100		
108	12.6	10.1	15.1
92	130.1	104.1	156.1



Instrument :
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ClientSampleId :
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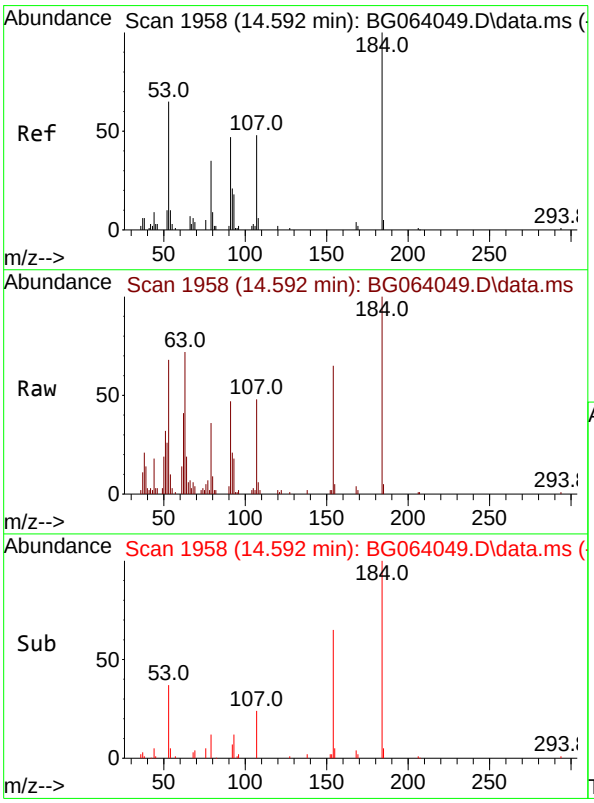
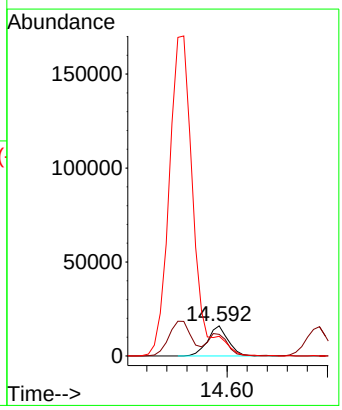
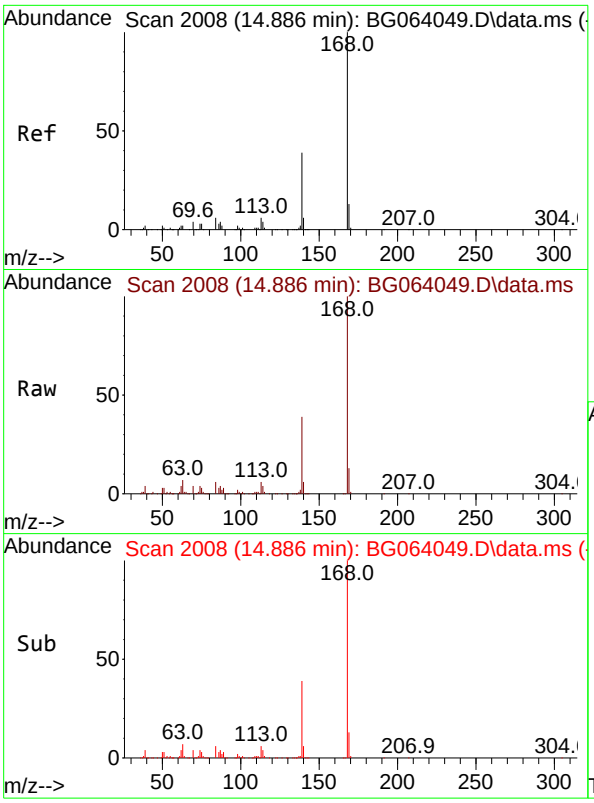


#54
2,4-Dinitrophenol
Concen: 36.881 ng
RT: 14.592 min Scan# 1958
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:184 Resp: 22778

Ion	Ratio	Lower	Upper
184	100		
63	71.9	57.5	86.3
154	65.4	52.3	78.5

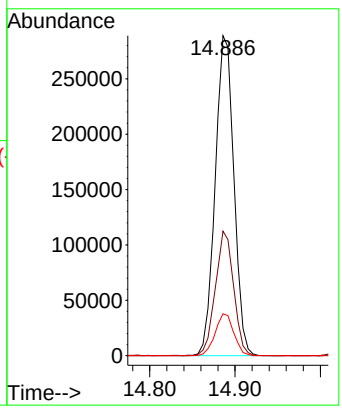




#55
Dibenzofuran
Concen: 40.970 ng
RT: 14.886 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:168 Resp: 44025

Ion	Ratio	Lower	Upper
168	100		
139	38.9	31.1	46.7
169	13.1	10.5	15.7



Instrument :
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ClientSampleId :
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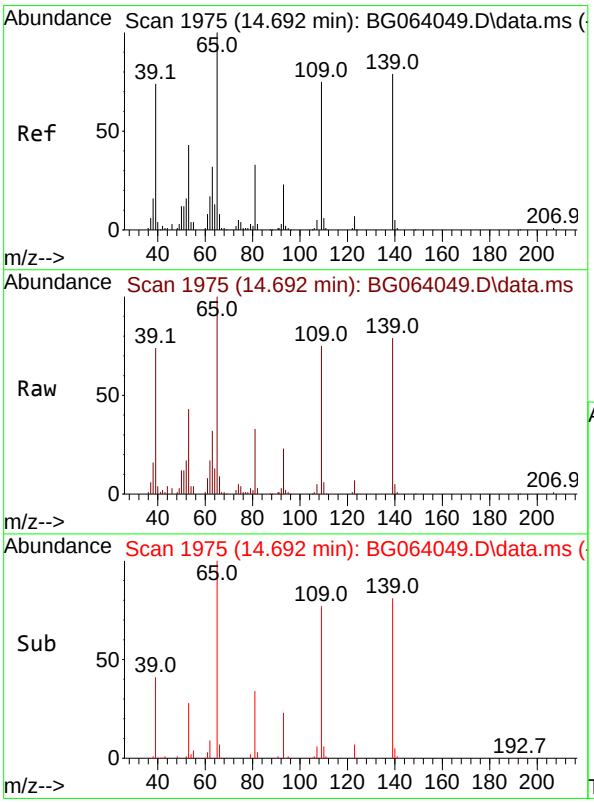
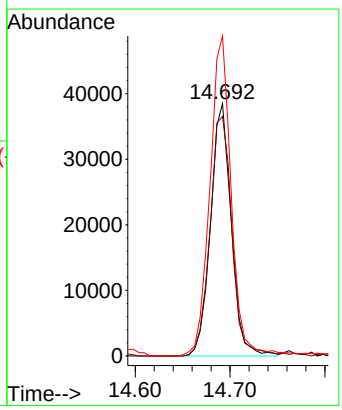
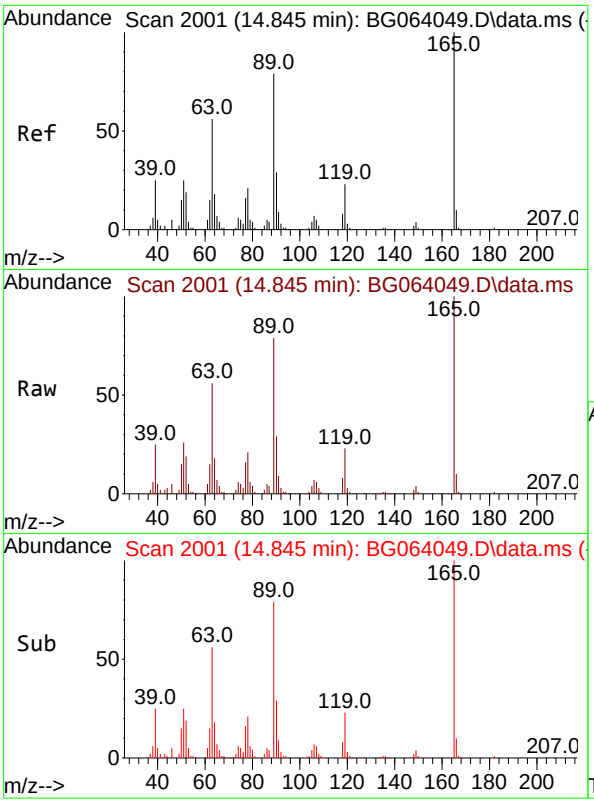


#56
4-Nitrophenol
Concen: 42.977 ng
RT: 14.692 min Scan# 1975
Delta R.T. -0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:139 Resp: 58316

Ion	Ratio	Lower	Upper
139	100		
109	94.9	74.9	114.9
65	126.8	106.8	146.8

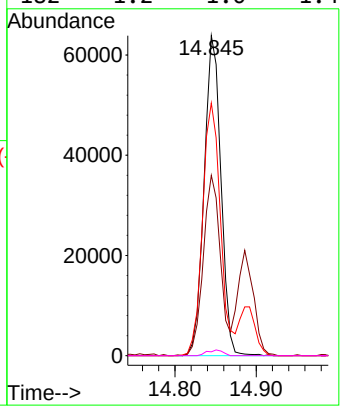




#57
2,4-Dinitrotoluene
Concen: 39.789 ng
RT: 14.845 min Scan# 2
Delta R.T. -0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:165 Resp: 9165

Ion	Ratio	Lower	Upper
165	100		
63	56.3	45.0	67.6
89	78.9	63.1	94.7
182	1.2	1.0	1.4



Instrument :
BNA_G
ClientSampleId :
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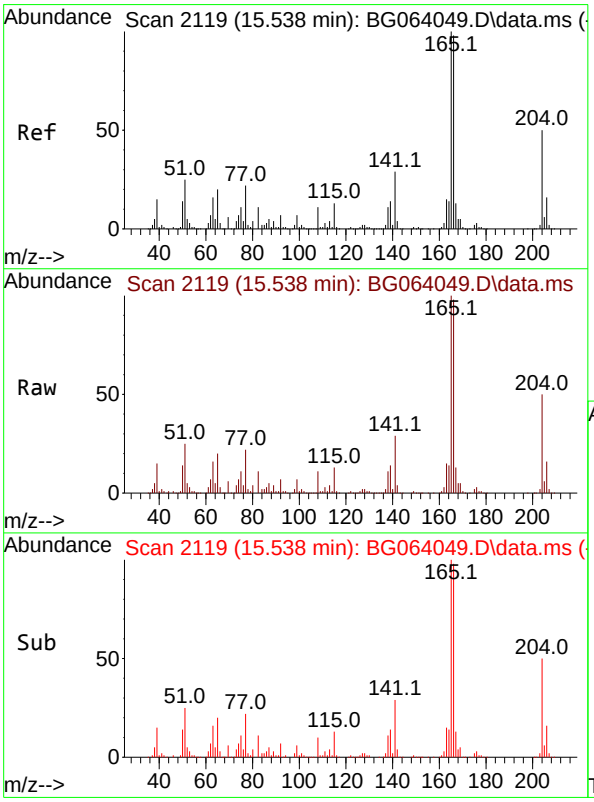
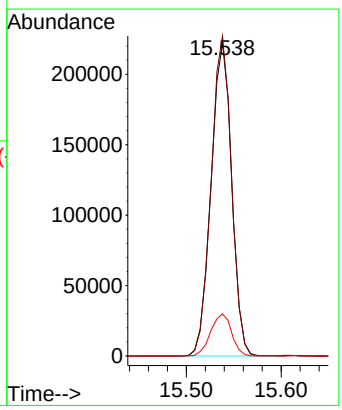
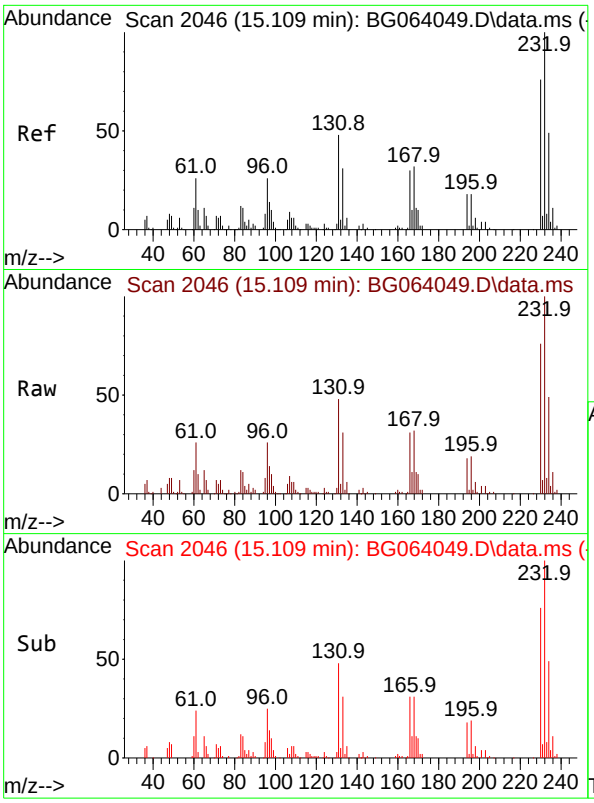


#58
Fluorene
Concen: 40.055 ng
RT: 15.538 min Scan# 2119
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:166 Resp: 335238

Ion	Ratio	Lower	Upper
166	100		
165	102.3	81.8	122.8
167	13.5	10.8	16.2

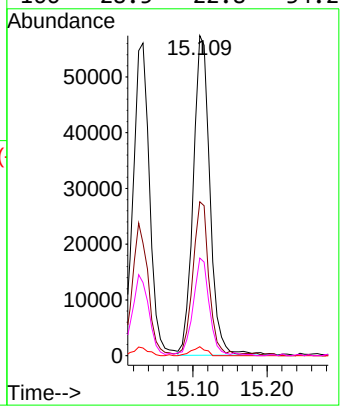




#59
2,3,4,6-Tetrachlorophenol
Concen: 43.345 ng
RT: 15.109 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:232 Resp: 8959

Ion	Ratio	Lower	Upper
232	100		
131	45.4	36.3	54.5
130	2.4	1.9	2.9
166	28.5	22.8	34.2



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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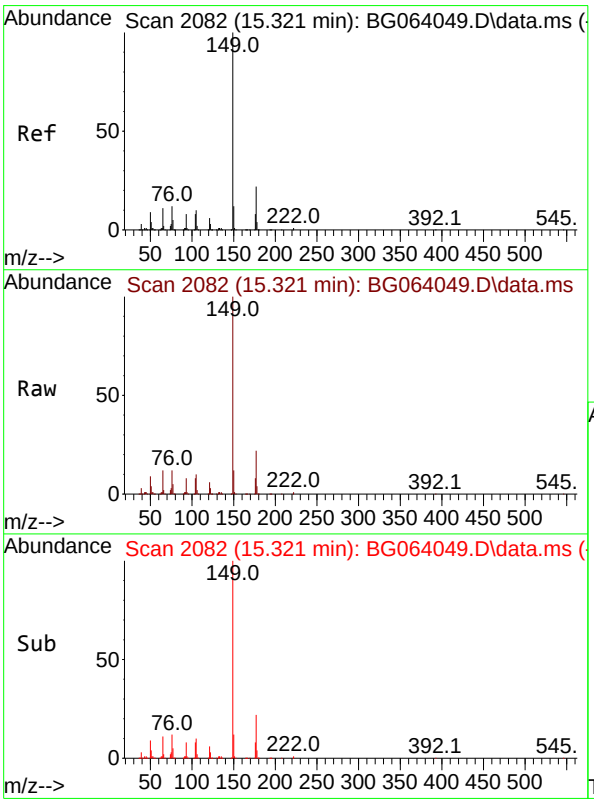
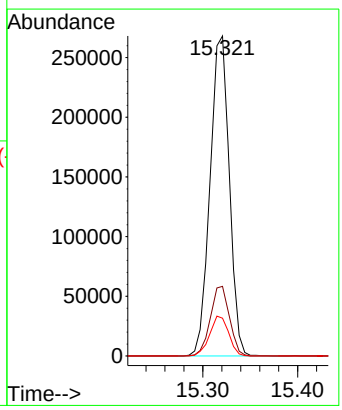
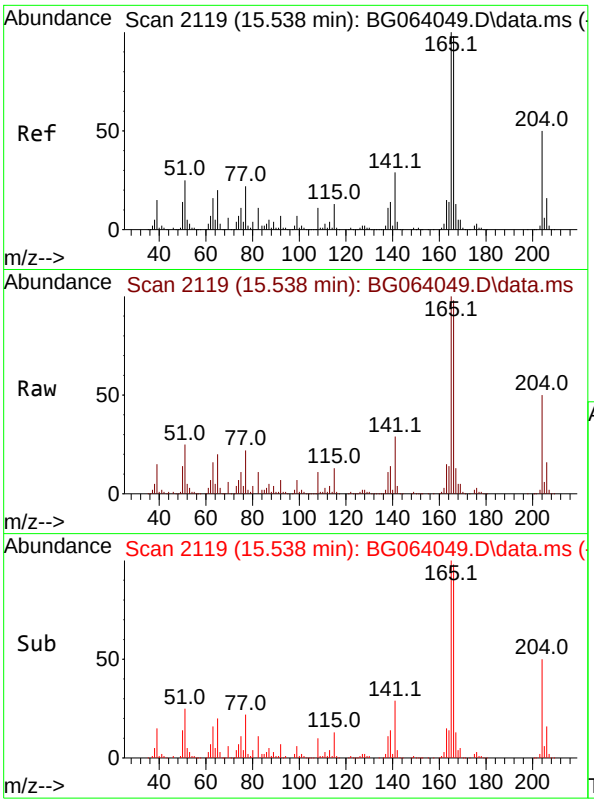


#60
Diethylphthalate
Concen: 41.645 ng
RT: 15.321 min Scan# 2082
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:149 Resp: 378464

Ion	Ratio	Lower	Upper
149	100		
177	21.8	17.4	26.2
150	11.8	9.4	14.2





#61
4-Chlorophenyl-phenylether
Concen: 40.061 ng
RT: 15.538 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:204 Resp: 16661

Ion	Ratio	Lower	Upper
204	100		
206	31.9	25.5	38.3
141	56.7	45.4	68.0

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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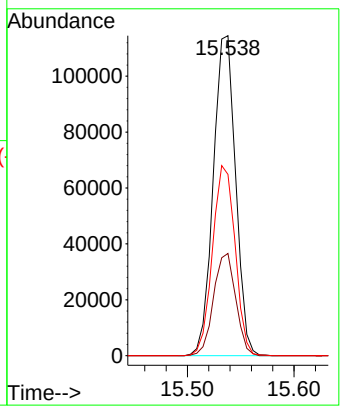
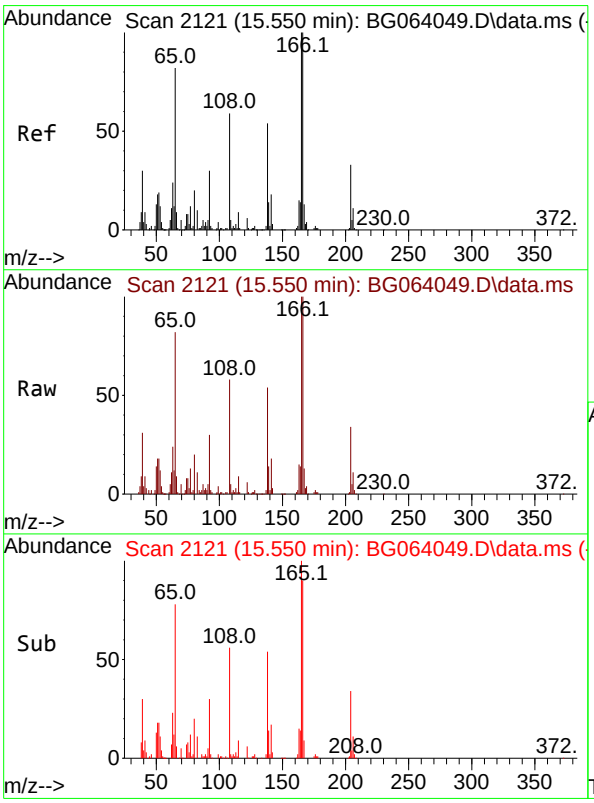
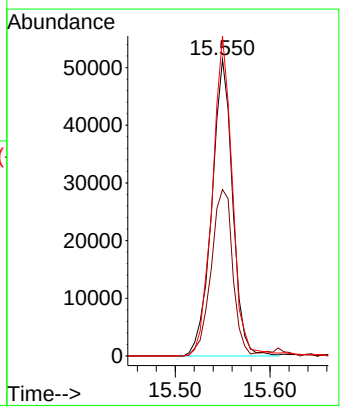


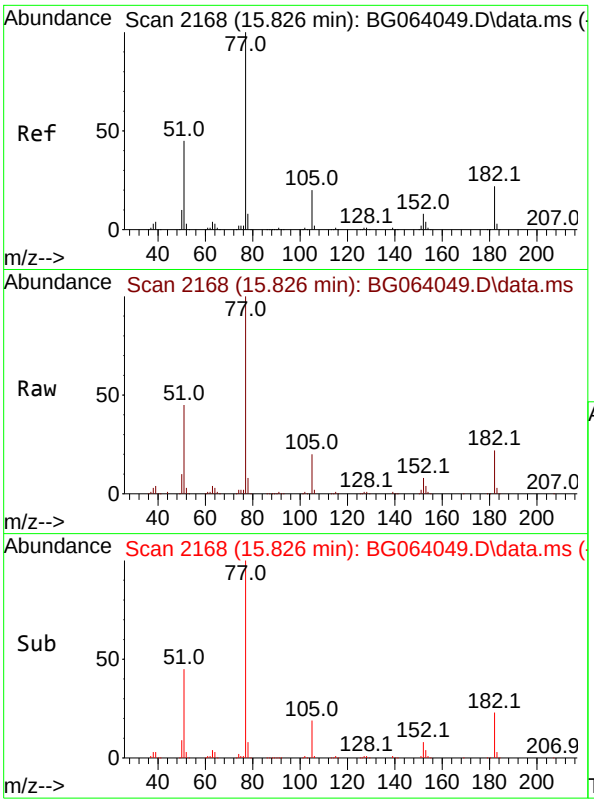


#62
4-Nitroaniline
Concen: 44.838 ng
RT: 15.550 min Scan# 2121
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:138 Resp: 78323

Ion	Ratio	Lower	Upper
138	100		
92	56.1	36.1	76.1
108	107.9	87.9	127.9

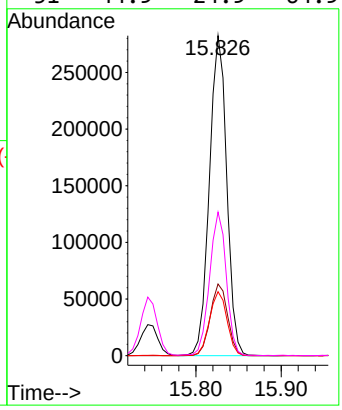




#63
Azobenzene
Concen: 41.125 ng
RT: 15.826 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion: 77 Resp: 39881

Ion	Ratio	Lower	Upper
77	100		
182	22.4	2.4	42.4
105	20.0	0.0	40.0
51	44.9	24.9	64.9



Instrument :
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ClientSampleId :
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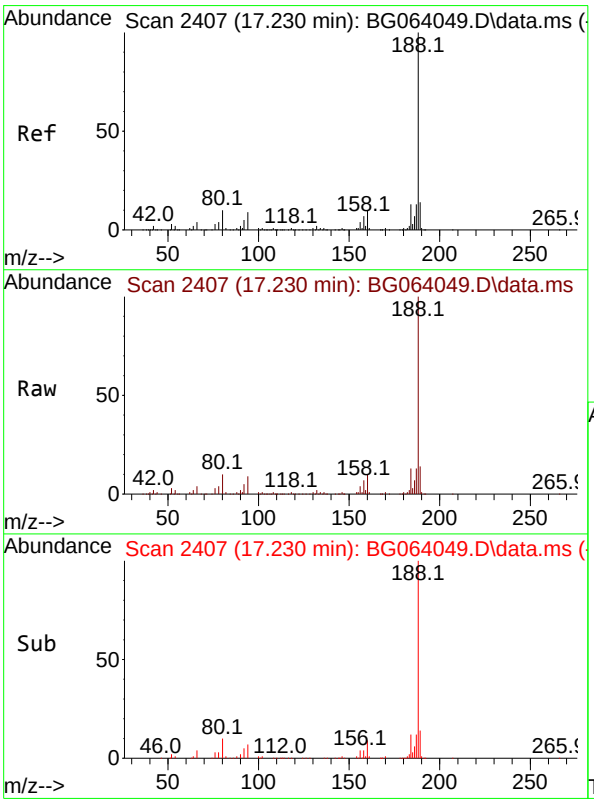
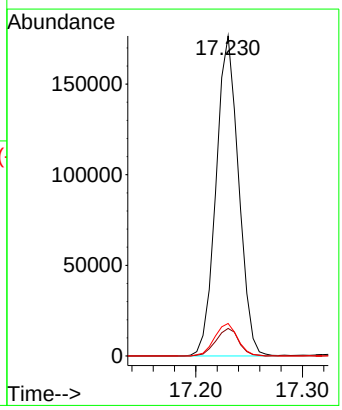
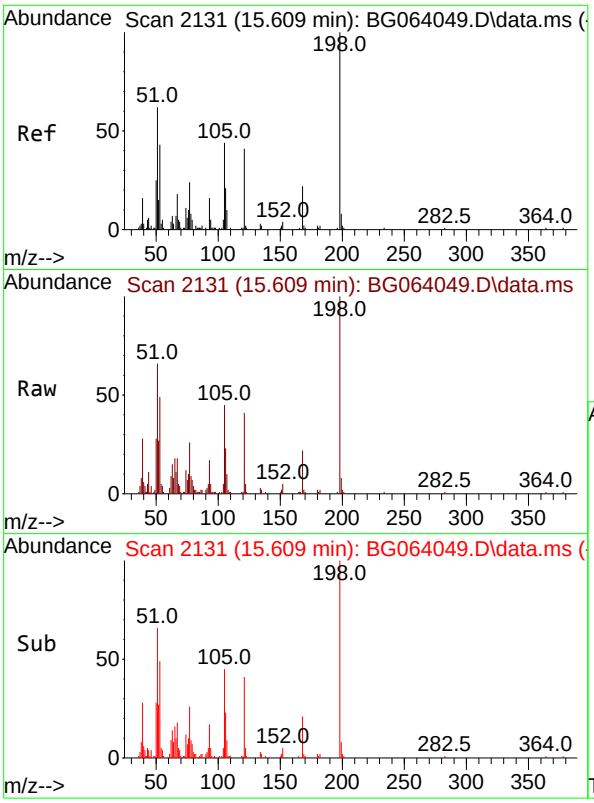


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.230 min Scan# 2407
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:188 Resp: 259291

Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.9	10.3
80	10.1	8.1	12.1





#65
4,6-Dinitro-2-methylphenol
Concen: 36.802 ng
RT: 15.609 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:198 Resp: 3864

Ion	Ratio	Lower	Upper
198	100		
51	65.6	45.6	85.6
105	45.3	25.3	65.3

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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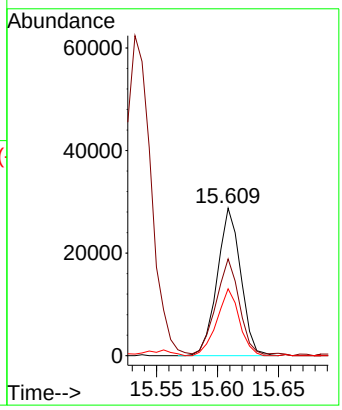
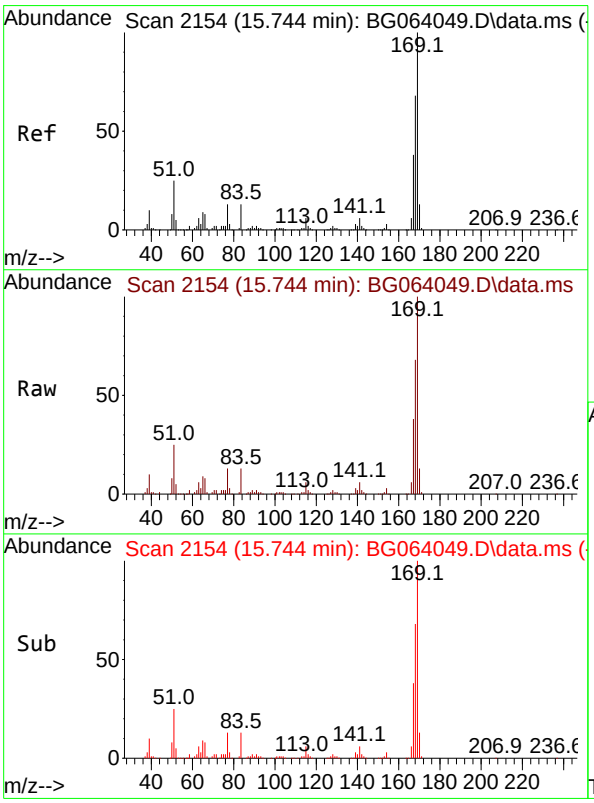
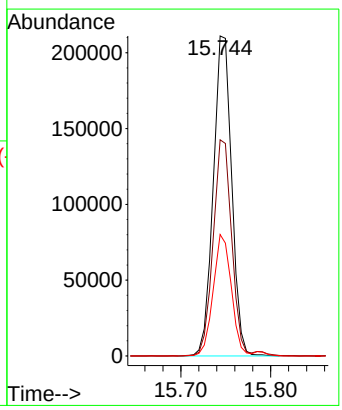


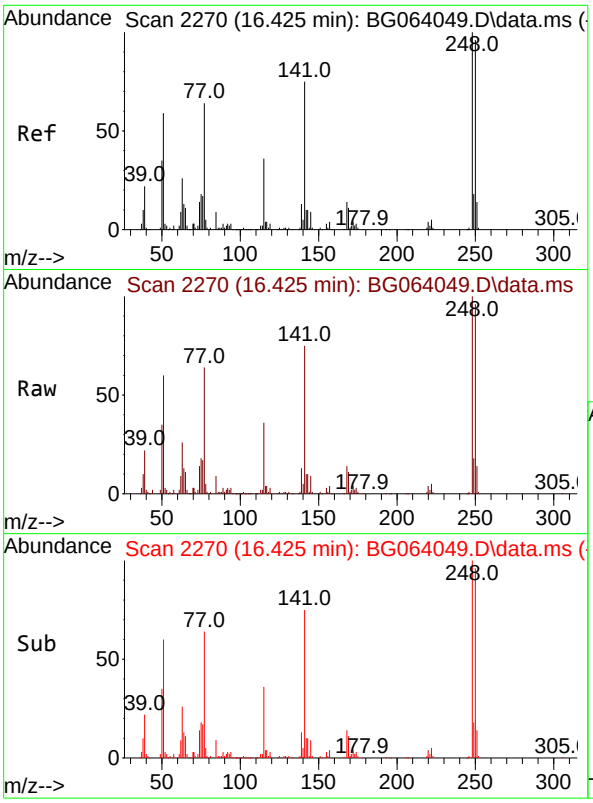


#66
n-Nitrosodiphenylamine
Concen: 40.872 ng
RT: 15.744 min Scan# 2154
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:169 Resp: 299980

Ion	Ratio	Lower	Upper
169	100		
168	67.6	54.1	81.1
167	37.9	30.3	45.5

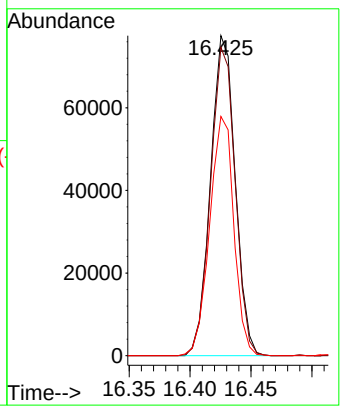




#67
4-Bromophenyl-phenylether
Concen: 41.081 ng
RT: 16.425 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:248 Resp: 10909

Ion	Ratio	Lower	Upper
248	100		
250	96.4	77.1	115.7
141	74.8	59.8	89.8



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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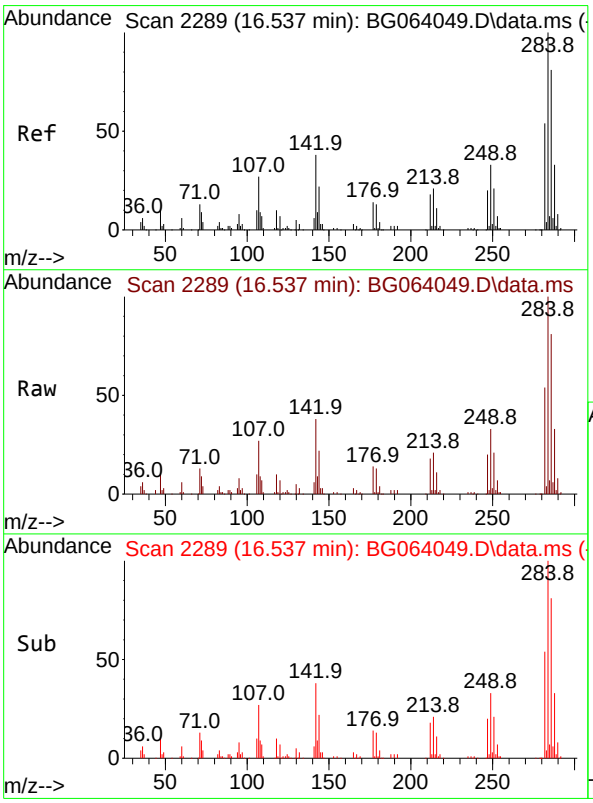
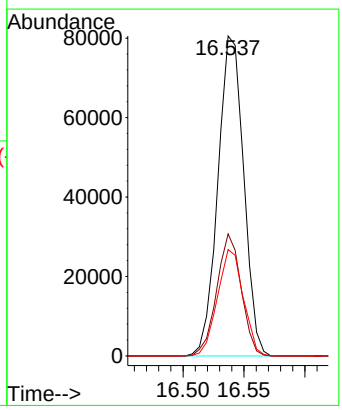
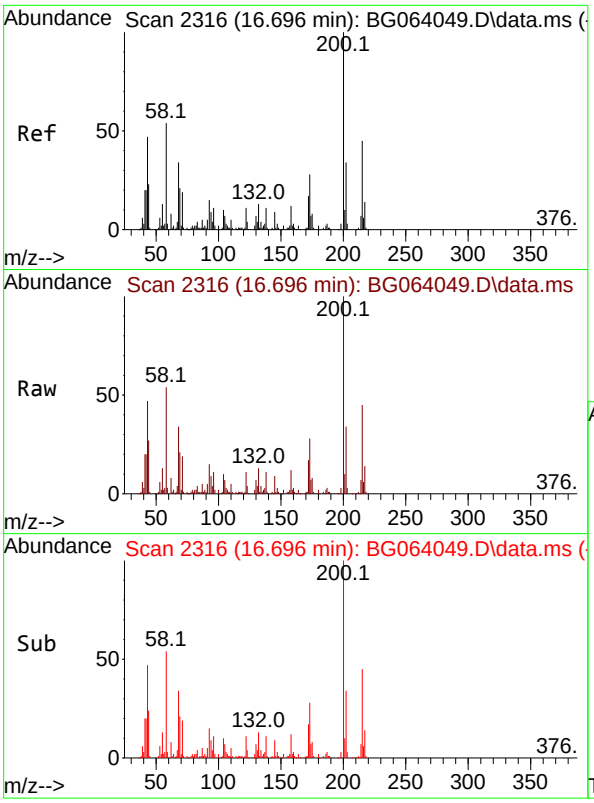


#68
Hexachlorobenzene
Concen: 39.954 ng
RT: 16.537 min Scan# 2289
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:284 Resp: 118787

Ion	Ratio	Lower	Upper
284	100		
142	38.2	30.6	45.8
249	33.2	26.6	39.8

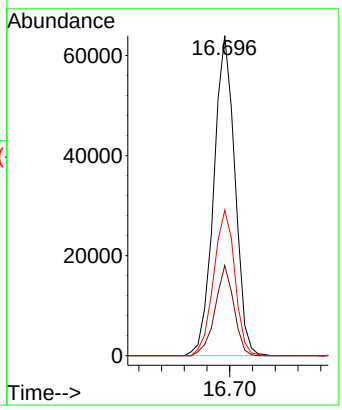




#69
Atrazine
Concen: 38.309 ng
RT: 16.696 min Scan# 2
Delta R.T. -0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:200 Resp: 8272

Ion	Ratio	Lower	Upper
200	100		
173	28.2	8.2	48.2
215	45.5	25.5	65.5



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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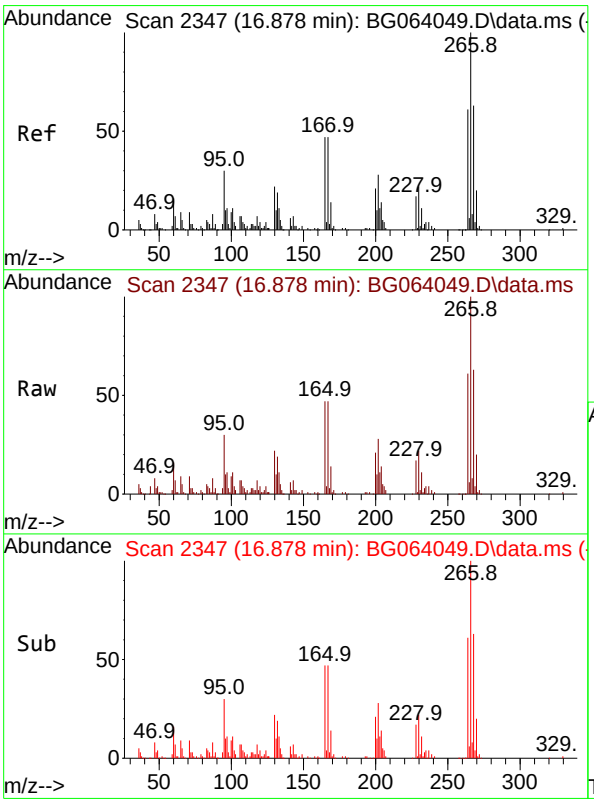
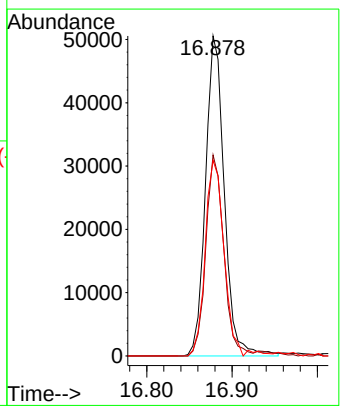
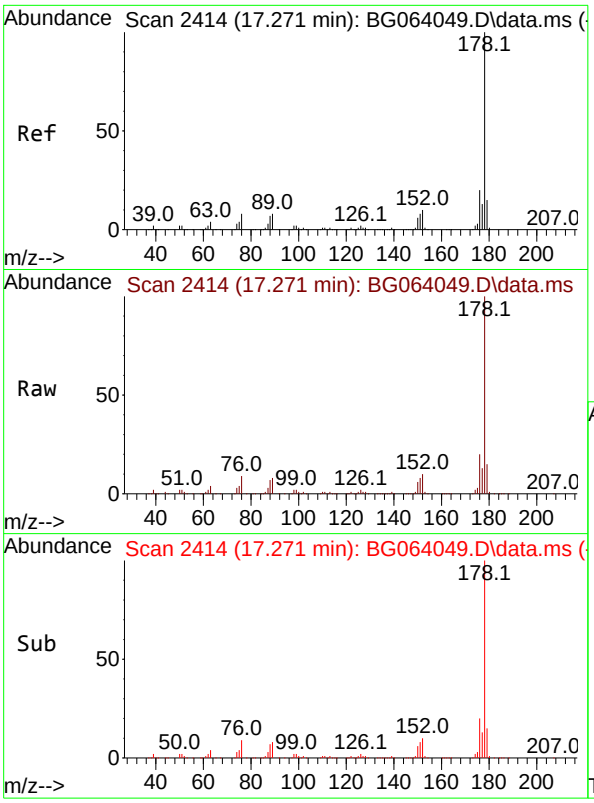


#70
Pentachlorophenol
Concen: 41.856 ng
RT: 16.878 min Scan# 2347
Delta R.T. -0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:266 Resp: 77264

Ion	Ratio	Lower	Upper
266	100		
268	62.8	50.2	75.4
264	61.1	48.9	73.3

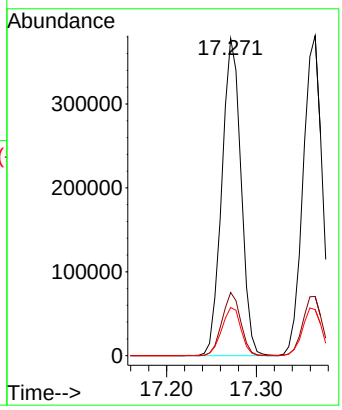




#71
Phenanthrene
Concen: 40.505 ng
RT: 17.271 min Scan# 24
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:178 Resp: 56018

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.9	23.9
179	15.2	12.2	18.2



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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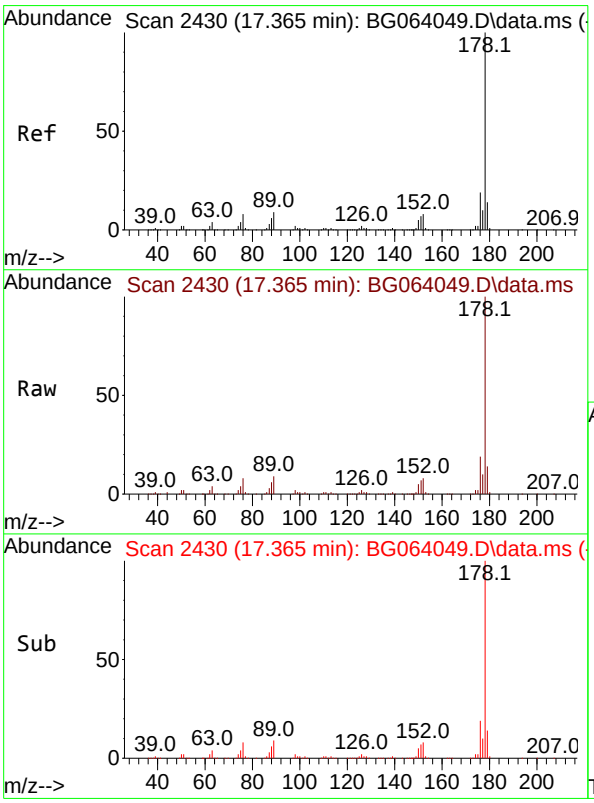
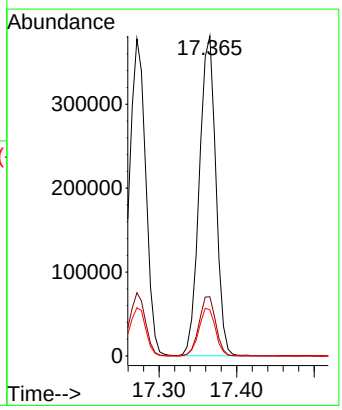
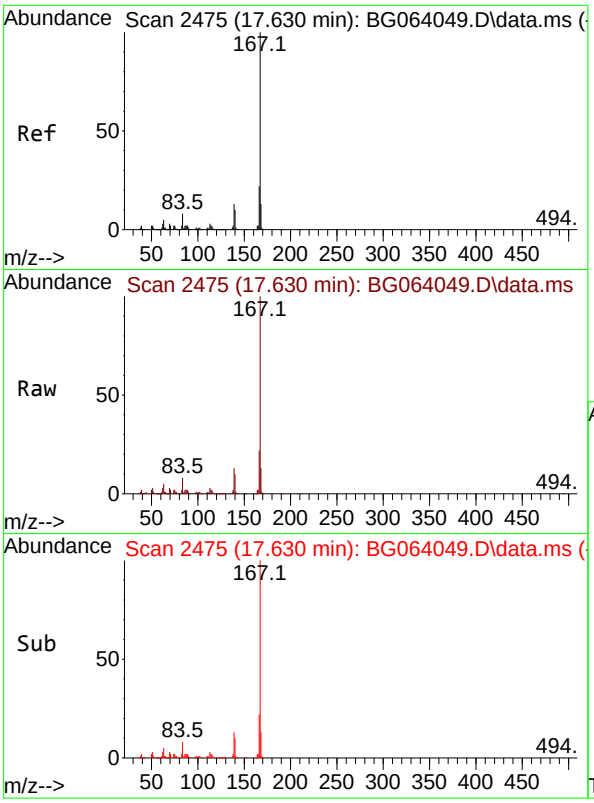


#72
Anthracene
Concen: 40.932 ng
RT: 17.365 min Scan# 2430
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:178 Resp: 562891

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	14.4	11.5	17.3

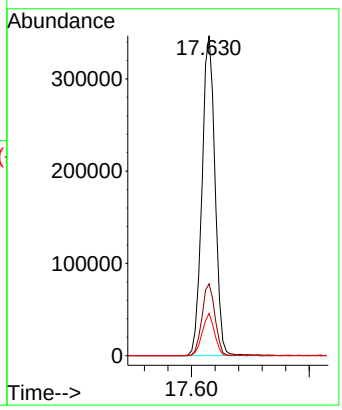




#73
Carbazole
Concen: 41.470 ng
RT: 17.630 min Scan# 24
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:167 Resp: 53246

Ion	Ratio	Lower	Upper
167	100		
166	22.5	18.0	27.0
139	13.2	10.6	15.8



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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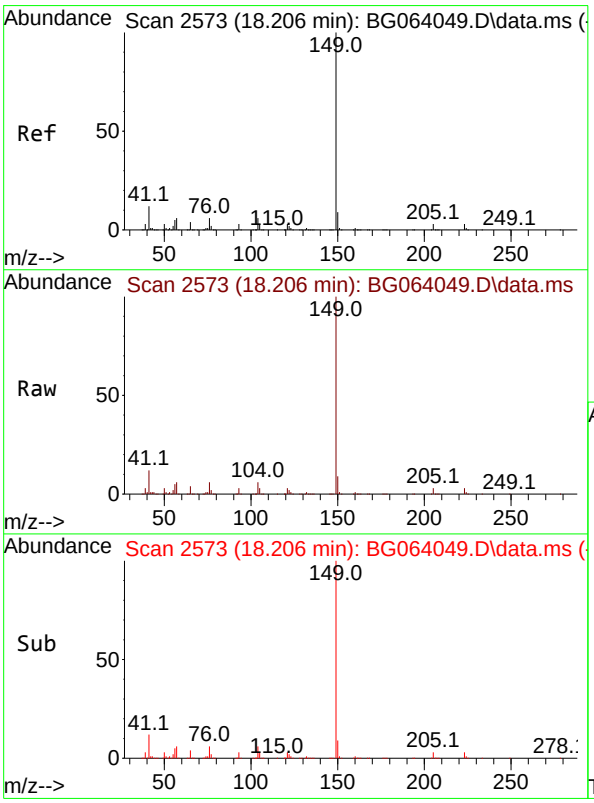
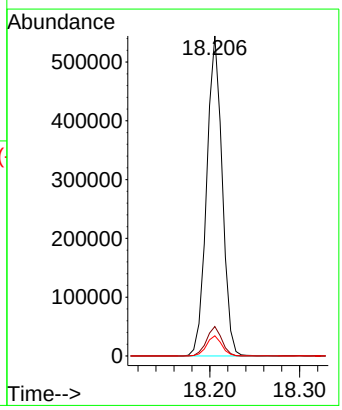
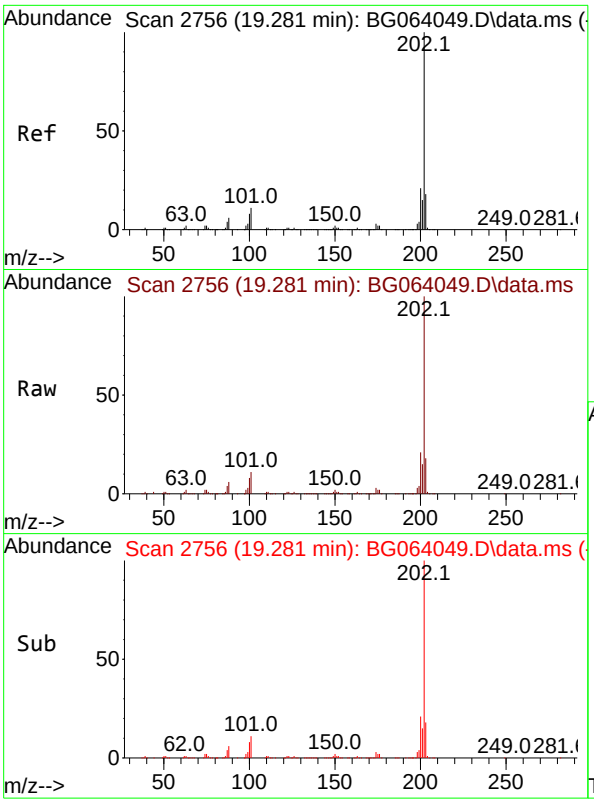


#74
Di-n-butylphthalate
Concen: 43.141 ng
RT: 18.206 min Scan# 2573
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:149 Resp: 652013

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	6.3	5.0	7.6

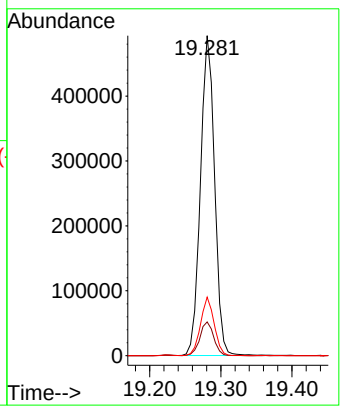




#75
Fluoranthene
Concen: 41.004 ng
RT: 19.281 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:202 Resp: 68366

Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	30.5
203	18.3	0.0	38.3



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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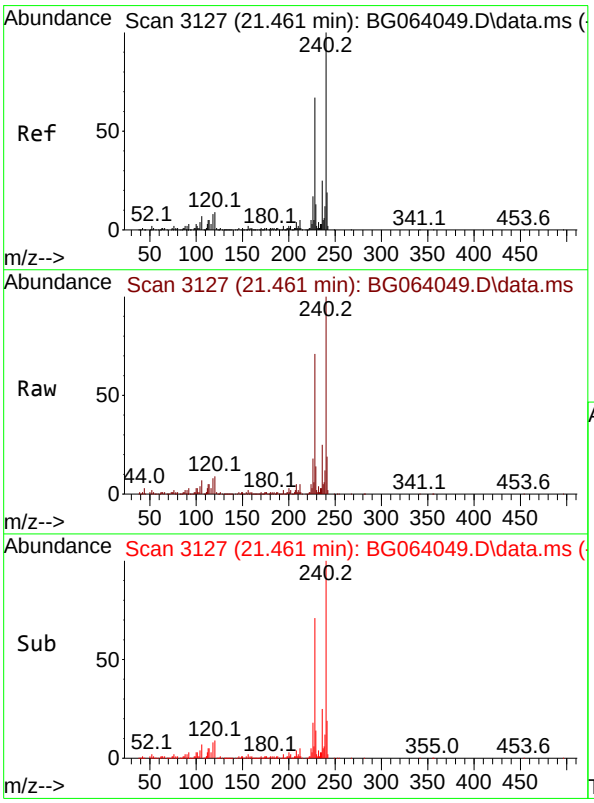
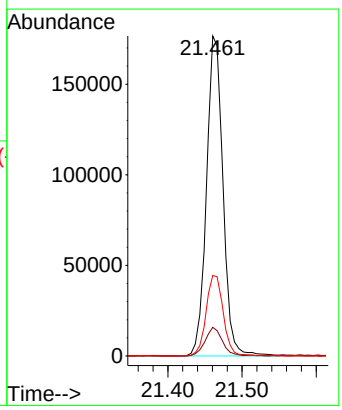
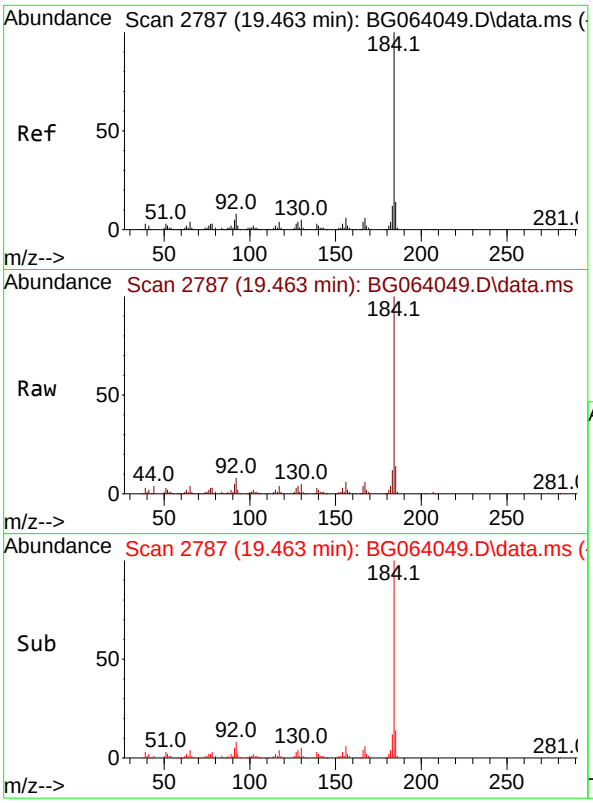


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.461 min Scan# 3127
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:240 Resp: 272676

Ion	Ratio	Lower	Upper
240	100		
120	9.0	7.2	10.8
236	25.2	20.2	30.2

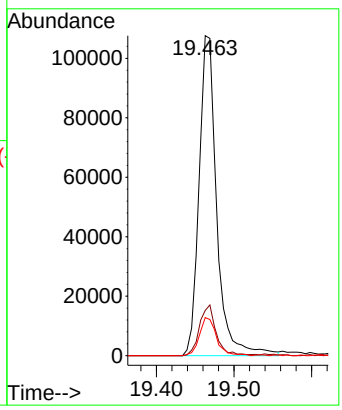




#77
Benzidine
Concen: 44.641 ng
RT: 19.463 min Scan# 2
Delta R.T. -0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:184 Resp: 17088

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.3	16.9
183	11.9	9.5	14.3



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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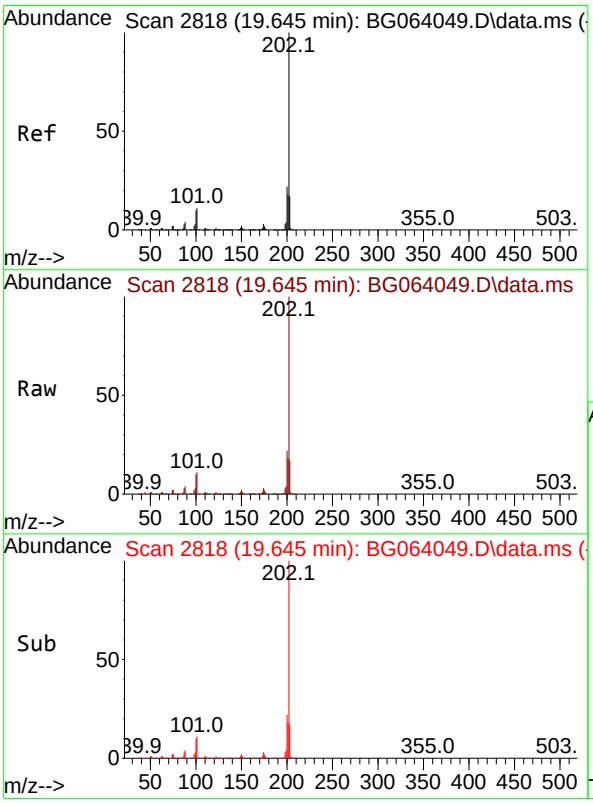
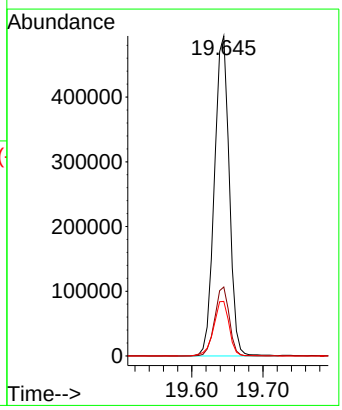
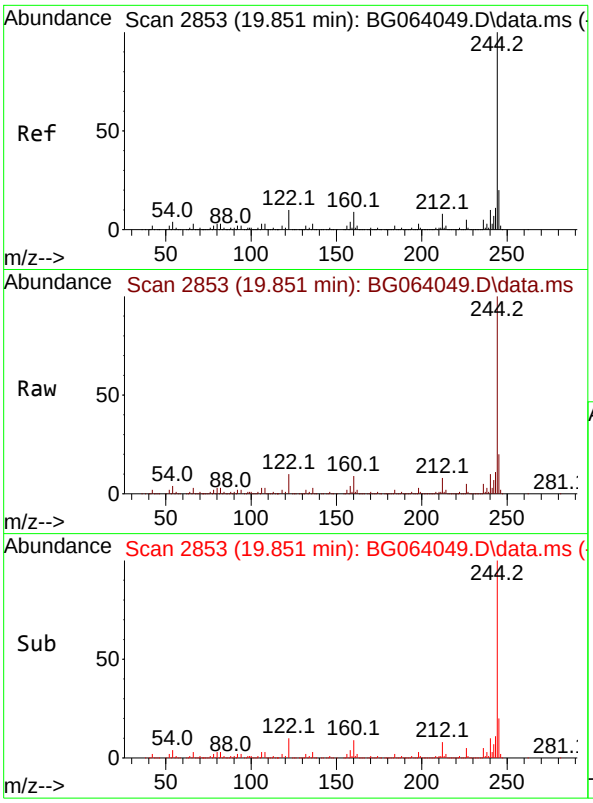


#78
Pyrene
Concen: 40.653 ng
RT: 19.645 min Scan# 2818
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:202 Resp: 714571

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.3	25.9
203	17.0	13.6	20.4





#79
Terphenyl-d14
Concen: 80.801 ng
RT: 19.851 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:244 Resp: 108964

Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.2	9.4
122	10.0	8.0	12.0

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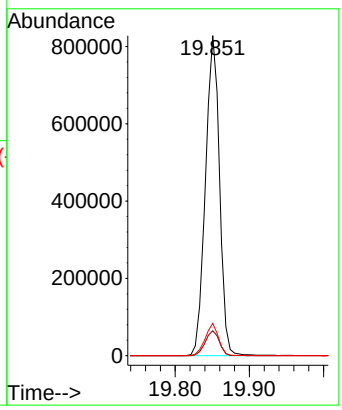
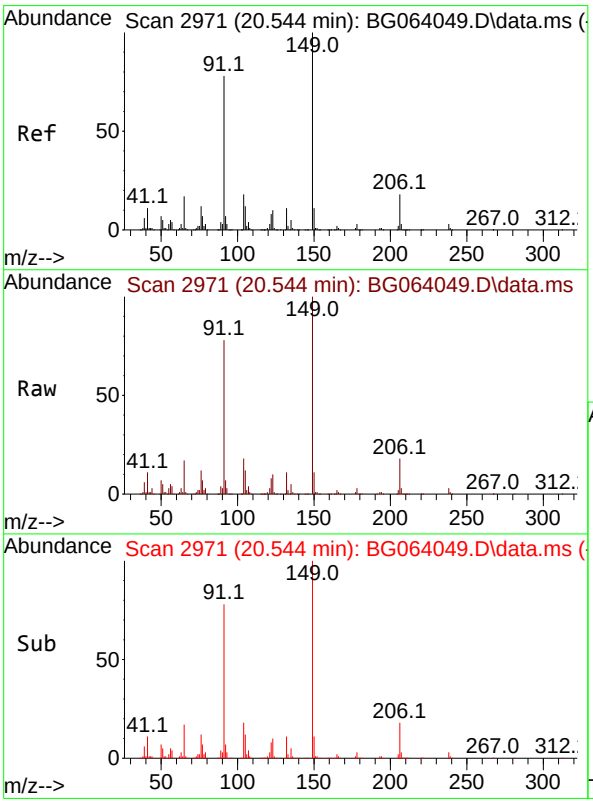
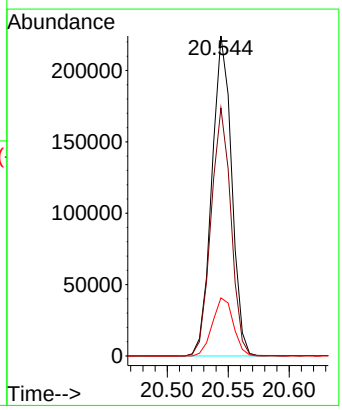


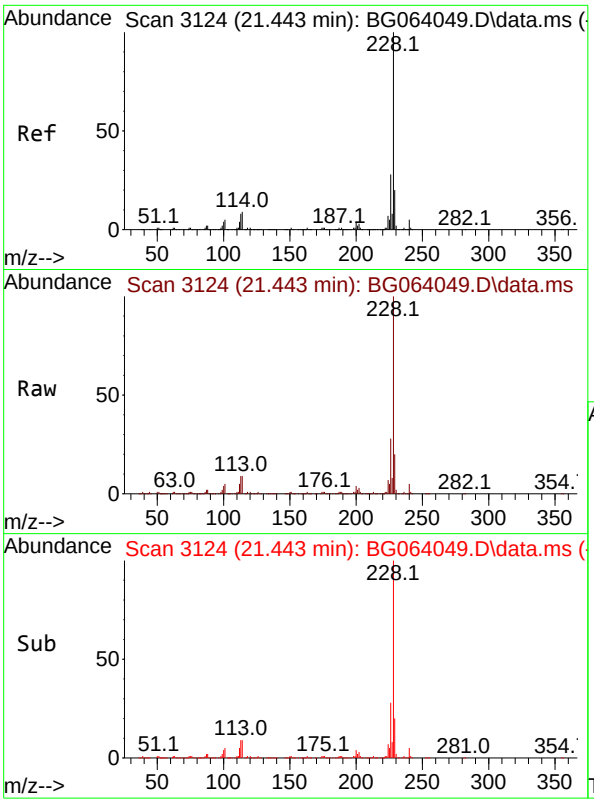


#80
Butylbenzylphthalate
Concen: 39.178 ng
RT: 20.544 min Scan# 2971
Delta R.T. -0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:149 Resp: 253637

Ion	Ratio	Lower	Upper
149	100		
91	77.5	62.0	93.0
206	18.2	14.6	21.8





#81
Benzo(a)anthracene
Concen: 40.681 ng
RT: 21.443 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:228 Resp: 71057

Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.2	33.2
229	20.5	16.4	24.6

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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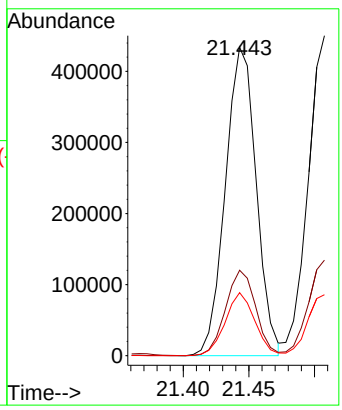
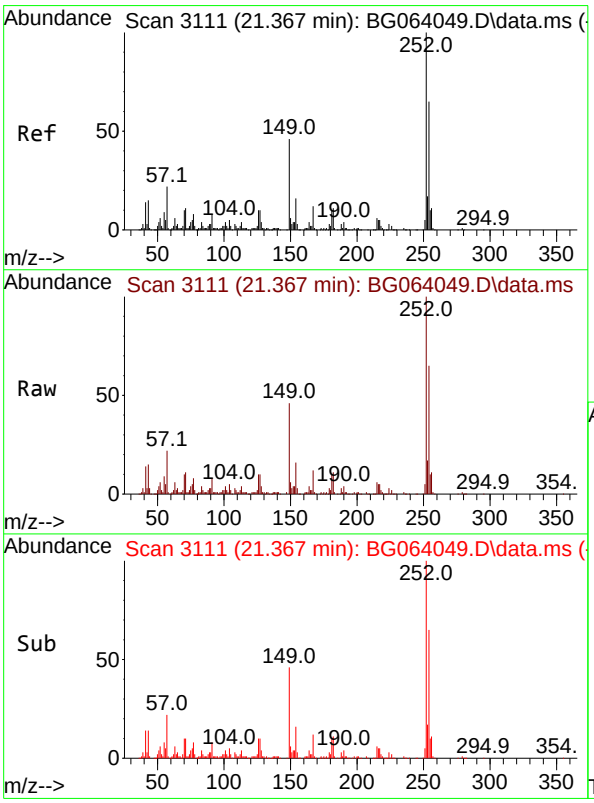
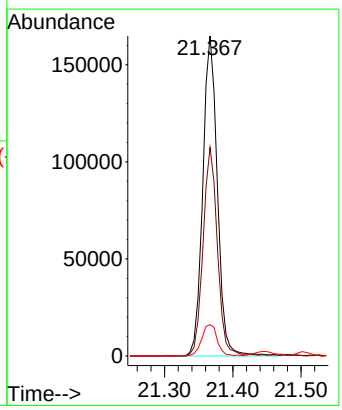


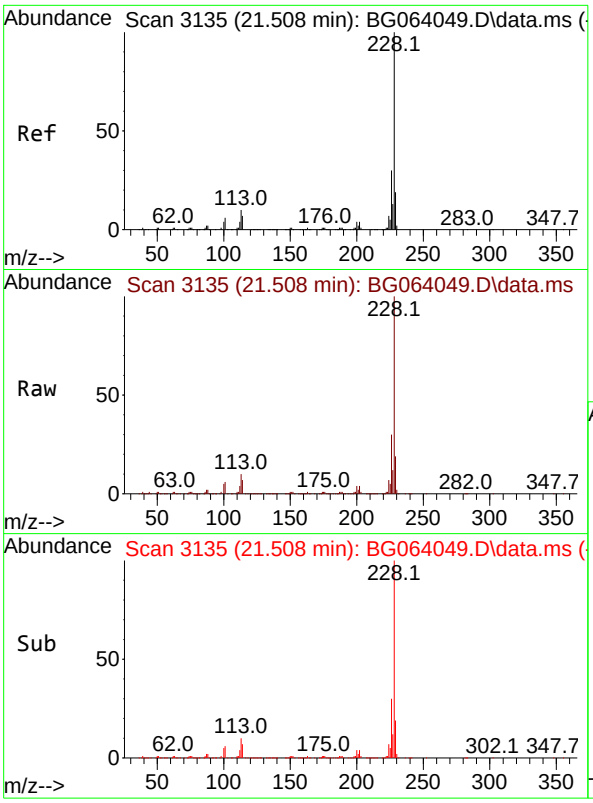


#82
3,3'-Dichlorobenzidine
Concen: 43.385 ng
RT: 21.367 min Scan# 3111
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:252 Resp: 245252

Ion	Ratio	Lower	Upper
252	100		
254	65.1	52.1	78.1
126	9.8	7.8	11.8

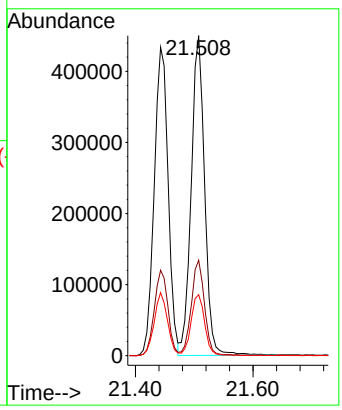




#83
Chrysene
Concen: 40.888 ng
RT: 21.508 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:228 Resp: 71231

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.9	35.9
229	19.1	15.3	22.9



Instrument :
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ClientSampleId :
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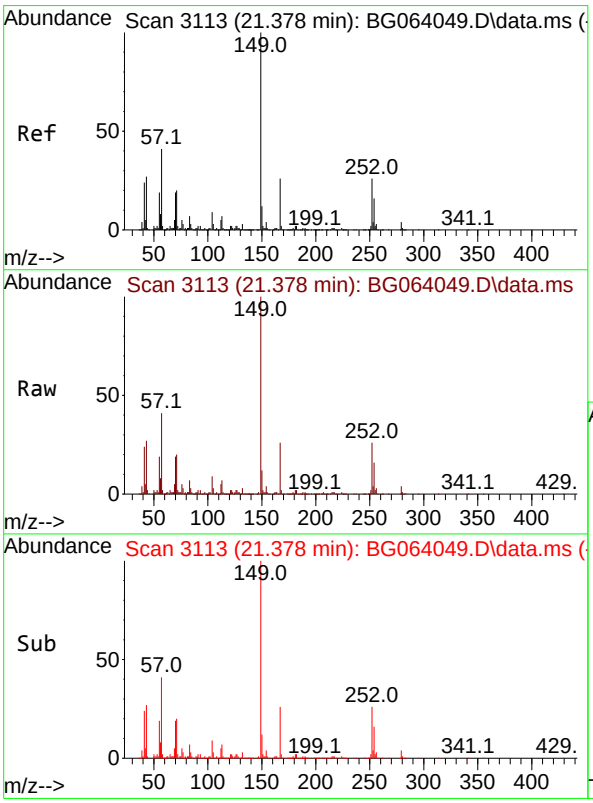
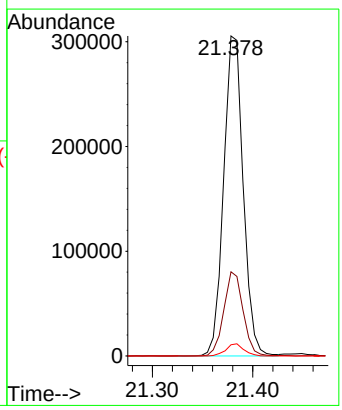
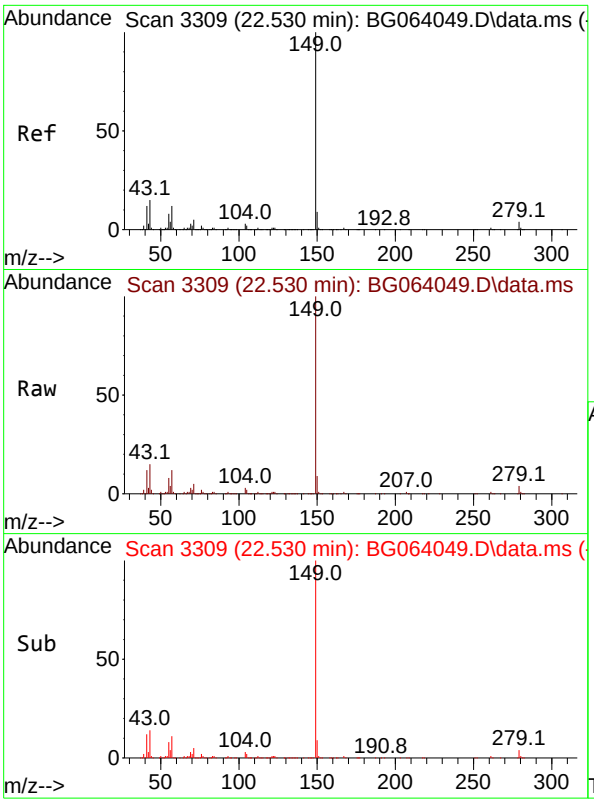


#84
Bis(2-ethylhexyl)phthalate
Concen: 43.709 ng
RT: 21.378 min Scan# 3113
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:149 Resp: 412893

Ion	Ratio	Lower	Upper
149	100		
167	26.3	21.0	31.6
279	3.5	2.8	4.2

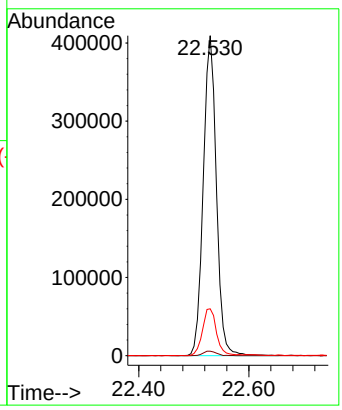




#85
Di-n-octyl phthalate
Concen: 41.459 ng
RT: 22.530 min Scan# 3
Delta R.T. -0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:149 Resp: 67551

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	15.8	12.6	19.0



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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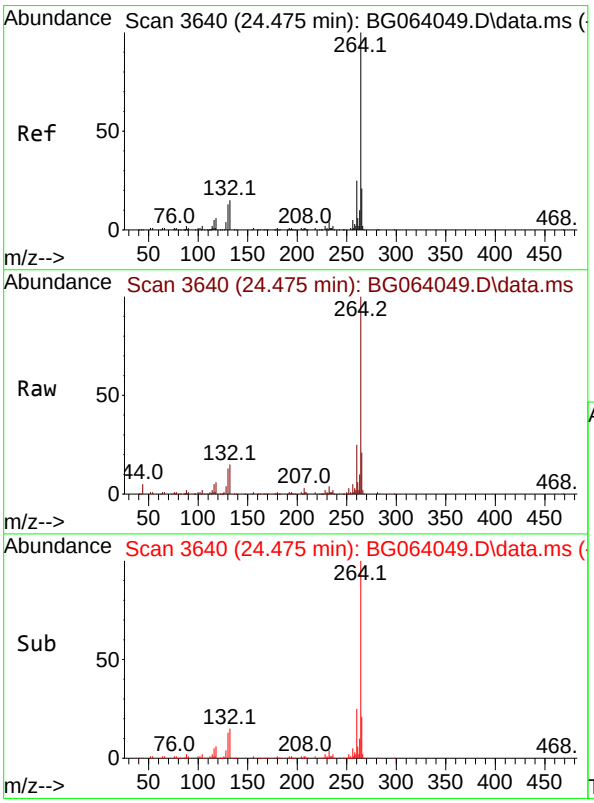
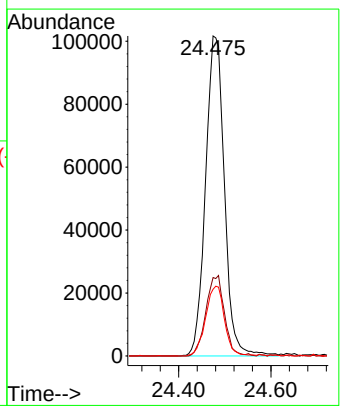
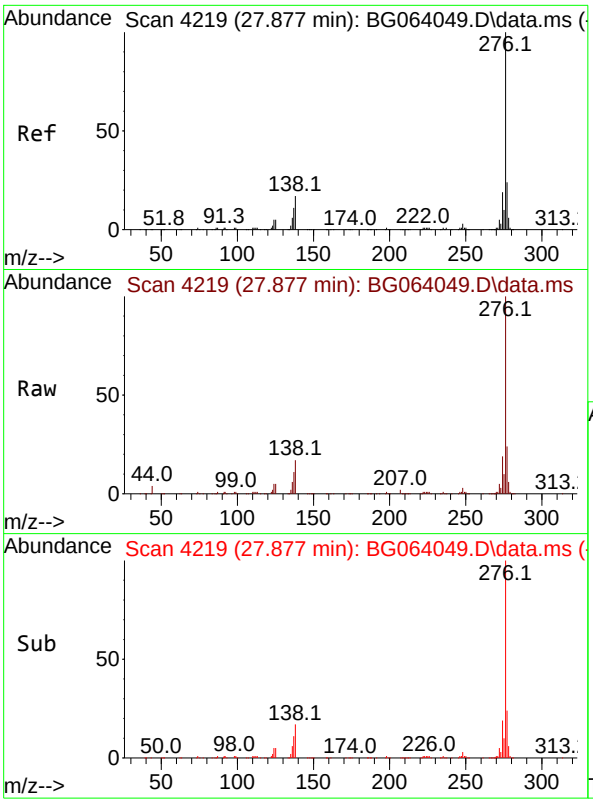


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.475 min Scan# 3640
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:264 Resp: 289801

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.6	29.4
265	20.8	16.6	25.0

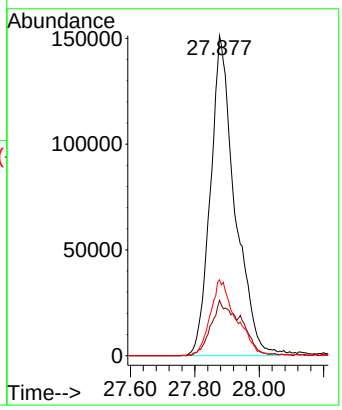




#87
Indeno(1,2,3-cd)pyrene
Concen: 41.124 ng
RT: 27.877 min Scan# 4
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:276 Resp: 79738

Ion	Ratio	Lower	Upper
276	100		
138	15.1	12.1	18.1
277	25.0	20.0	30.0



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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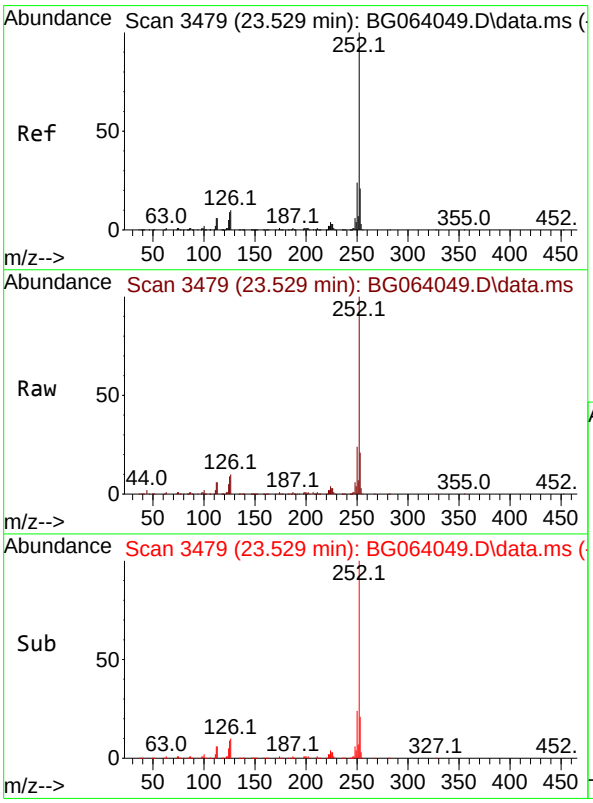
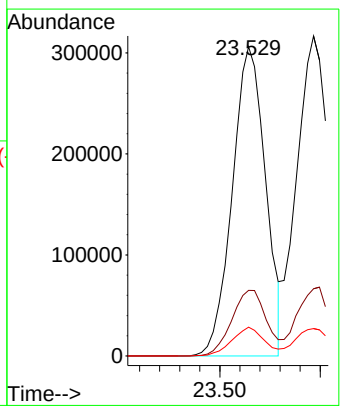
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

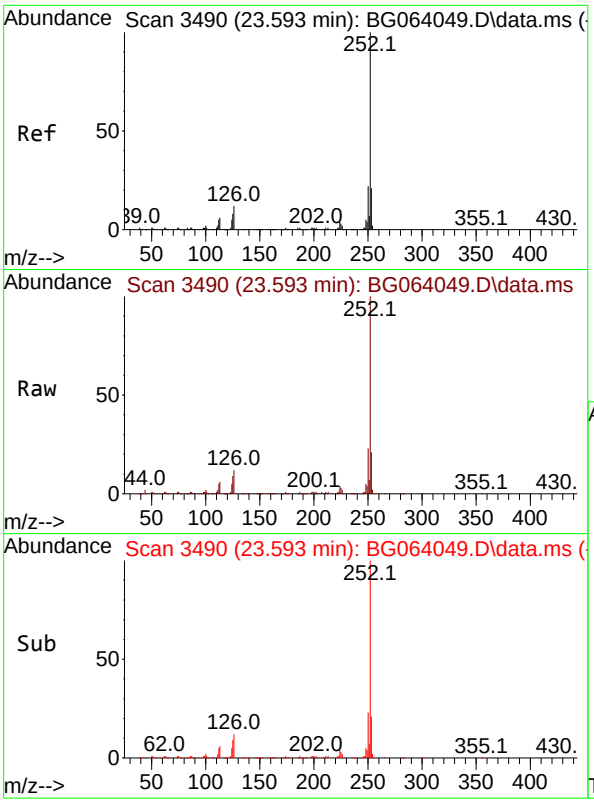


#88
Benzo(b)fluoranthene
Concen: 40.217 ng
RT: 23.529 min Scan# 3479
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:252 Resp: 704588

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.0	25.4
125	9.3	7.4	11.2

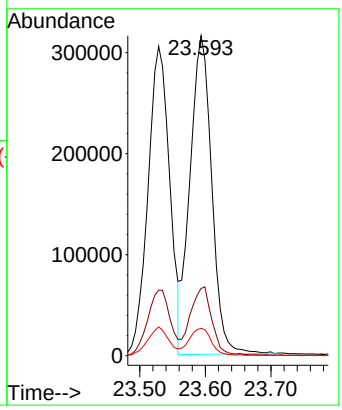




#89
Benzo(k)fluoranthene
Concen: 41.391 ng
RT: 23.593 min Scan# 34
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:252 Resp: 72746

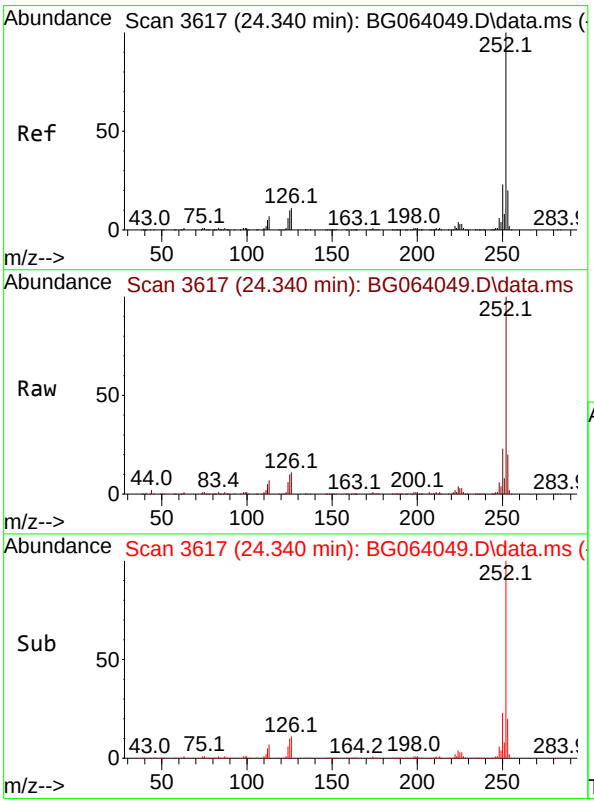
Ion	Ratio	Lower	Upper
252	100		
253	21.0	16.8	25.2
125	8.6	6.9	10.3



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

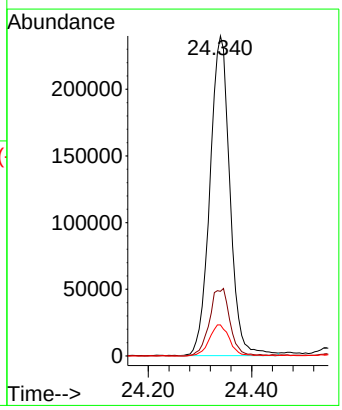
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

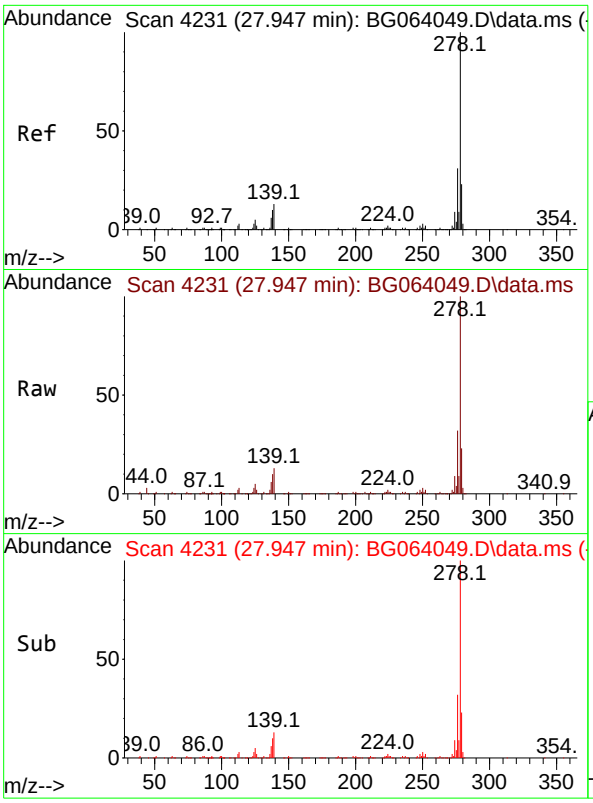


#90
Benzo(a)pyrene
Concen: 41.134 ng
RT: 24.340 min Scan# 3617
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:252 Resp: 641802

Ion	Ratio	Lower	Upper
252	100		
253	20.2	16.2	24.2
125	9.7	7.8	11.6

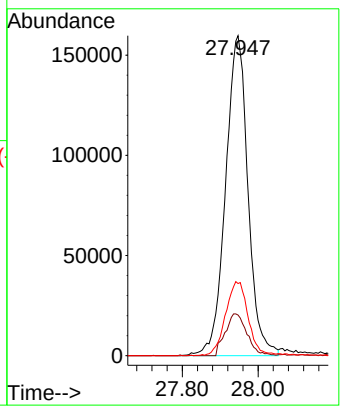




#91
Dibenzo(a,h)anthracene
Concen: 40.836 ng
RT: 27.947 min Scan# 4
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:278 Resp: 65643

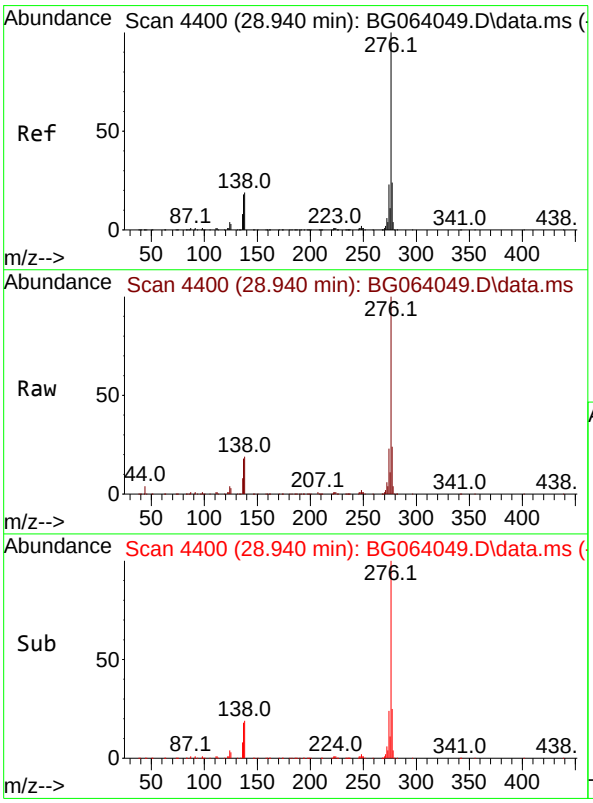
Ion	Ratio	Lower	Upper
278	100		
139	12.7	10.2	15.2
279	22.6	18.1	27.1



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

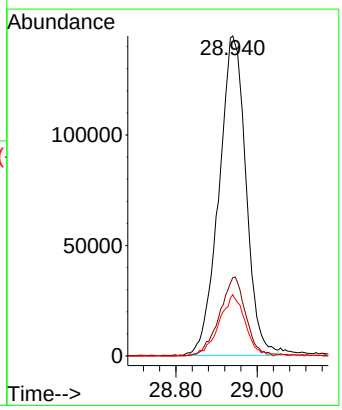
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025



#92
Benzo(g,h,i)perylene
Concen: 40.469 ng
RT: 28.940 min Scan# 4400
Delta R.T. 0.000 min
Lab File: BG064049.D
Acq: 5 Mar 2025 11:43

Tgt Ion:276 Resp: 667911

Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.5	29.3
138	19.2	15.4	23.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064050.D
Acq On : 5 Mar 2025 12:23
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 05 15:24:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 14:45:06 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.865	152	38040	20.000	ng	0.00
21) Naphthalene-d8	10.656	136	162322	20.000	ng	0.00
39) Acenaphthene-d10	14.487	164	110522	20.000	ng	0.00
64) Phenanthrene-d10	17.231	188	254221	20.000	ng	0.00
76) Chrysene-d12	21.467	240	272579	20.000	ng	0.00
86) Perylene-d12	24.475	264	286555	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	239407	98.271	ng	0.00
7) Phenol-d6	7.031	99	323841	97.714	ng	0.00
23) Nitrobenzene-d5	9.017	82	316407	107.720	ng	0.00
42) 2,4,6-Tribromophenol	15.974	330	133386	108.574	ng	0.00
45) 2-Fluorobiphenyl	13.118	172	708865	97.354	ng	0.00
79) Terphenyl-d14	19.851	244	1286263	95.415	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.377	88	53145	48.134	ng	98
3) Pyridine	3.764	79	127257	47.393	ng	97
4) n-Nitrosodimethylamine	3.682	42	94714	49.369	ng	93
6) Aniline	7.196	93	156110	48.003	ng	99
8) 2-Chlorophenol	7.431	128	126814	48.467	ng	100
9) Benzaldehyde	7.008	77	81796	42.223	ng	95
10) Phenol	7.060	94	166630	49.107	ng	97
11) bis(2-Chloroethyl)ether	7.290	93	125734	47.264	ng	99
12) 1,3-Dichlorobenzene	7.760	146	136763	47.598	ng	95
13) 1,4-Dichlorobenzene	7.901	146	140578	47.733	ng	98
14) 1,2-Dichlorobenzene	8.218	146	134631	47.407	ng	96
15) Benzyl Alcohol	8.100	79	129182	50.441	ng	93
16) 2,2'-oxybis(1-Chloropr...	8.394	45	284947	47.637	ng	100
17) 2-Methylphenol	8.300	107	111405	49.469	ng	97
18) Hexachloroethane	8.947	117	50035	48.558	ng	91
19) n-Nitroso-di-n-propyla...	8.670	70	113111	48.631	ng	98
20) 3+4-Methylphenols	8.629	107	153346	49.461	ng	97
22) Acetophenone	8.682	105	221424	49.752	ng	99
24) Nitrobenzene	9.058	77	160553	52.890	ng	96
25) Isophorone	9.581	82	290768	49.457	ng	97
26) 2-Nitrophenol	9.769	139	52718	49.791	ng	100
27) 2,4-Dimethylphenol	9.828	122	89845	50.976	ng	97
28) bis(2-Chloroethoxy)met...	10.069	93	173244	48.604	ng	96
29) 2,4-Dichlorophenol	10.298	162	117642	52.861	ng	96
30) 1,2,4-Trichlorobenzene	10.521	180	136213	50.701	ng	93
31) Naphthalene	10.703	128	430679	49.204	ng	98
32) Benzoic acid	9.975	122	77326m	47.851	ng	
33) 4-Chloroaniline	10.809	127	159874	49.975	ng	99
34) Hexachlorobutadiene	10.997	225	87623	49.759	ng	96
35) Caprolactam	11.579	113	45779	53.678	ng	92
36) 4-Chloro-3-methylphenol	11.931	107	151419	51.905	ng	97
37) 2-Methylnaphthalene	12.313	142	302745	48.994	ng	96
38) 1-Methylnaphthalene	12.531	142	293710	48.517	ng	99
40) 1,2,4,5-Tetrachloroben...	12.677	216	154824	49.068	ng	97
41) Hexachlorocyclopentadiene	12.666	237	48218	54.295	ng	98
43) 2,4,6-Trichlorophenol	12.918	196	100024	53.786	ng	92

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064050.D
Acq On : 5 Mar 2025 12:23
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

Quant Time: Mar 05 15:24:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 14:45:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.989	196	109309	52.900	ng		99
46) 1,1'-Biphenyl	13.324	154	407499	48.802	ng		98
47) 2-Chloronaphthalene	13.365	162	304442	49.991	ng		97
48) 2-Nitroaniline	13.565	65	101610	49.852	ng		96
49) Acenaphthylene	14.211	152	479498	49.779	ng		100
50) Dimethylphthalate	13.952	163	404288	49.555	ng		100
51) 2,6-Dinitrotoluene	14.064	165	82929	49.957	ng		90
52) Acenaphthene	14.558	154	320276m	49.442	ng		
53) 3-Nitroaniline	14.393	138	86456	54.830	ng		100
54) 2,4-Dinitrophenol	14.593	184	30713	48.003	ng		89
55) Dibenzofuran	14.887	168	511922	48.883	ng		99
56) 4-Nitrophenol	14.693	139	77342	58.485	ng		94
57) 2,4-Dinitrotoluene	14.851	165	115455	50.361	ng	#	95
58) Fluorene	15.539	166	401156	49.182	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.110	232	106306	52.772	ng		98
60) Diethylphthalate	15.321	149	448796	50.673	ng		98
61) 4-Chlorophenyl-phenyle...	15.533	204	196685	48.525	ng		93
62) 4-Nitroaniline	15.556	138	96864	56.899	ng		96
63) Azobenzene	15.827	77	469832	49.712	ng		99
65) 4,6-Dinitro-2-methylph...	15.609	198	52142	47.566	ng		92
66) n-Nitrosodiphenylamine	15.744	169	354329	49.240	ng		100
67) 4-Bromophenyl-phenylether	16.426	248	127329	48.903	ng		97
68) Hexachlorobenzene	16.538	284	144717	49.646	ng		97
69) Atrazine	16.696	200	81796	38.632	ng		96
70) Pentachlorophenol	16.878	266	95820	52.943	ng		98
71) Phenanthrene	17.272	178	669776	49.395	ng		99
72) Anthracene	17.360	178	670298	49.714	ng		98
73) Carbazole	17.630	167	640167	50.853	ng		99
74) Di-n-butylphthalate	18.206	149	785487	53.009	ng		100
75) Fluoranthene	19.281	202	824769	50.454	ng		99
77) Benzidine	19.464	184	133122	34.790	ng		99
78) Pyrene	19.646	202	854585	48.636	ng		99
80) Butylbenzylphthalate	20.545	149	322148	48.794	ng		98
81) Benzo(a)anthracene	21.449	228	868997	49.769	ng		96
82) 3,3'-Dichlorobenzidine	21.367	252	283543	50.177	ng		98
83) Chrysene	21.508	228	860924	49.437	ng		99
84) Bis(2-ethylhexyl)phtha...	21.385	149	511903	54.210	ng		100
85) Di-n-octyl phthalate	22.531	149	855727	52.538	ng		100
87) Indeno(1,2,3-cd)pyrene	27.883	276	970339	50.610	ng		98
88) Benzo(b)fluoranthene	23.535	252	882554	50.946	ng		98
89) Benzo(k)fluoranthene	23.600	252	863262	49.673	ng		97
90) Benzo(a)pyrene	24.346	252	792379	51.360	ng		98
91) Dibenzo(a,h)anthracene	27.948	278	812185	51.097	ng		99
92) Benzo(g,h,i)perylene	28.947	276	821282	50.325	ng		99

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

ICAL Form

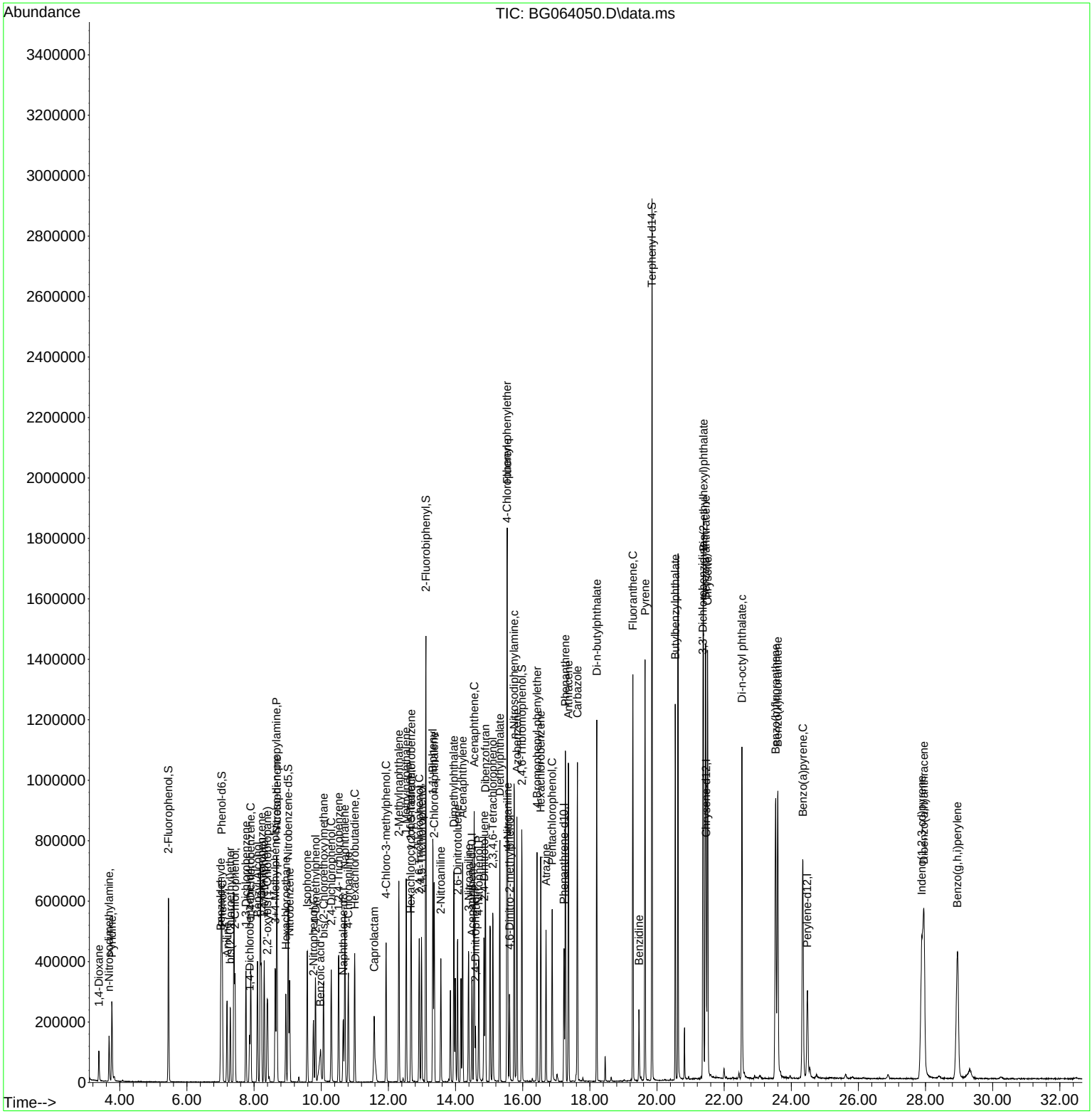
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064050.D
Acq On : 5 Mar 2025 12:23
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

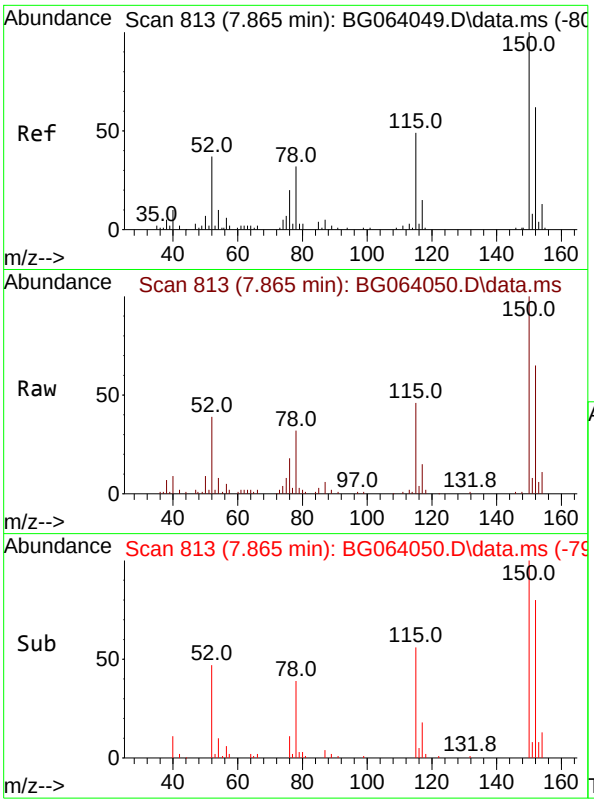
Quant Time: Mar 05 15:24:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 14:45:06 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

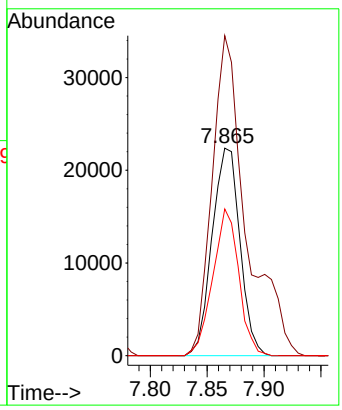




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.865 min Scan# 81
Delta R.T. 0.000 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:152 Resp: 3804

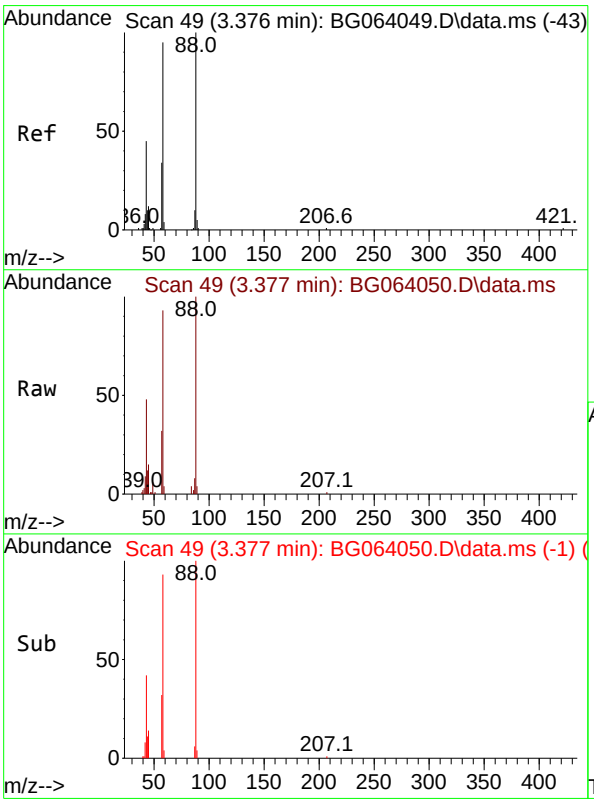
Ion	Ratio	Lower	Upper
152	100		
150	154.2	129.2	193.8
115	70.7	63.0	94.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

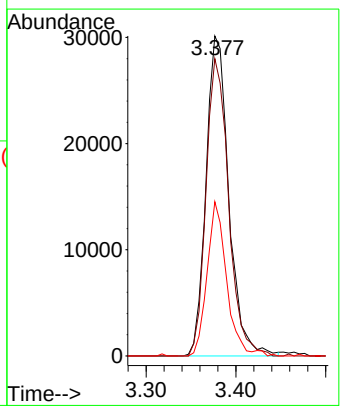
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

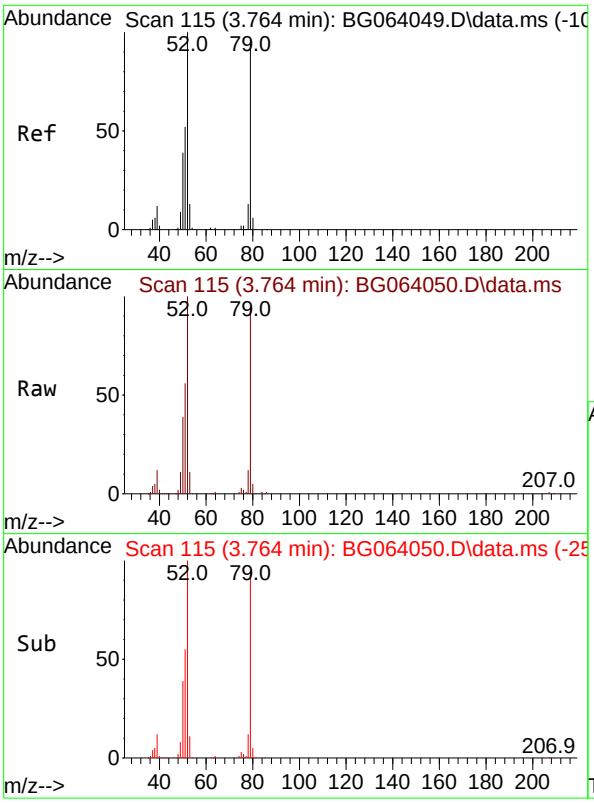


#2
1,4-Dioxane
Concen: 48.134 ng
RT: 3.377 min Scan# 49
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion: 88 Resp: 53145

Ion	Ratio	Lower	Upper
88	100		
58	91.8	74.6	111.8
43	41.4	35.5	53.3

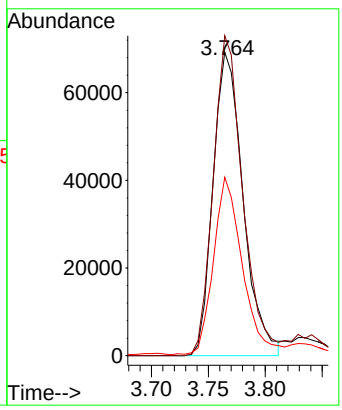




#3
Pyridine
Concen: 47.393 ng
RT: 3.764 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion: 79 Resp: 12725

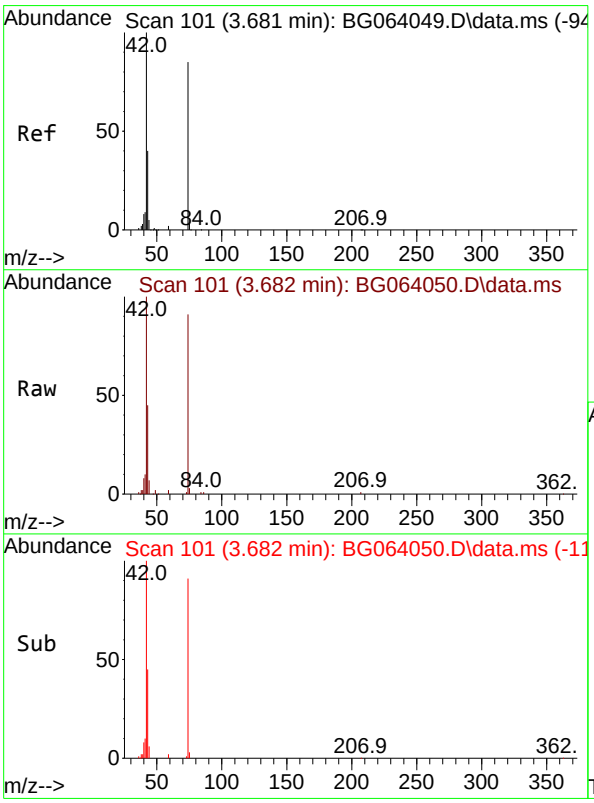
Ion	Ratio	Lower	Upper
79	100		
52	105.4	83.0	124.6
51	58.8	44.3	66.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

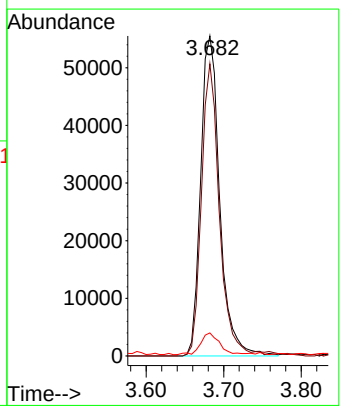
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

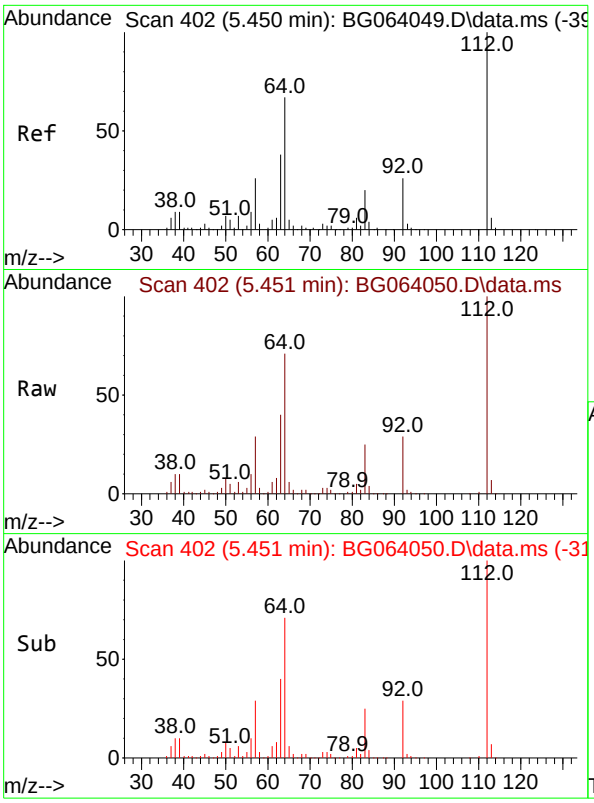


#4
n-Nitrosodimethylamine
Concen: 49.369 ng
RT: 3.682 min Scan# 101
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion: 42 Resp: 94714

Ion	Ratio	Lower	Upper
42	100		
74	91.3	68.0	102.0
44	7.2	4.9	7.3

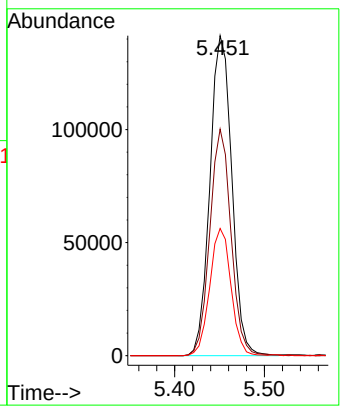




#5
2-Fluorophenol
Concen: 98.271 ng
RT: 5.451 min Scan# 4
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:112 Resp: 23940

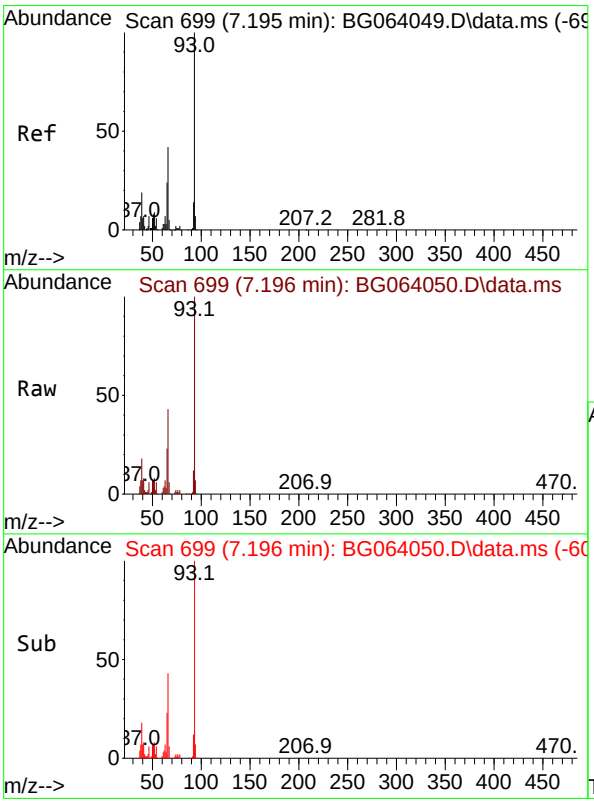
Ion	Ratio	Lower	Upper
112	100		
64	70.8	53.7	80.5
63	39.8	30.2	45.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

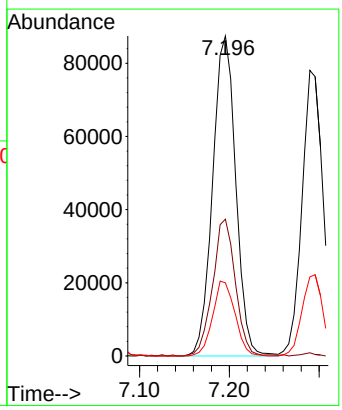
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

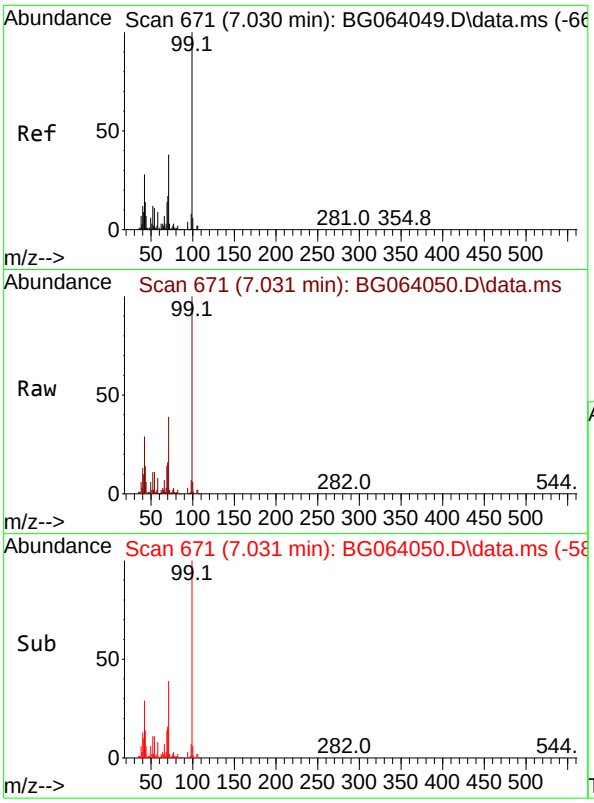


#6
Aniline
Concen: 48.003 ng
RT: 7.196 min Scan# 699
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion: 93 Resp: 156110

Ion	Ratio	Lower	Upper
93	100		
66	42.7	33.7	50.5
65	22.9	19.1	28.7

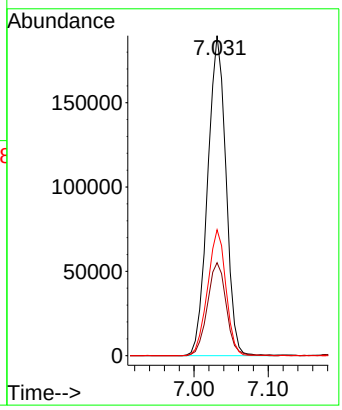




#7
Phenol-d6
Concen: 97.714 ng
RT: 7.031 min Scan# 6
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion: 99 Resp: 32384

Ion	Ratio	Lower	Upper
99	100		
42	29.1	22.7	34.1
71	39.4	30.6	46.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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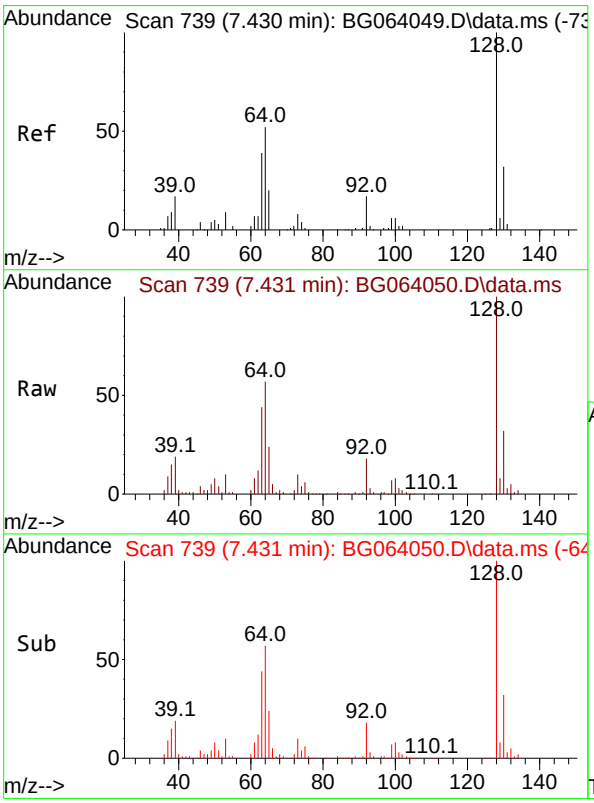
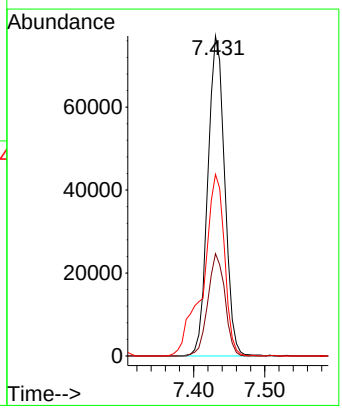
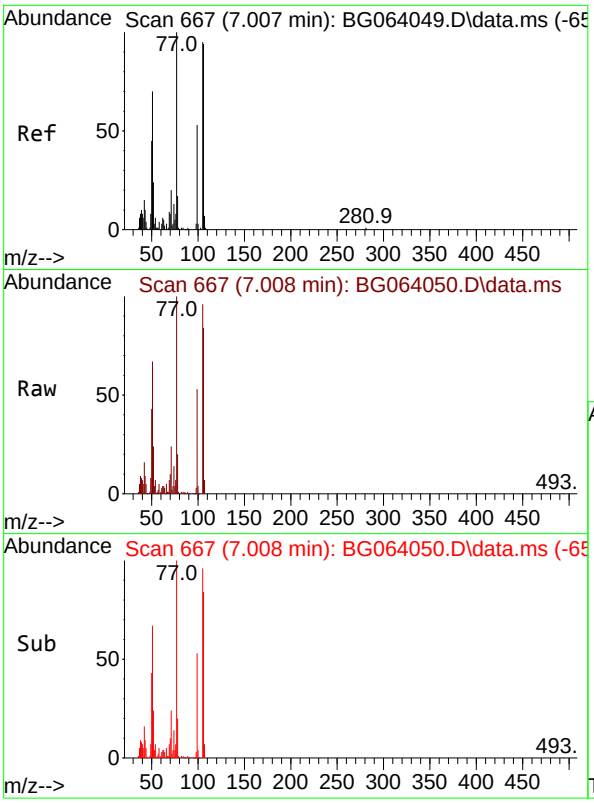


#8
2-Chlorophenol
Concen: 48.467 ng
RT: 7.431 min Scan# 739
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:128 Resp: 126814

Ion	Ratio	Lower	Upper
128	100		
130	31.9	12.3	52.3
64	56.7	37.0	77.0

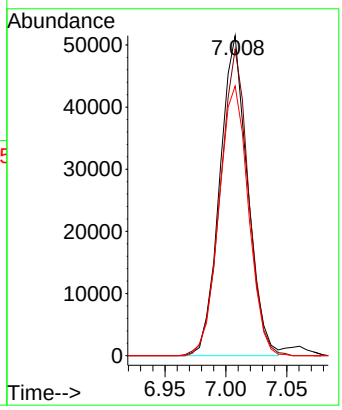




#9
Benzaldehyde
Concen: 42.223 ng
RT: 7.008 min Scan# 6
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion: 77 Resp: 8179

Ion	Ratio	Lower	Upper
77	100		
105	95.8	75.5	115.5
106	84.3	74.2	114.2



Instrument :
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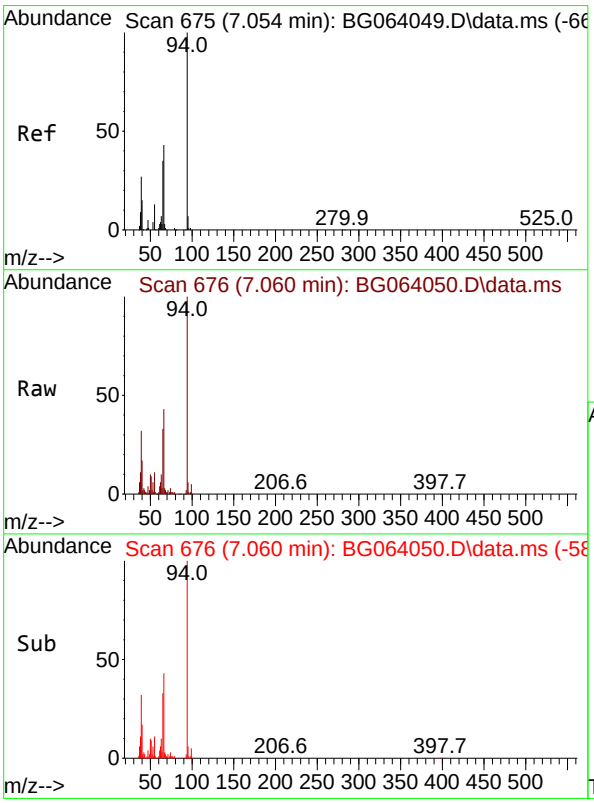
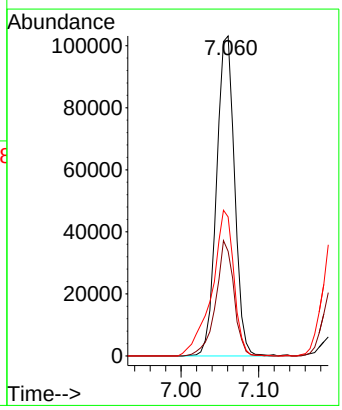
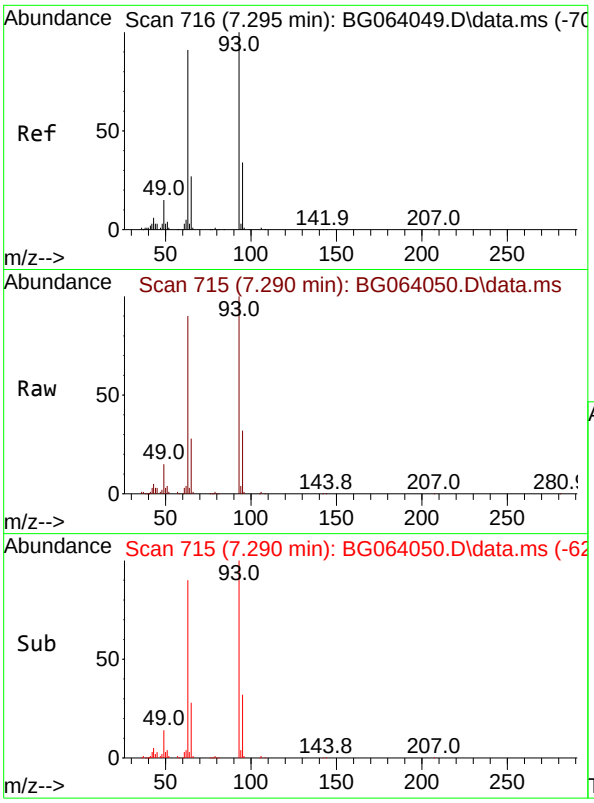


#10
Phenol
Concen: 49.107 ng
RT: 7.060 min Scan# 676
Delta R.T. 0.007 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion: 94 Resp: 166630

Ion	Ratio	Lower	Upper
94	100		
65	32.7	15.2	55.2
66	43.4	25.1	65.1





#11
bis(2-Chloroethyl)ether
Concen: 47.264 ng
RT: 7.290 min Scan# 7
Delta R.T. -0.005 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion: 93 Resp: 12573

Ion	Ratio	Lower	Upper
93	100		
63	89.8	70.0	110.0
95	31.9	13.7	53.7

Instrument :
BNA_G
ClientSampleId :
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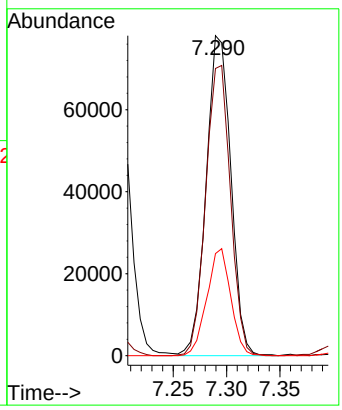
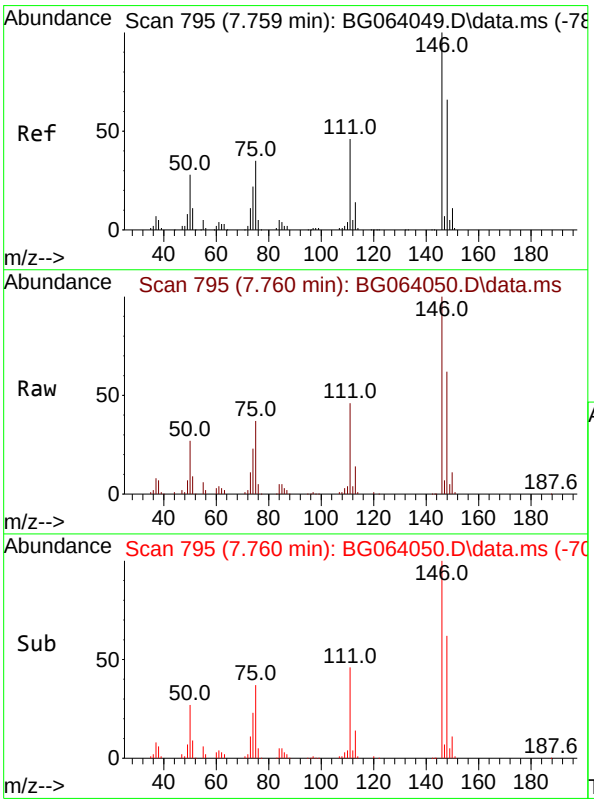
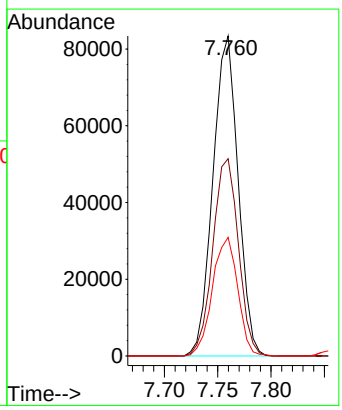


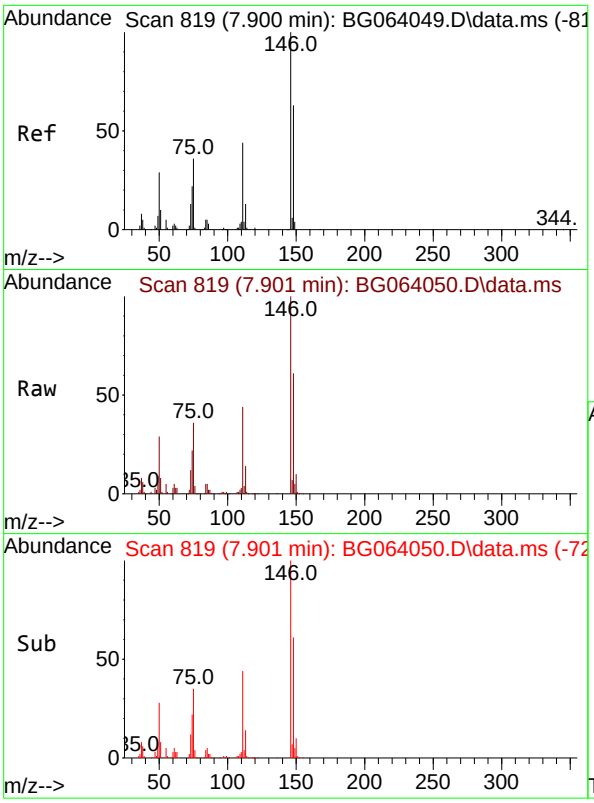


#12
1,3-Dichlorobenzene
Concen: 47.598 ng
RT: 7.760 min Scan# 795
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:146 Resp: 136763

Ion	Ratio	Lower	Upper
146	100		
148	61.6	52.6	78.8
75	37.1	28.1	42.1

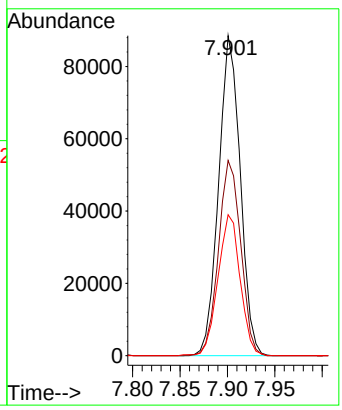




#13
1,4-Dichlorobenzene
Concen: 47.733 ng
RT: 7.901 min Scan# 8
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:146 Resp: 14057

Ion	Ratio	Lower	Upper
146	100		
148	61.0	50.6	75.8
111	44.1	35.1	52.7



Instrument :
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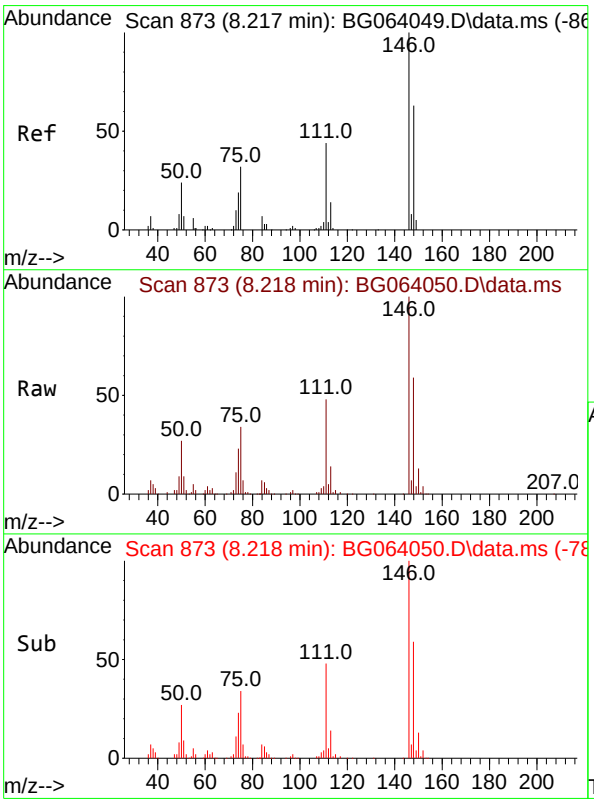
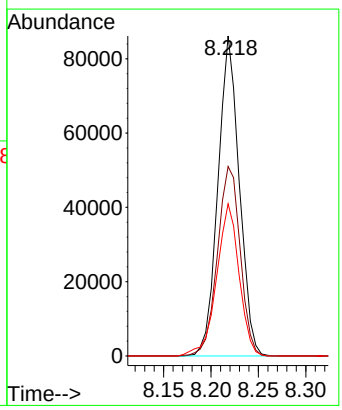
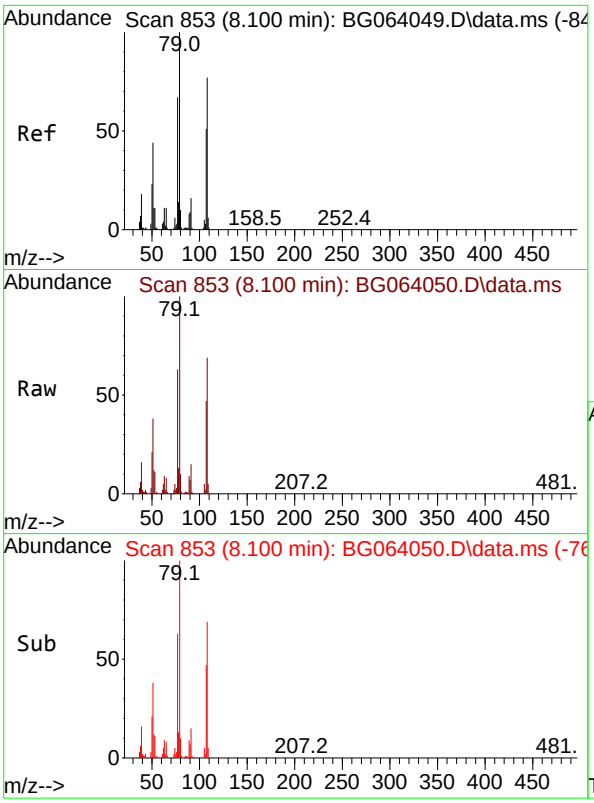


#14
1,2-Dichlorobenzene
Concen: 47.407 ng
RT: 8.218 min Scan# 873
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:146 Resp: 134631

Ion	Ratio	Lower	Upper
146	100		
148	59.2	50.2	75.2
111	47.5	36.4	54.6





#15
Benzyl Alcohol
Concen: 50.441 ng
RT: 8.100 min Scan# 8
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion: 79 Resp: 12918

Ion	Ratio	Lower	Upper
79	100		
108	68.8	61.7	92.5
77	63.5	53.9	80.9

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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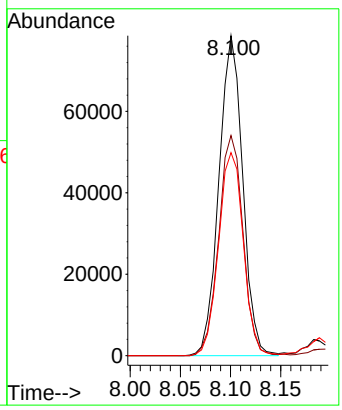
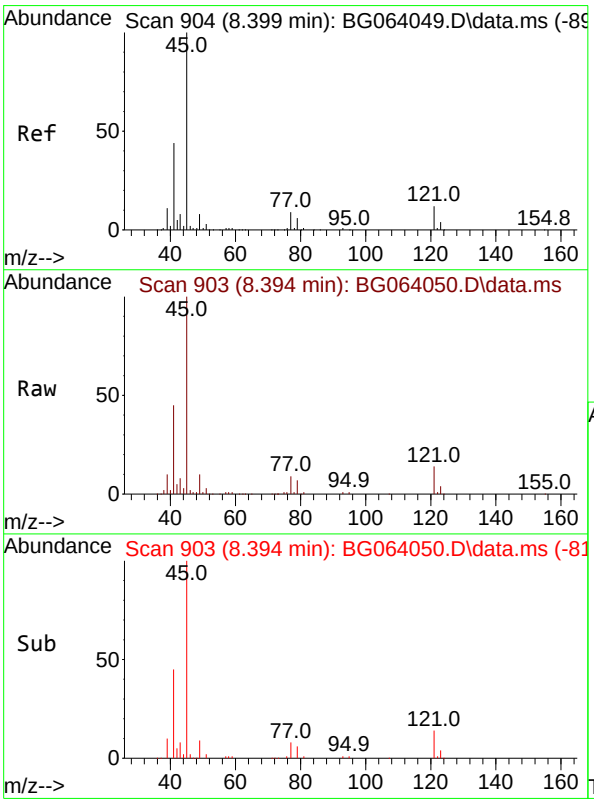
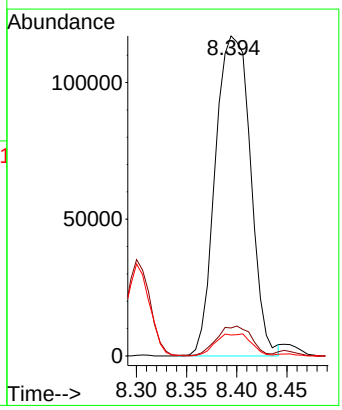


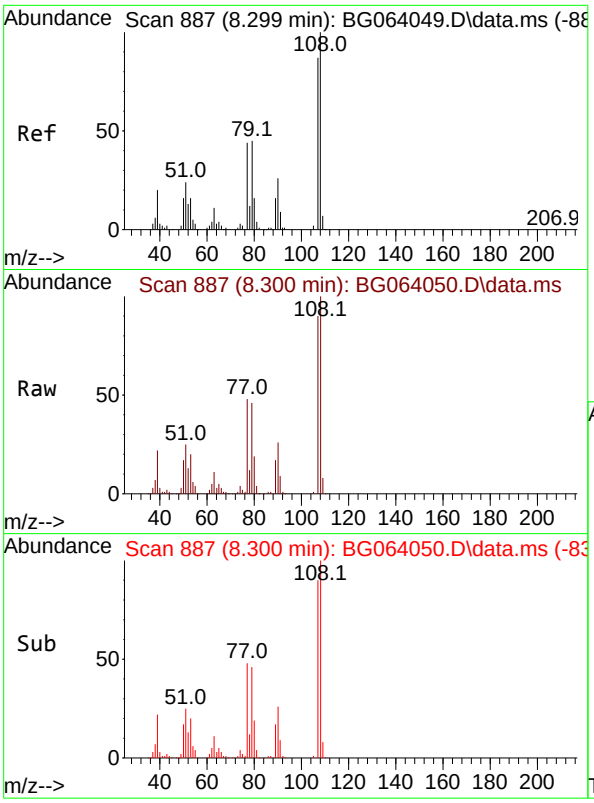


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.637 ng
RT: 8.394 min Scan# 903
Delta R.T. -0.005 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion: 45 Resp: 284947

Ion	Ratio	Lower	Upper
45	100		
77	8.8	0.0	29.0
79	6.5	0.0	26.6

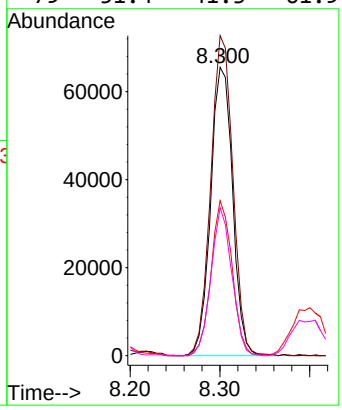




#17
2-Methylphenol
Concen: 49.469 ng
RT: 8.300 min Scan# 8
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:107 Resp: 11140

Ion	Ratio	Lower	Upper
107	100		
108	111.0	92.5	138.7
77	53.8	40.5	60.7
79	51.4	41.3	61.9



Instrument :
BNA_G
ClientSampleId :
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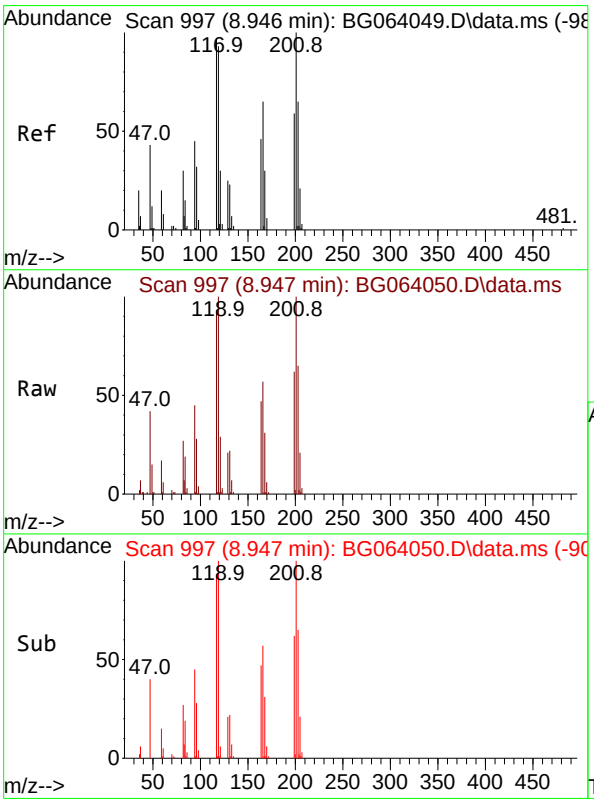
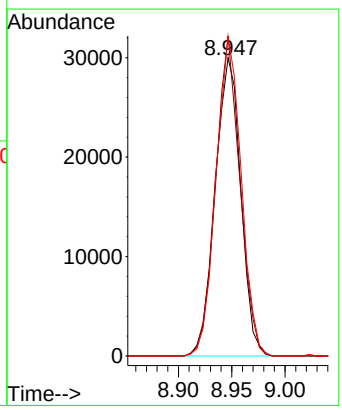
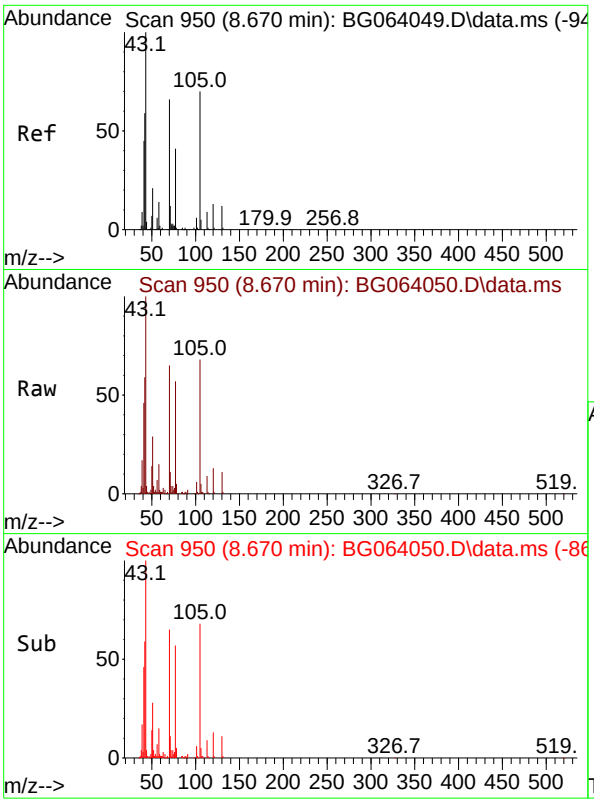


#18
Hexachloroethane
Concen: 48.558 ng
RT: 8.947 min Scan# 997
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:117 Resp: 50035

Ion	Ratio	Lower	Upper
117	100		
119	108.3	76.2	114.2
201	107.3	81.5	122.3

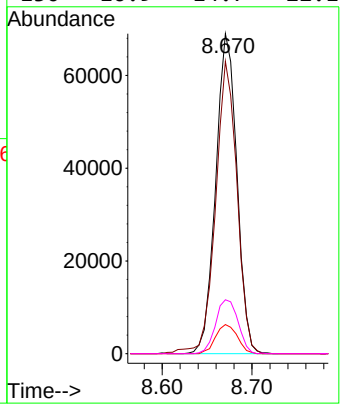




#19
n-Nitroso-di-n-propylamine
Concen: 48.631 ng
RT: 8.670 min Scan# 9
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion: 70 Resp: 11311

Ion	Ratio	Lower	Upper
70	100		
42	91.4	72.1	108.1
101	9.1	7.2	10.8
130	16.9	14.7	22.1



Instrument :
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ClientSampleId :
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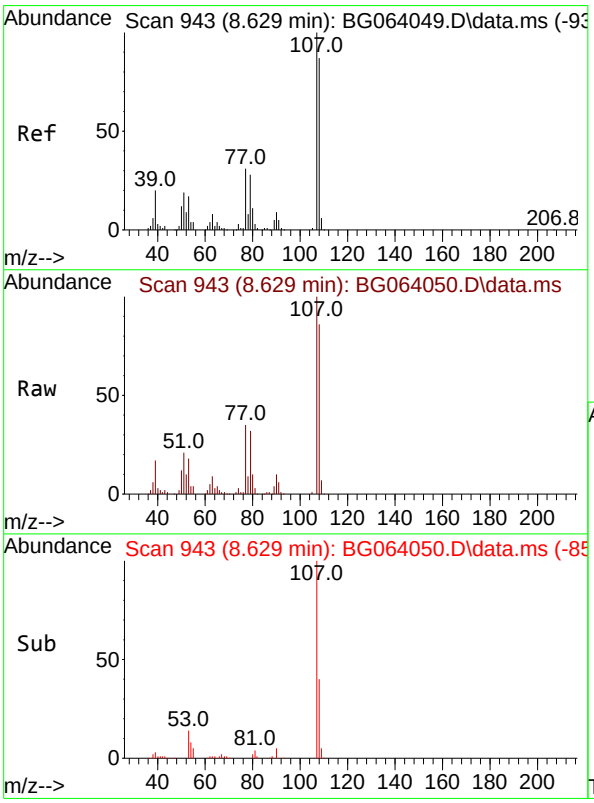
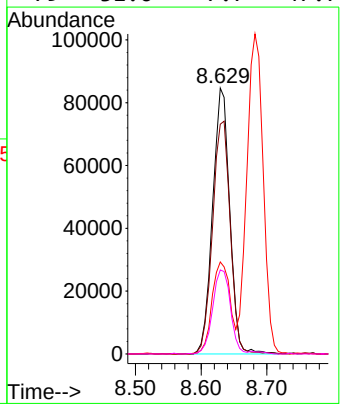
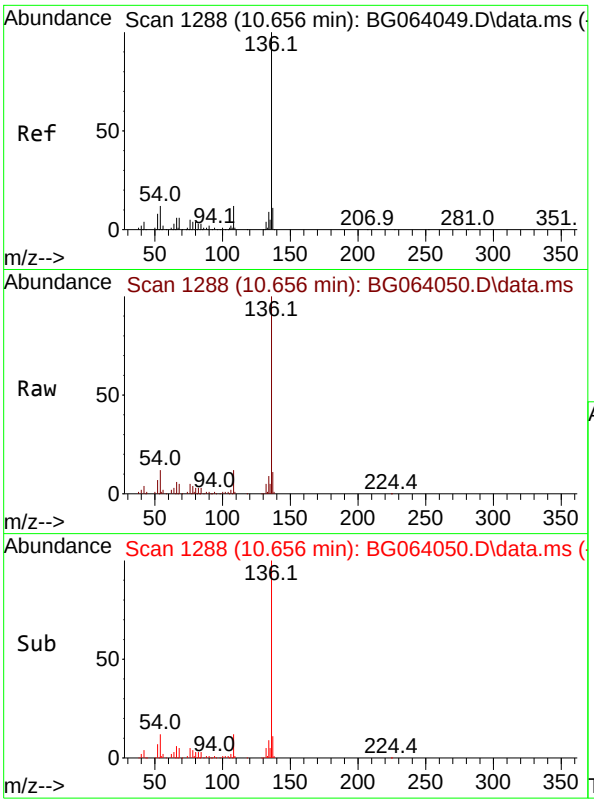


#20
3+4-Methylphenols
Concen: 49.461 ng
RT: 8.629 min Scan# 943
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:107 Resp: 153346

Ion	Ratio	Lower	Upper
107	100		
108	86.4	67.0	107.0
77	34.6	11.2	51.2
79	31.6	7.7	47.7

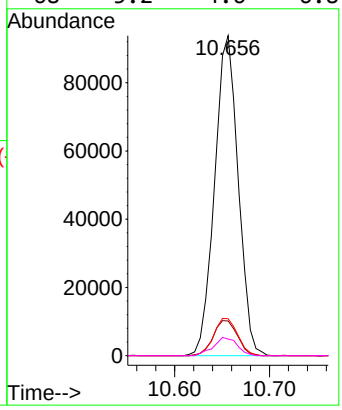




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.656 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:136 Resp: 16232

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	12.3	9.9	14.9
68	5.2	4.6	6.8



Instrument :
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ClientSampleId :
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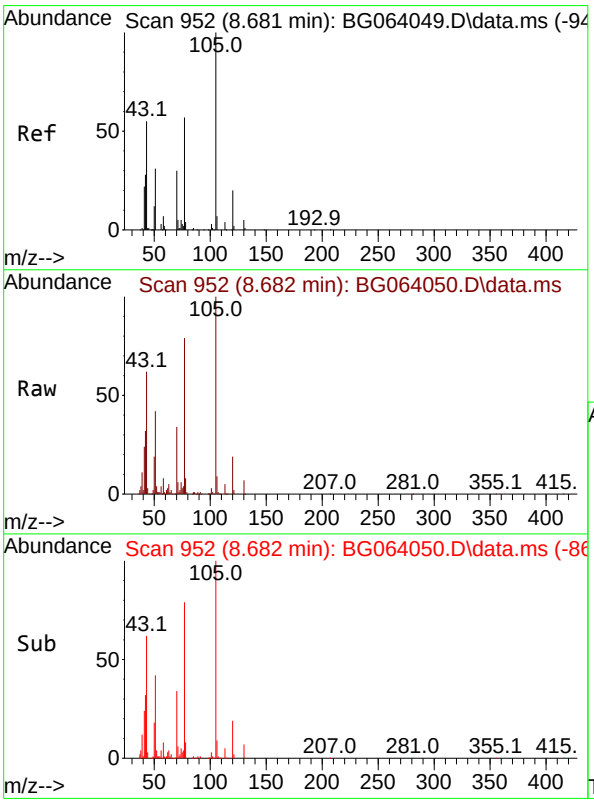
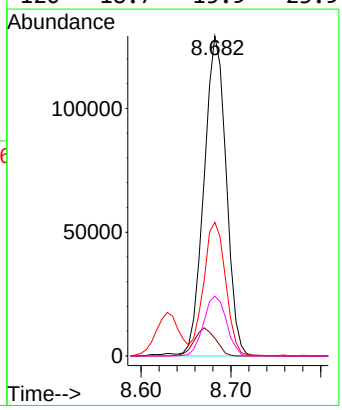
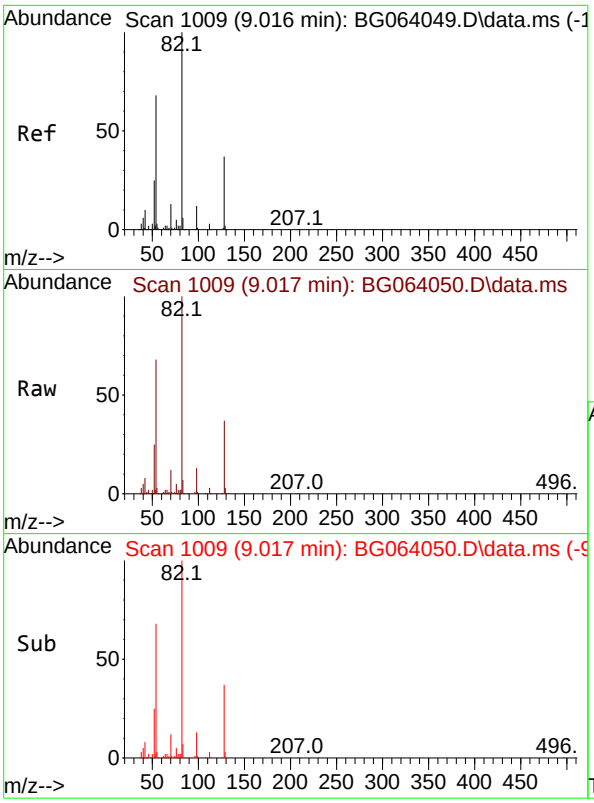


#22
Acetophenone
Concen: 49.752 ng
RT: 8.682 min Scan# 952
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:105 Resp: 221424

Ion	Ratio	Lower	Upper
105	100		
71	5.5	4.2	6.4
51	41.8	33.3	49.9
120	18.7	15.9	23.9

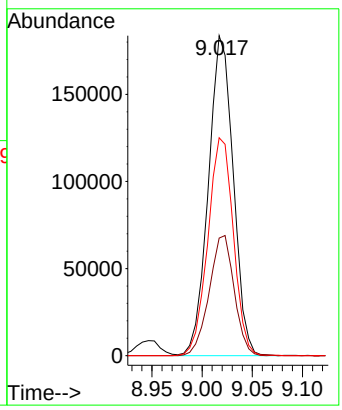




#23
Nitrobenzene-d5
Concen: 107.720 ng
RT: 9.017 min Scan# 1(
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion: 82 Resp: 31640

Ion	Ratio	Lower	Upper
82	100		
128	36.7	30.0	45.0
54	68.1	54.7	82.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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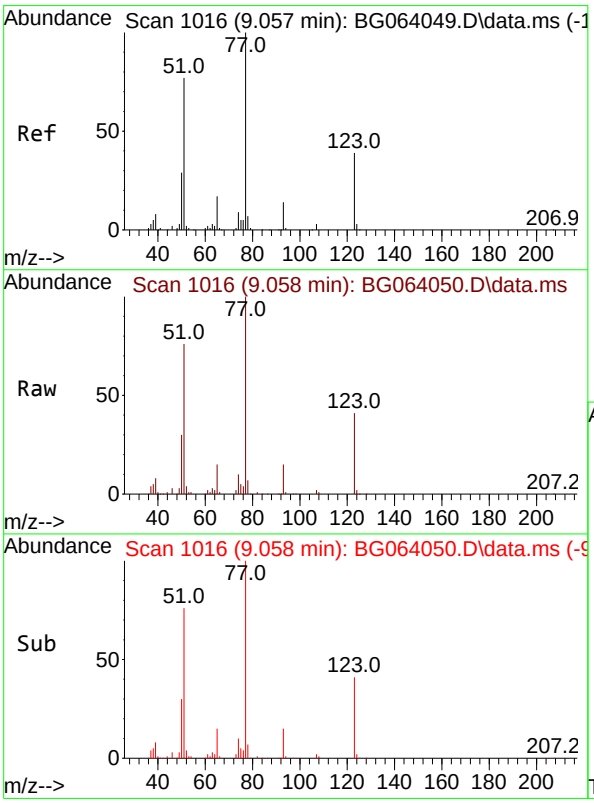
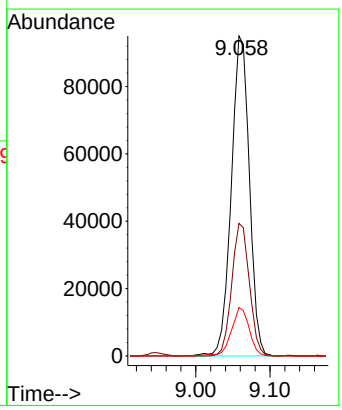
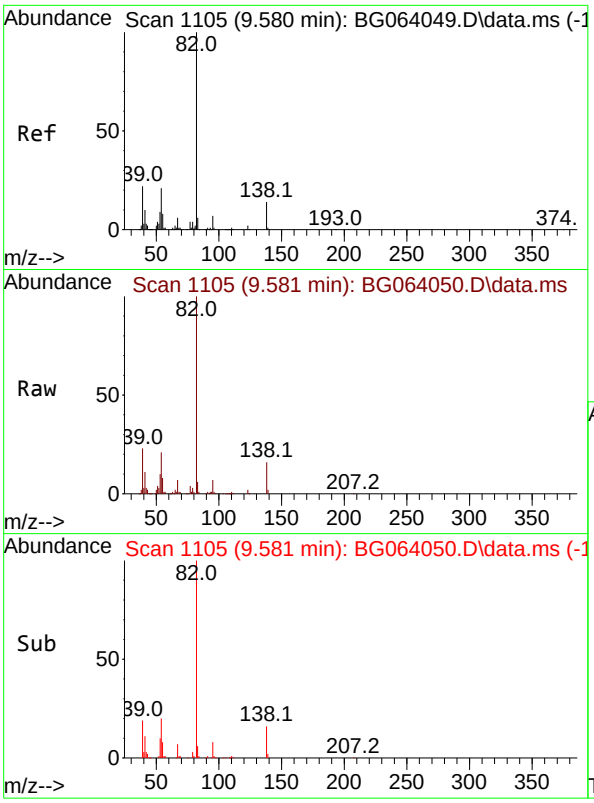


#24
Nitrobenzene
Concen: 52.890 ng
RT: 9.058 min Scan# 1016
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion: 77 Resp: 160553

Ion	Ratio	Lower	Upper
77	100		
123	41.4	31.4	47.2
65	15.1	13.4	20.0





#25
Isophorone
Concen: 49.457 ng
RT: 9.581 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion: 82 Resp: 29076

Ion	Ratio	Lower	Upper
82	100		
95	7.4	5.8	8.8
138	15.7	10.9	16.3

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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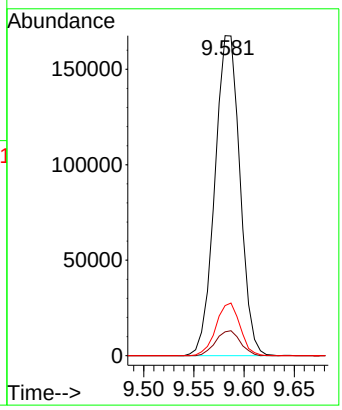
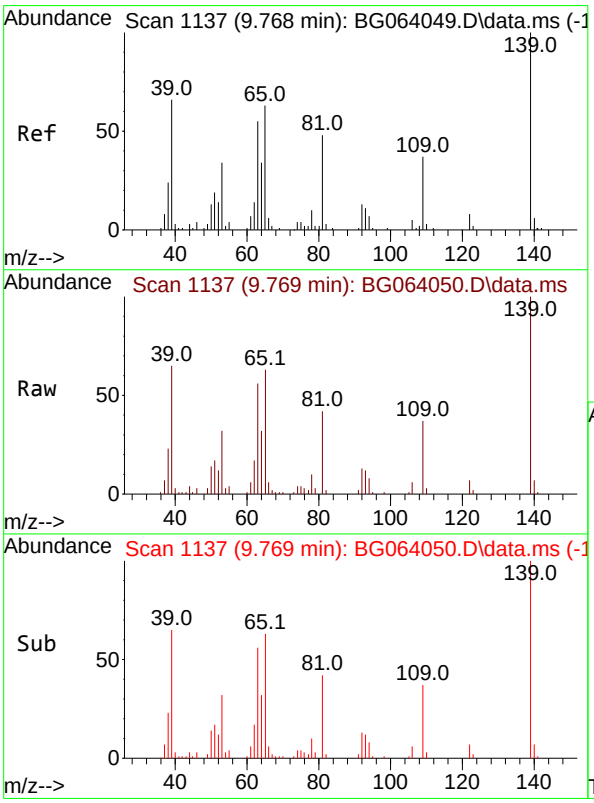
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

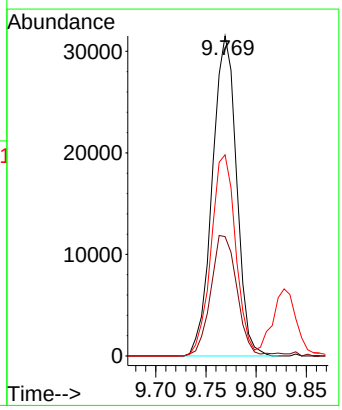


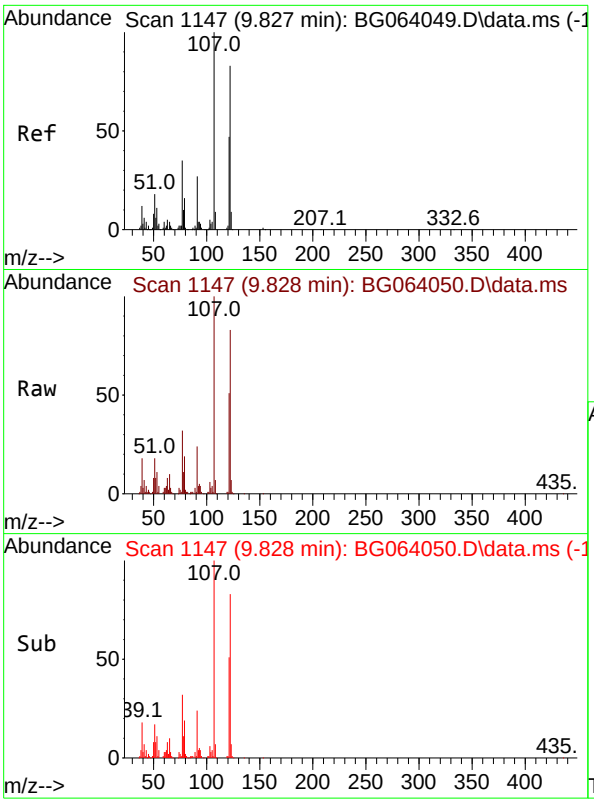


#26
2-Nitrophenol
Concen: 49.791 ng
RT: 9.769 min Scan# 1137
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:139 Resp: 52718

Ion	Ratio	Lower	Upper
139	100		
109	37.3	29.9	44.9
65	62.8	50.6	76.0

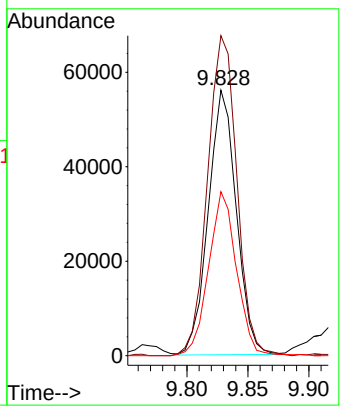




#27
2,4-Dimethylphenol
Concen: 50.976 ng
RT: 9.828 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:122 Resp: 8984

Ion	Ratio	Lower	Upper
122	100		
107	120.6	95.4	143.0
121	61.8	44.9	67.3



Instrument :
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ClientSampleId :
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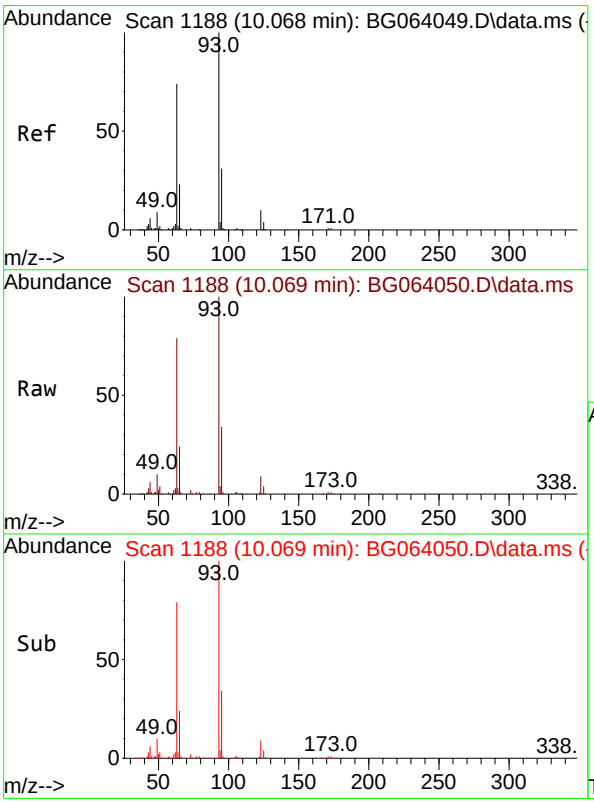
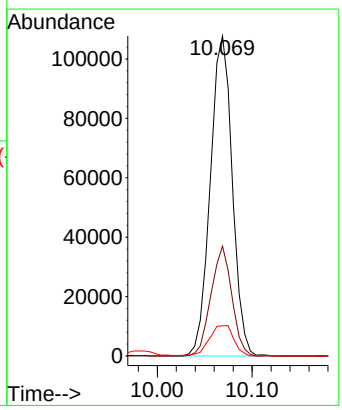
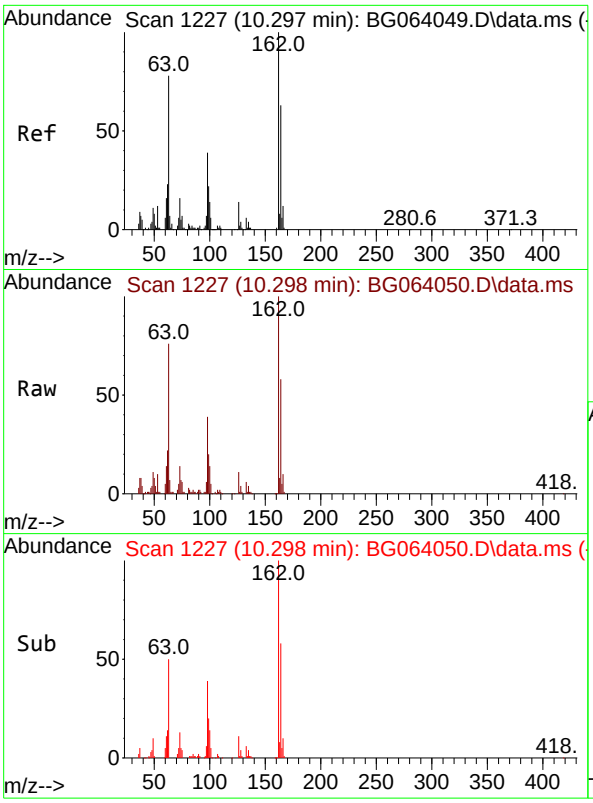


#28
bis(2-Chloroethoxy)methane
Concen: 48.604 ng
RT: 10.069 min Scan# 1188
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion: 93 Resp: 173244

Ion	Ratio	Lower	Upper
93	100		
95	34.4	25.0	37.4
123	9.5	7.6	11.4

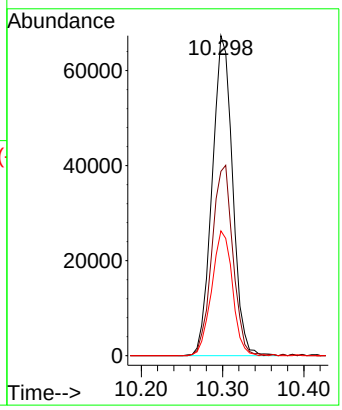




#29
2,4-Dichlorophenol
Concen: 52.861 ng
RT: 10.298 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:162 Resp: 11764

Ion	Ratio	Lower	Upper
162	100		
164	57.6	42.8	82.8
98	39.0	19.1	59.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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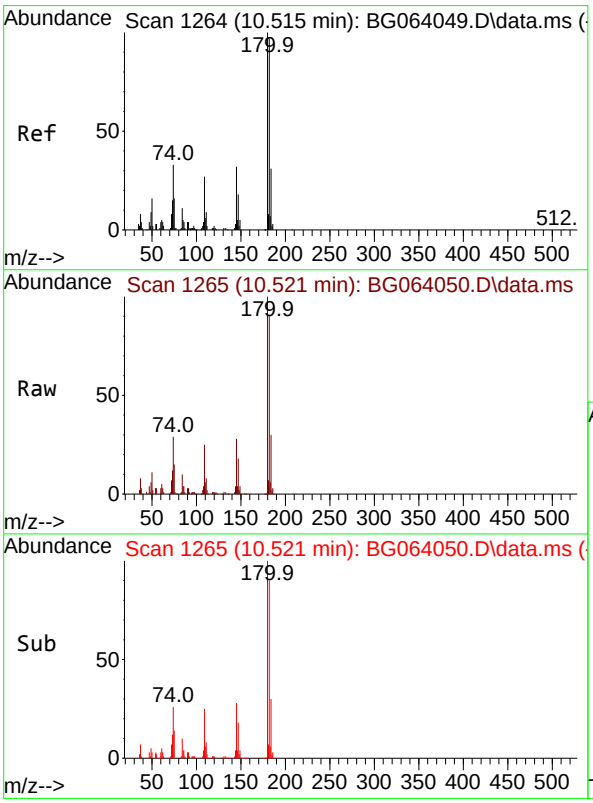
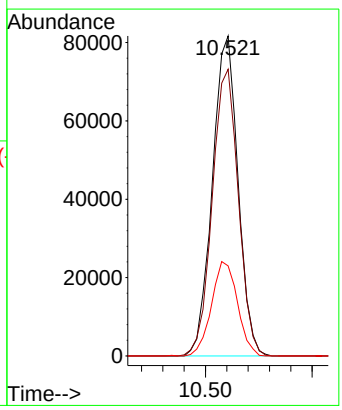
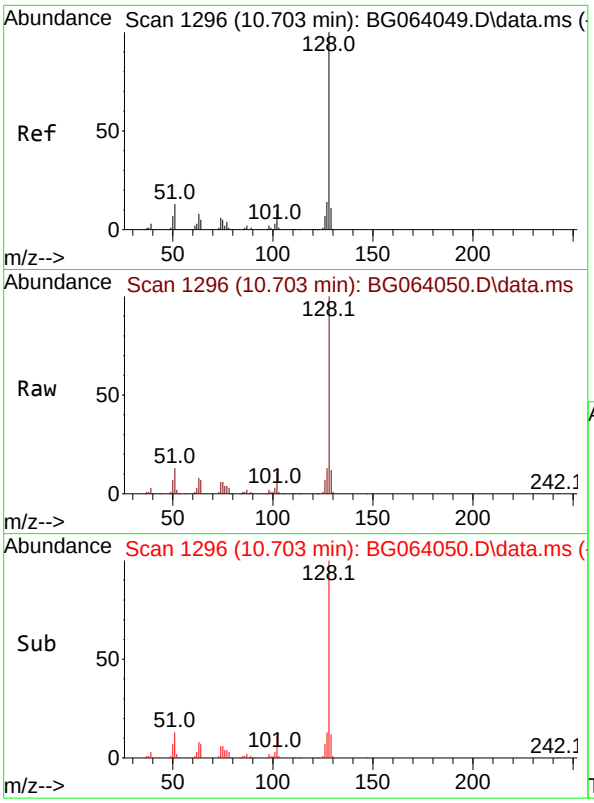


#30
1,2,4-Trichlorobenzene
Concen: 50.701 ng
RT: 10.521 min Scan# 1265
Delta R.T. 0.007 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:180 Resp: 136213

Ion	Ratio	Lower	Upper
180	100		
182	89.6	77.3	115.9
145	28.2	25.2	37.8

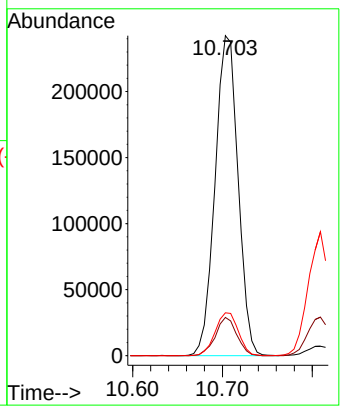




#31
Naphthalene
Concen: 49.204 ng
RT: 10.703 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:128 Resp: 43067

Ion	Ratio	Lower	Upper
128	100		
129	11.9	8.4	12.6
127	13.4	11.1	16.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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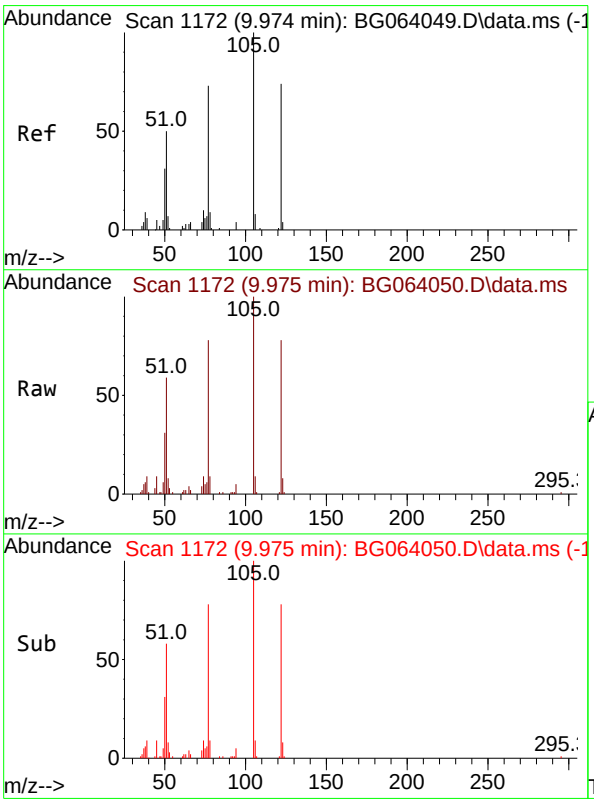
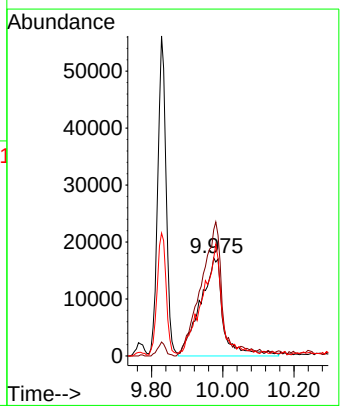
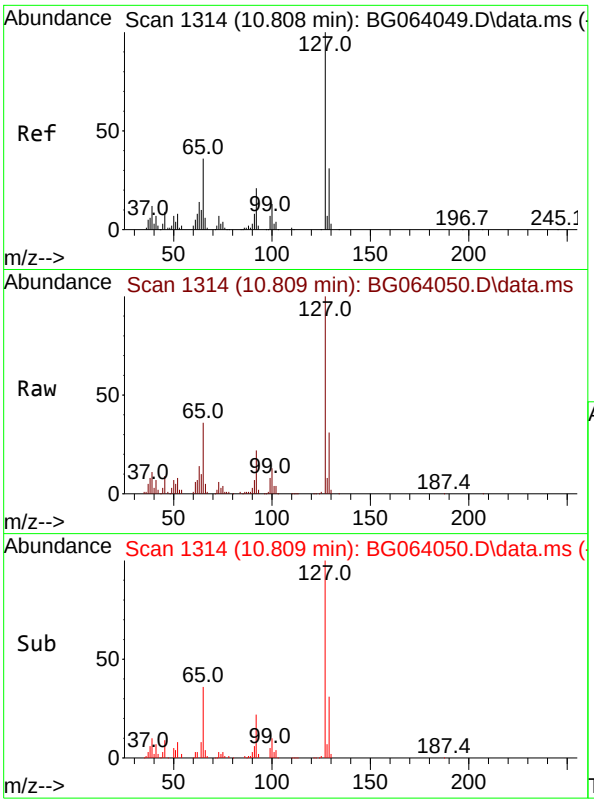


#32
Benzoic acid
Concen: 47.851 ng m
RT: 9.975 min Scan# 1172
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:122 Resp: 77326

Ion	Ratio	Lower	Upper
122	100		
105	128.9	115.0	155.0
77	100.0	80.9	120.9

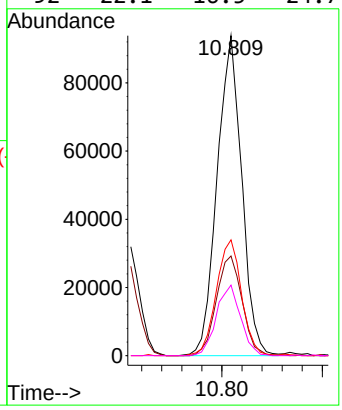




#33
4-Chloroaniline
Concen: 49.975 ng
RT: 10.809 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:127 Resp: 15987

Ion	Ratio	Lower	Upper
127	100		
129	31.1	25.0	37.4
65	36.2	28.5	42.7
92	22.1	16.5	24.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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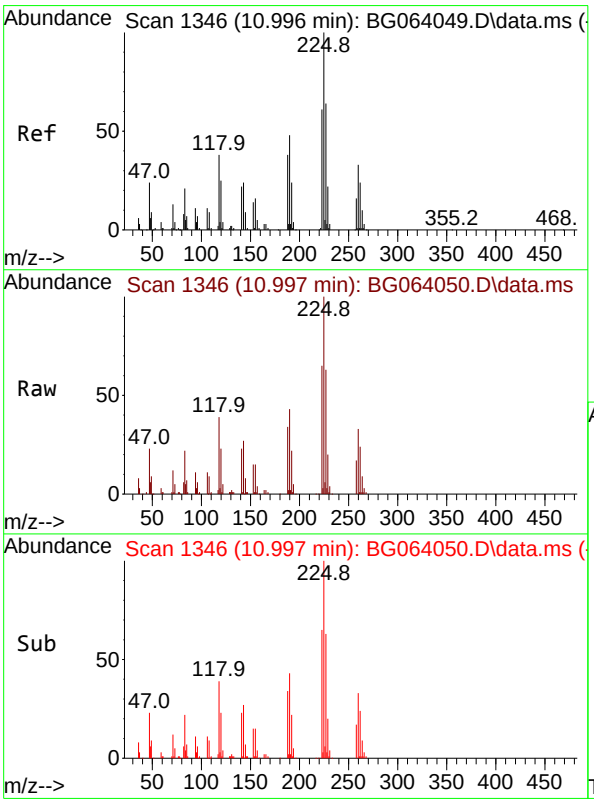
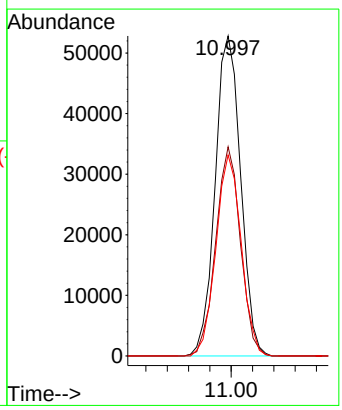
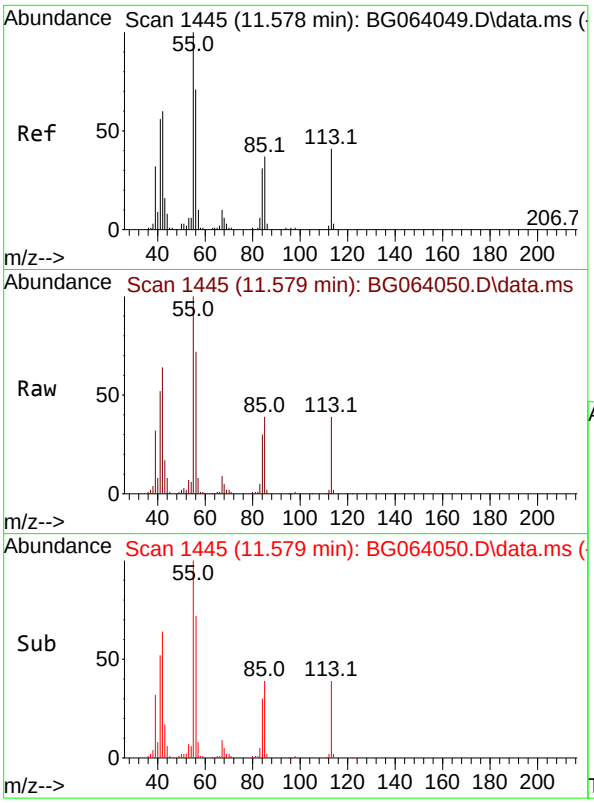


#34
Hexachlorobutadiene
Concen: 49.759 ng
RT: 10.997 min Scan# 1346
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:225 Resp: 87623

Ion	Ratio	Lower	Upper
225	100		
223	65.4	48.5	72.7
227	62.8	51.0	76.6

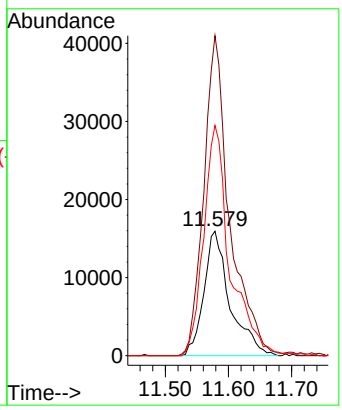




#35
Caprolactam
Concen: 53.678 ng
RT: 11.579 min Scan# 14
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:113 Resp: 4577

Ion	Ratio	Lower	Upper
113	100		
55	257.1	225.2	265.2
56	185.0	153.4	193.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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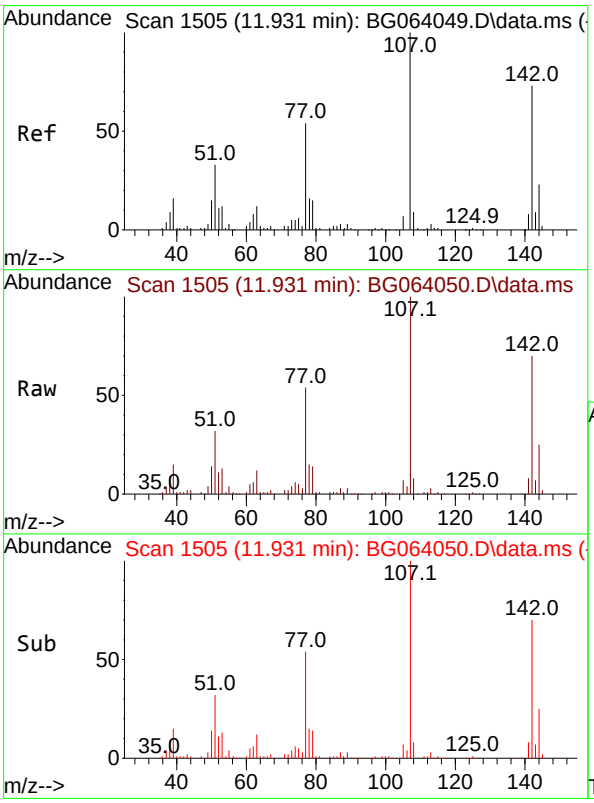
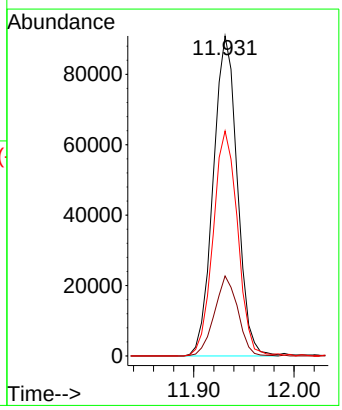
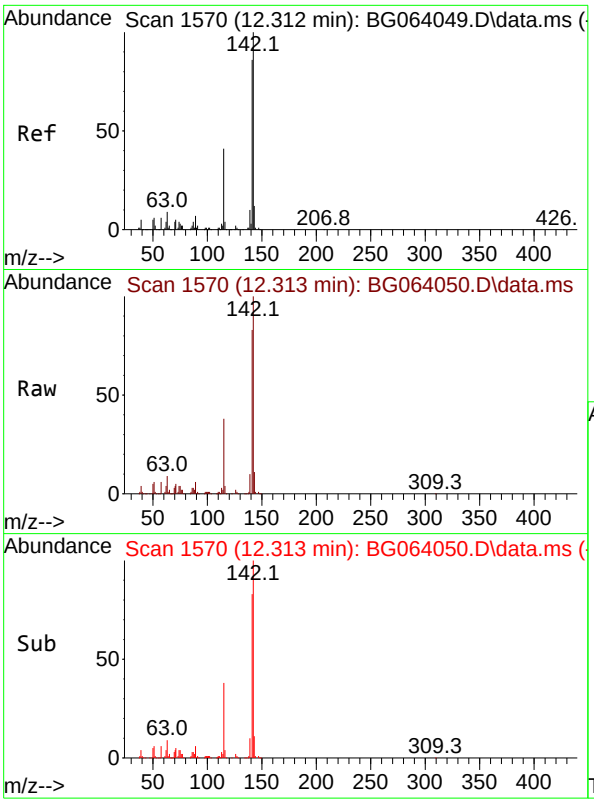


#36
4-Chloro-3-methylphenol
Concen: 51.905 ng
RT: 11.931 min Scan# 1505
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:107 Resp: 151419

Ion	Ratio	Lower	Upper
107	100		
144	25.0	18.6	28.0
142	70.3	58.0	87.0

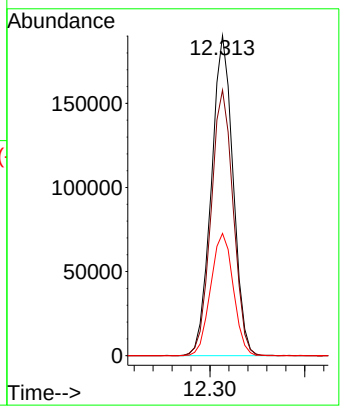




#37
2-Methylnaphthalene
Concen: 48.994 ng
RT: 12.313 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:142 Resp: 30274

Ion	Ratio	Lower	Upper
142	100		
141	83.0	68.6	103.0
115	38.2	32.8	49.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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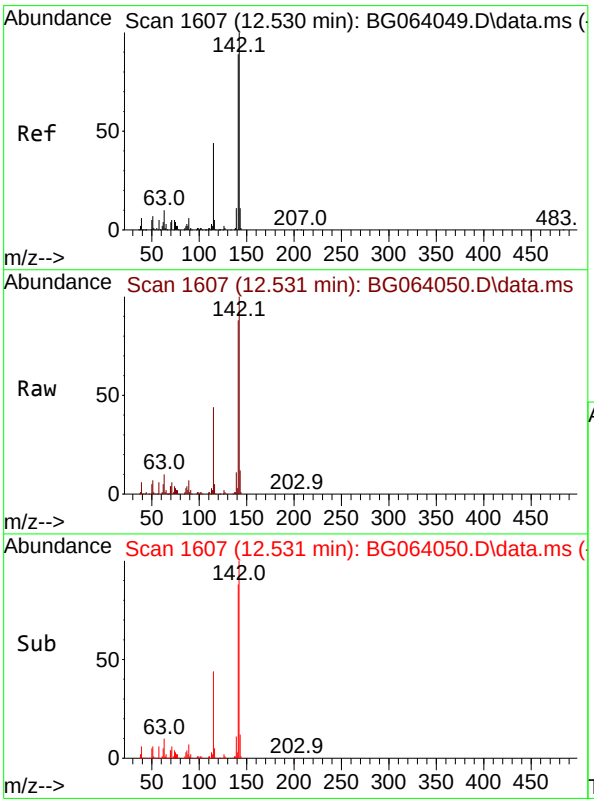
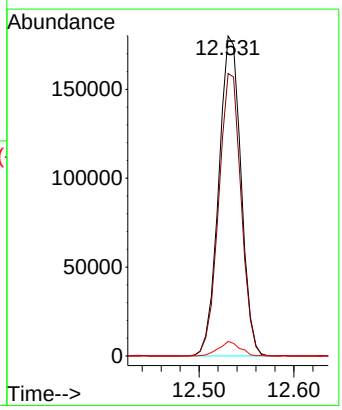
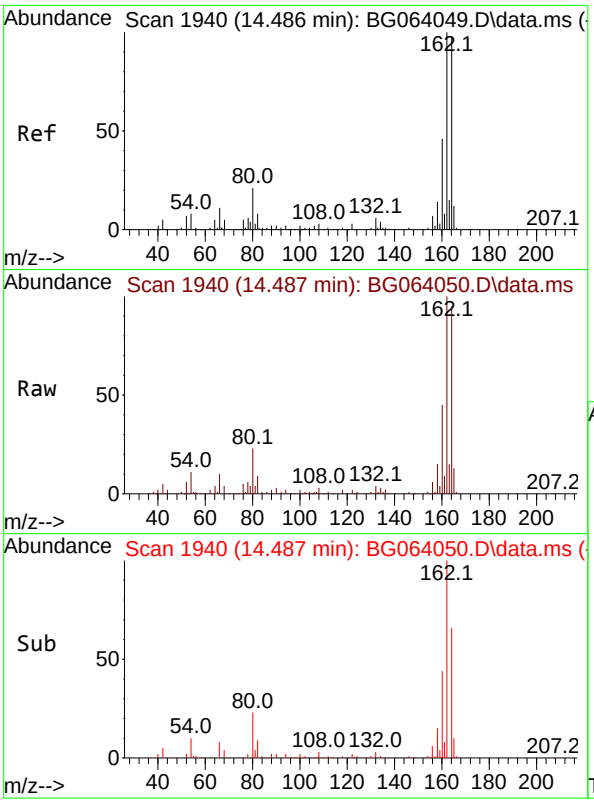


#38
1-Methylnaphthalene
Concen: 48.517 ng
RT: 12.531 min Scan# 1607
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:142 Resp: 293710

Ion	Ratio	Lower	Upper
142	100		
141	88.3	71.2	106.8
116	4.6	3.6	5.4

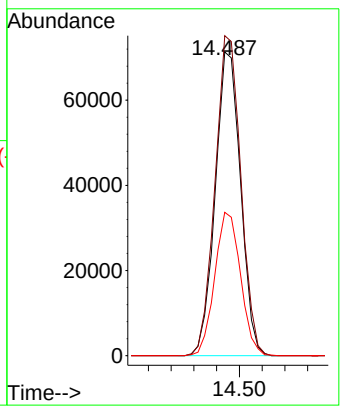




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.487 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:164 Resp: 11052

Ion	Ratio	Lower	Upper
164	100		
162	105.3	81.4	122.0
160	47.2	37.0	55.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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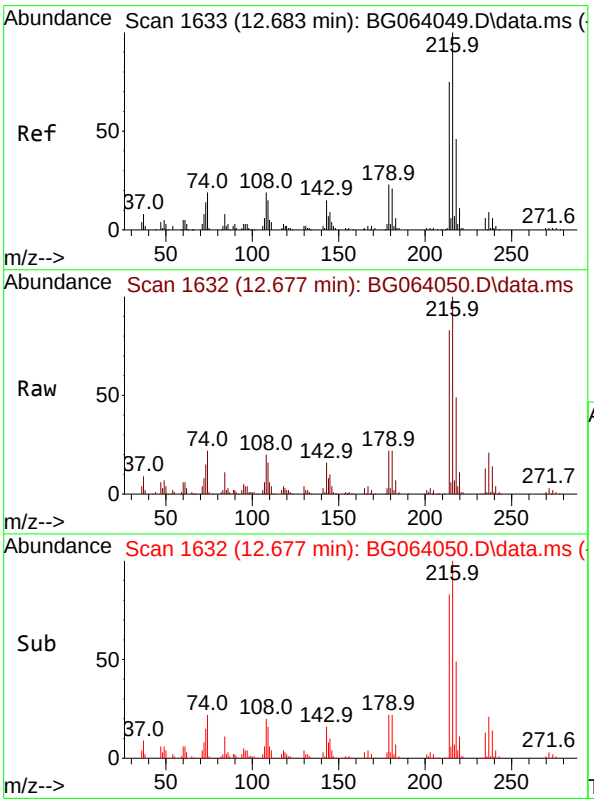
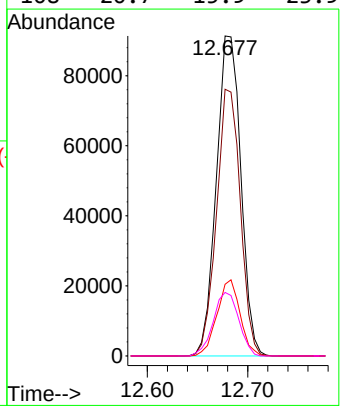
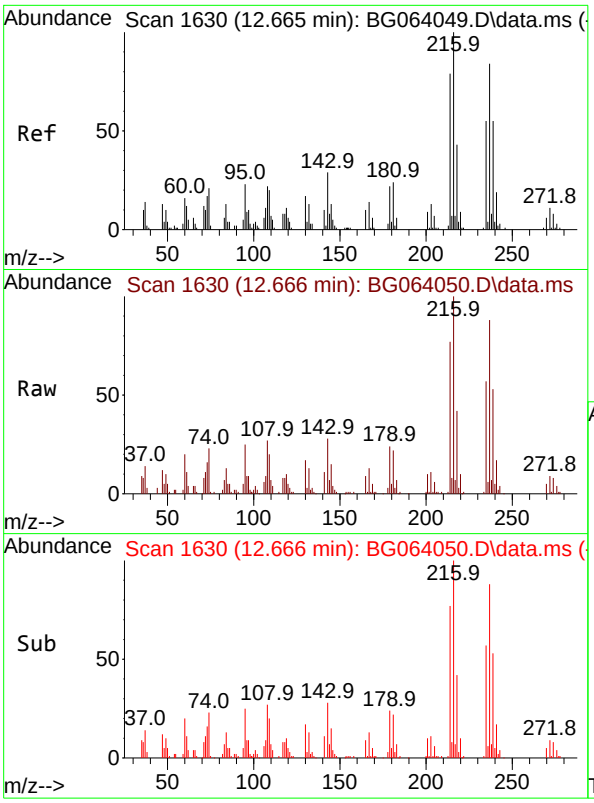


#40
1,2,4,5-Tetrachlorobenzene
Concen: 49.068 ng
RT: 12.677 min Scan# 1632
Delta R.T. -0.005 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:216 Resp: 154824

Ion	Ratio	Lower	Upper
216	100		
214	80.9	61.7	92.5
179	22.4	17.9	26.9
108	20.7	15.9	23.9

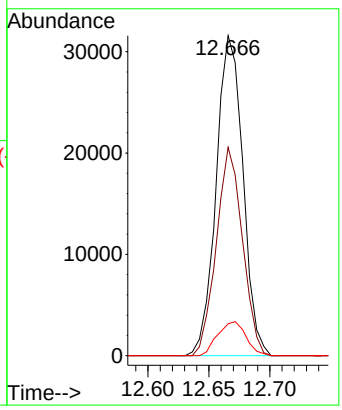




#41
Hexachlorocyclopentadiene
Concen: 54.295 ng
RT: 12.666 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:237 Resp: 4821

Ion	Ratio	Lower	Upper
237	100		
235	65.1	46.0	86.0
272	9.9	0.0	32.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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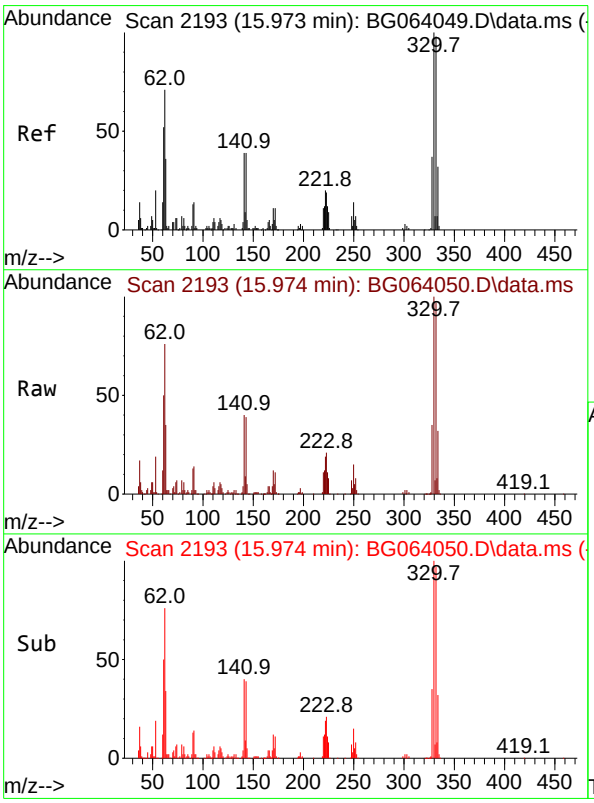
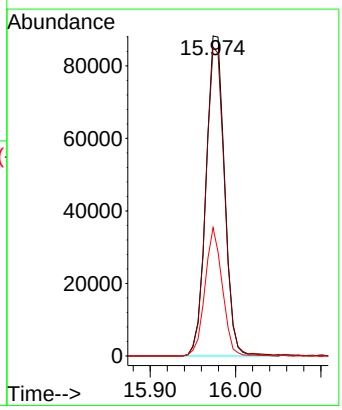
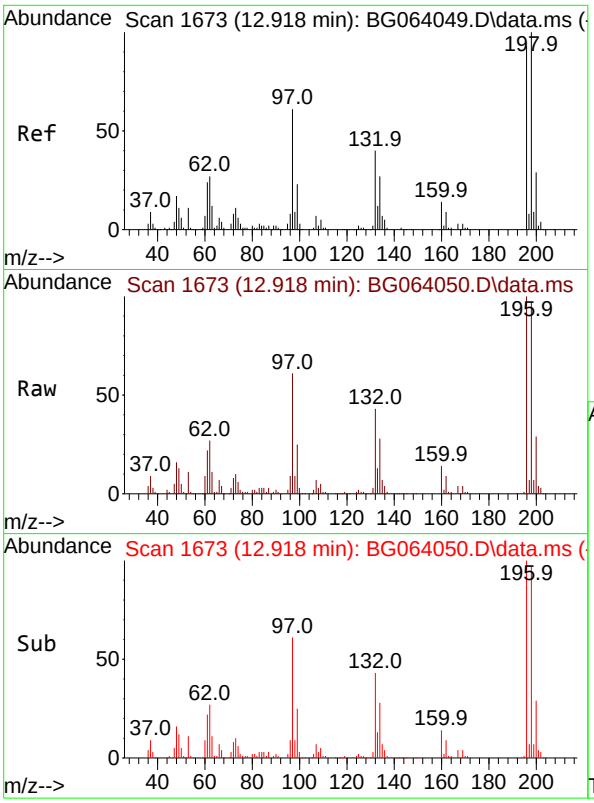


#42
2,4,6-Tribromophenol
Concen: 108.574 ng
RT: 15.974 min Scan# 2193
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:330 Resp: 133386

Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.7	115.1
141	37.4	29.7	44.5

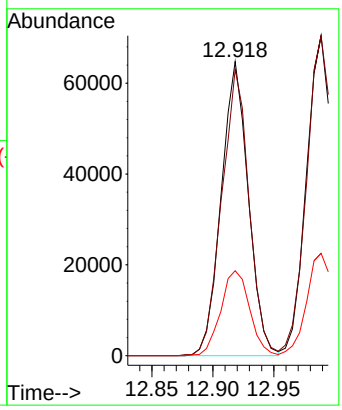




#43
2,4,6-Trichlorophenol
Concen: 53.786 ng
RT: 12.918 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:196 Resp: 10002

Ion	Ratio	Lower	Upper
196	100		
198	97.3	85.6	128.4
200	28.9	24.6	37.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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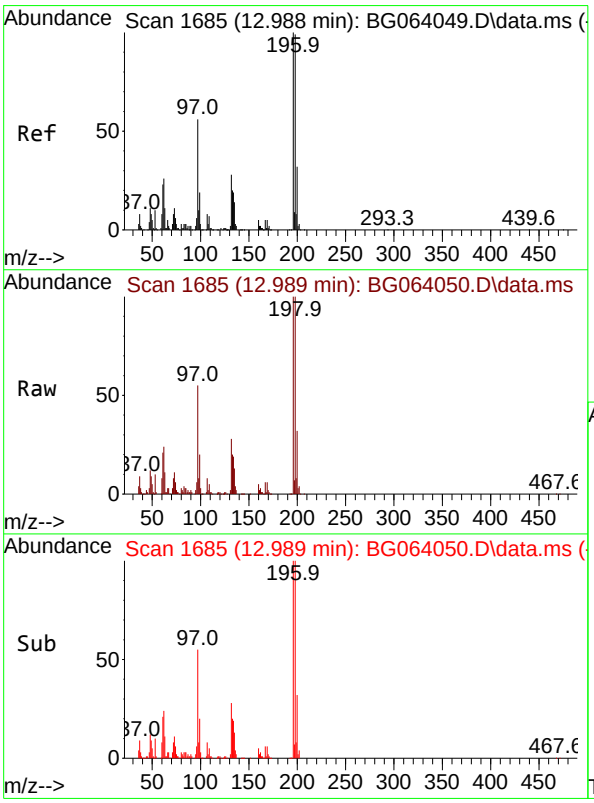
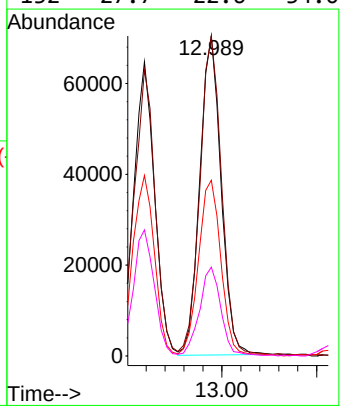
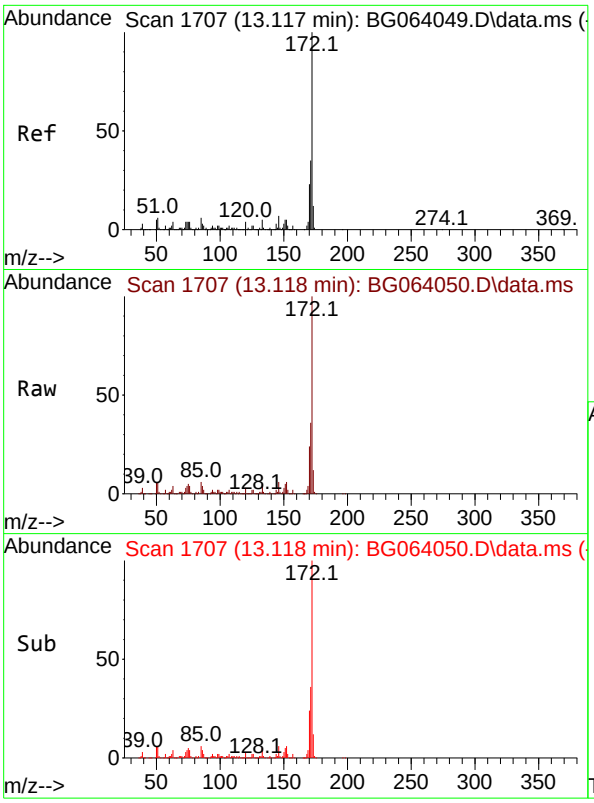


#44
2,4,5-Trichlorophenol
Concen: 52.900 ng
RT: 12.989 min Scan# 1685
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:196 Resp: 109309

Ion	Ratio	Lower	Upper
196	100		
198	99.9	79.5	119.3
97	54.9	45.2	67.8
132	27.7	22.6	34.0

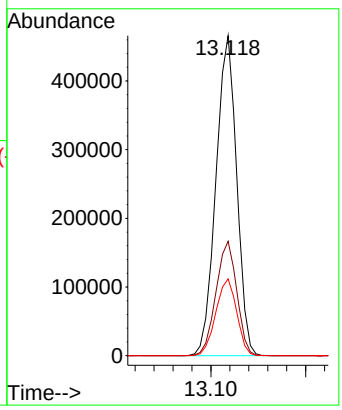




#45
2-Fluorobiphenyl
Concen: 97.354 ng
RT: 13.118 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:172 Resp: 70886

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.0	42.0
170	24.0	18.7	28.1



Instrument :
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ClientSampleId :
SSTDICC050

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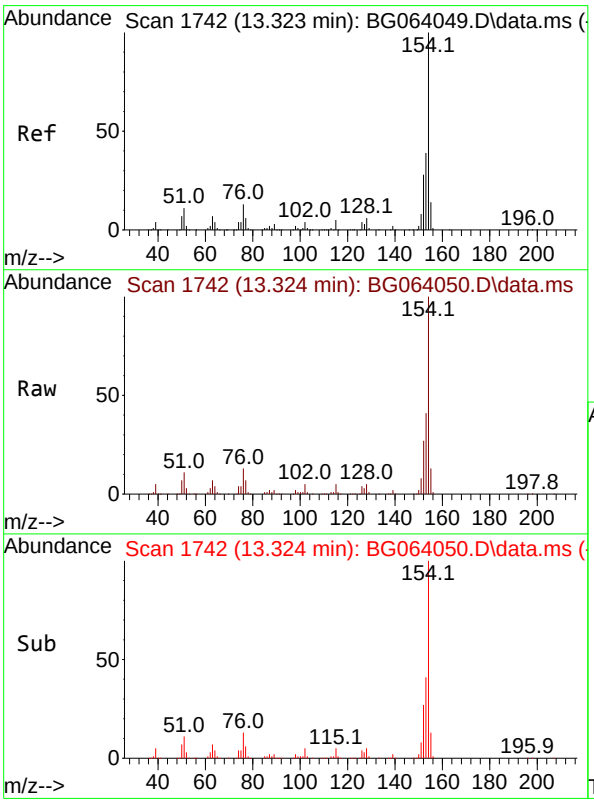
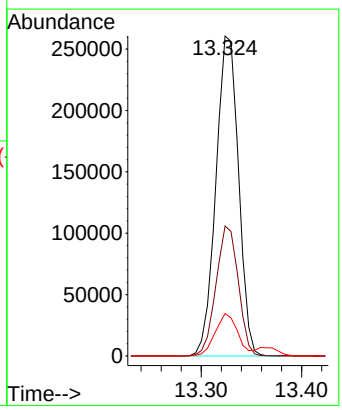
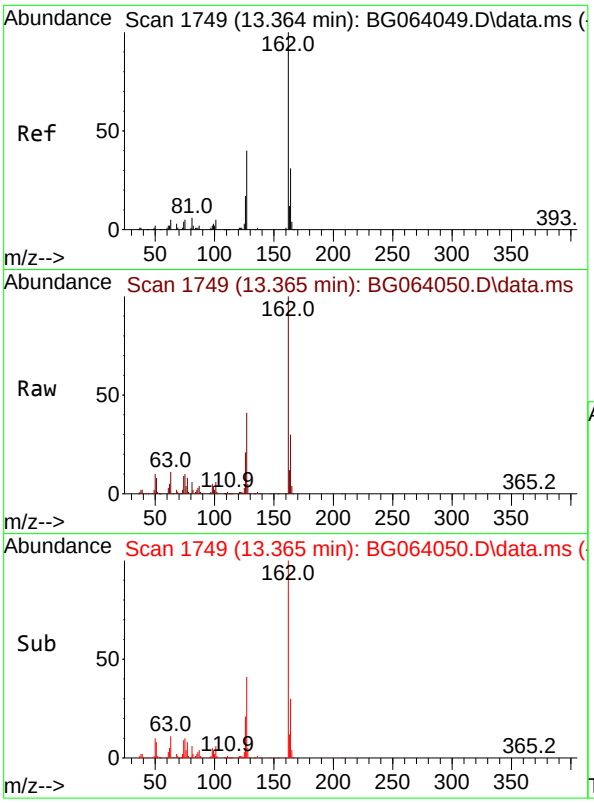


#46
1,1'-Biphenyl
Concen: 48.802 ng
RT: 13.324 min Scan# 1742
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:154 Resp: 407499

Ion	Ratio	Lower	Upper
154	100		
153	40.6	19.5	59.5
76	13.2	0.0	33.5

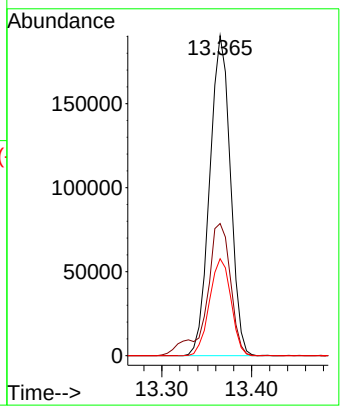




#47
2-Chloronaphthalene
Concen: 49.991 ng
RT: 13.365 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:162 Resp: 30444

Ion	Ratio	Lower	Upper
162	100		
127	41.3	35.0	52.4
164	30.3	25.0	37.6



Instrument :
BNA_G
ClientSampleId :
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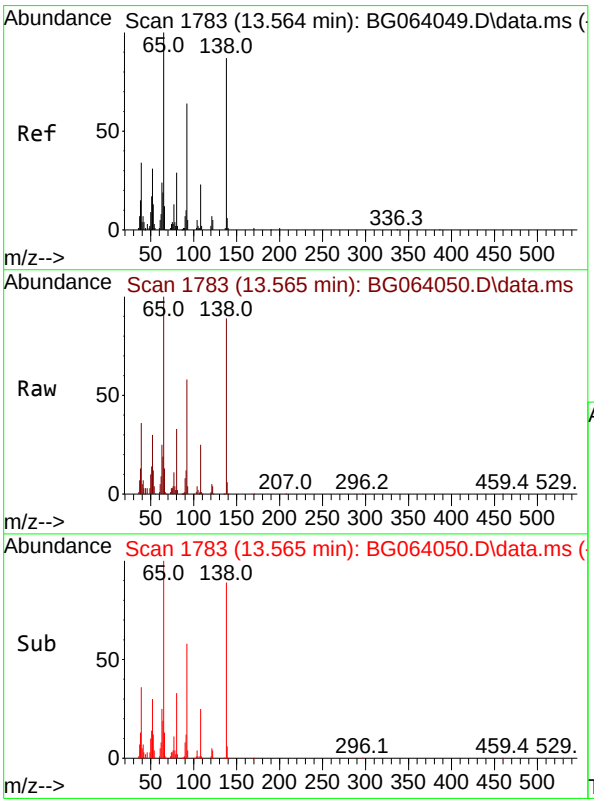
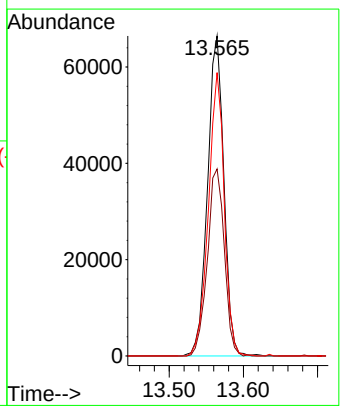
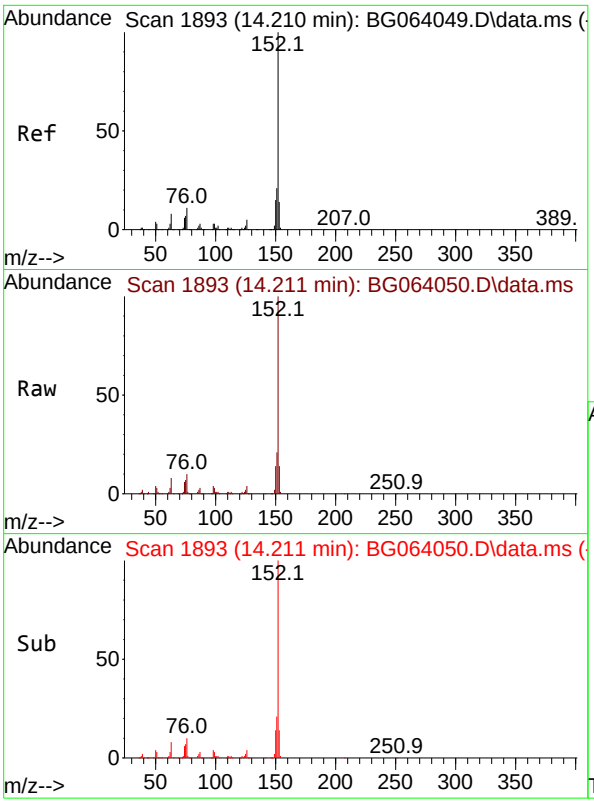


#48
2-Nitroaniline
Concen: 49.852 ng
RT: 13.565 min Scan# 1783
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion: 65 Resp: 101610

Ion	Ratio	Lower	Upper
65	100		
92	58.4	51.2	76.8
138	88.5	69.4	104.2

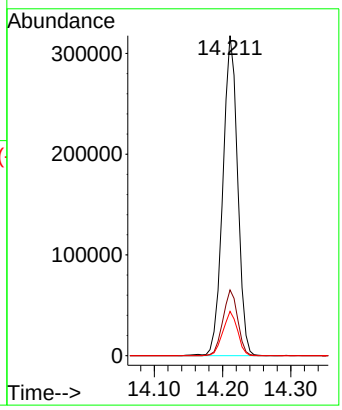




#49
Acenaphthylene
Concen: 49.779 ng
RT: 14.211 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:152 Resp: 47949

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.4	24.6
153	13.8	10.9	16.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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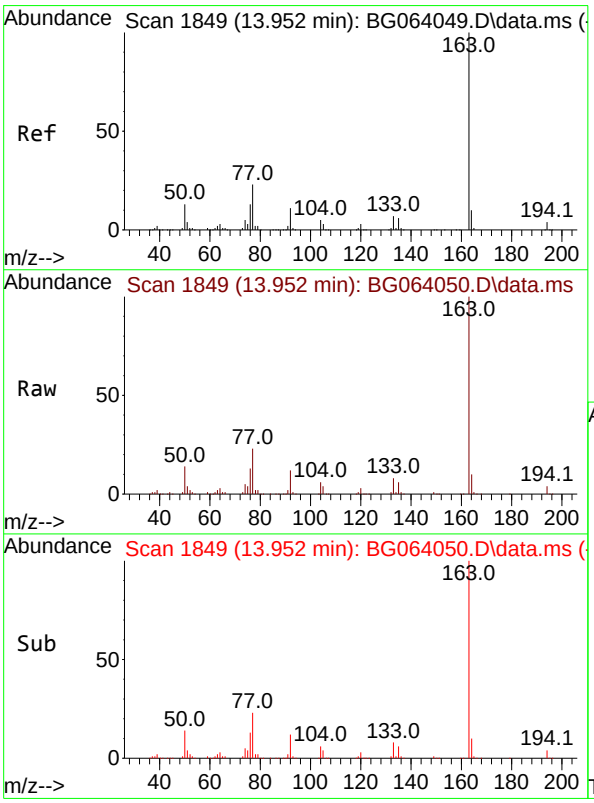
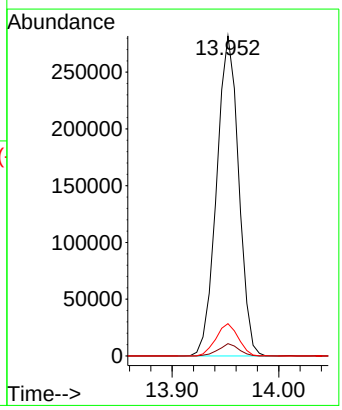
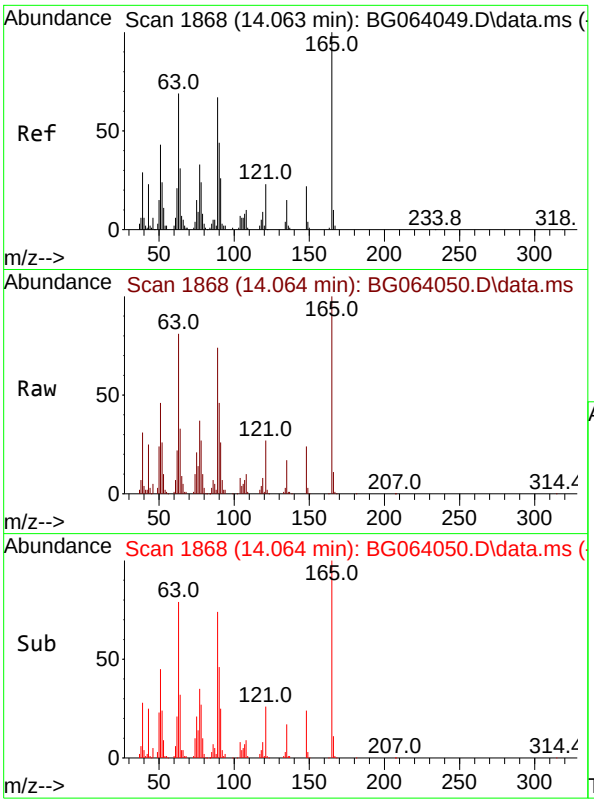


#50
Dimethylphthalate
Concen: 49.555 ng
RT: 13.952 min Scan# 1849
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:163 Resp: 404288

Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.8	4.2
164	10.1	8.2	12.2

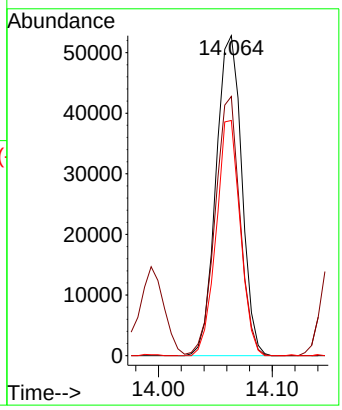




#51
2,6-Dinitrotoluene
Concen: 49.957 ng
RT: 14.064 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:165 Resp: 8292

Ion	Ratio	Lower	Upper
165	100		
63	81.0	56.7	85.1
89	73.5	53.7	80.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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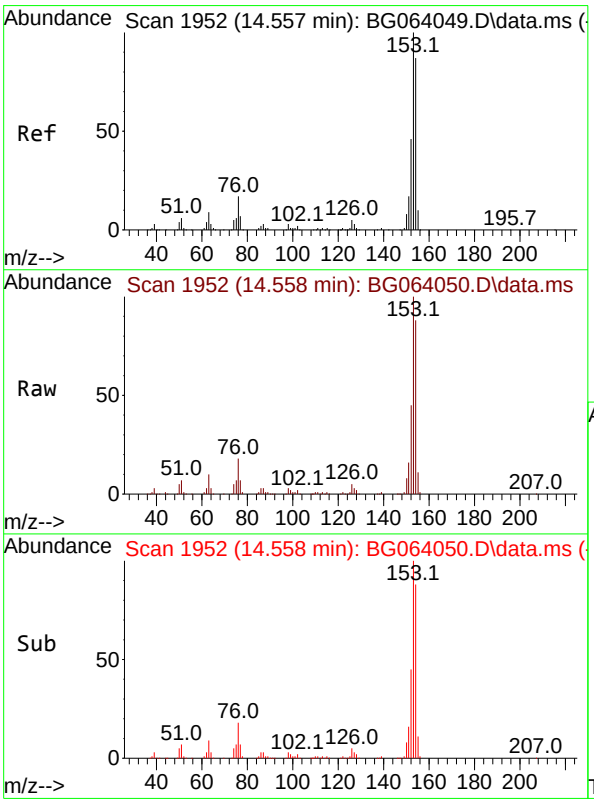
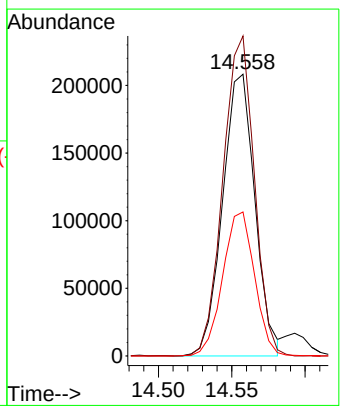
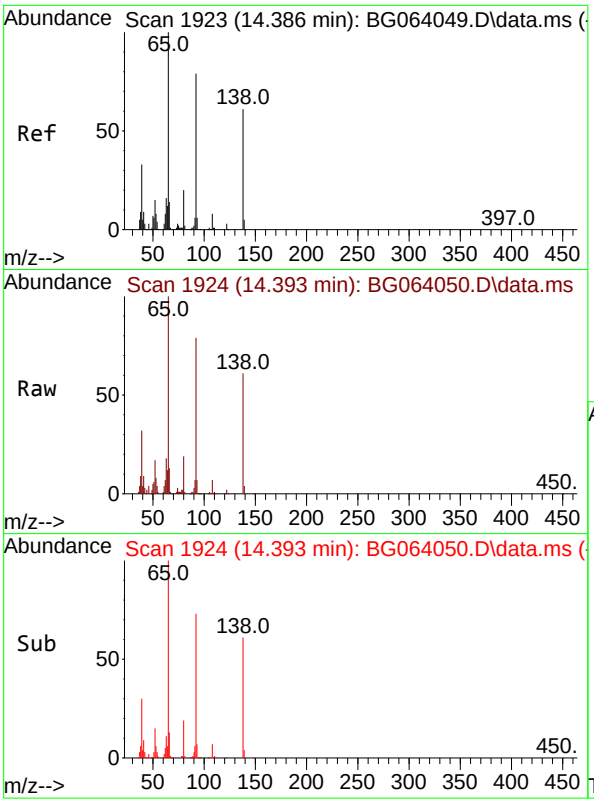


#52
Acenaphthene
Concen: 49.442 ng m
RT: 14.558 min Scan# 1952
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:154 Resp: 320276

Ion	Ratio	Lower	Upper
154	100		
153	113.5	91.6	137.4
152	51.1	42.5	63.7





#53
3-Nitroaniline
Concen: 54.830 ng
RT: 14.393 min Scan# 1
Delta R.T. 0.007 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:138 Resp: 8645

Ion	Ratio	Lower	Upper
138	100		
108	11.7	10.1	15.1
92	130.4	104.1	156.1

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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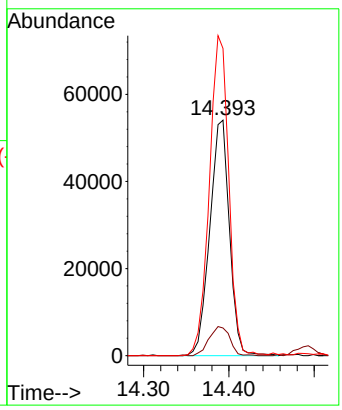
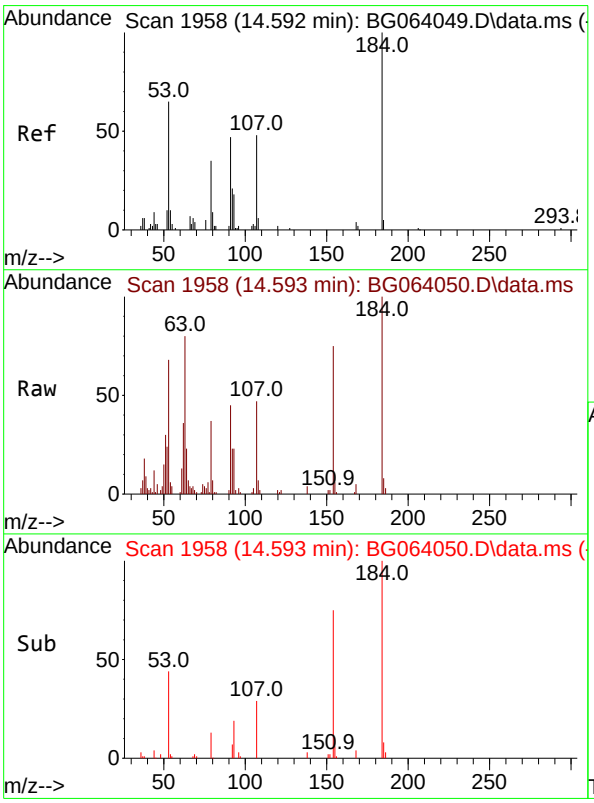
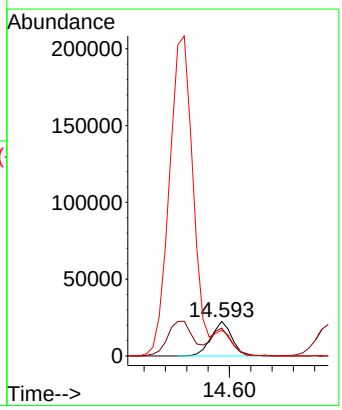


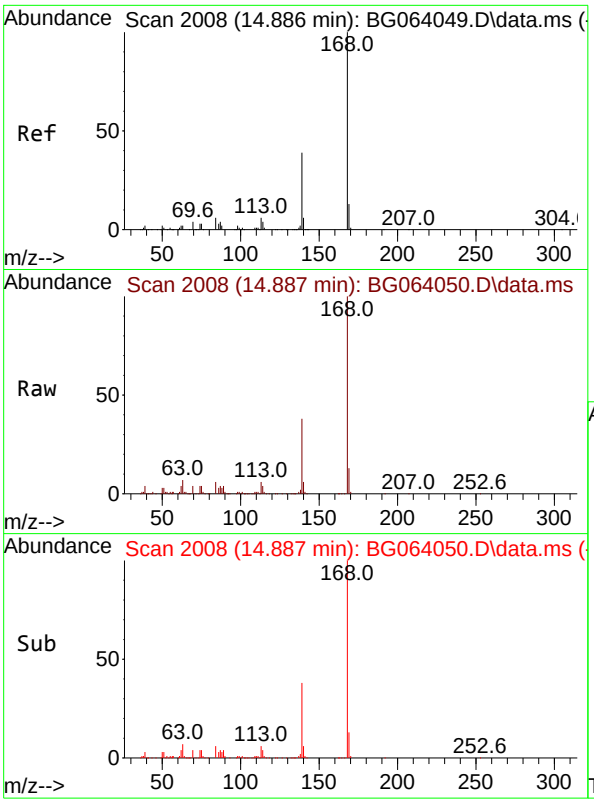


#54
2,4-Dinitrophenol
Concen: 48.003 ng
RT: 14.593 min Scan# 1958
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:184 Resp: 30713

Ion	Ratio	Lower	Upper
184	100		
63	80.4	57.5	86.3
154	74.7	52.3	78.5

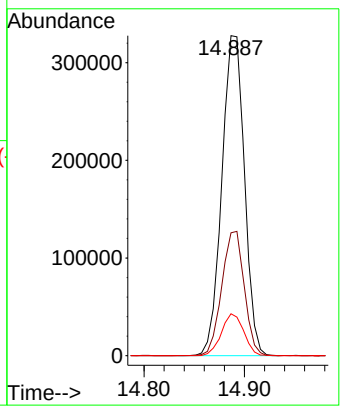




#55
Dibenzofuran
Concen: 48.883 ng
RT: 14.887 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:168 Resp: 51192

Ion	Ratio	Lower	Upper
168	100		
139	38.4	31.1	46.7
169	13.1	10.5	15.7



Instrument :
BNA_G
ClientSampleId :
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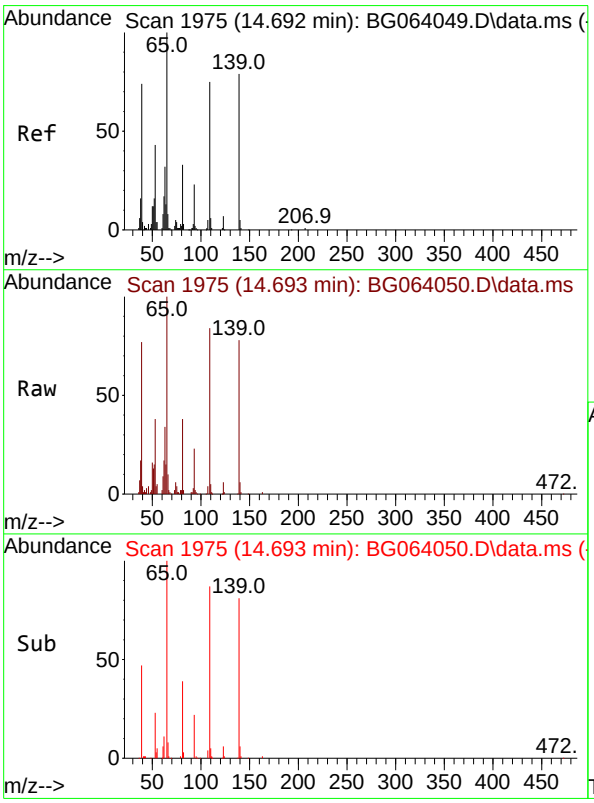
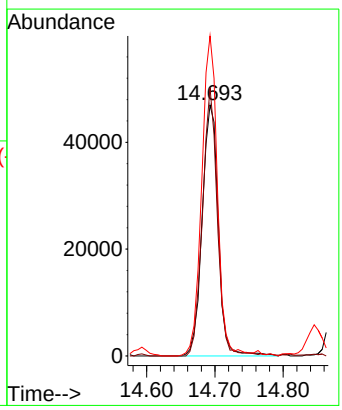
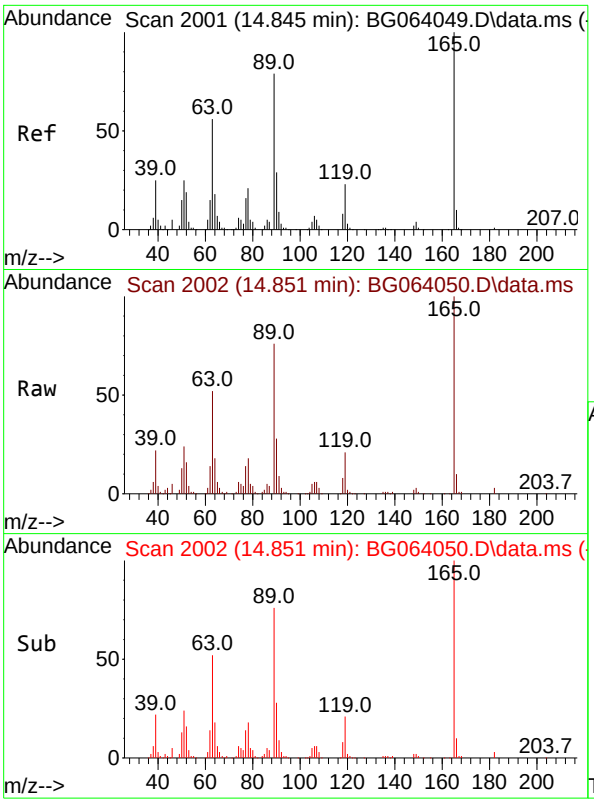


#56
4-Nitrophenol
Concen: 58.485 ng
RT: 14.693 min Scan# 1975
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:139 Resp: 77342

Ion	Ratio	Lower	Upper
139	100		
109	106.8	74.9	114.9
65	127.5	106.8	146.8

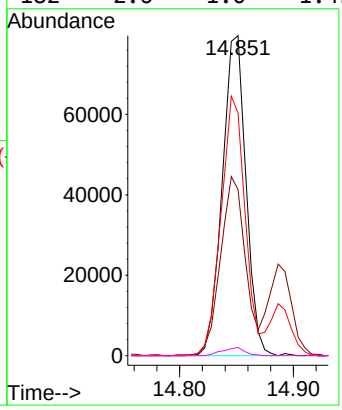




#57
2,4-Dinitrotoluene
Concen: 50.361 ng
RT: 14.851 min Scan# 2
Delta R.T. 0.006 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:165 Resp: 11545

Ion	Ratio	Lower	Upper
165	100		
63	51.9	45.0	67.6
89	75.8	63.1	94.7
182	2.6	1.0	1.4#



Instrument :
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ClientSampleId :
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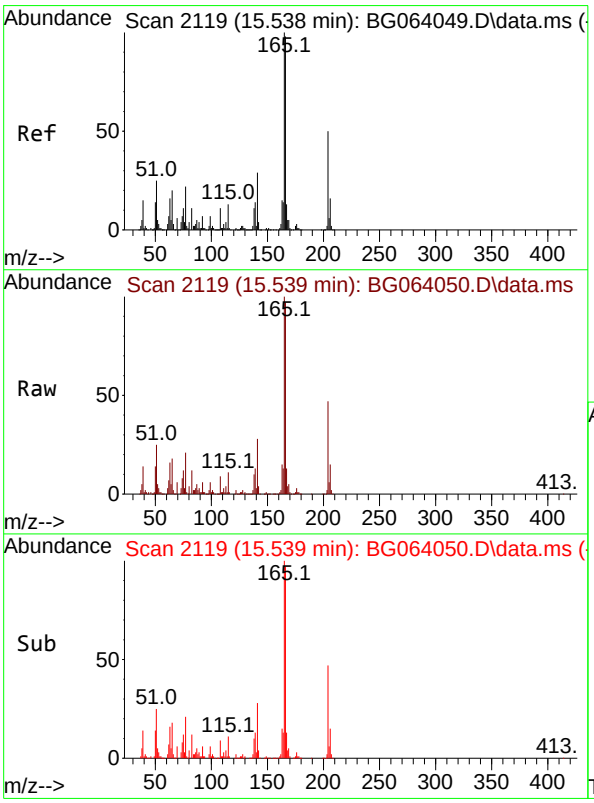
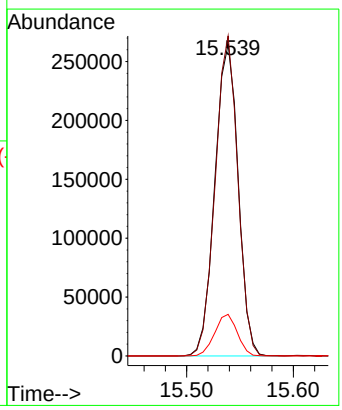
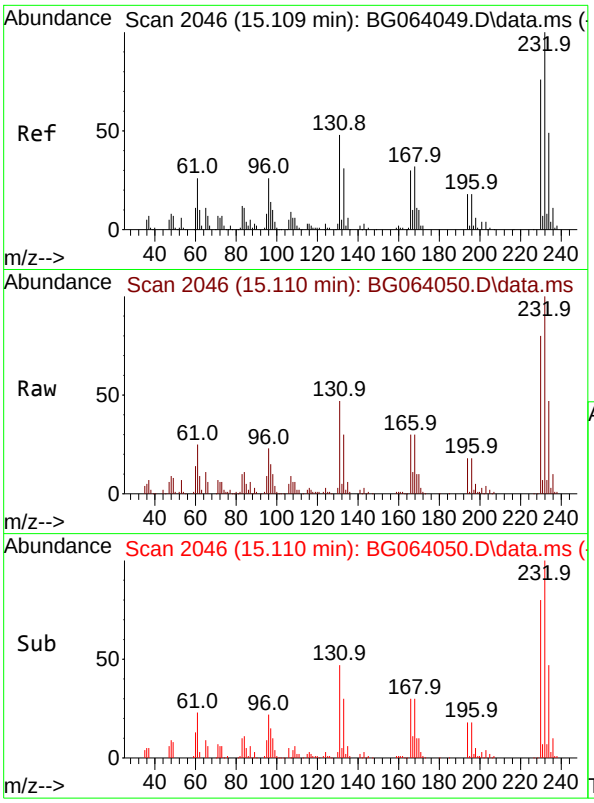


#58
Fluorene
Concen: 49.182 ng
RT: 15.539 min Scan# 2119
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:166 Resp: 401156

Ion	Ratio	Lower	Upper
166	100		
165	102.7	81.8	122.8
167	13.4	10.8	16.2

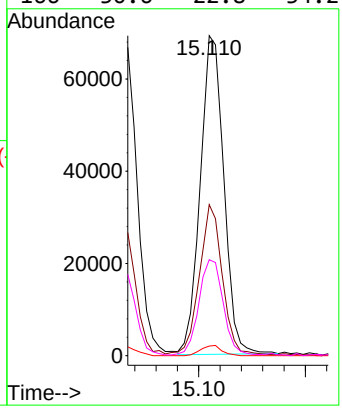




#59
2,3,4,6-Tetrachlorophenol
Concen: 52.772 ng
RT: 15.110 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:232 Resp: 10630

Ion	Ratio	Lower	Upper
232	100		
131	45.8	36.3	54.5
130	2.9	1.9	2.9
166	30.6	22.8	34.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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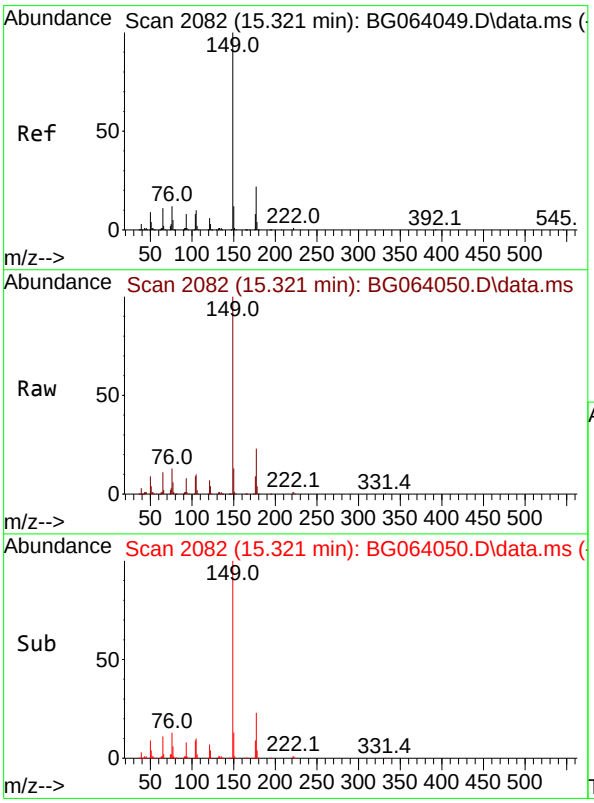
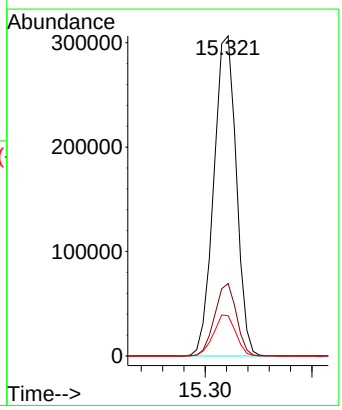
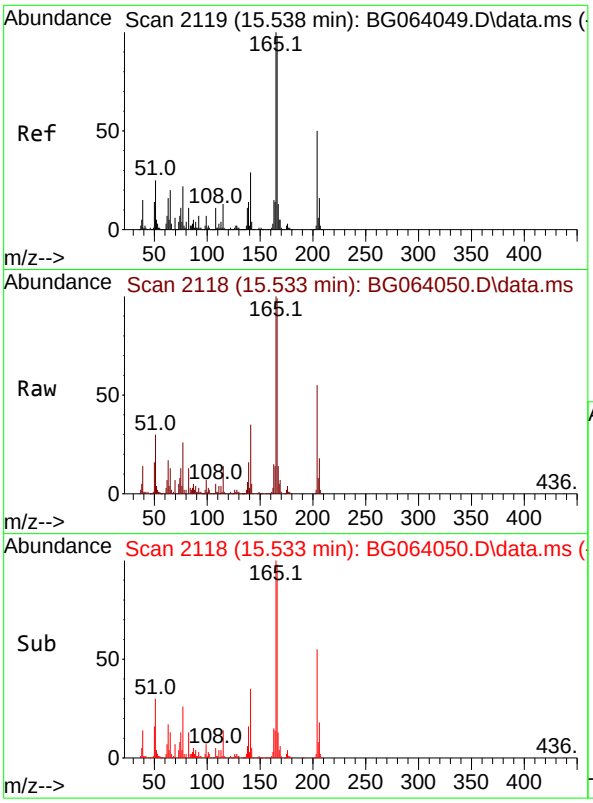


#60
Diethylphthalate
Concen: 50.673 ng
RT: 15.321 min Scan# 2082
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:149 Resp: 448796

Ion	Ratio	Lower	Upper
149	100		
177	22.6	17.4	26.2
150	12.6	9.4	14.2

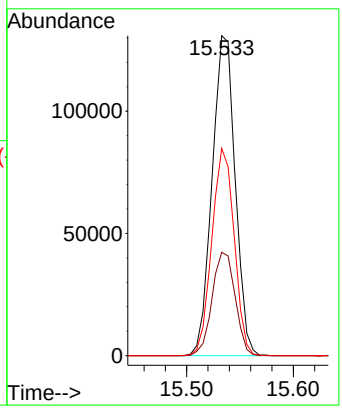




#61
4-Chlorophenyl-phenylether
Concen: 48.525 ng
RT: 15.533 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:204 Resp: 19668

Ion	Ratio	Lower	Upper
204	100		
206	32.3	25.5	38.3
141	64.7	45.4	68.0



Instrument :
BNA_G
ClientSampleId :
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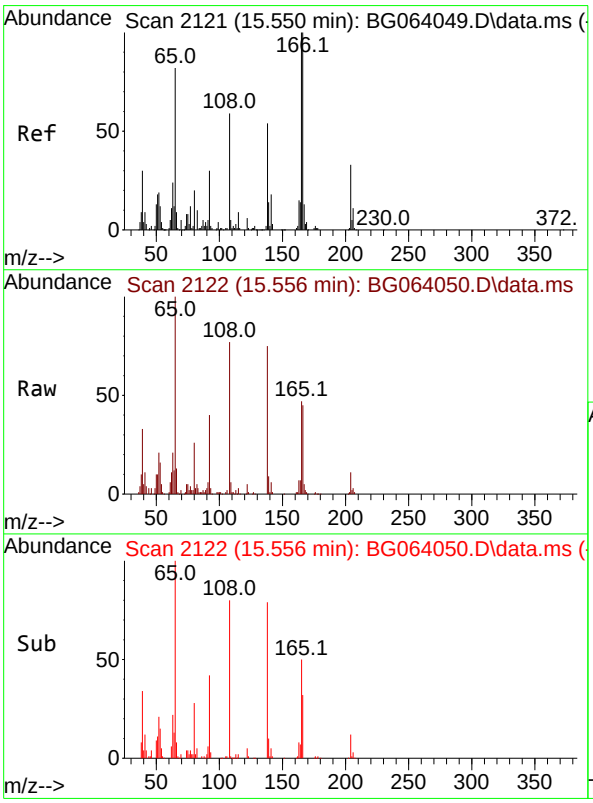
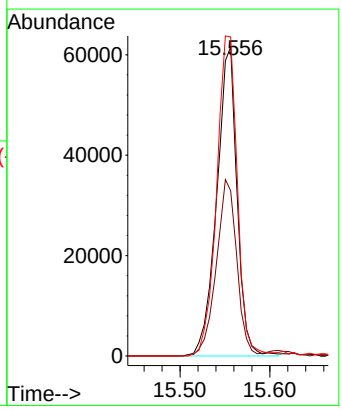
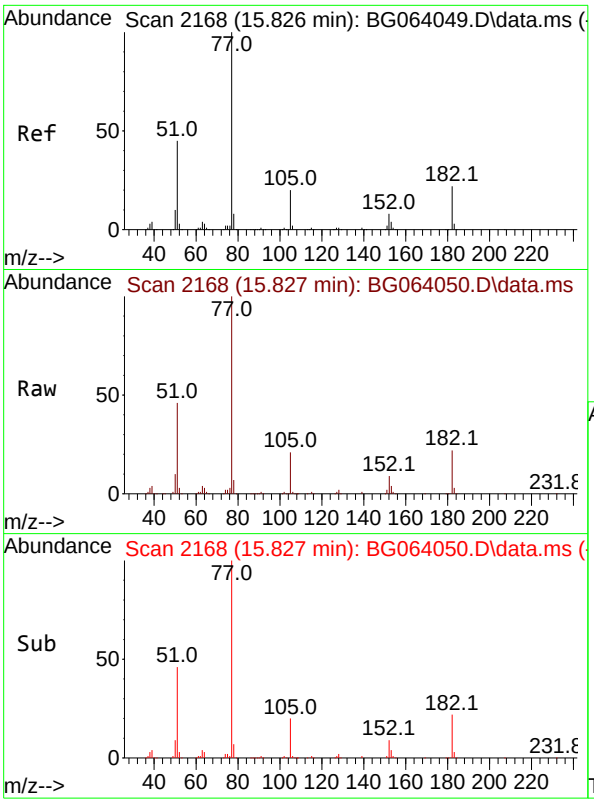


#62
4-Nitroaniline
Concen: 56.899 ng
RT: 15.556 min Scan# 2122
Delta R.T. 0.007 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:138 Resp: 96864

Ion	Ratio	Lower	Upper
138	100		
92	53.5	36.1	76.1
108	103.2	87.9	127.9

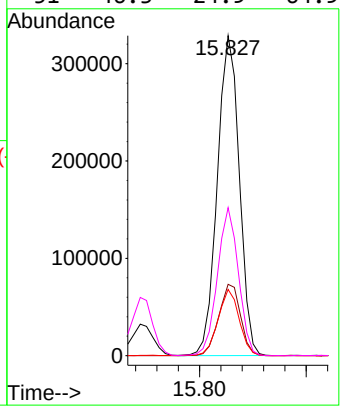




#63
Azobenzene
Concen: 49.712 ng
RT: 15.827 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion: 77 Resp: 46983

Ion	Ratio	Lower	Upper
77	100		
182	22.3	2.4	42.4
105	20.7	0.0	40.0
51	46.3	24.9	64.9



Instrument :
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ClientSampleId :
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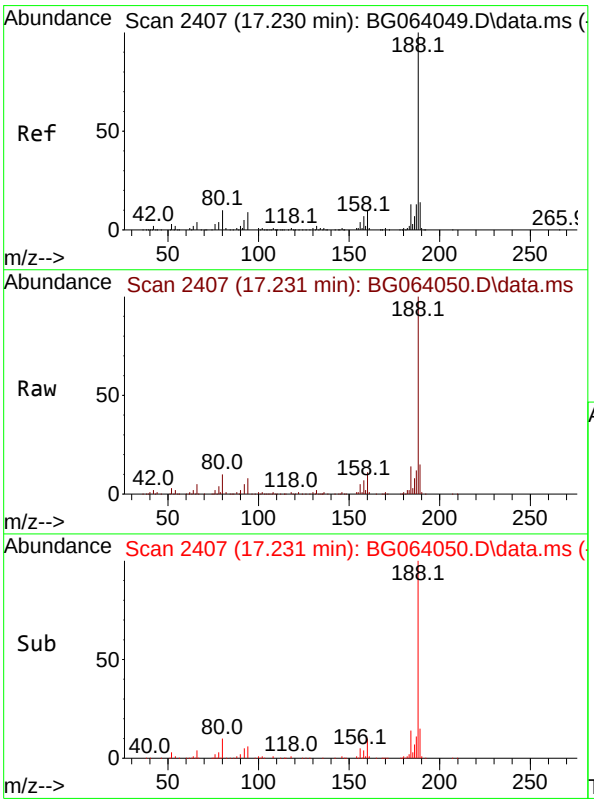
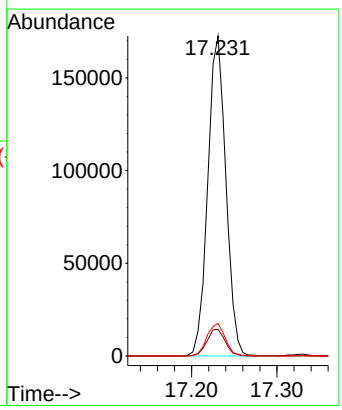
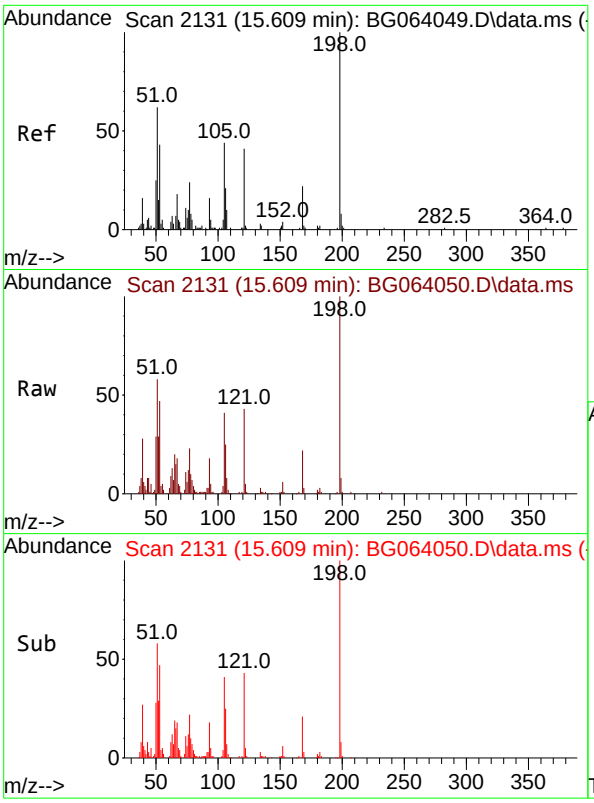


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.231 min Scan# 2407
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:188 Resp: 254221

Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.9	10.3
80	10.1	8.1	12.1





#65
4,6-Dinitro-2-methylphenol
Concen: 47.566 ng
RT: 15.609 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:198 Resp: 5214

Ion	Ratio	Lower	Upper
198	100		
51	58.5	45.6	85.6
105	40.9	25.3	65.3

Instrument :
BNA_G
ClientSampleId :
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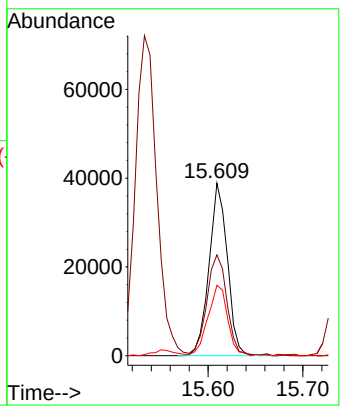
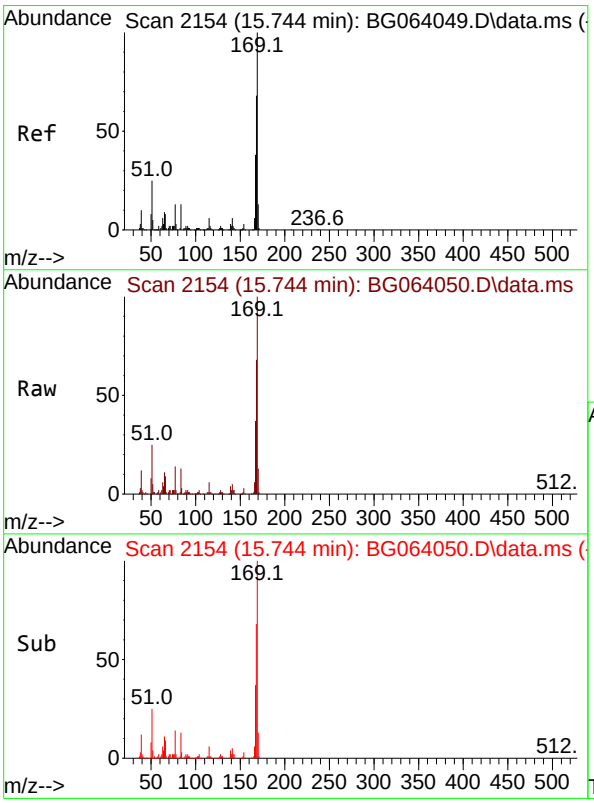
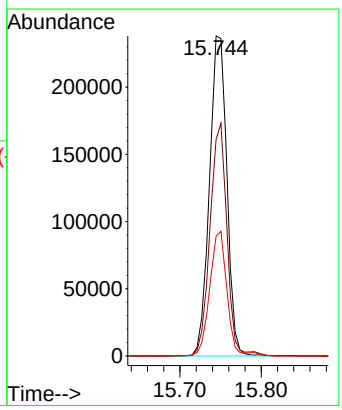


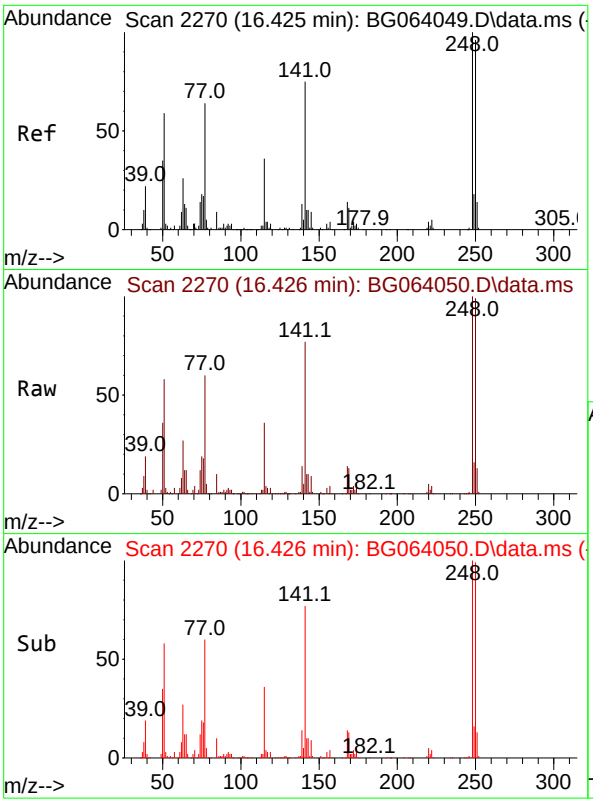


#66
n-Nitrosodiphenylamine
Concen: 49.240 ng
RT: 15.744 min Scan# 2154
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:169 Resp: 354329

Ion	Ratio	Lower	Upper
169	100		
168	67.8	54.1	81.1
167	37.4	30.3	45.5

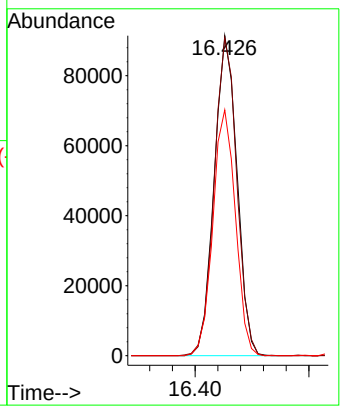




#67
4-Bromophenyl-phenylether
Concen: 48.903 ng
RT: 16.426 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:248 Resp: 12732

Ion	Ratio	Lower	Upper
248	100		
250	99.3	77.1	115.7
141	76.8	59.8	89.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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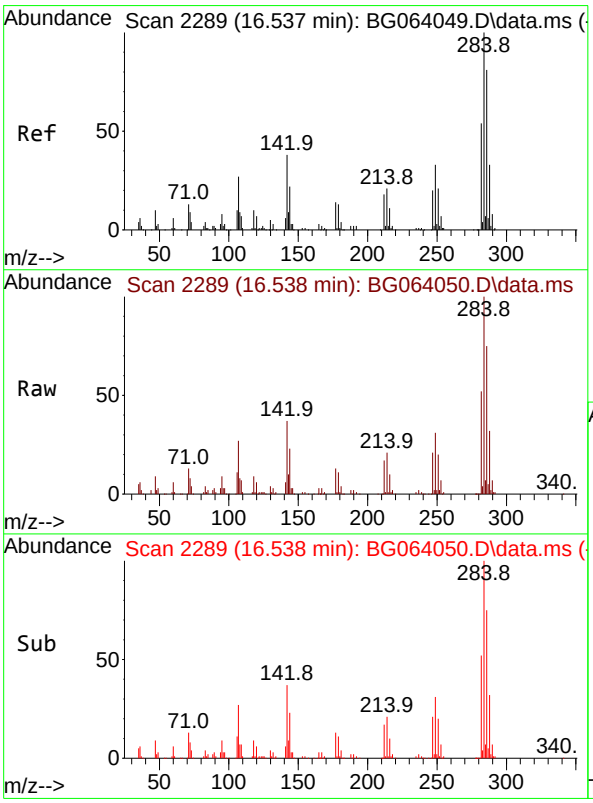
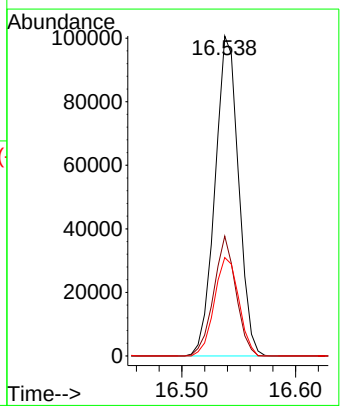
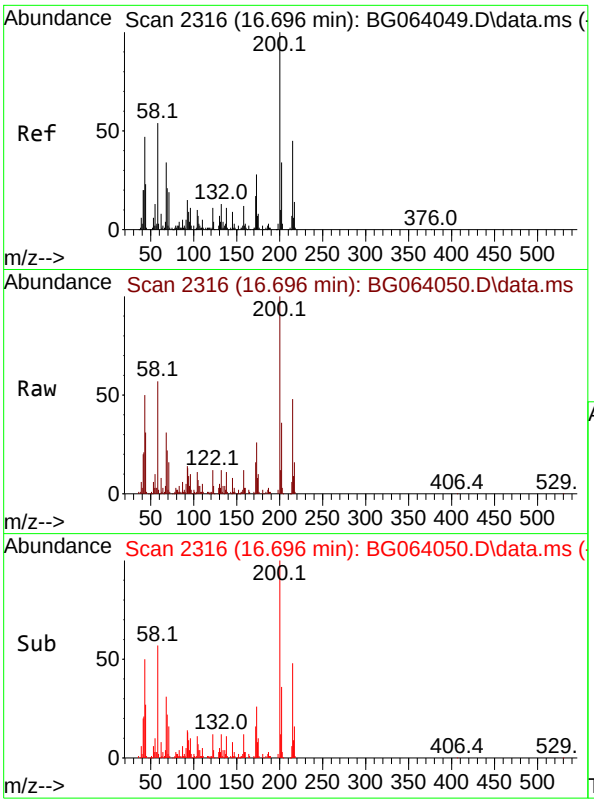


#68
Hexachlorobenzene
Concen: 49.646 ng
RT: 16.538 min Scan# 2289
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:284 Resp: 144717

Ion	Ratio	Lower	Upper
284	100		
142	37.4	30.6	45.8
249	30.7	26.6	39.8





#69
Atrazine
Concen: 38.632 ng
RT: 16.696 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:200 Resp: 8179

Ion	Ratio	Lower	Upper
200	100		
173	26.0	8.2	48.2
215	47.9	25.5	65.5

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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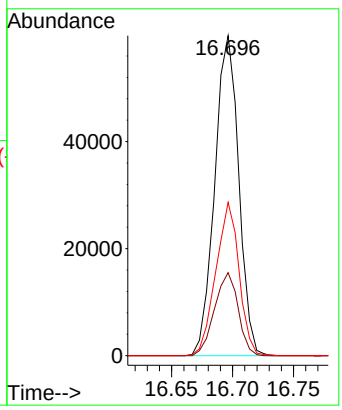
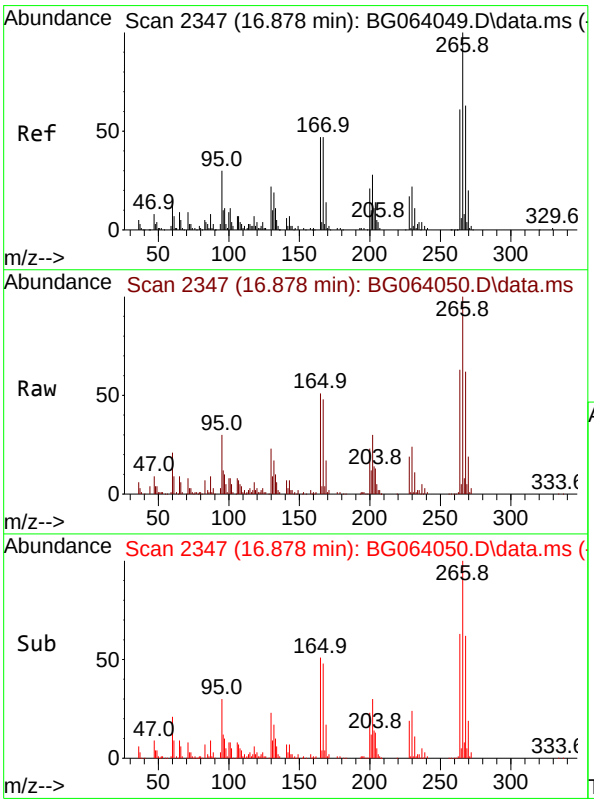
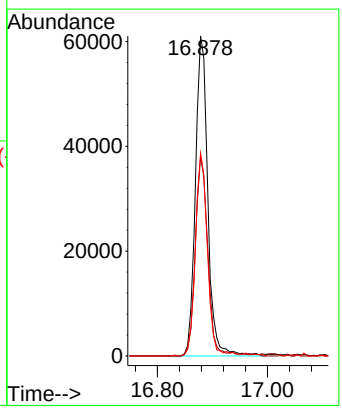


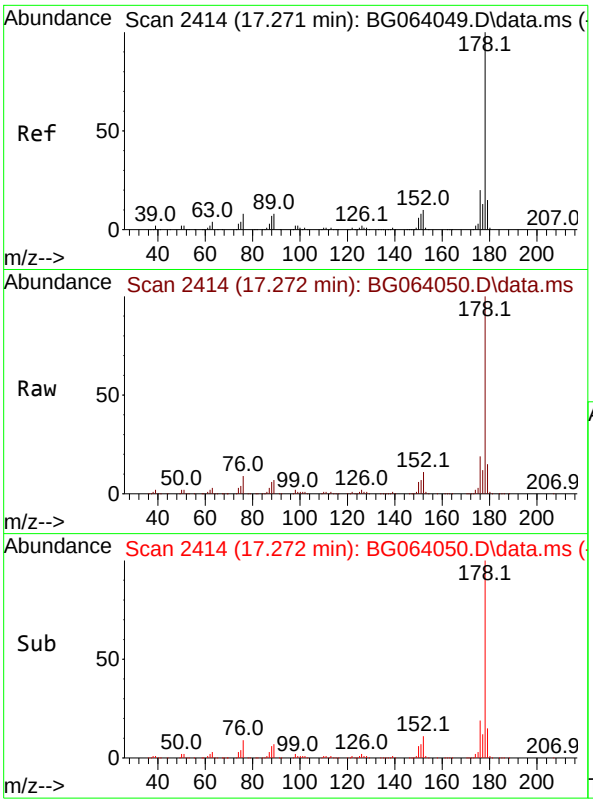


#70
Pentachlorophenol
Concen: 52.943 ng
RT: 16.878 min Scan# 2347
Delta R.T. 0.000 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:266 Resp: 95820

Ion	Ratio	Lower	Upper
266	100		
268	62.2	50.2	75.4
264	63.5	48.9	73.3

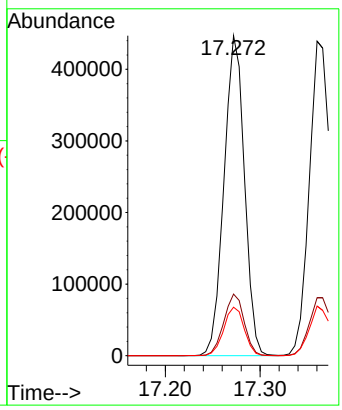




#71
Phenanthrene
Concen: 49.395 ng
RT: 17.272 min Scan# 24
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:178 Resp: 66977

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.9	23.9
179	15.1	12.2	18.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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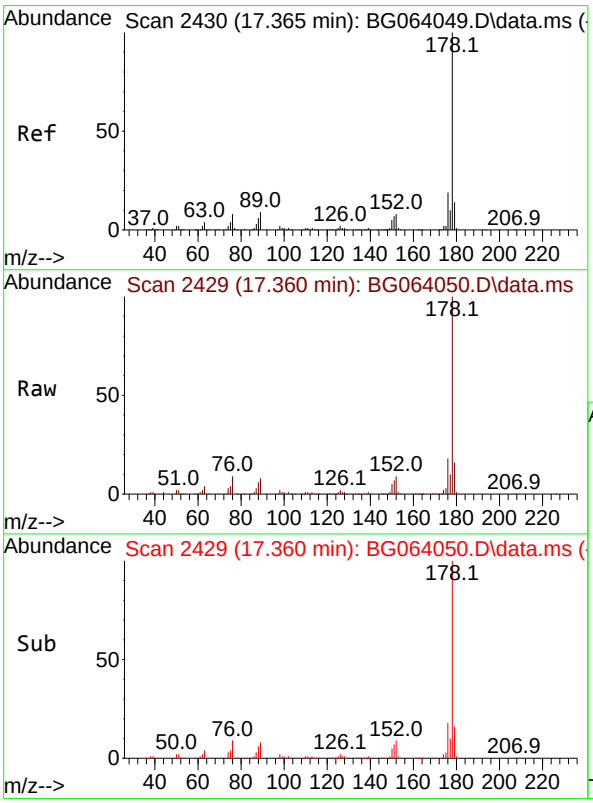
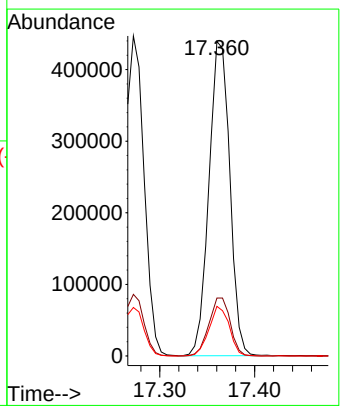
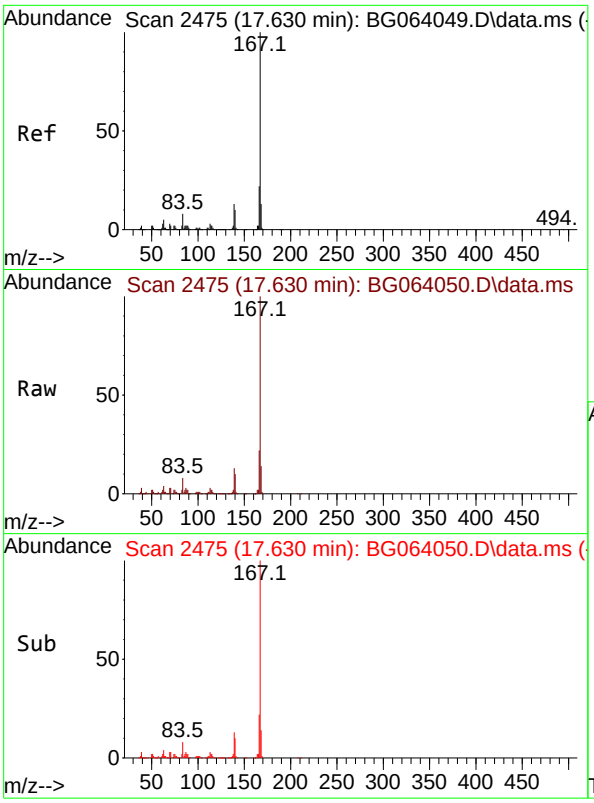


#72
Anthracene
Concen: 49.714 ng
RT: 17.360 min Scan# 2429
Delta R.T. -0.005 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:178 Resp: 670298

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.8	22.2
179	15.8	11.5	17.3

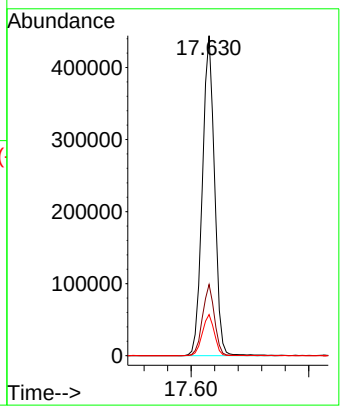




#73
Carbazole
Concen: 50.853 ng
RT: 17.630 min Scan# 24
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:167 Resp: 64016

Ion	Ratio	Lower	Upper
167	100		
166	22.3	18.0	27.0
139	12.9	10.6	15.8



Instrument :
BNA_G
ClientSampleId :
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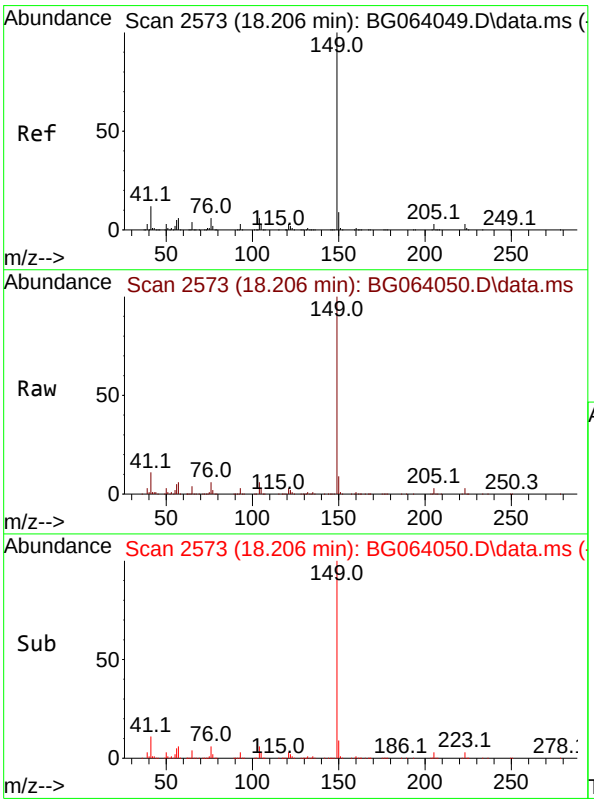
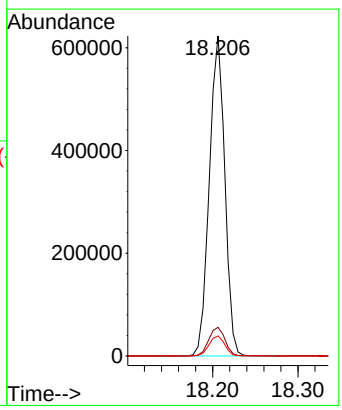
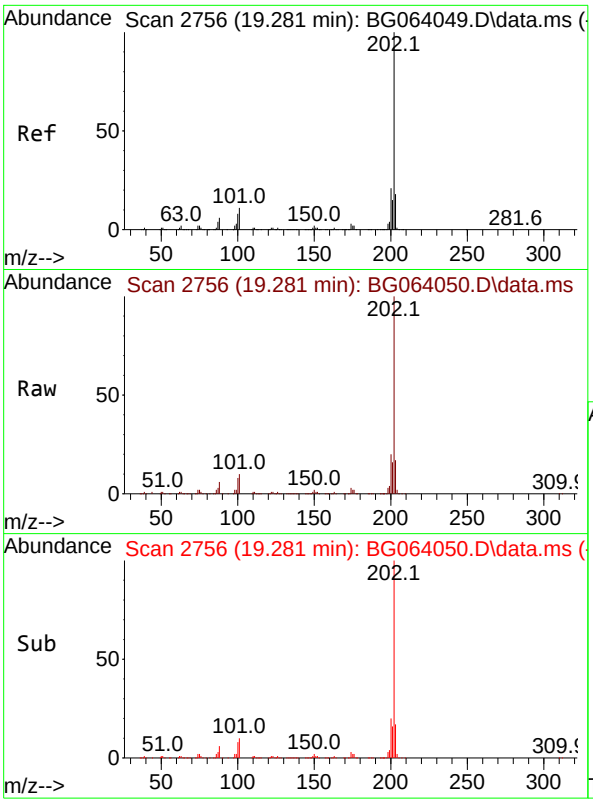


#74
Di-n-butylphthalate
Concen: 53.009 ng
RT: 18.206 min Scan# 2573
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:149 Resp: 785487

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.0
104	6.3	5.0	7.6

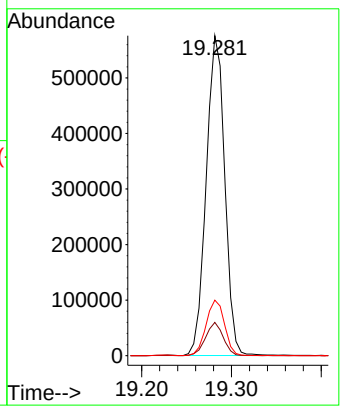




#75
Fluoranthene
Concen: 50.454 ng
RT: 19.281 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:202 Resp: 82476

Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	30.5
203	17.4	0.0	38.3



Instrument :
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ClientSampleId :
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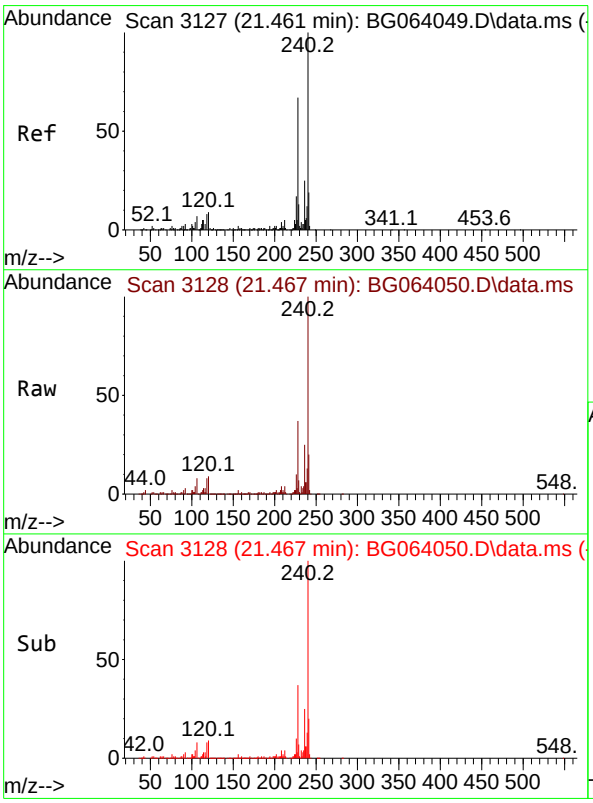
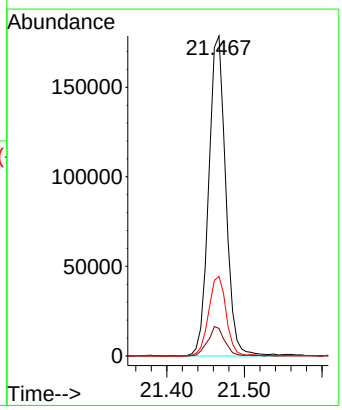
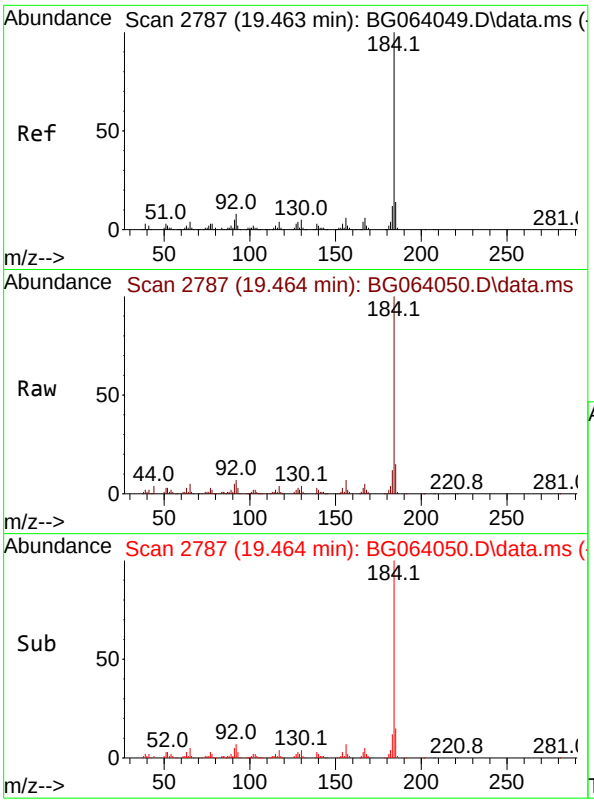


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.467 min Scan# 3128
Delta R.T. 0.007 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:240 Resp: 272579

Ion	Ratio	Lower	Upper
240	100		
120	8.6	7.2	10.8
236	24.8	20.2	30.2

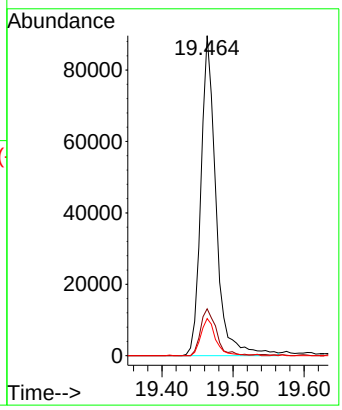




#77
Benzidine
Concen: 34.790 ng
RT: 19.464 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:184 Resp: 13312

Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.3	16.9
183	11.6	9.5	14.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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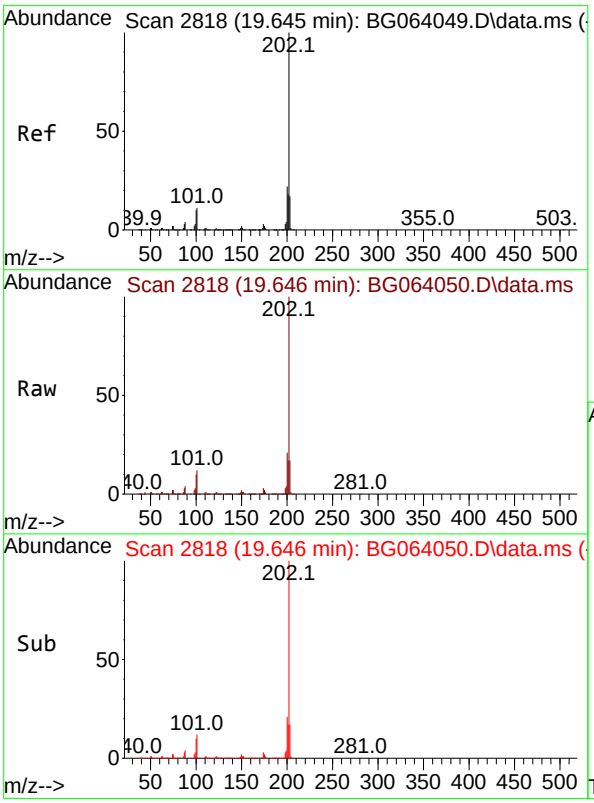
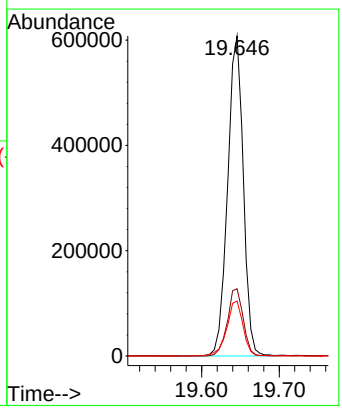
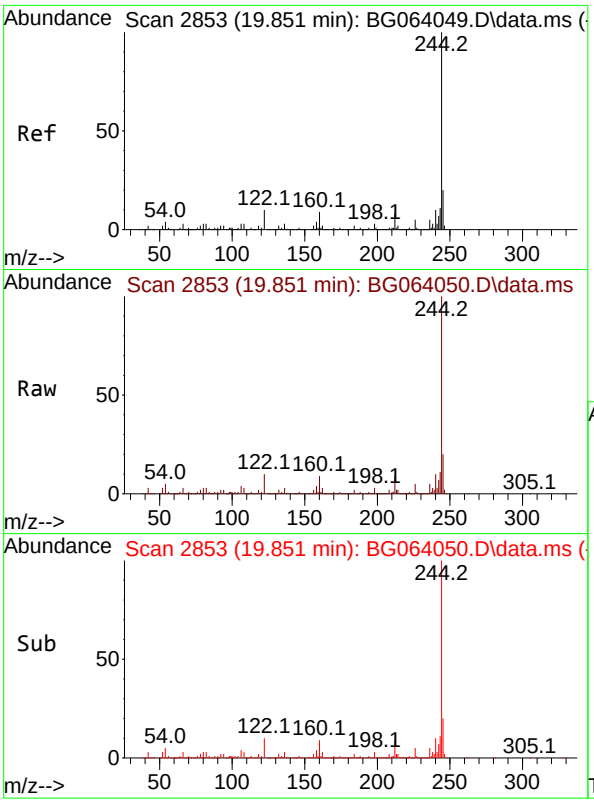


#78
Pyrene
Concen: 48.636 ng
RT: 19.646 min Scan# 2818
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:202 Resp: 854585

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.3	25.9
203	17.1	13.6	20.4

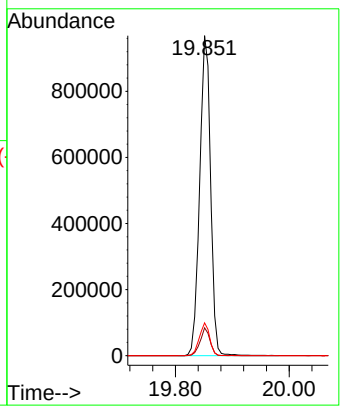




#79
Terphenyl-d14
Concen: 95.415 ng
RT: 19.851 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:244 Resp: 128626

Ion	Ratio	Lower	Upper
244	100		
212	8.7	6.2	9.4
122	10.3	8.0	12.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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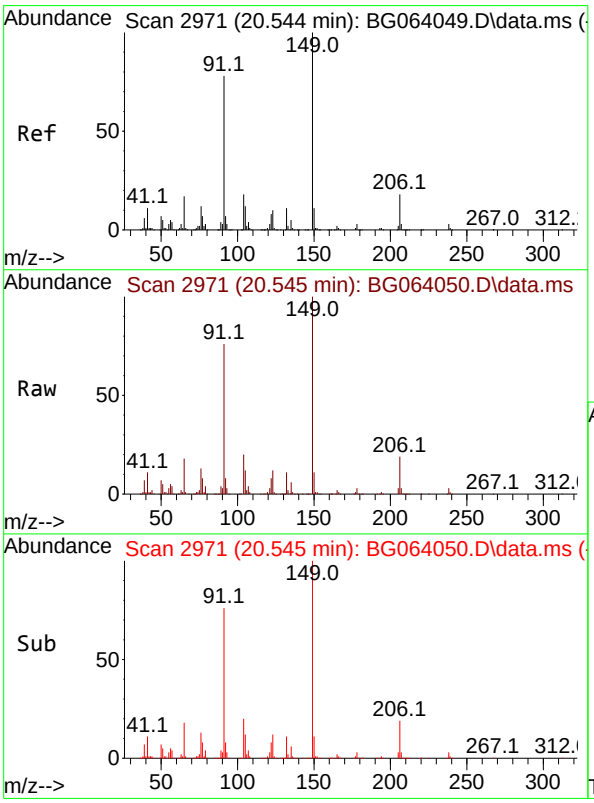
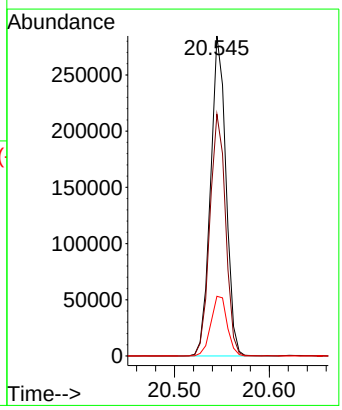
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

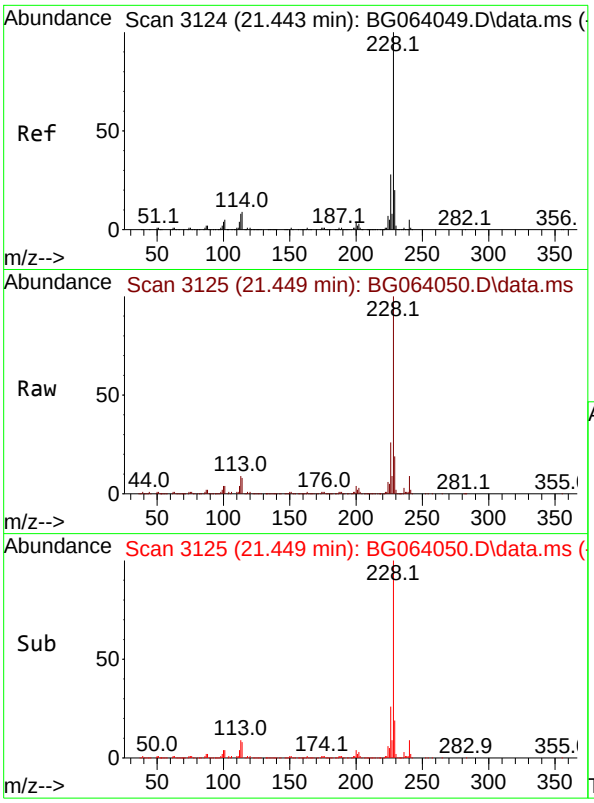


#80
Butylbenzylphthalate
Concen: 48.794 ng
RT: 20.545 min Scan# 2971
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:149 Resp: 322148

Ion	Ratio	Lower	Upper
149	100		
91	75.5	62.0	93.0
206	18.6	14.6	21.8





#81
Benzo(a)anthracene
Concen: 49.769 ng
RT: 21.449 min Scan# 3
Delta R.T. 0.007 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

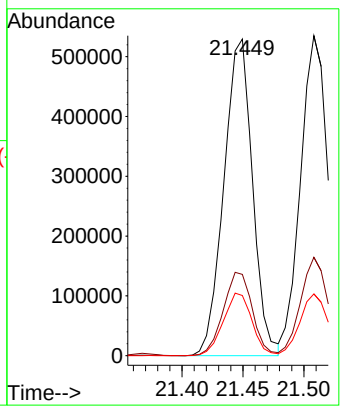
Tgt Ion:228 Resp: 86899

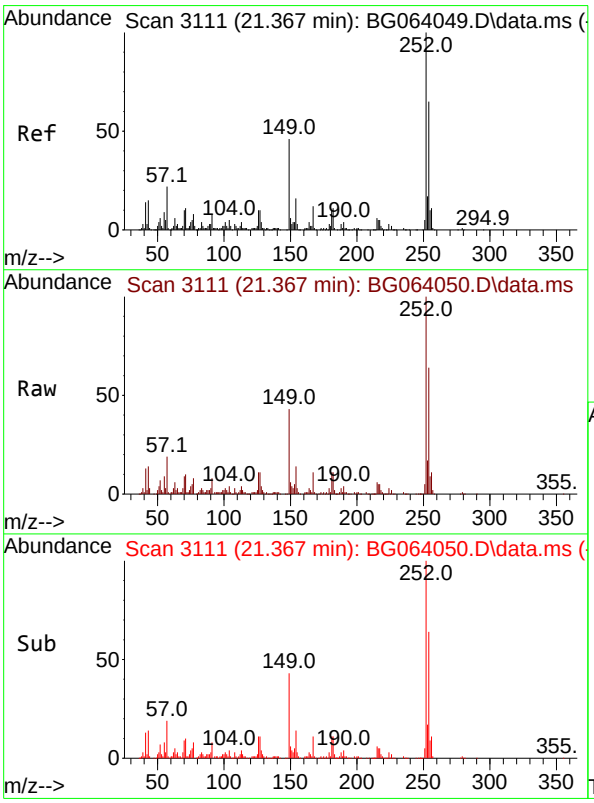
Ion	Ratio	Lower	Upper
228	100		
226	25.7	22.2	33.2
229	19.0	16.4	24.6

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

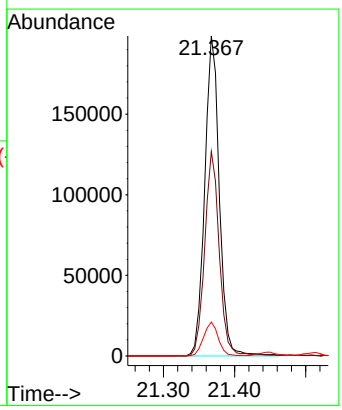


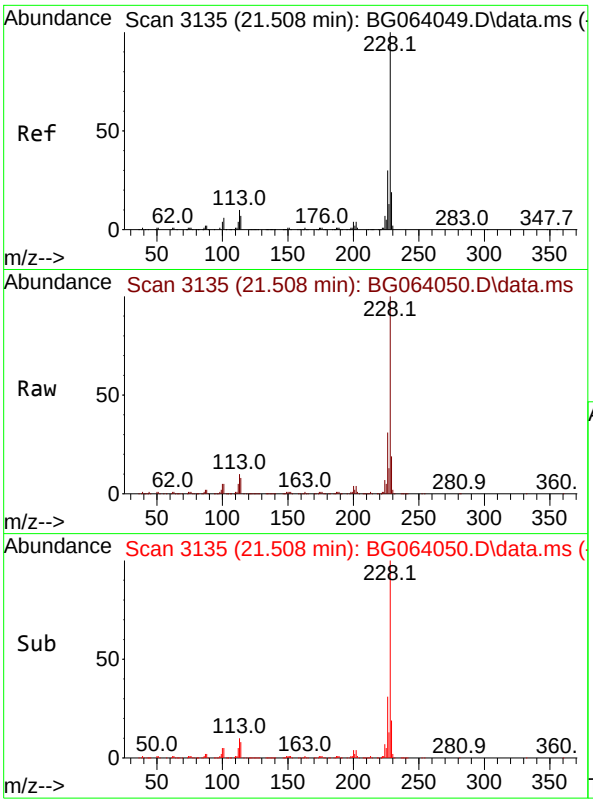


#82
3,3'-Dichlorobenzidine
Concen: 50.177 ng
RT: 21.367 min Scan# 3111
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:252 Resp: 283543

Ion	Ratio	Lower	Upper
252	100		
254	63.9	52.1	78.1
126	10.6	7.8	11.8

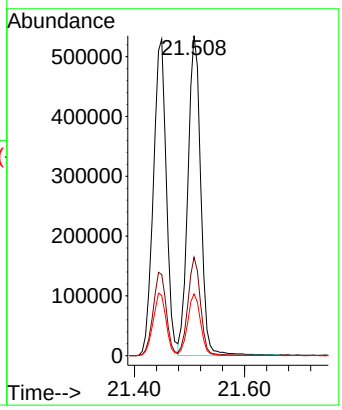




#83
Chrysene
Concen: 49.437 ng
RT: 21.508 min Scan# 3
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:228 Resp: 86092

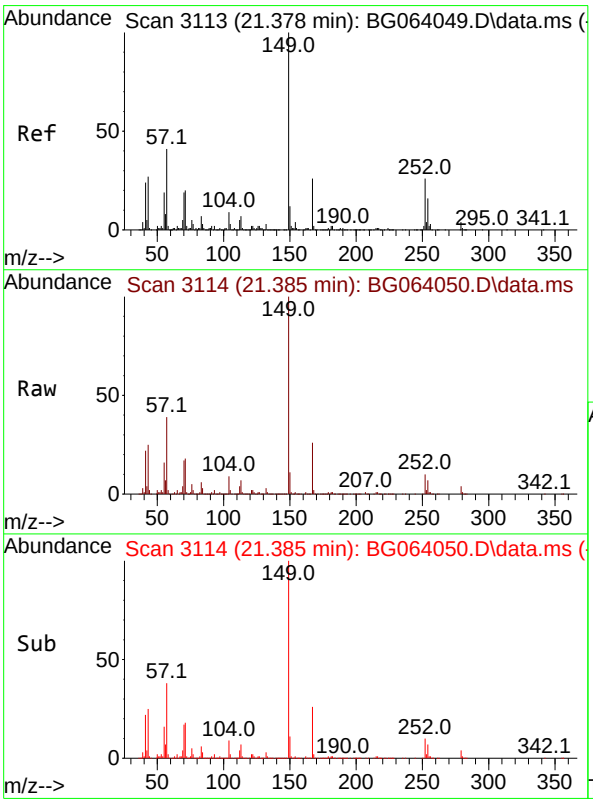
Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.9	35.9
229	19.3	15.3	22.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

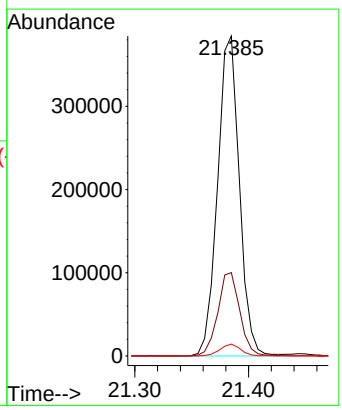
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

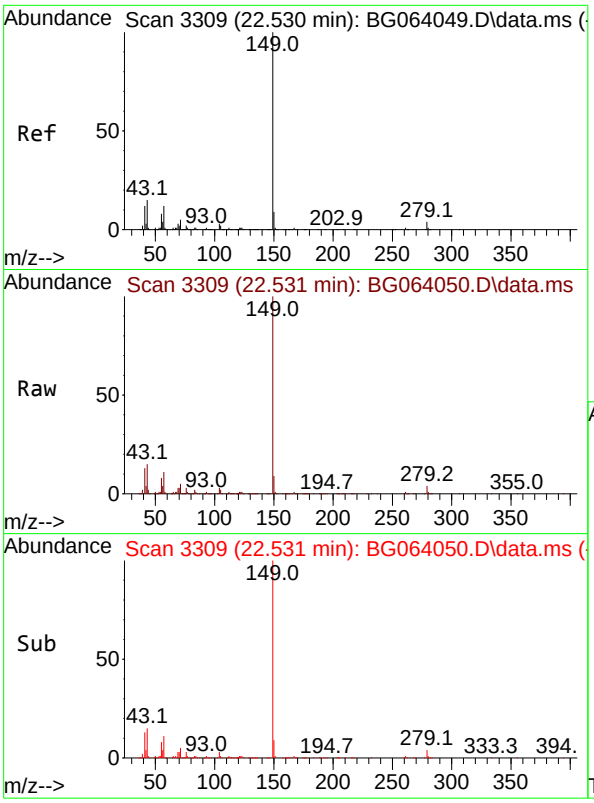


#84
Bis(2-ethylhexyl)phthalate
Concen: 54.210 ng
RT: 21.385 min Scan# 3114
Delta R.T. 0.007 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:149 Resp: 511903

Ion	Ratio	Lower	Upper
149	100		
167	26.1	21.0	31.6
279	3.7	2.8	4.2





#85
Di-n-octyl phthalate
Concen: 52.538 ng
RT: 22.531 min Scan# 3
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

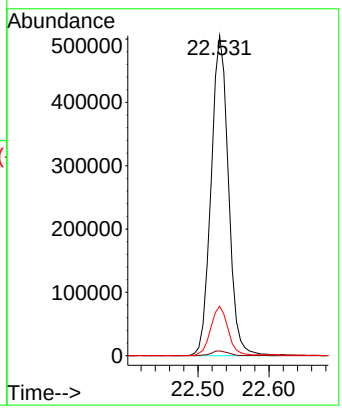
Tgt Ion:149 Resp: 85572

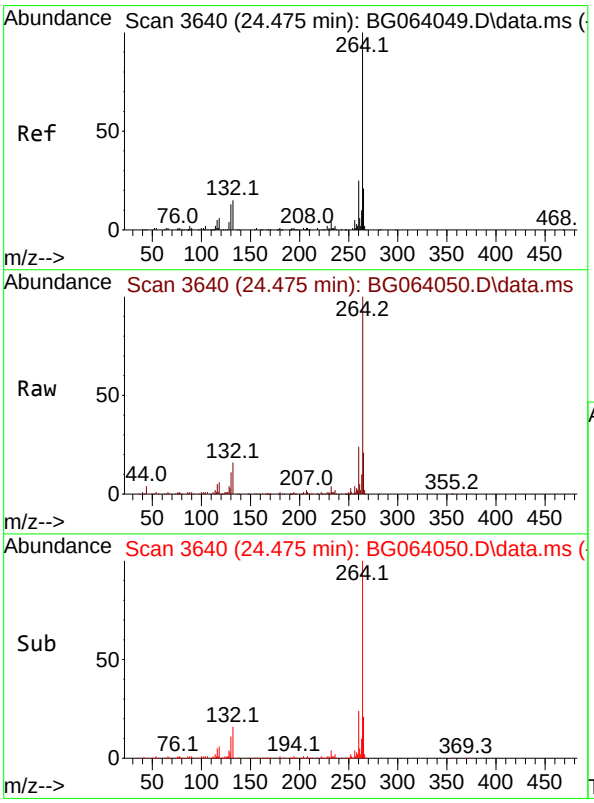
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	15.6	12.6	19.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

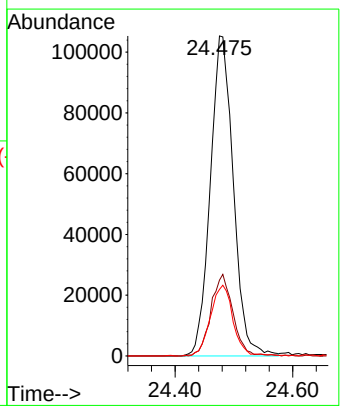


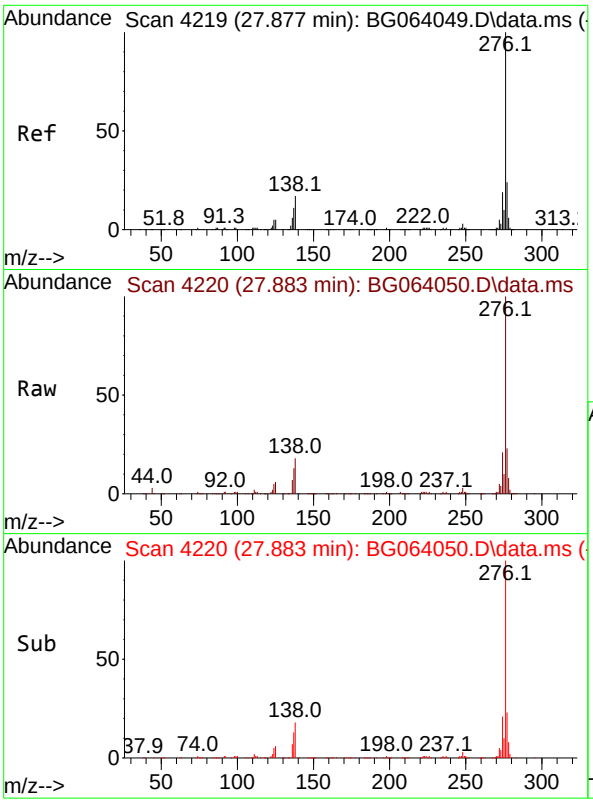


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.475 min Scan# 3640
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:264 Resp: 286555

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.6	29.4
265	20.8	16.6	25.0

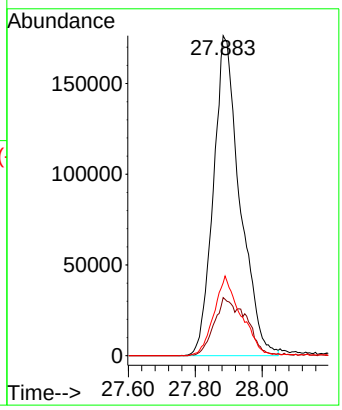




#87
Indeno(1,2,3-cd)pyrene
Concen: 50.610 ng
RT: 27.883 min Scan# 4
Delta R.T. 0.007 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:276 Resp: 97033

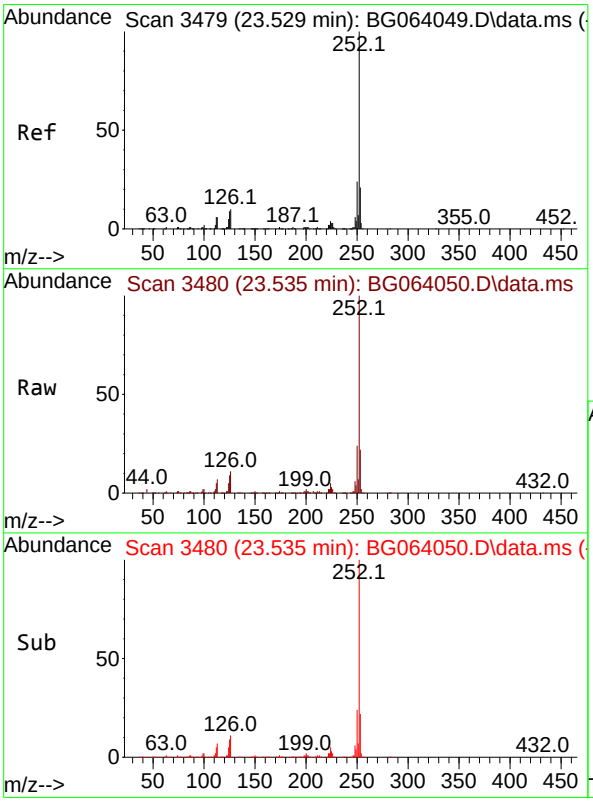
Ion	Ratio	Lower	Upper
276	100		
138	13.2	12.1	18.1
277	25.3	20.0	30.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

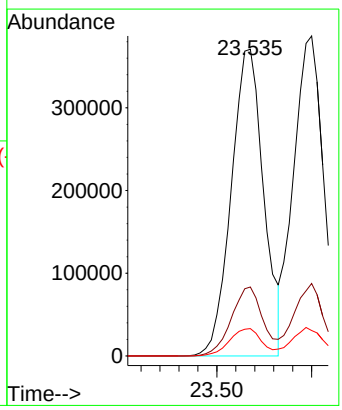
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

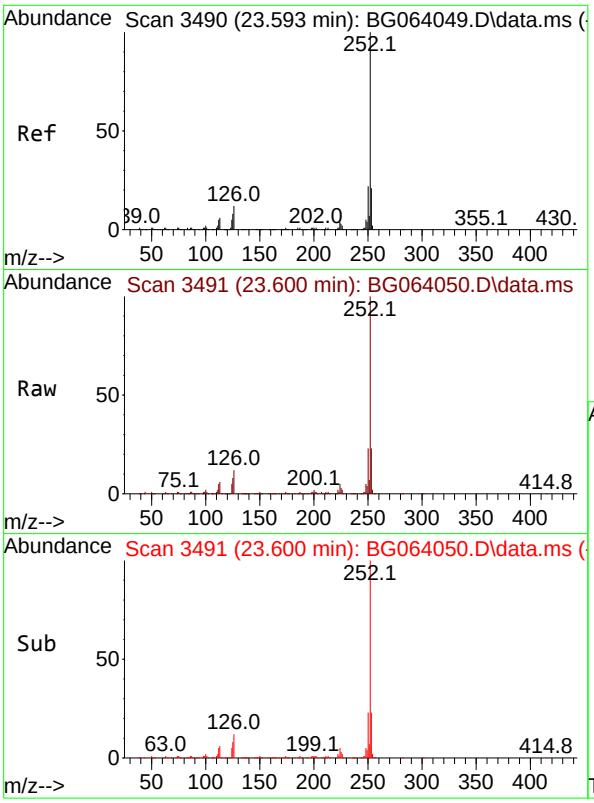


#88
Benzo(b)fluoranthene
Concen: 50.946 ng
RT: 23.535 min Scan# 3480
Delta R.T. 0.007 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:252 Resp: 882554

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.4
125	8.9	7.4	11.2





#89
Benzo(k)fluoranthene
Concen: 49.673 ng
RT: 23.600 min Scan# 34
Delta R.T. 0.007 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

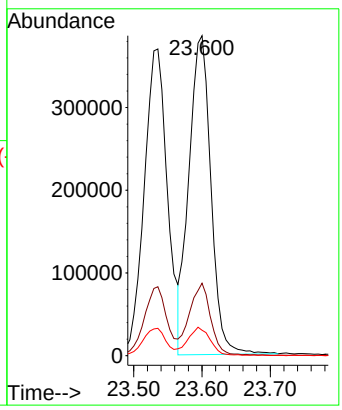
Tgt Ion:252 Resp: 86326

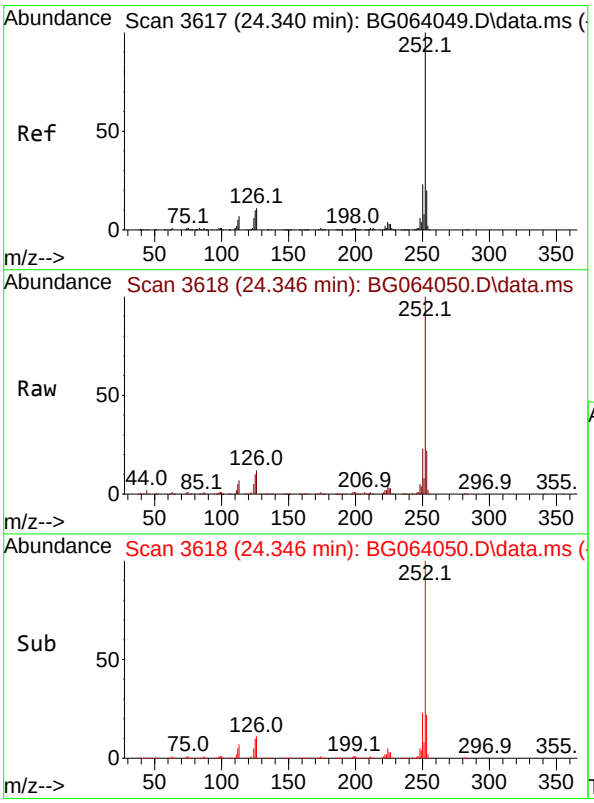
Ion	Ratio	Lower	Upper
252	100		
253	22.6	16.8	25.2
125	8.0	6.9	10.3

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

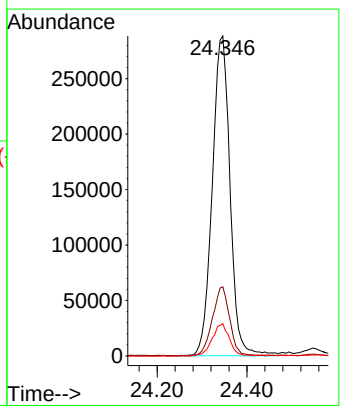


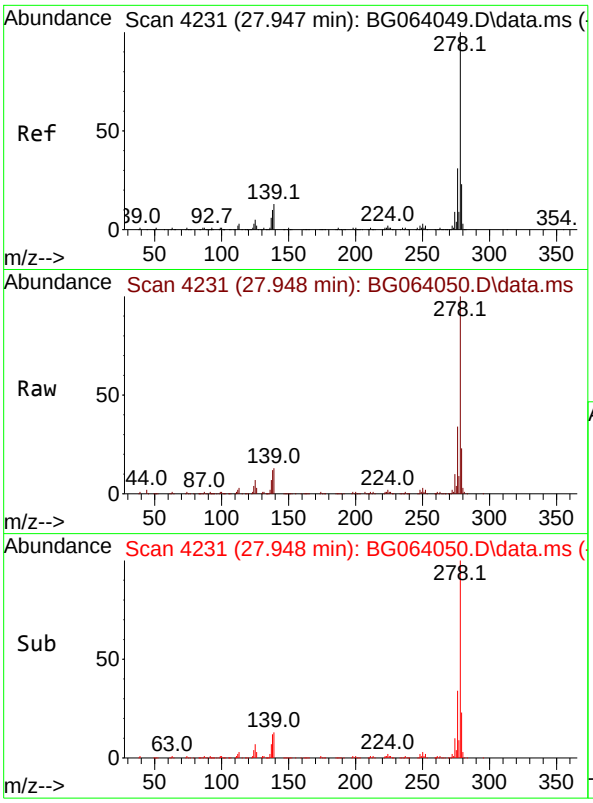


#90
Benzo(a)pyrene
Concen: 51.360 ng
RT: 24.346 min Scan# 3618
Delta R.T. 0.007 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:252 Resp: 792379

Ion	Ratio	Lower	Upper
252	100		
253	21.6	16.2	24.2
125	10.1	7.8	11.6

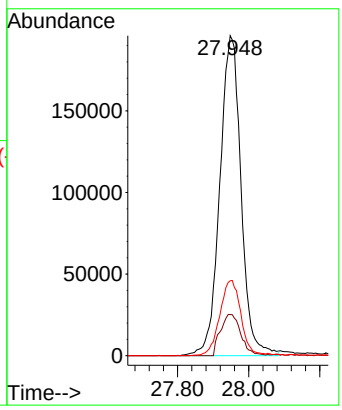




#91
Dibenzo(a,h)anthracene
Concen: 51.097 ng
RT: 27.948 min Scan# 4
Delta R.T. 0.001 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:278 Resp: 81218

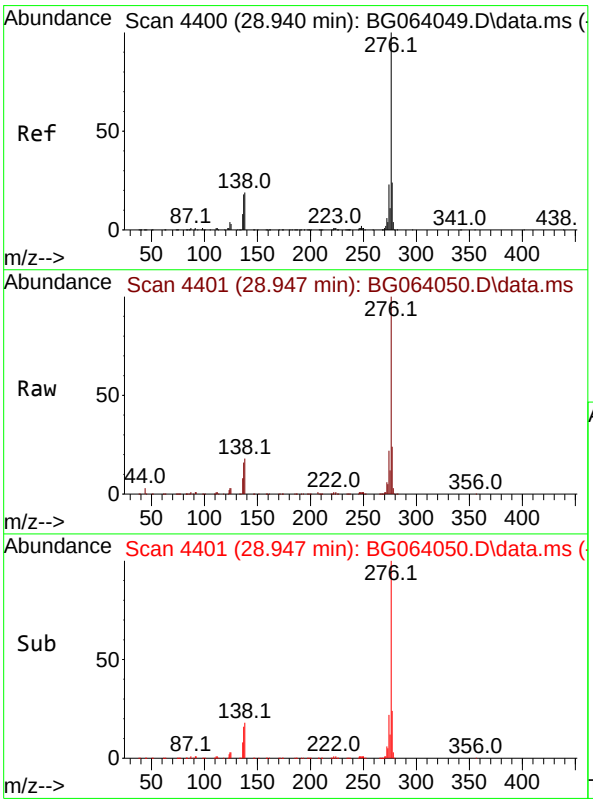
Ion	Ratio	Lower	Upper
278	100		
139	12.8	10.2	15.2
279	23.4	18.1	27.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

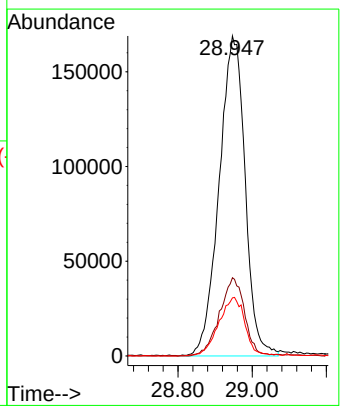
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025



#92
Benzo(g,h,i)perylene
Concen: 50.325 ng
RT: 28.947 min Scan# 4401
Delta R.T. 0.007 min
Lab File: BG064050.D
Acq: 5 Mar 2025 12:23

Tgt Ion:276 Resp: 821282

Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.5	29.3
138	18.1	15.4	23.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064051.D
Acq On : 5 Mar 2025 13:04
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

Quant Time: Mar 05 15:25:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 14:45:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.865	152	37134	20.000	ng		0.00
21) Naphthalene-d8	10.656	136	170133	20.000	ng		0.00
39) Acenaphthene-d10	14.492	164	120501	20.000	ng		0.00
64) Phenanthrene-d10	17.230	188	267696	20.000	ng		0.00
76) Chrysene-d12	21.467	240	267699	20.000	ng		0.00
86) Perylene-d12	24.481	264	289231	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.450	112	293555	123.437	ng		0.00
7) Phenol-d6	7.031	99	409752	126.652	ng		0.00
23) Nitrobenzene-d5	9.022	82	408232	132.600	ng		0.00
42) 2,4,6-Tribromophenol	15.979	330	180569	134.808	ng		0.00
45) 2-Fluorobiphenyl	13.118	172	928658	116.978	ng		0.00
79) Terphenyl-d14	19.851	244	1536841	116.081	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.376	88	60005	55.674	ng		98
3) Pyridine	3.764	79	153247	58.464	ng		100
4) n-Nitrosodimethylamine	3.682	42	116662	62.293	ng		99
6) Aniline	7.195	93	194727	61.338	ng		99
8) 2-Chlorophenol	7.430	128	158149	61.917	ng		97
9) Benzaldehyde	7.007	77	94743	50.099	ng		97
10) Phenol	7.060	94	211698	63.911	ng		97
11) bis(2-Chloroethyl)ether	7.295	93	157937	60.818	ng		99
12) 1,3-Dichlorobenzene	7.759	146	169236	60.337	ng		97
13) 1,4-Dichlorobenzene	7.900	146	171129	59.524	ng		98
14) 1,2-Dichlorobenzene	8.217	146	169937	61.300	ng		98
15) Benzyl Alcohol	8.100	79	163423	65.368	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.394	45	358503	61.396	ng		98
17) 2-Methylphenol	8.300	107	141394	64.317	ng		96
18) Hexachloroethane	8.946	117	64767	64.389	ng		94
19) n-Nitroso-di-n-propyla...	8.676	70	147291	64.871	ng		97
20) 3+4-Methylphenols	8.635	107	200990	66.409	ng		94
22) Acetophenone	8.682	105	286250	61.365	ng	#	98
24) Nitrobenzene	9.064	77	208758	65.613	ng		95
25) Isophorone	9.586	82	386627	62.743	ng		97
26) 2-Nitrophenol	9.769	139	72153	61.605	ng		95
27) 2,4-Dimethylphenol	9.827	122	122021	66.054	ng		98
28) bis(2-Chloroethoxy)met...	10.068	93	229336	61.387	ng		98
29) 2,4-Dichlorophenol	10.303	162	153766	65.920	ng		97
30) 1,2,4-Trichlorobenzene	10.521	180	170860	60.677	ng		98
31) Naphthalene	10.703	128	559954	61.037	ng		99
32) Benzoic acid	9.998	122	110878m	62.274	ng		
33) 4-Chloroaniline	10.809	127	214091	63.850	ng		98
34) Hexachlorobutadiene	10.997	225	112408	60.903	ng		98
35) Caprolactam	11.596	113	57227	64.020	ng		95
36) 4-Chloro-3-methylphenol	11.931	107	199201	65.149	ng		97
37) 2-Methylnaphthalene	12.313	142	397524	61.379	ng		99
38) 1-Methylnaphthalene	12.536	142	391774	61.745	ng		95
40) 1,2,4,5-Tetrachloroben...	12.683	216	203188	59.063	ng		98
41) Hexachlorocyclopentadiene	12.665	237	65070	67.203	ng		96
43) 2,4,6-Trichlorophenol	12.918	196	133197	65.693	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064051.D
Acq On : 5 Mar 2025 13:04
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

Quant Time: Mar 05 15:25:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 14:45:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.988	196	147199	65.338	ng		97
46) 1,1'-Biphenyl	13.329	154	546747	60.056	ng		99
47) 2-Chloronaphthalene	13.364	162	405177	61.023	ng		98
48) 2-Nitroaniline	13.564	65	143213	61.521	ng		97
49) Acenaphthylene	14.210	152	642256	61.154	ng		99
50) Dimethylphthalate	13.958	163	545112	61.282	ng		99
51) 2,6-Dinitrotoluene	14.064	165	110825	60.475	ng		92
52) Acenaphthene	14.557	154	423181	59.918	ng		99
53) 3-Nitroaniline	14.393	138	118880	69.150	ng		99
54) 2,4-Dinitrophenol	14.592	184	43597	60.118	ng	#	82
55) Dibenzofuran	14.892	168	673760	59.009	ng		100
56) 4-Nitrophenol	14.698	139	97685	67.751	ng		97
57) 2,4-Dinitrotoluene	14.851	165	153908	60.762	ng	#	98
58) Fluorene	15.538	166	527952	59.367	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.115	232	145394	66.199	ng		96
60) Diethylphthalate	15.321	149	591838	61.289	ng		100
61) 4-Chlorophenyl-phenyle...	15.538	204	260768	59.007	ng		93
62) 4-Nitroaniline	15.556	138	122494	65.996	ng		97
63) Azobenzene	15.826	77	616384	59.818	ng		99
65) 4,6-Dinitro-2-methylph...	15.615	198	74058	61.305	ng		97
66) n-Nitrosodiphenylamine	15.750	169	458342	60.488	ng		97
67) 4-Bromophenyl-phenylether	16.426	248	174594	63.681	ng		96
68) Hexachlorobenzene	16.543	284	183700	59.848	ng		99
70) Pentachlorophenol	16.884	266	127516	66.910	ng		97
71) Phenanthrene	17.272	178	850190	59.544	ng		100
72) Anthracene	17.366	178	855662	60.267	ng		98
73) Carbazole	17.630	167	791764	59.729	ng		98
74) Di-n-butylphthalate	18.206	149	978831	62.731	ng		99
75) Fluoranthene	19.281	202	998035	57.980	ng		99
77) Benzidine	19.469	184	240411	63.973	ng		98
78) Pyrene	19.645	202	1035908	60.030	ng		99
80) Butylbenzylphthalate	20.544	149	403606	61.244	ng		97
81) Benzo(a)anthracene	21.449	228	1051558	61.323	ng		98
82) 3,3'-Dichlorobenzidine	21.367	252	349935	63.055	ng		99
83) Chrysene	21.514	228	1044616	61.078	ng		99
84) Bis(2-ethylhexyl)phtha...	21.384	149	633796	68.341	ng		98
85) Di-n-octyl phthalate	22.530	149	1075085	67.209	ng		100
87) Indeno(1,2,3-cd)pyrene	27.889	276	1198276	61.921	ng		99
88) Benzo(b)fluoranthene	23.535	252	1054170	60.290	ng		98
89) Benzo(k)fluoranthene	23.599	252	1070595	61.033	ng		100
90) Benzo(a)pyrene	24.346	252	947608	60.853	ng		98
91) Dibenzo(a,h)anthracene	27.953	278	974276	60.728	ng		98
92) Benzo(g,h,i)perylene	28.964	276	1002330	60.851	ng		96

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

ICAL Form

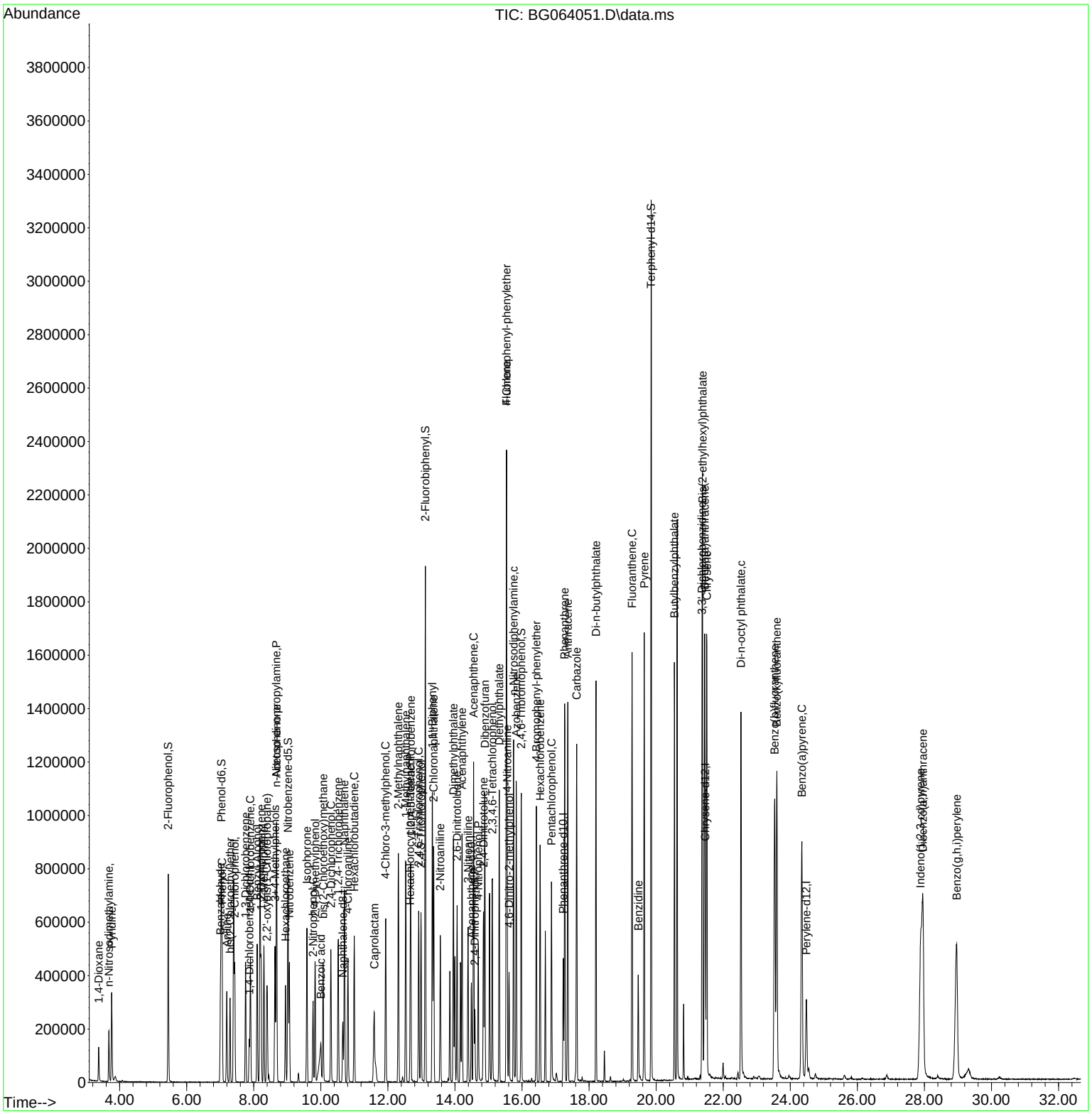
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064051.D
Acq On : 5 Mar 2025 13:04
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

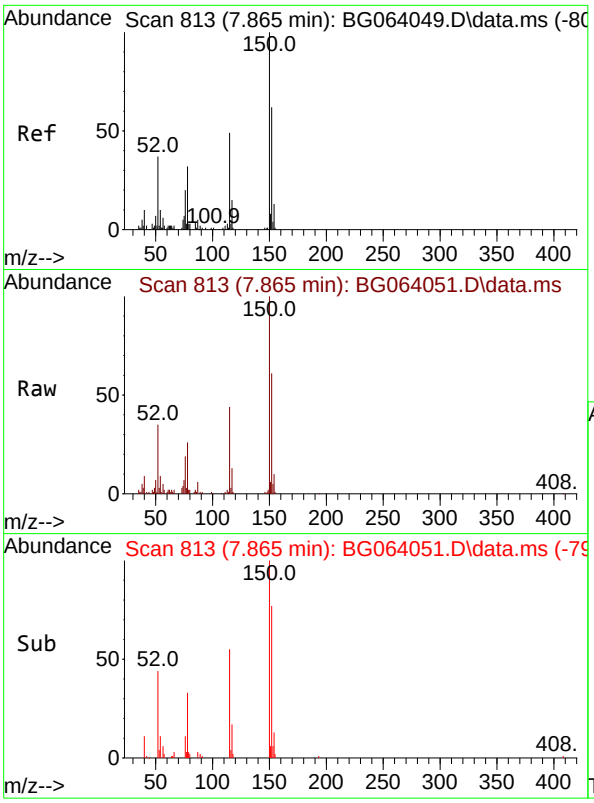
Quant Time: Mar 05 15:25:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 14:45:06 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

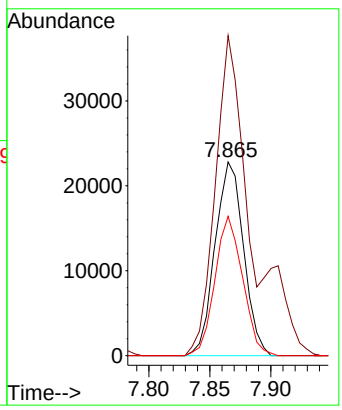




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.865 min Scan# 81
Delta R.T. -0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:152 Resp: 3713

Ion	Ratio	Lower	Upper
152	100		
150	165.1	129.2	193.8
115	71.9	63.0	94.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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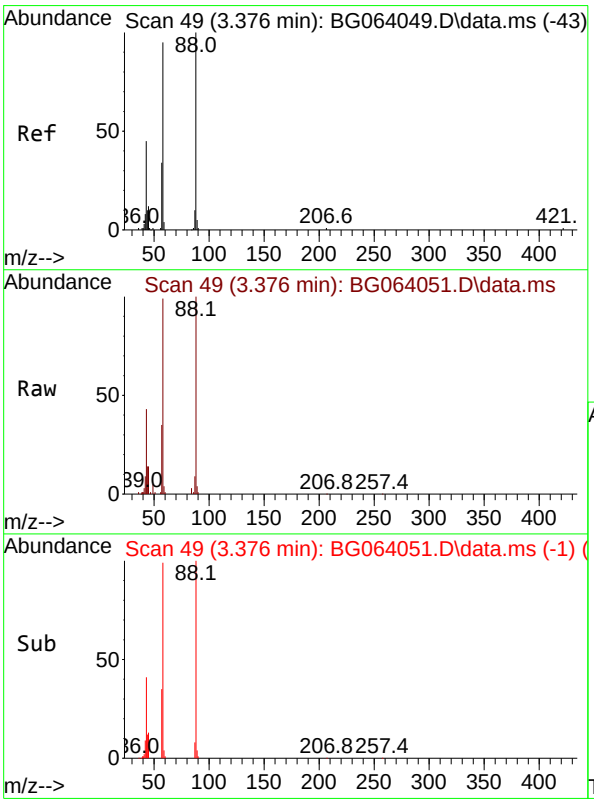
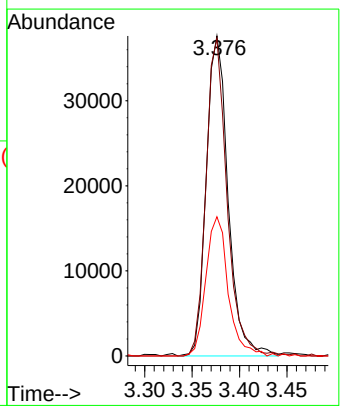
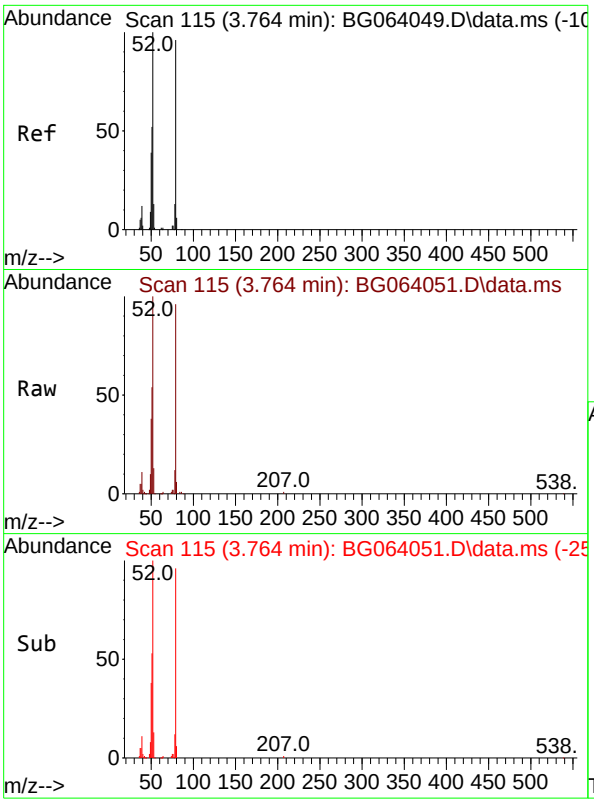


#2
1,4-Dioxane
Concen: 55.674 ng
RT: 3.376 min Scan# 49
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion: 88 Resp: 60005

Ion	Ratio	Lower	Upper
88	100		
58	96.3	74.6	111.8
43	44.5	35.5	53.3

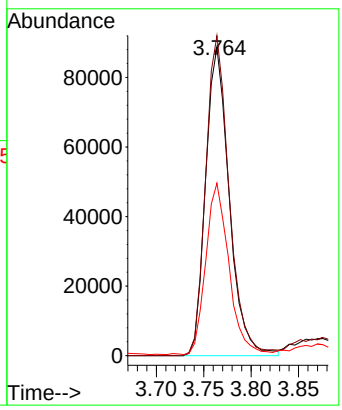




#3
Pyridine
Concen: 58.464 ng
RT: 3.764 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion: 79 Resp: 15324

Ion	Ratio	Lower	Upper
79	100		
52	103.8	83.0	124.6
51	56.0	44.3	66.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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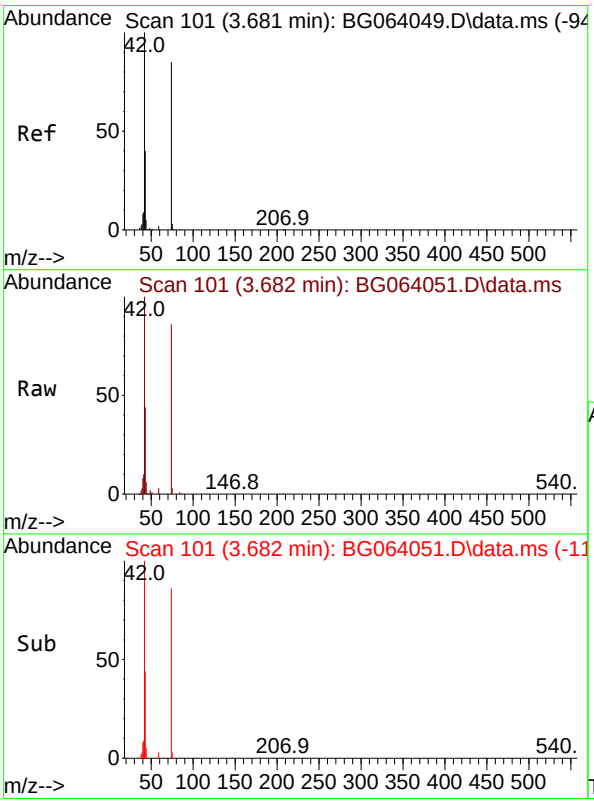
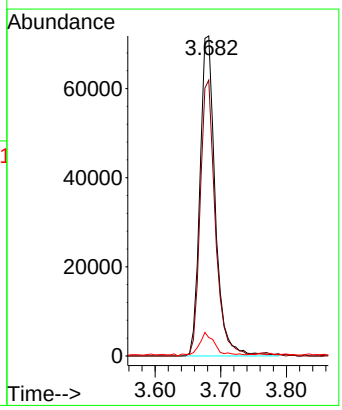
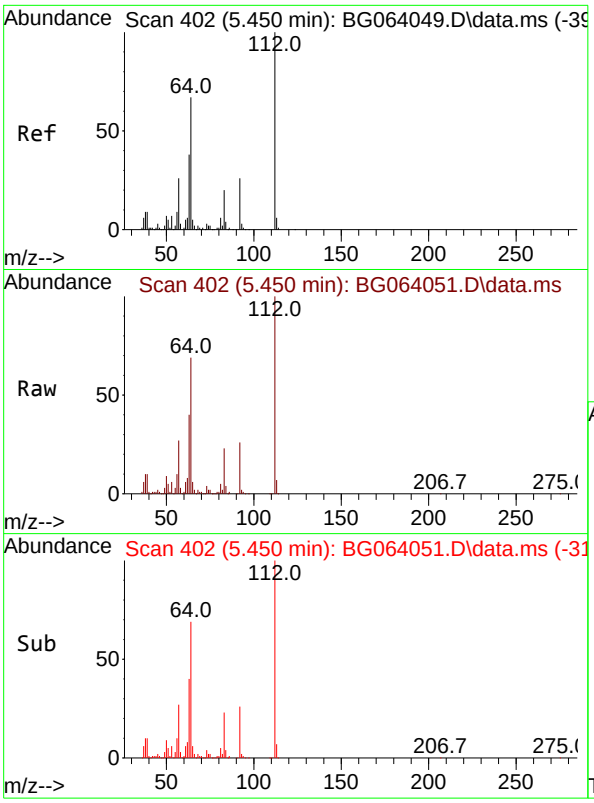


#4
n-Nitrosodimethylamine
Concen: 62.293 ng
RT: 3.682 min Scan# 101
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion: 42 Resp: 116662

Ion	Ratio	Lower	Upper
42	100		
74	86.2	68.0	102.0
44	5.7	4.9	7.3





#5
2-Fluorophenol
Concen: 123.437 ng
RT: 5.450 min Scan# 4(
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:112 Resp: 29355

Ion	Ratio	Lower	Upper
112	100		
64	69.0	53.7	80.5
63	40.1	30.2	45.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
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Reviewed By :Jagrut Upadhyay 03/06/2025
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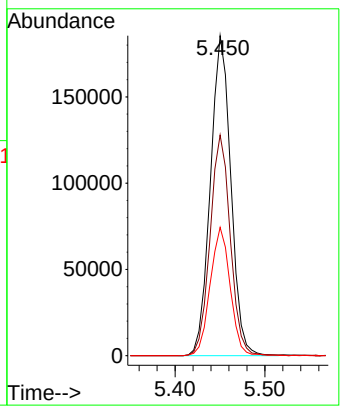
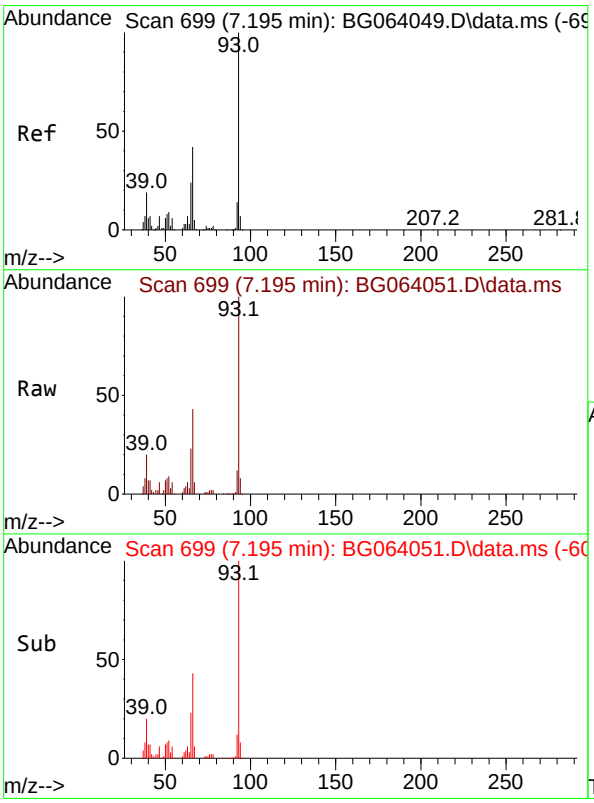
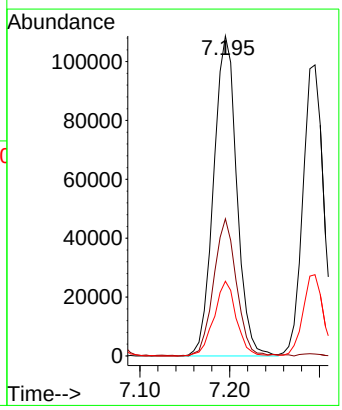


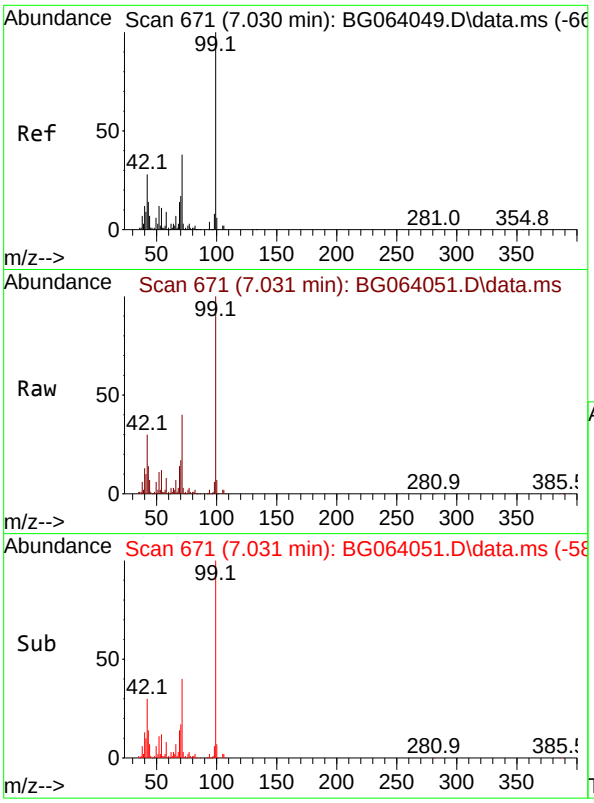


#6
Aniline
Concen: 61.338 ng
RT: 7.195 min Scan# 699
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion: 93 Resp: 194727

Ion	Ratio	Lower	Upper
93	100		
66	42.9	33.7	50.5
65	23.3	19.1	28.7

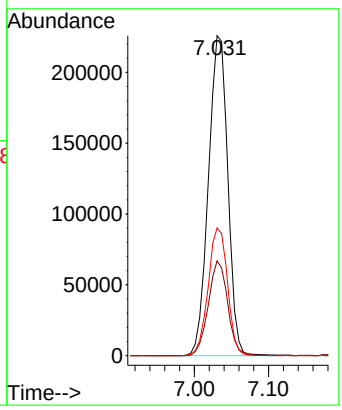




#7
Phenol-d6
Concen: 126.652 ng
RT: 7.031 min Scan# 6
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion: 99 Resp: 40975

Ion	Ratio	Lower	Upper
99	100		
42	29.6	22.7	34.1
71	39.9	30.6	46.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
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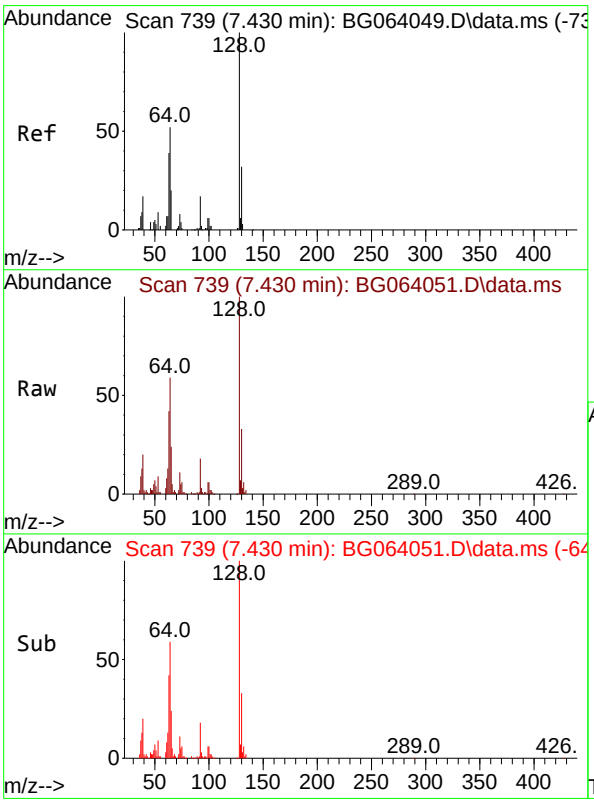
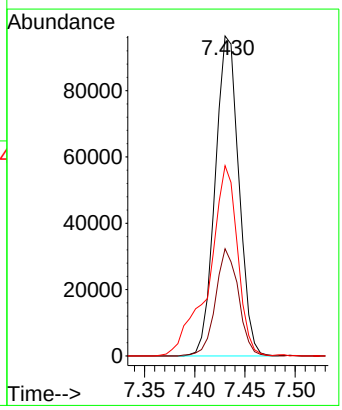
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

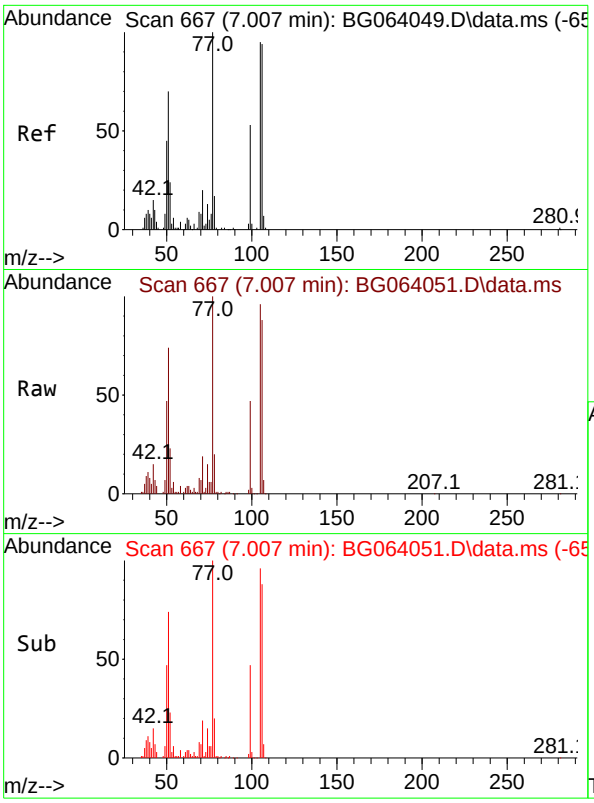


#8
2-Chlorophenol
Concen: 61.917 ng
RT: 7.430 min Scan# 739
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:128 Resp: 158149

Ion	Ratio	Lower	Upper
128	100		
130	33.5	12.3	52.3
64	59.4	37.0	77.0

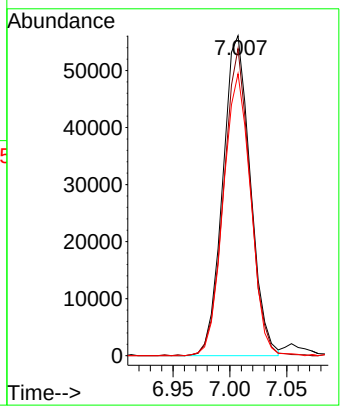




#9
Benzaldehyde
Concen: 50.099 ng
RT: 7.007 min Scan# 6
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion: 77 Resp: 9474

Ion	Ratio	Lower	Upper
77	100		
105	96.0	75.5	115.5
106	88.1	74.2	114.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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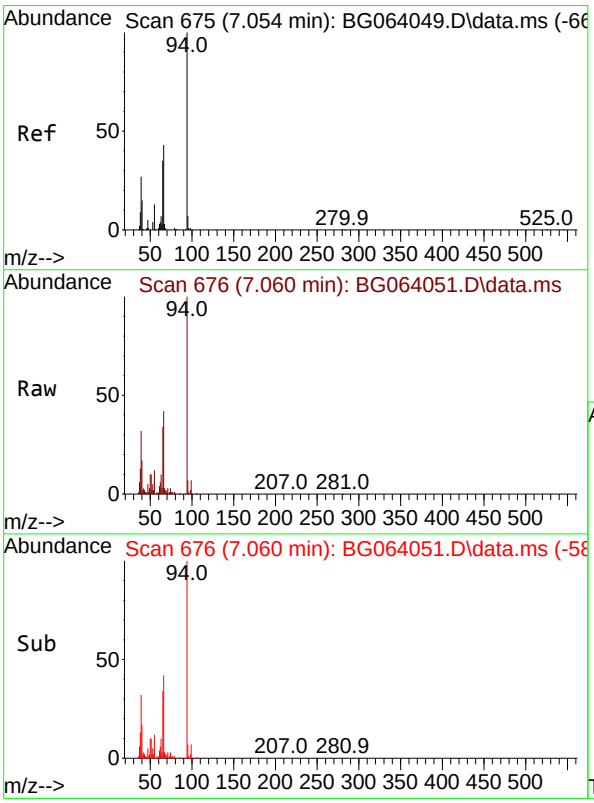
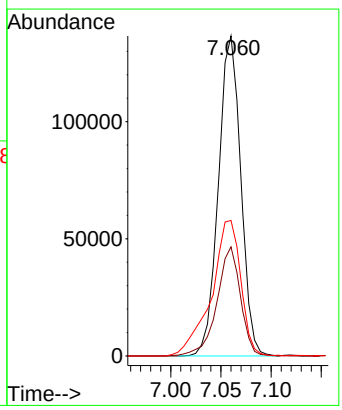
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

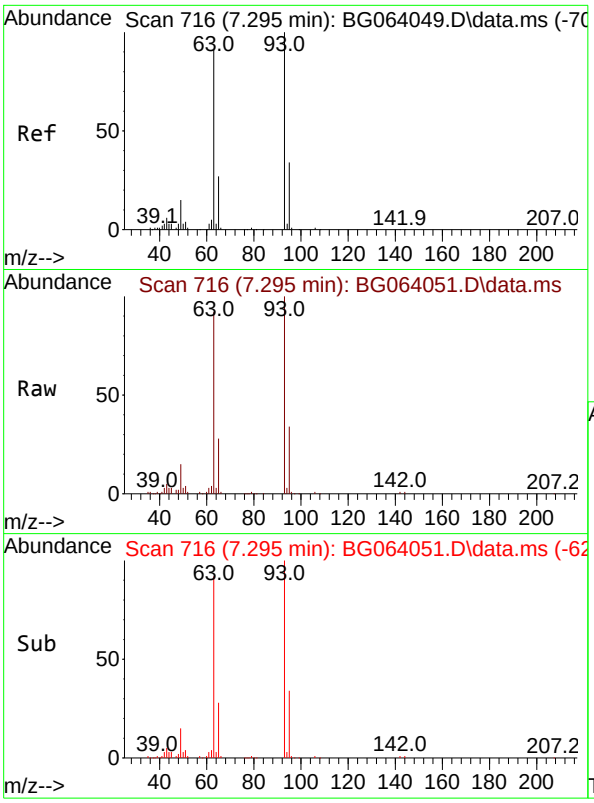


#10
Phenol
Concen: 63.911 ng
RT: 7.060 min Scan# 676
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion: 94 Resp: 211698

Ion	Ratio	Lower	Upper
94	100		
65	34.1	15.2	55.2
66	42.3	25.1	65.1

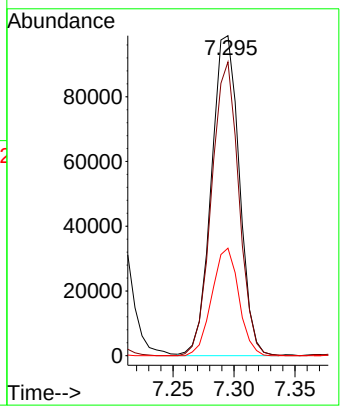




#11
bis(2-Chloroethyl)ether
Concen: 60.818 ng
RT: 7.295 min Scan# 7
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion: 93 Resp: 15793

Ion	Ratio	Lower	Upper
93	100		
63	91.8	70.0	110.0
95	33.6	13.7	53.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
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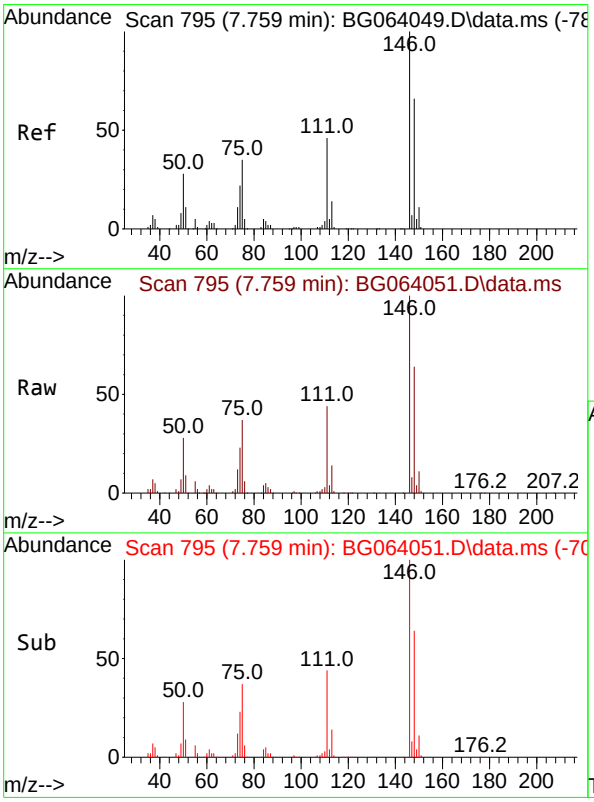
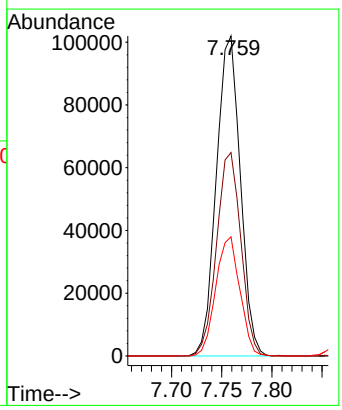
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

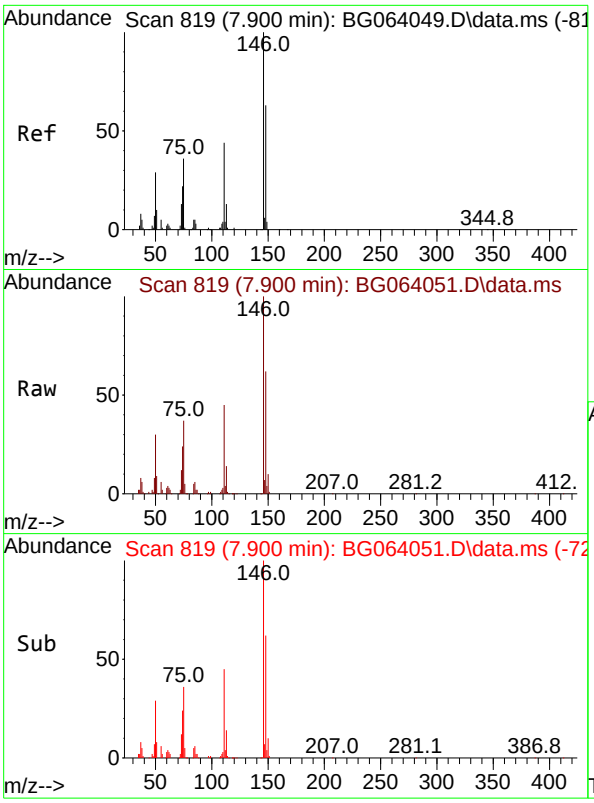


#12
1,3-Dichlorobenzene
Concen: 60.337 ng
RT: 7.759 min Scan# 795
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:146 Resp: 169236

Ion	Ratio	Lower	Upper
146	100		
148	63.6	52.6	78.8
75	37.2	28.1	42.1

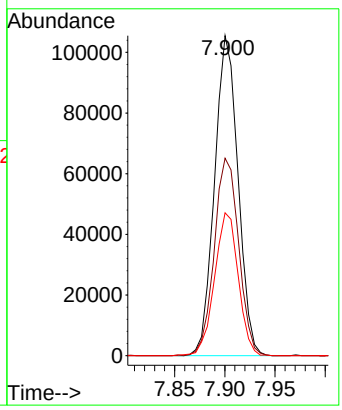




#13
1,4-Dichlorobenzene
Concen: 59.524 ng
RT: 7.900 min Scan# 8
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:146 Resp: 17112

Ion	Ratio	Lower	Upper
146	100		
148	61.7	50.6	75.8
111	44.7	35.1	52.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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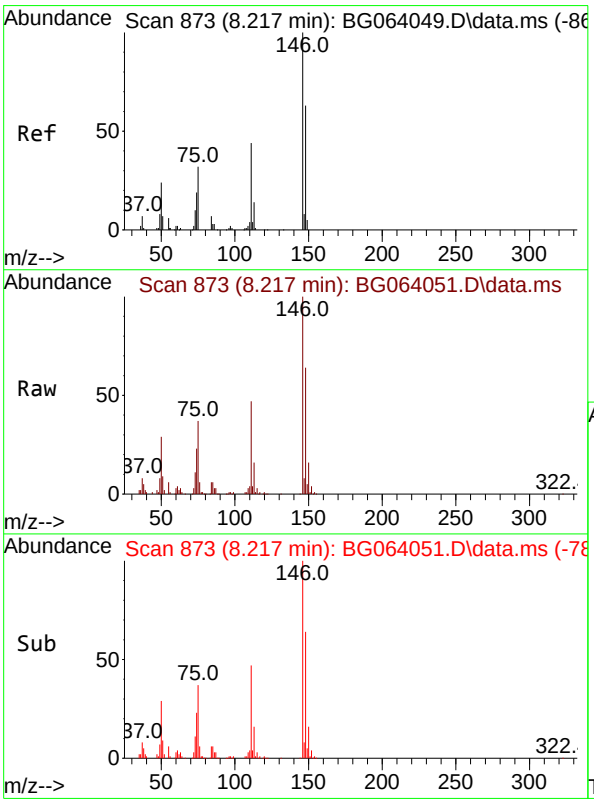
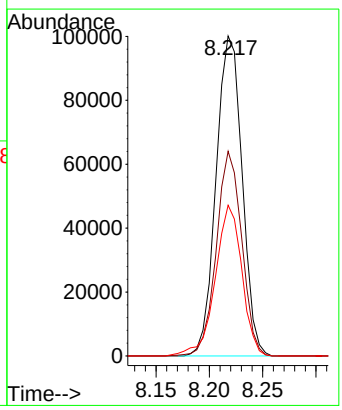
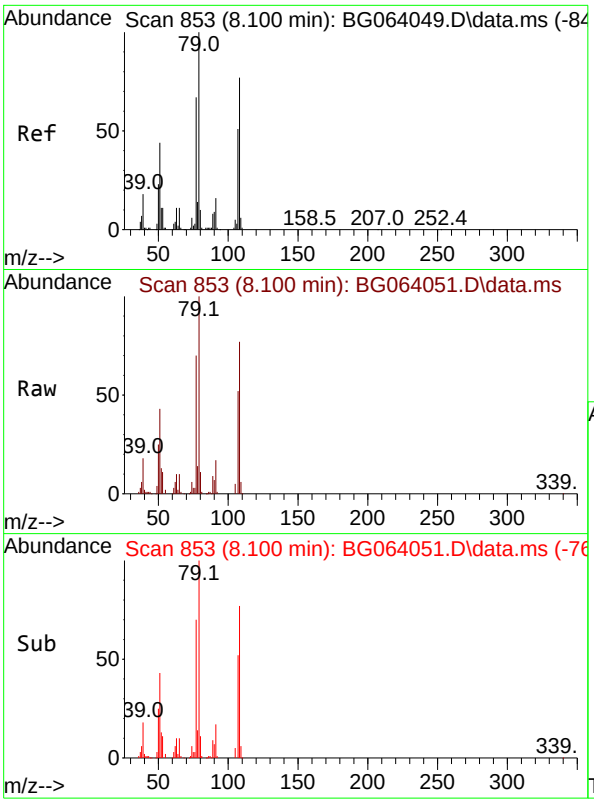


#14
1,2-Dichlorobenzene
Concen: 61.300 ng
RT: 8.217 min Scan# 873
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:146 Resp: 169937

Ion	Ratio	Lower	Upper
146	100		
148	64.0	50.2	75.2
111	47.1	36.4	54.6

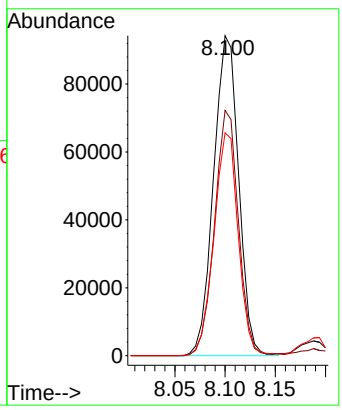




#15
Benzyl Alcohol
Concen: 65.368 ng
RT: 8.100 min Scan# 8
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion: 79 Resp: 16342

Ion	Ratio	Lower	Upper
79	100		
108	76.7	61.7	92.5
77	69.6	53.9	80.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
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Reviewed By :Jagrut Upadhyay 03/06/2025
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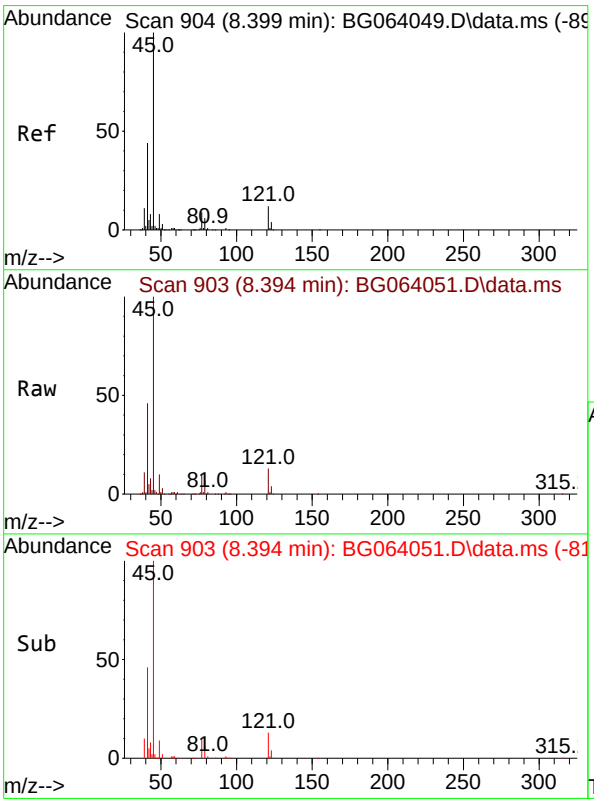
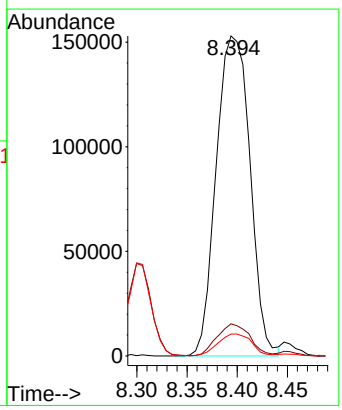
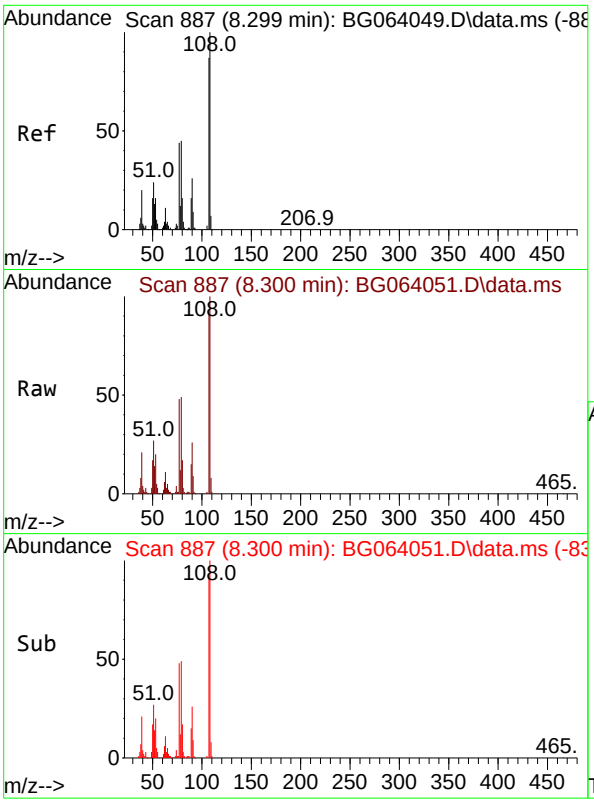


#16
2,2'-oxybis(1-Chloropropane)
Concen: 61.396 ng
RT: 8.394 min Scan# 903
Delta R.T. -0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion: 45 Resp: 358503

Ion	Ratio	Lower	Upper
45	100		
77	10.0	0.0	29.0
79	6.8	0.0	26.6

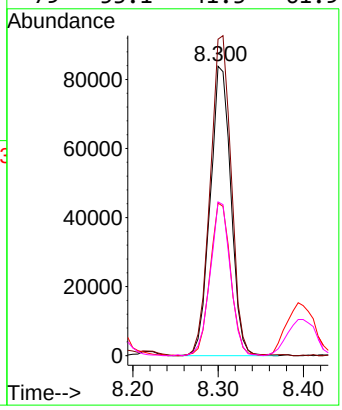




#17
2-Methylphenol
Concen: 64.317 ng
RT: 8.300 min Scan# 8
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:107 Resp: 14139

Ion	Ratio	Lower	Upper
107	100		
108	109.3	92.5	138.7
77	52.7	40.5	60.7
79	53.1	41.3	61.9



Instrument :
BNA_G
ClientSampleId :
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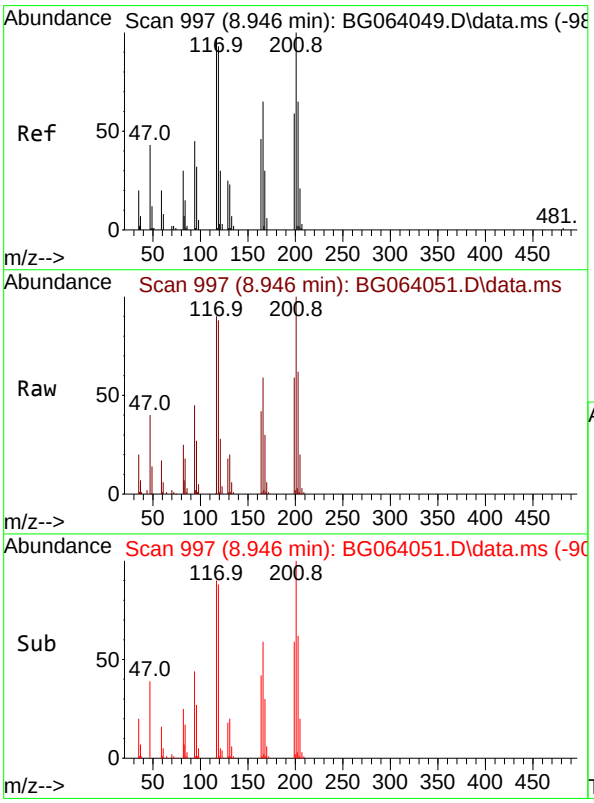
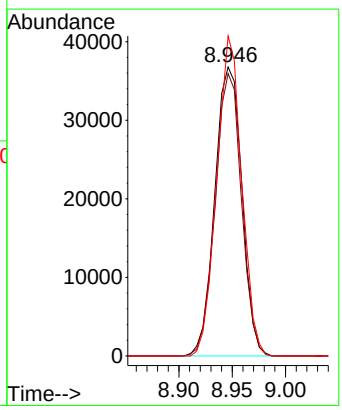
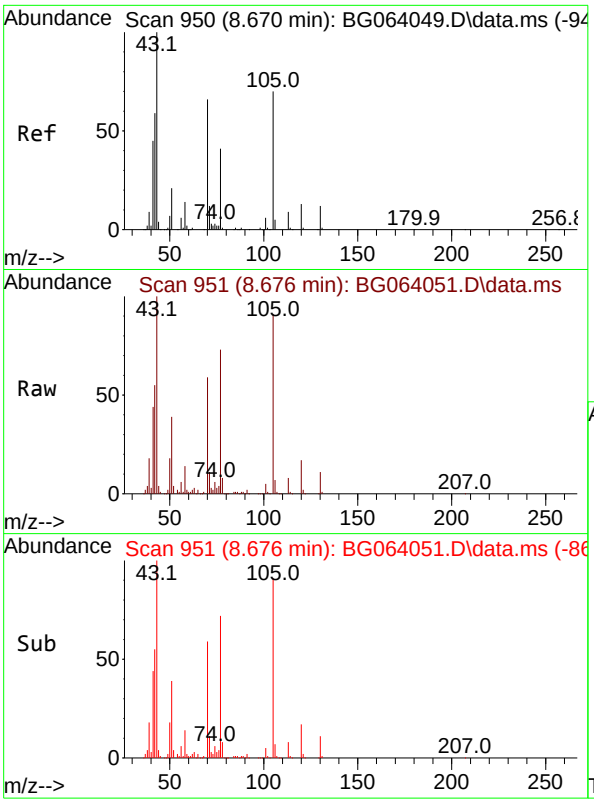


#18
Hexachloroethane
Concen: 64.389 ng
RT: 8.946 min Scan# 997
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:117 Resp: 64767

Ion	Ratio	Lower	Upper
117	100		
119	97.7	76.2	114.2
201	110.7	81.5	122.3

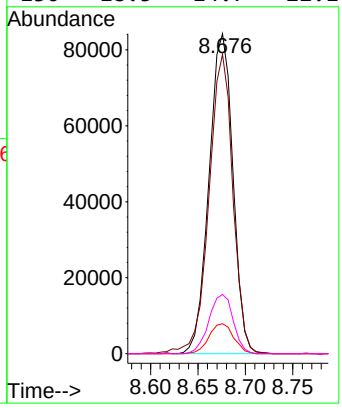




#19
n-Nitroso-di-n-propylamine
Concen: 64.871 ng
RT: 8.676 min Scan# 9
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion: 70 Resp: 14729

Ion	Ratio	Lower	Upper
70	100		
42	93.5	72.1	108.1
101	9.4	7.2	10.8
130	18.5	14.7	22.1



Instrument :
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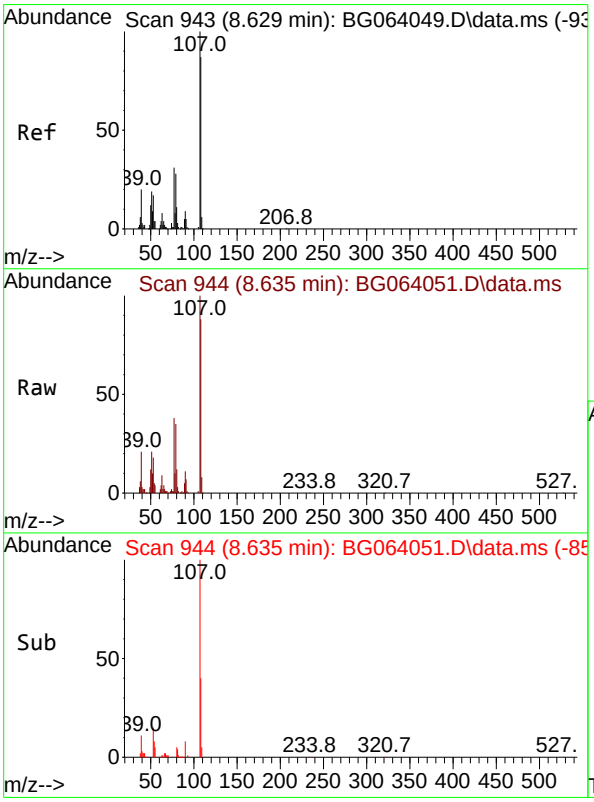
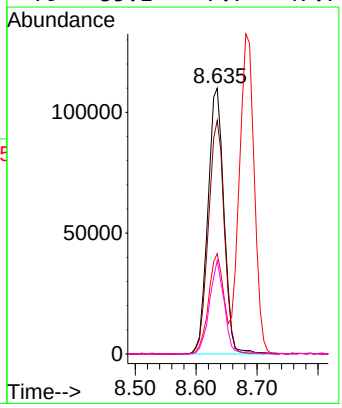
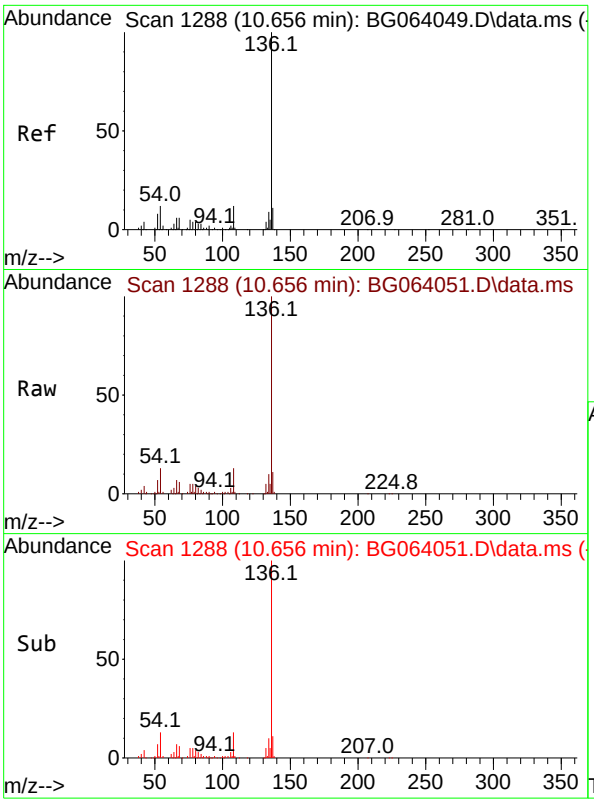


#20
3+4-Methylphenols
Concen: 66.409 ng
RT: 8.635 min Scan# 944
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:107 Resp: 200990

Ion	Ratio	Lower	Upper
107	100		
108	87.8	67.0	107.0
77	37.8	11.2	51.2
79	35.1	7.7	47.7

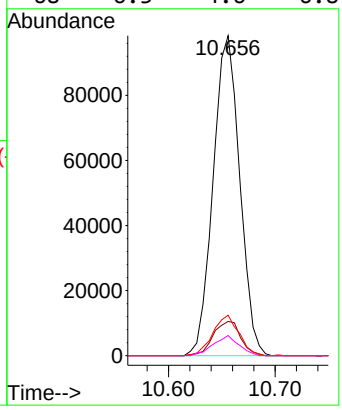




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.656 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:136 Resp: 17013

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.5	12.7
54	12.6	9.9	14.9
68	6.3	4.6	6.8



Instrument :
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ClientSampleId :
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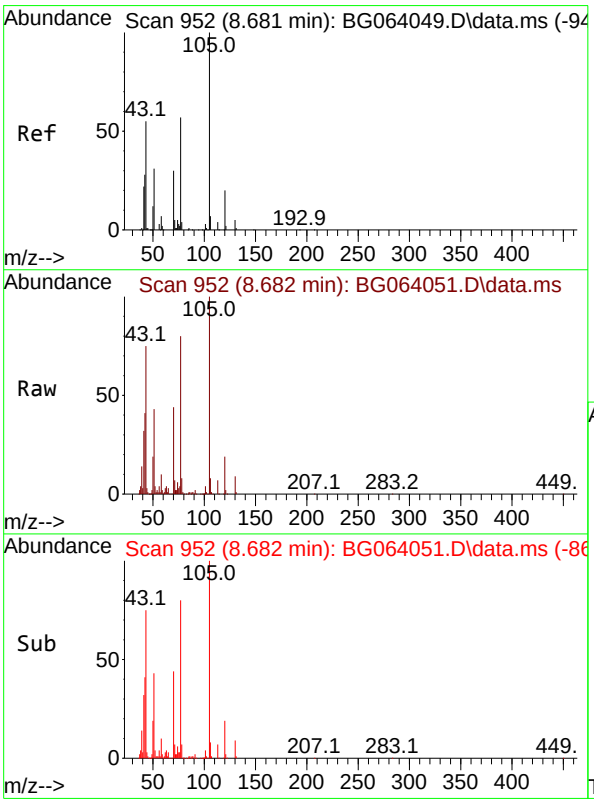
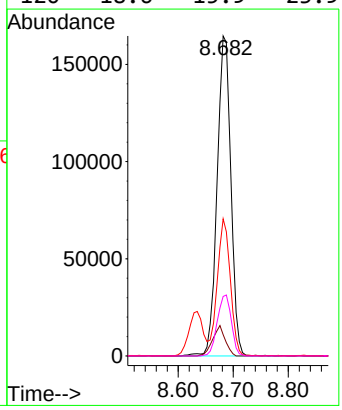
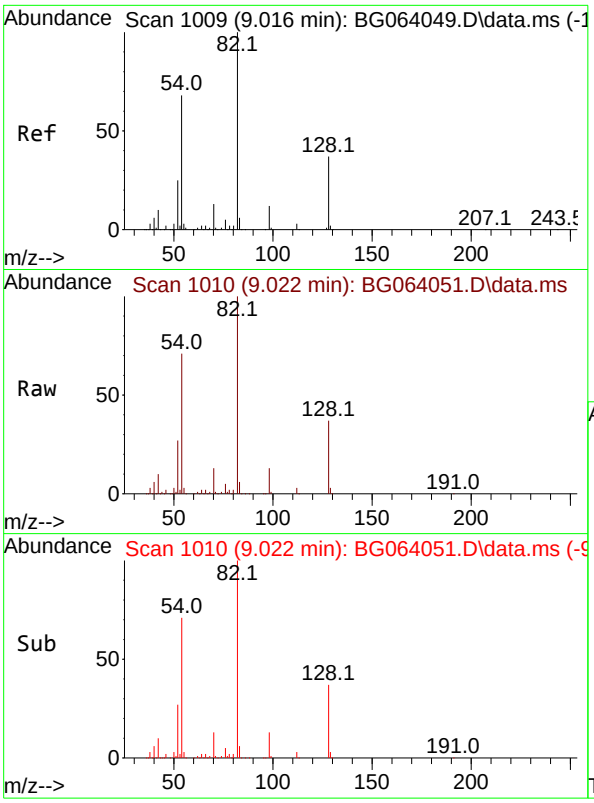


#22
Acetophenone
Concen: 61.365 ng
RT: 8.682 min Scan# 952
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:105 Resp: 286250

Ion	Ratio	Lower	Upper
105	100		
71	6.7	4.2	6.4#
51	42.8	33.3	49.9
120	18.6	15.9	23.9

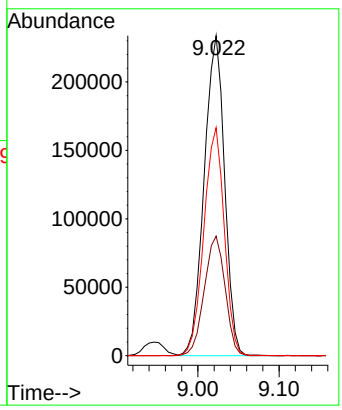




#23
Nitrobenzene-d5
Concen: 132.600 ng
RT: 9.022 min Scan# 1
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion: 82 Resp: 40823

Ion	Ratio	Lower	Upper
82	100		
128	37.4	30.0	45.0
54	71.2	54.7	82.1



Instrument :
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ClientSampleId :
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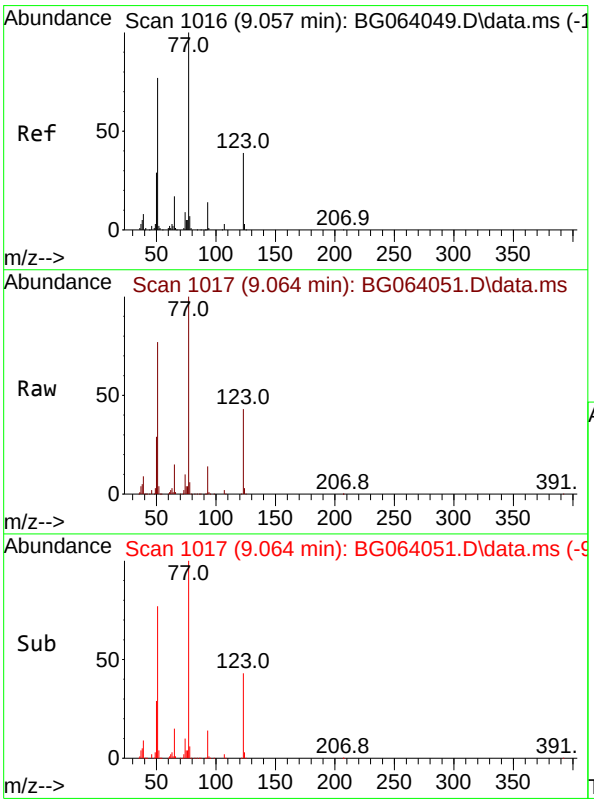
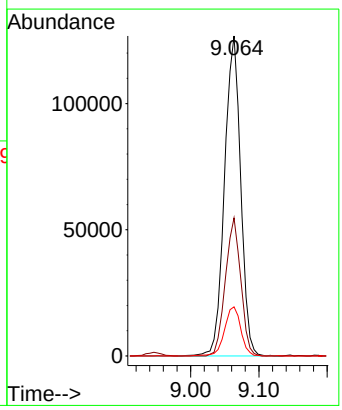
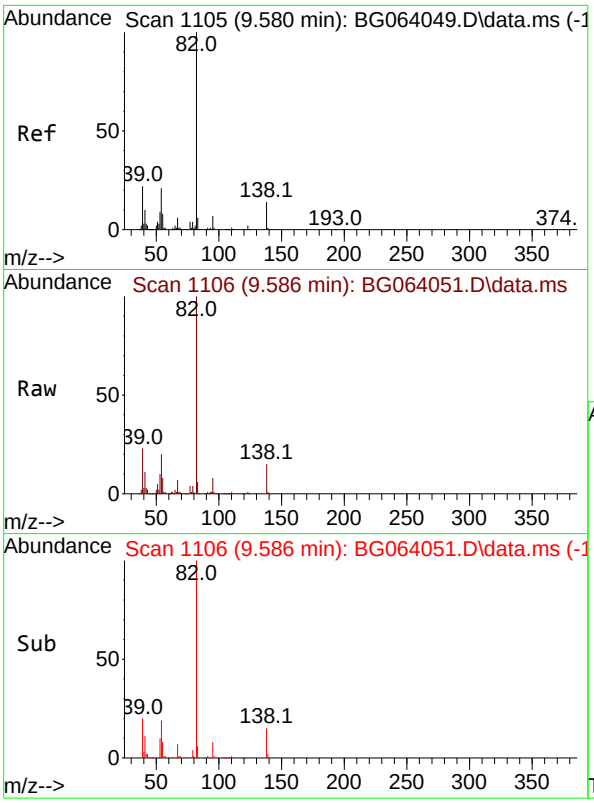


#24
Nitrobenzene
Concen: 65.613 ng
RT: 9.064 min Scan# 1017
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion: 77 Resp: 208758

Ion	Ratio	Lower	Upper
77	100		
123	43.2	31.4	47.2
65	15.4	13.4	20.0

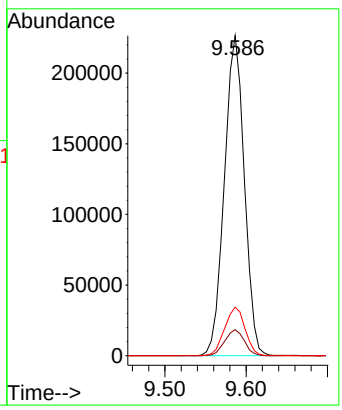




#25
Isophorone
Concen: 62.743 ng
RT: 9.586 min Scan# 1
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion: 82 Resp: 38662

Ion	Ratio	Lower	Upper
82	100		
95	8.2	5.8	8.8
138	15.2	10.9	16.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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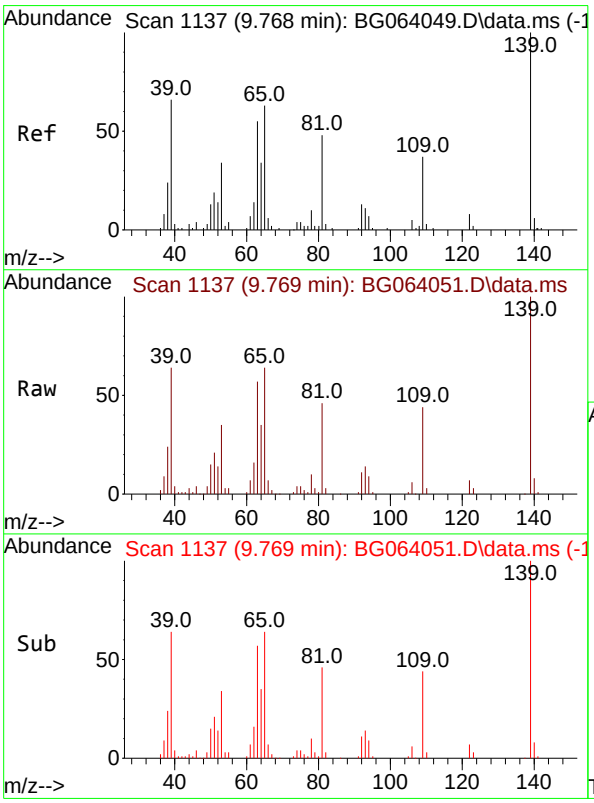
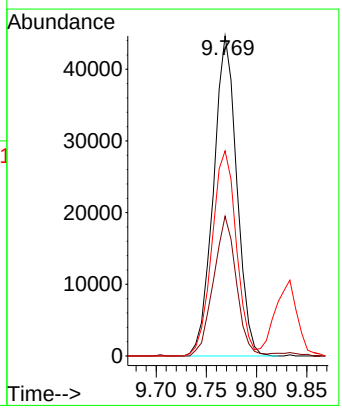
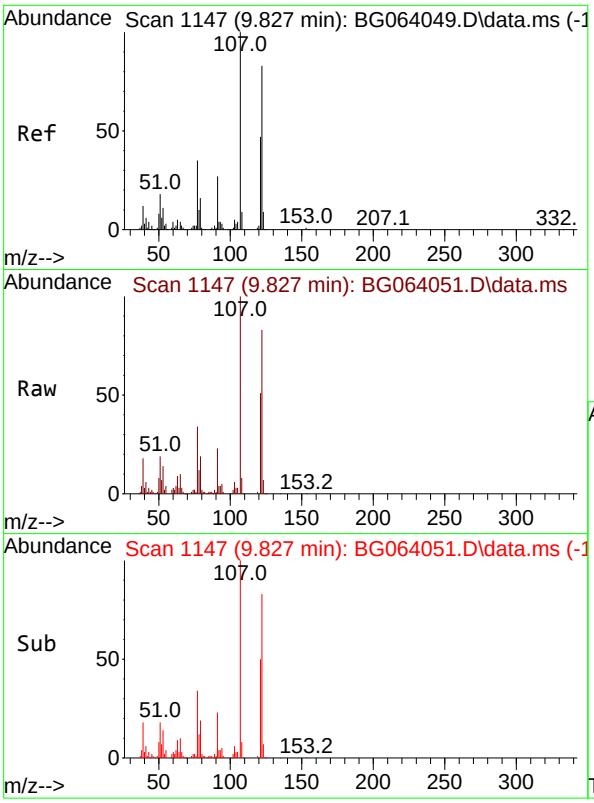


#26
2-Nitrophenol
Concen: 61.605 ng
RT: 9.769 min Scan# 1137
Delta R.T. 0.001 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:139 Resp: 72153

Ion	Ratio	Lower	Upper
139	100		
109	43.6	29.9	44.9
65	64.1	50.6	76.0

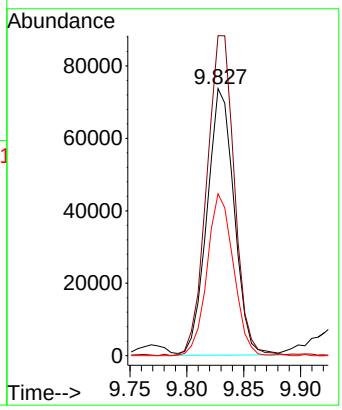




#27
2,4-Dimethylphenol
Concen: 66.054 ng
RT: 9.827 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:122 Resp: 12202

Ion	Ratio	Lower	Upper
122	100		
107	119.8	95.4	143.0
121	60.6	44.9	67.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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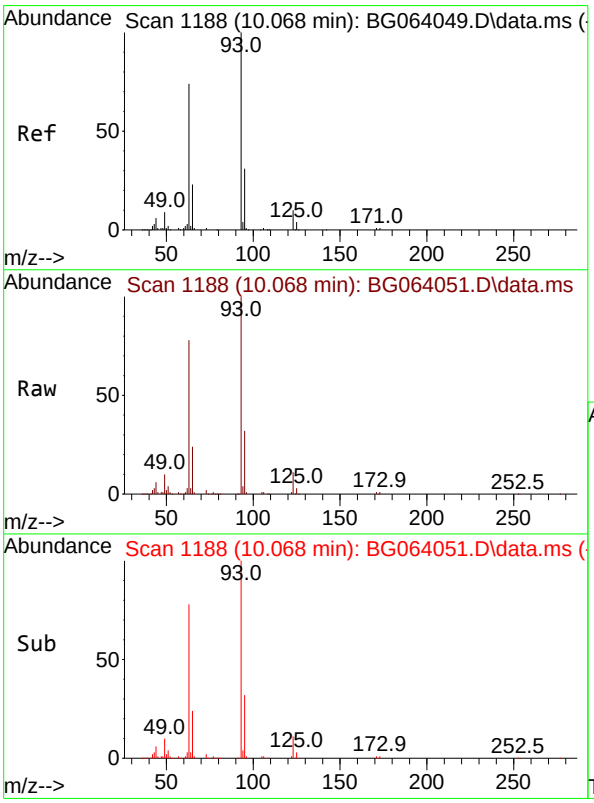
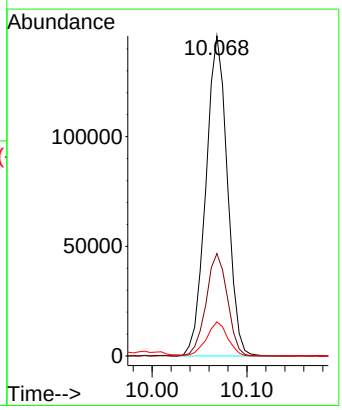
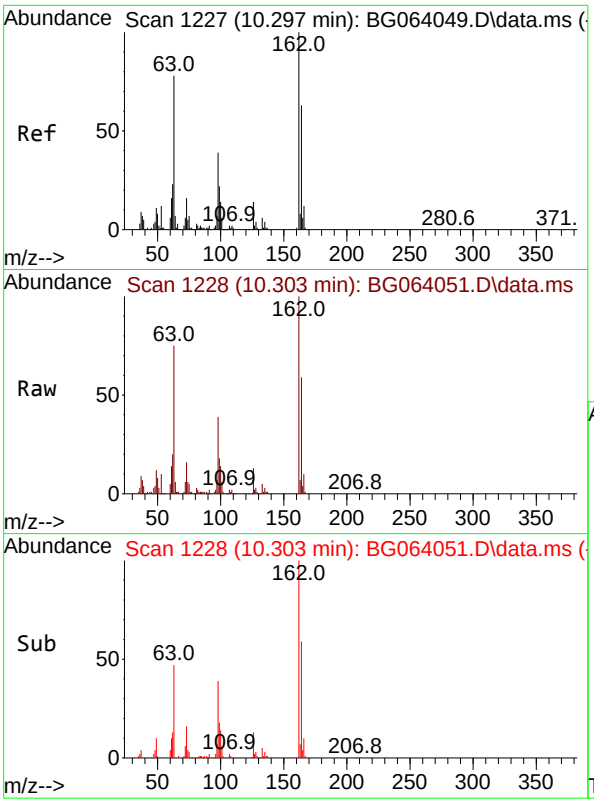


#28
bis(2-Chloroethoxy)methane
Concen: 61.387 ng
RT: 10.068 min Scan# 1188
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion: 93 Resp: 229336

Ion	Ratio	Lower	Upper
93	100		
95	32.0	25.0	37.4
123	10.6	7.6	11.4

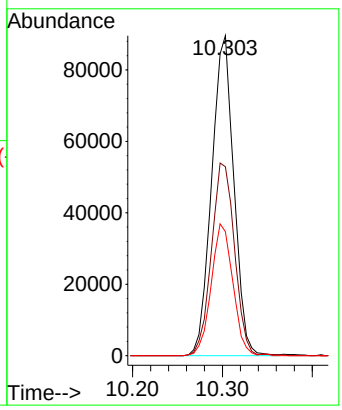




#29
2,4-Dichlorophenol
Concen: 65.920 ng
RT: 10.303 min Scan# 1
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:162 Resp: 15376

Ion	Ratio	Lower	Upper
162	100		
164	59.0	42.8	82.8
98	38.7	19.1	59.1



Instrument :
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ClientSampleId :
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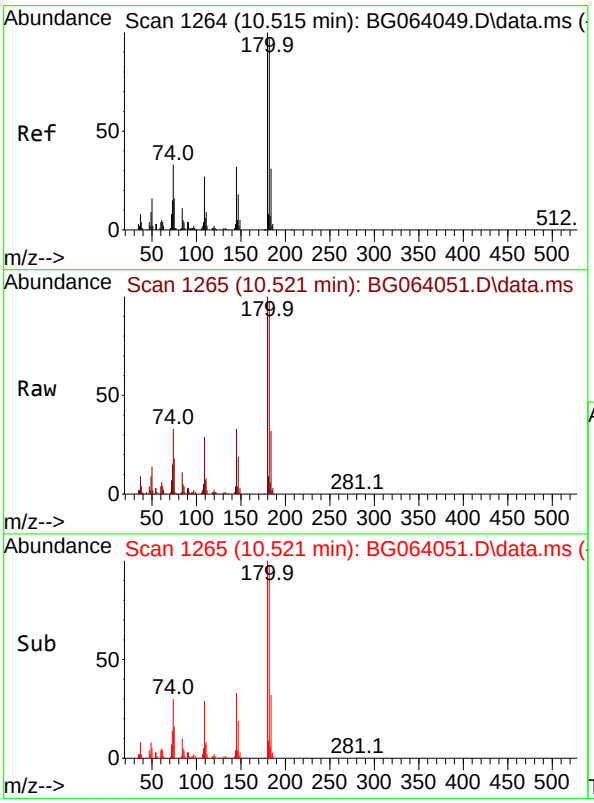
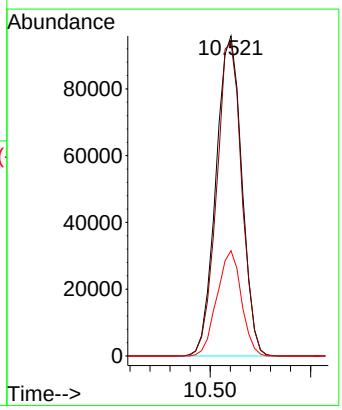
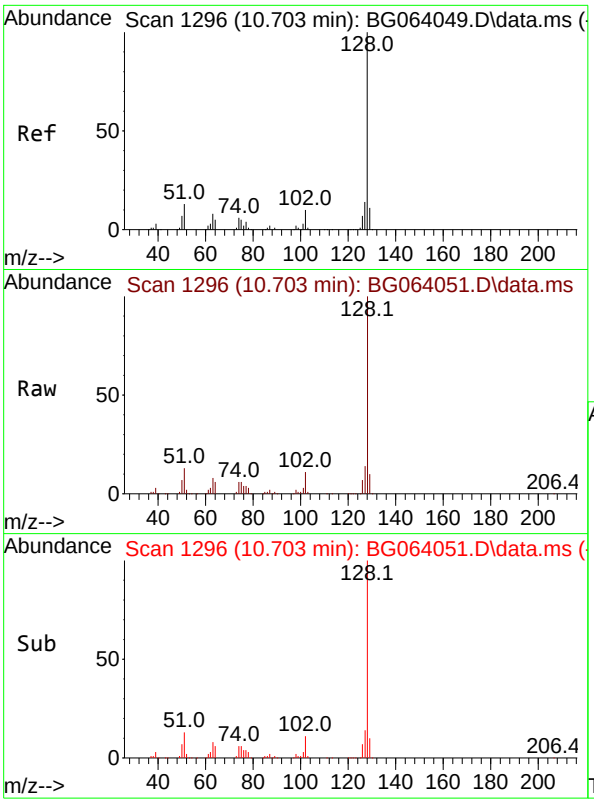


#30
1,2,4-Trichlorobenzene
Concen: 60.677 ng
RT: 10.521 min Scan# 1265
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:180 Resp: 170860

Ion	Ratio	Lower	Upper
180	100		
182	98.1	77.3	115.9
145	32.9	25.2	37.8

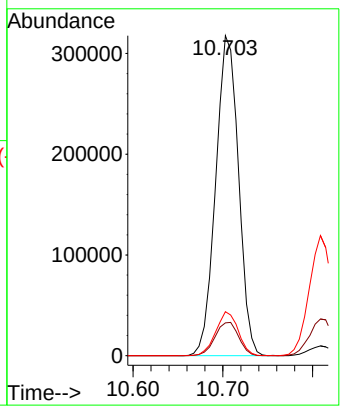




#31
Naphthalene
Concen: 61.037 ng
RT: 10.703 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:128 Resp: 55995

Ion	Ratio	Lower	Upper
128	100		
129	10.2	8.4	12.6
127	13.7	11.1	16.7



Instrument :
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ClientSampleId :
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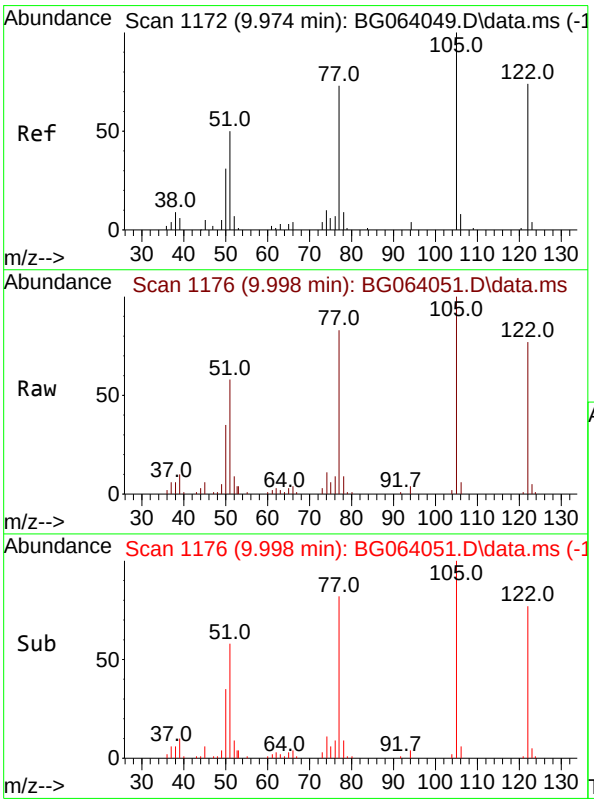
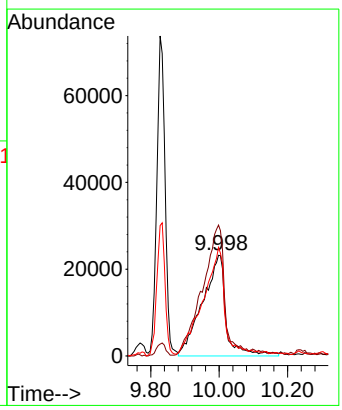
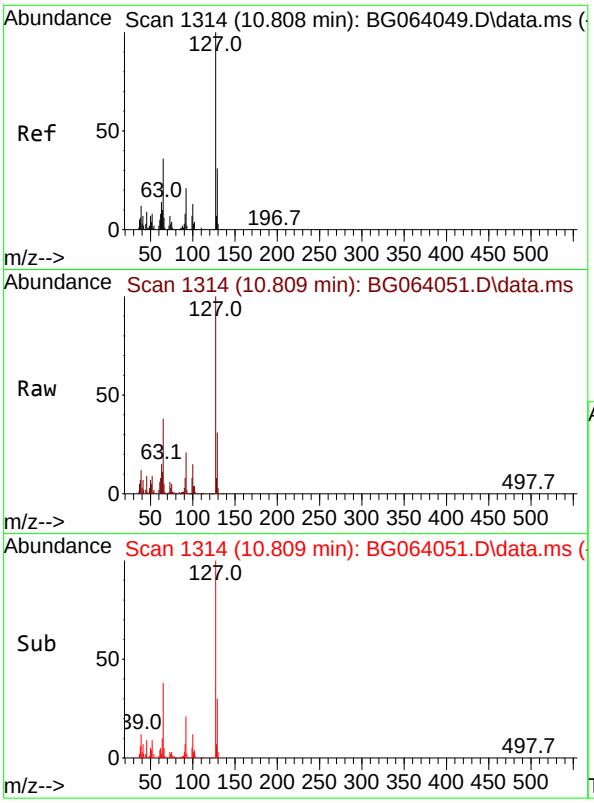


#32
Benzoic acid
Concen: 62.274 ng m
RT: 9.998 min Scan# 1176
Delta R.T. 0.024 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:122 Resp: 110878

Ion	Ratio	Lower	Upper
122	100		
105	130.0	115.0	155.0
77	107.8	80.9	120.9

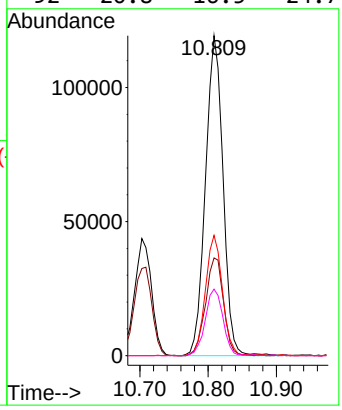




#33
4-Chloroaniline
Concen: 63.850 ng
RT: 10.809 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:127 Resp: 21409

Ion	Ratio	Lower	Upper
127	100		
129	30.5	25.0	37.4
65	37.6	28.5	42.7
92	20.8	16.5	24.7



Instrument :
BNA_G
ClientSampleId :
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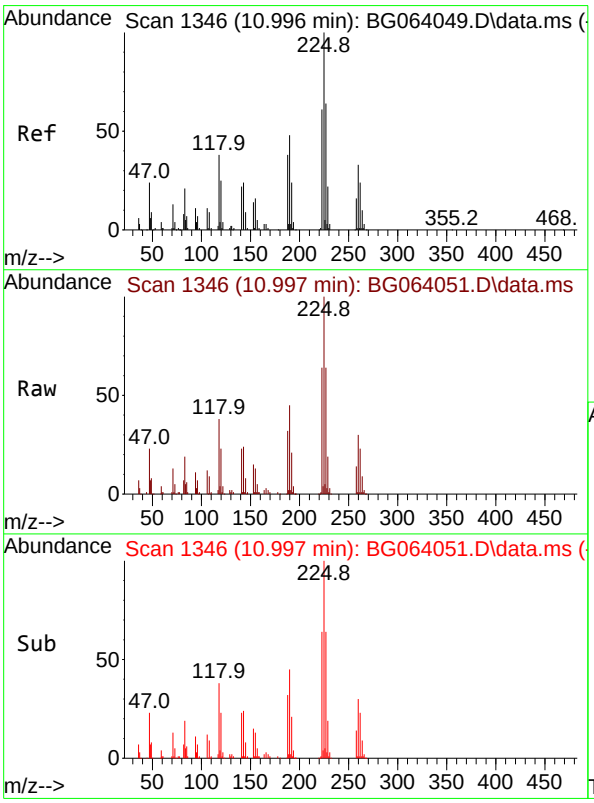
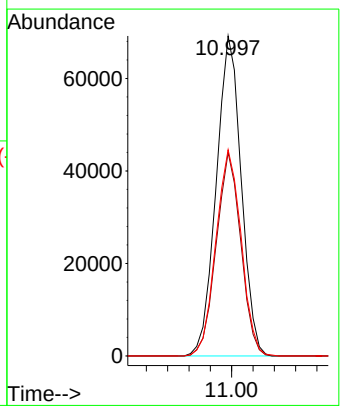
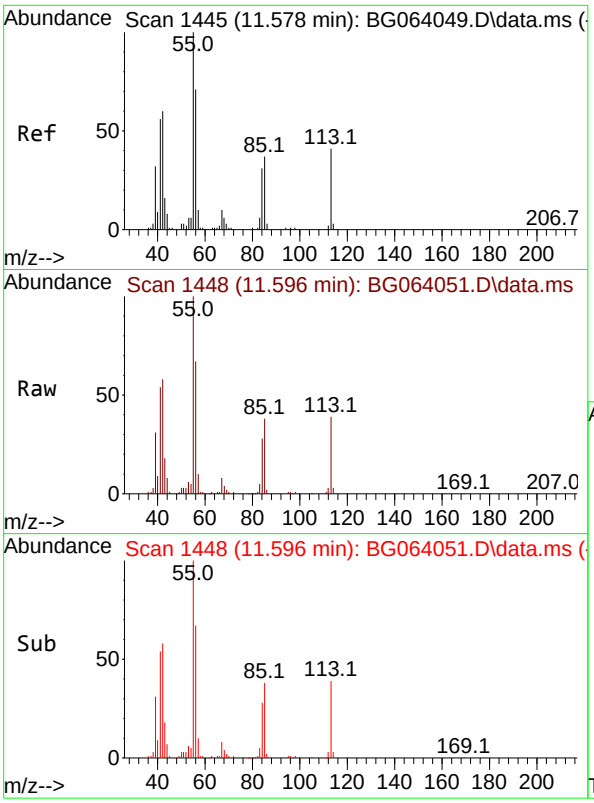


#34
Hexachlorobutadiene
Concen: 60.903 ng
RT: 10.997 min Scan# 1346
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:225 Resp: 112408

Ion	Ratio	Lower	Upper
225	100		
223	63.6	48.5	72.7
227	64.5	51.0	76.6





#35
Caprolactam
Concen: 64.020 ng
RT: 11.596 min Scan# 14
Delta R.T. 0.018 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:113 Resp: 5722

Ion	Ratio	Lower	Upper
113	100		
55	257.6	225.2	265.2
56	171.7	153.4	193.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
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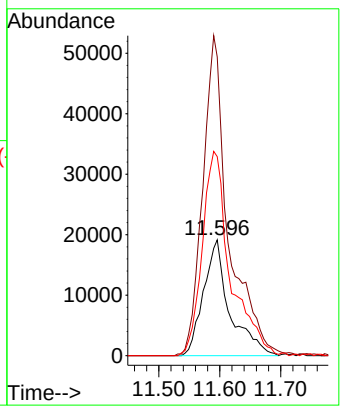
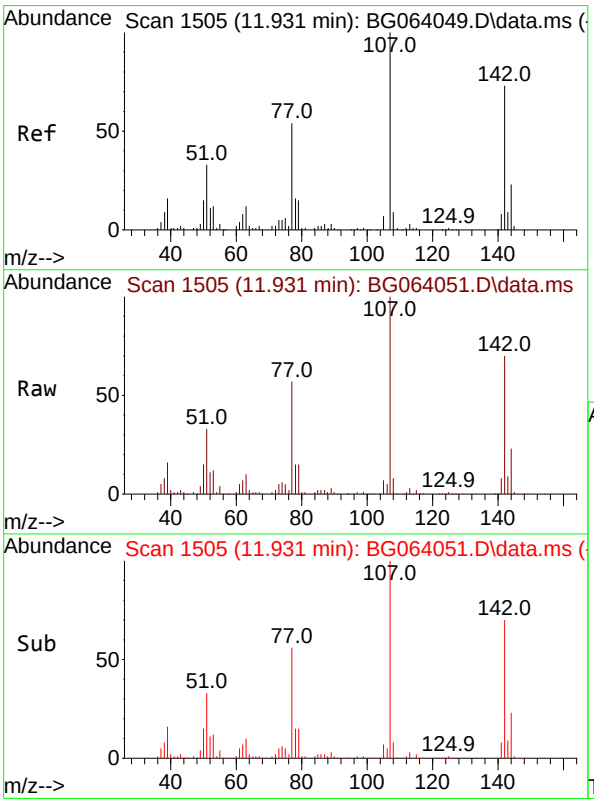
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

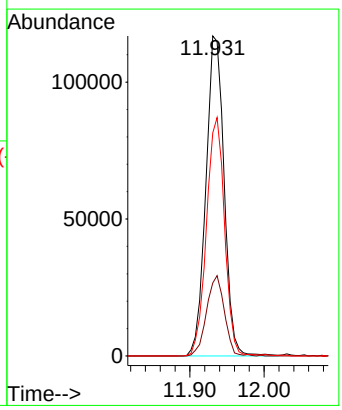


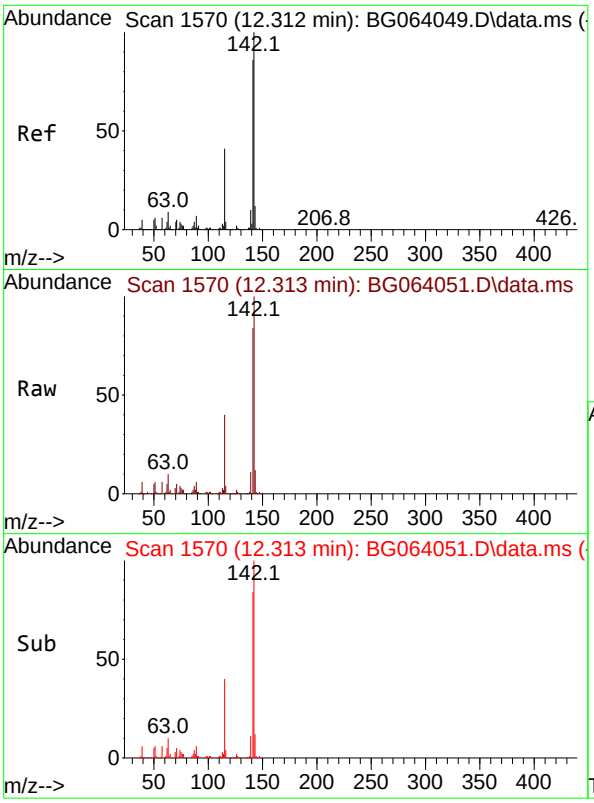


#36
4-Chloro-3-methylphenol
Concen: 65.149 ng
RT: 11.931 min Scan# 1505
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:107 Resp: 199201

Ion	Ratio	Lower	Upper
107	100		
144	22.8	18.6	28.0
142	69.7	58.0	87.0

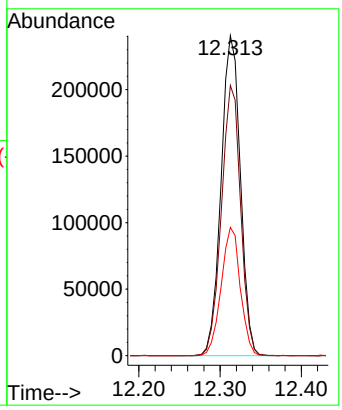




#37
2-Methylnaphthalene
Concen: 61.379 ng
RT: 12.313 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:142 Resp: 39752

Ion	Ratio	Lower	Upper
142	100		
141	84.5	68.6	103.0
115	40.1	32.8	49.2



Instrument :
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ClientSampleId :
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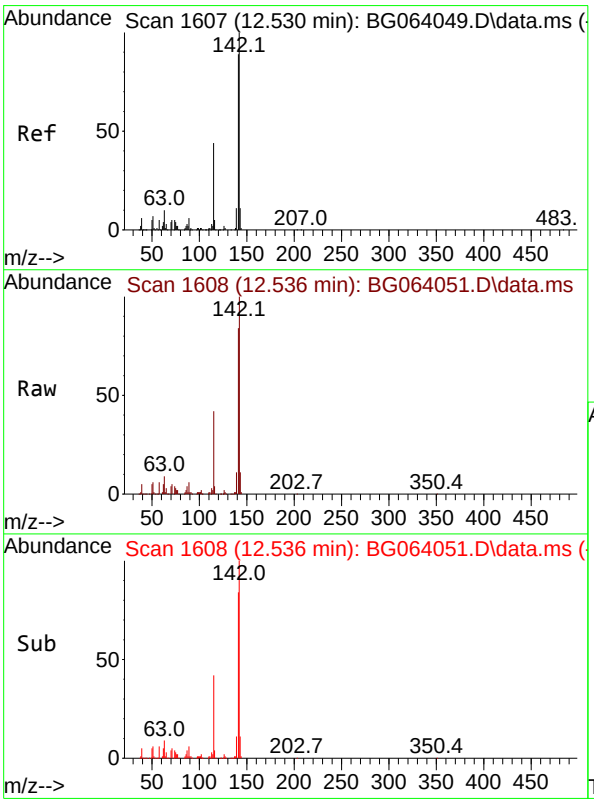
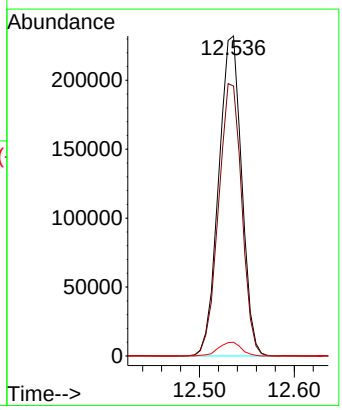
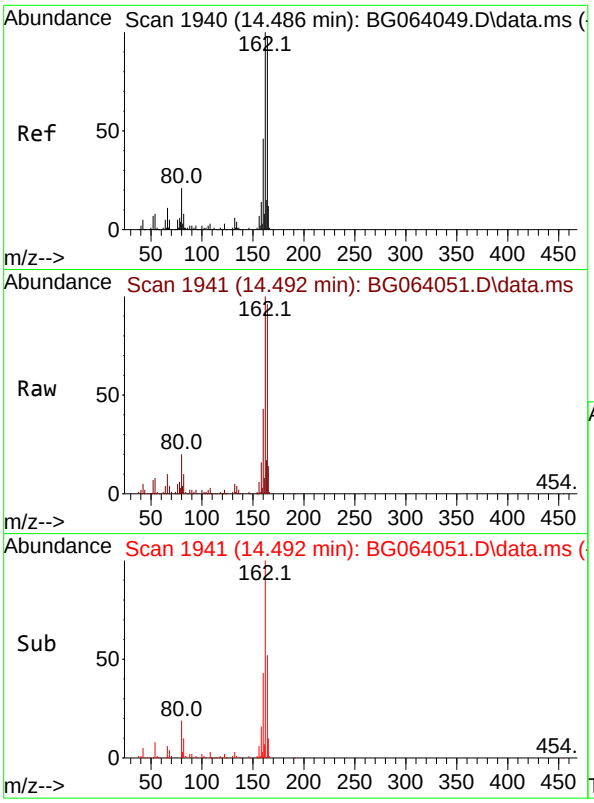


#38
1-Methylnaphthalene
Concen: 61.745 ng
RT: 12.536 min Scan# 1608
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:142 Resp: 391774

Ion	Ratio	Lower	Upper
142	100		
141	84.3	71.2	106.8
116	4.3	3.6	5.4

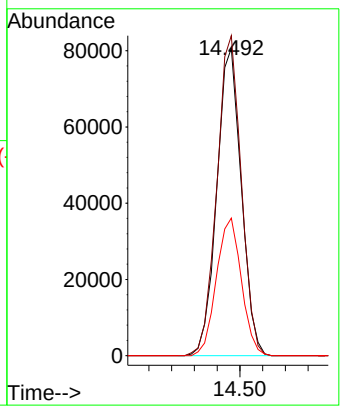




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.492 min Scan# 1
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:164 Resp: 12050

Ion	Ratio	Lower	Upper
164	100		
162	104.0	81.4	122.0
160	44.7	37.0	55.6



Instrument :
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ClientSampleId :
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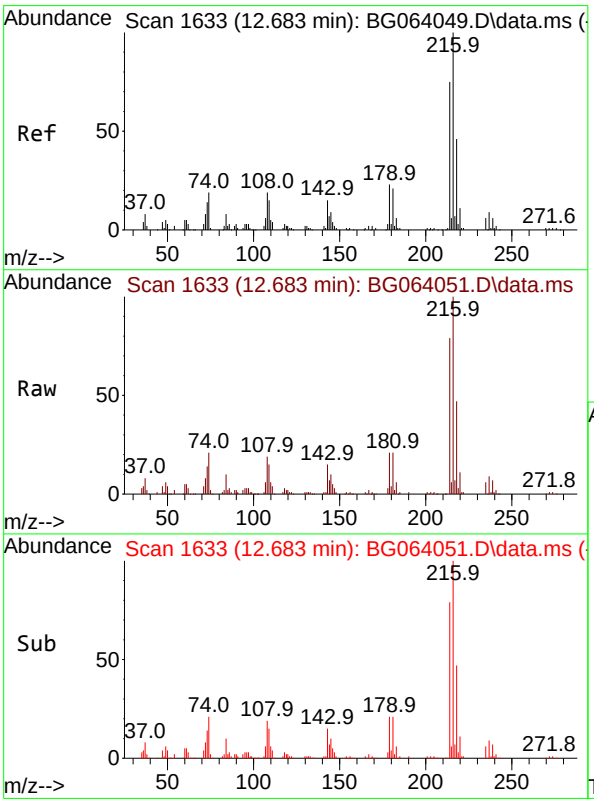
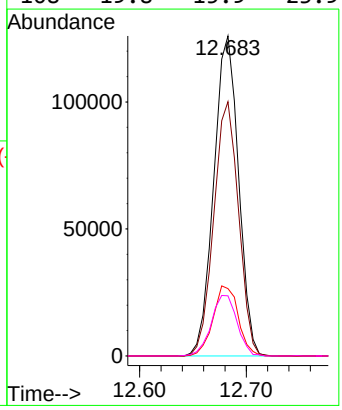
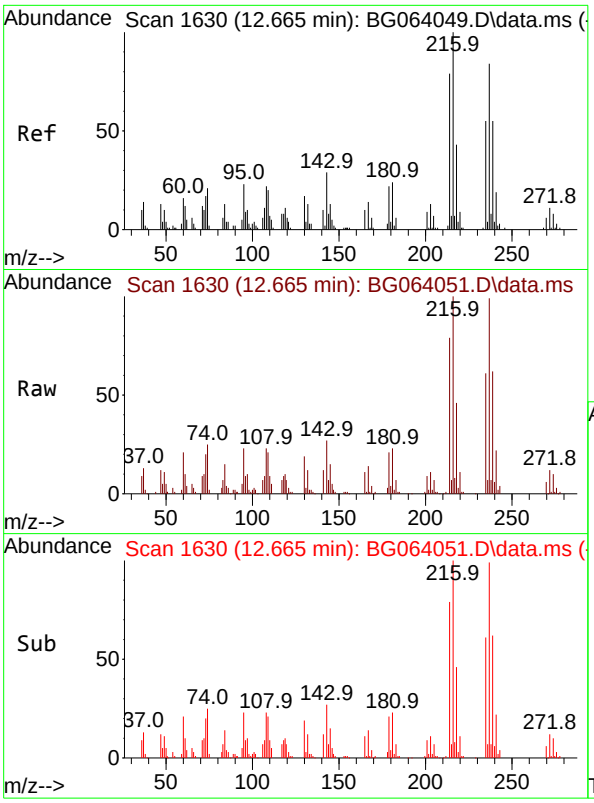


#40
1,2,4,5-Tetrachlorobenzene
Concen: 59.063 ng
RT: 12.683 min Scan# 1633
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:216 Resp: 203188

Ion	Ratio	Lower	Upper
216	100		
214	79.3	61.7	92.5
179	22.3	17.9	26.9
108	19.8	15.9	23.9

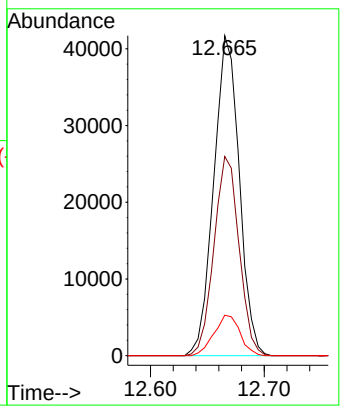




#41
Hexachlorocyclopentadiene
Concen: 67.203 ng
RT: 12.665 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:237 Resp: 6507(

Ion	Ratio	Lower	Upper
237	100		
235	62.2	46.0	86.0
272	12.7	0.0	32.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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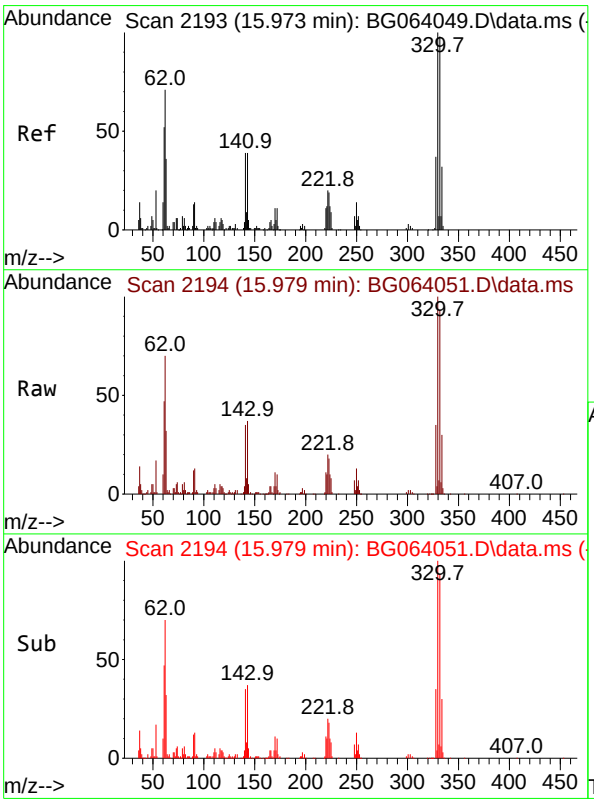
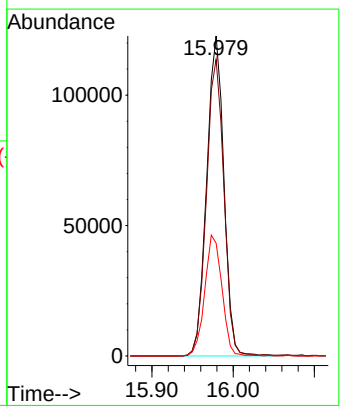
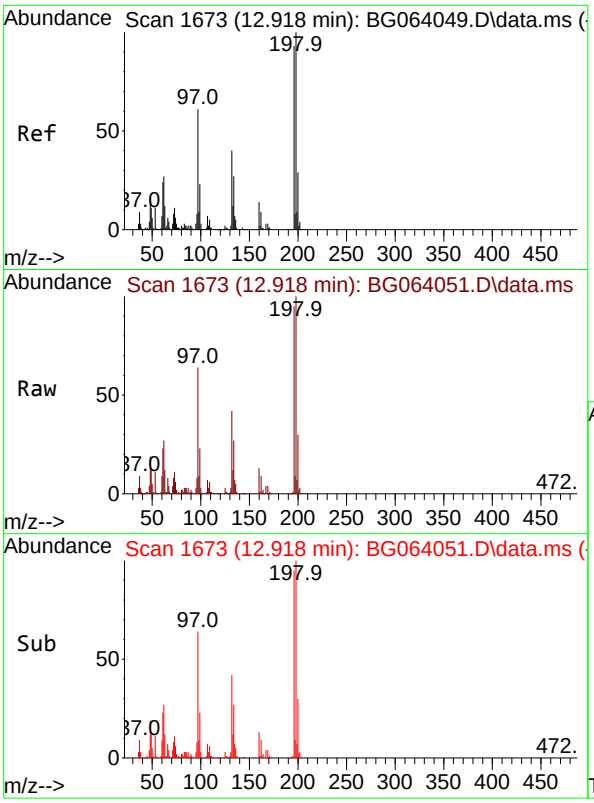


#42
2,4,6-Tribromophenol
Concen: 134.808 ng
RT: 15.979 min Scan# 2194
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:330 Resp: 180569

Ion	Ratio	Lower	Upper
330	100		
332	93.7	76.7	115.1
141	37.7	29.7	44.5





#43
2,4,6-Trichlorophenol
Concen: 65.693 ng
RT: 12.918 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:196 Resp: 13319

Ion	Ratio	Lower	Upper
196	100		
198	105.7	85.6	128.4
200	31.6	24.6	37.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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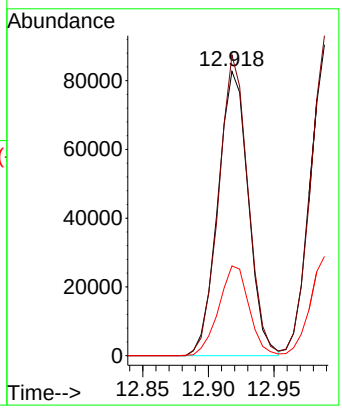
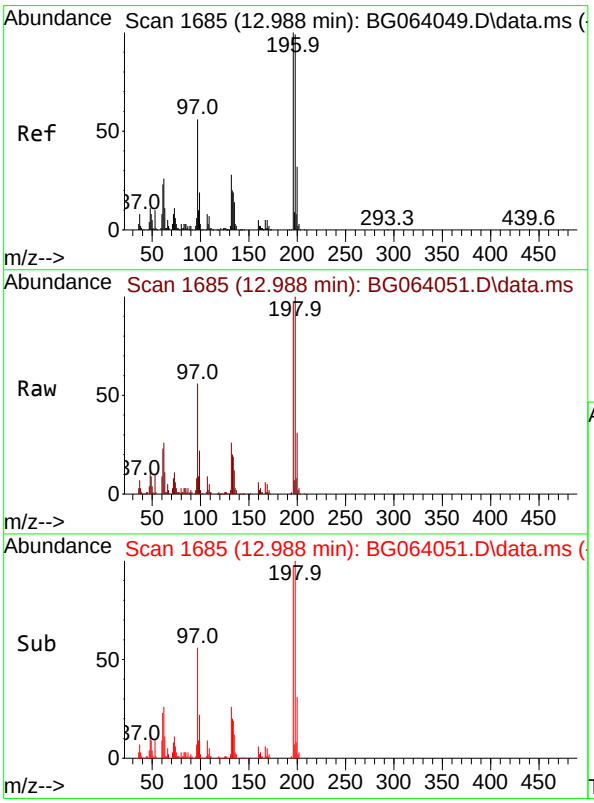
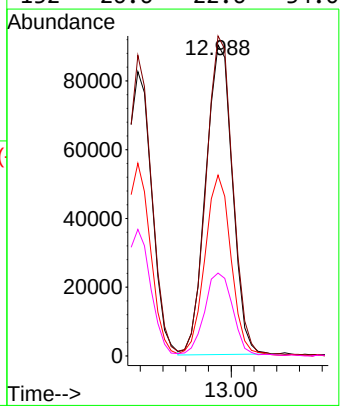


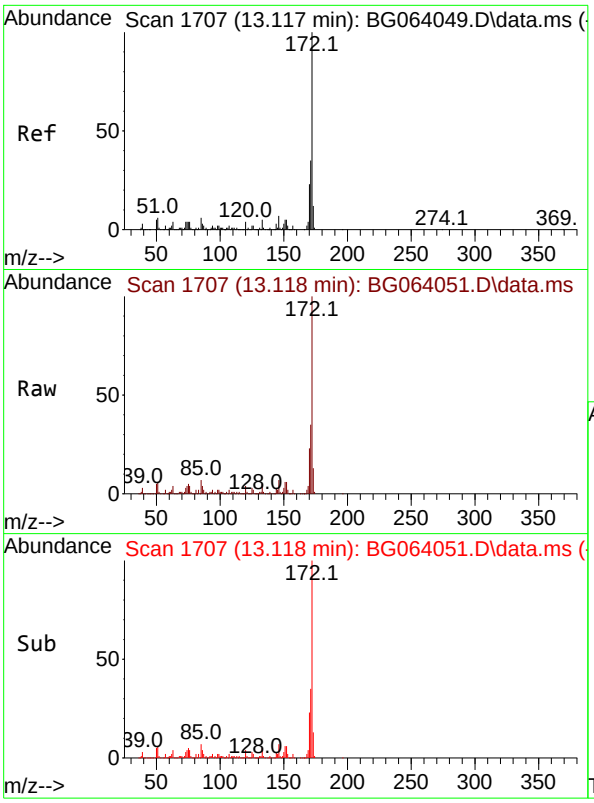


#44
2,4,5-Trichlorophenol
Concen: 65.338 ng
RT: 12.988 min Scan# 1685
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:196 Resp: 147199

Ion	Ratio	Lower	Upper
196	100		
198	102.9	79.5	119.3
97	58.1	45.2	67.8
132	26.6	22.6	34.0

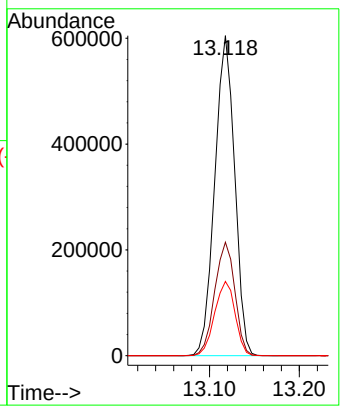




#45
2-Fluorobiphenyl
Concen: 116.978 ng
RT: 13.118 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:172 Resp: 92865

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.0	42.0
170	23.2	18.7	28.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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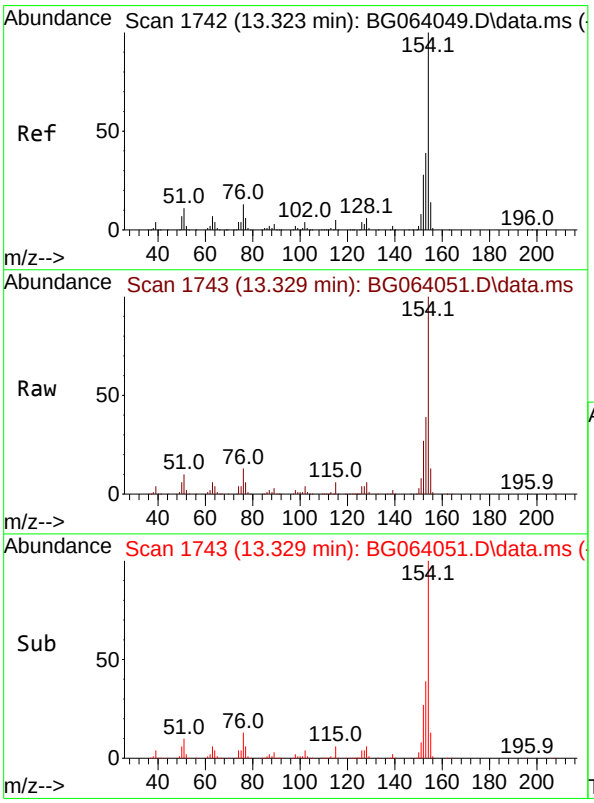
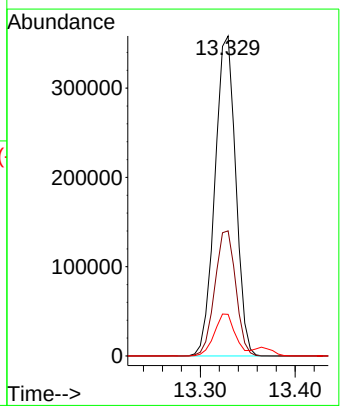
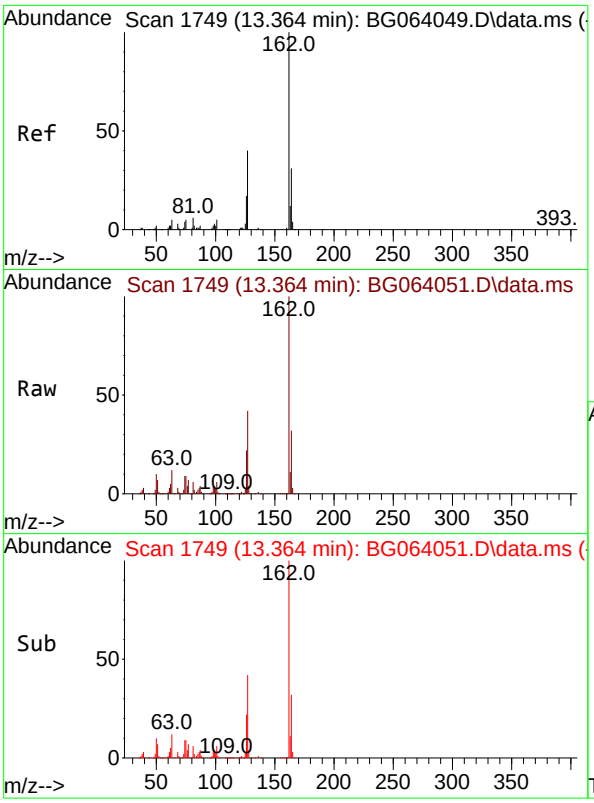


#46
1,1'-Biphenyl
Concen: 60.056 ng
RT: 13.329 min Scan# 1743
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:154 Resp: 546747

Ion	Ratio	Lower	Upper
154	100		
153	39.1	19.5	59.5
76	13.0	0.0	33.5

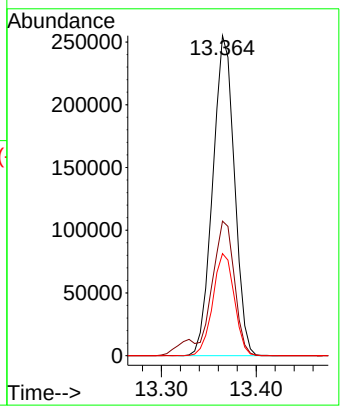




#47
2-Chloronaphthalene
Concen: 61.023 ng
RT: 13.364 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:162 Resp: 40517

Ion	Ratio	Lower	Upper
162	100		
127	42.1	35.0	52.4
164	31.9	25.0	37.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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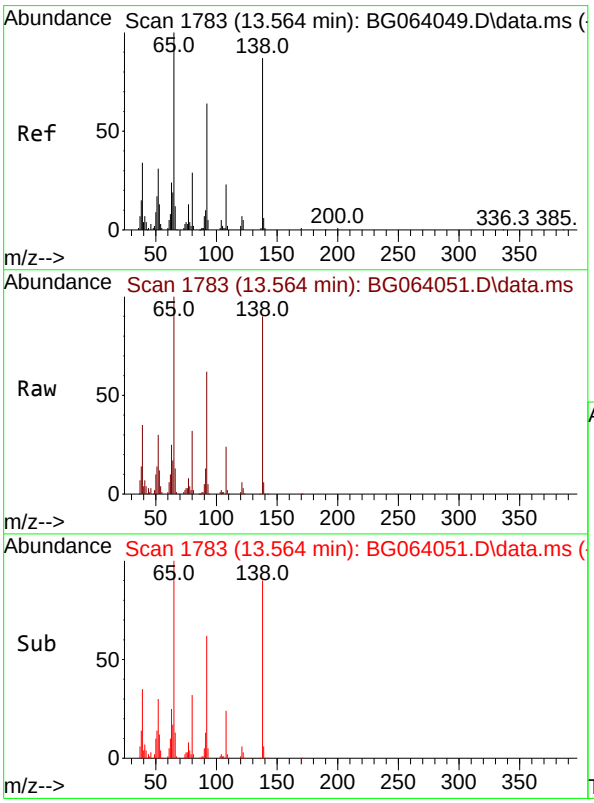
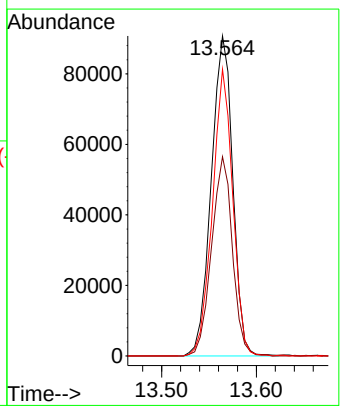
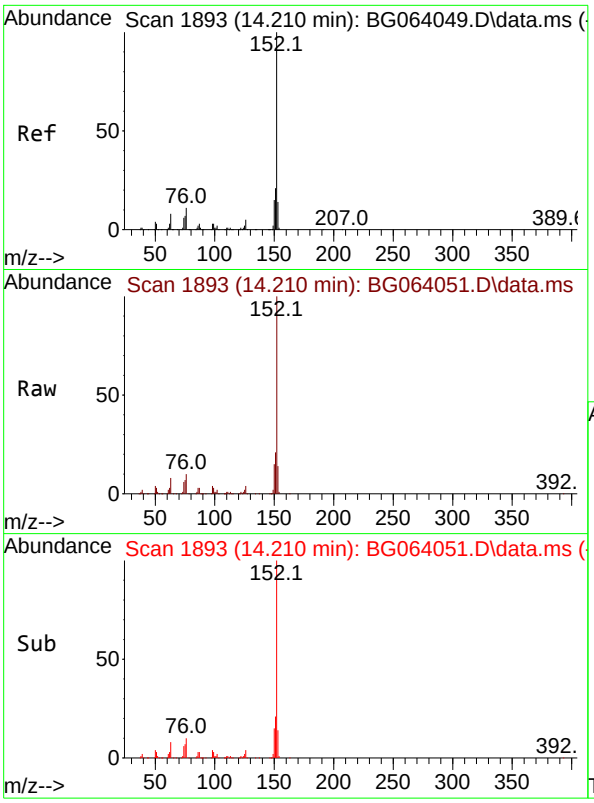


#48
2-Nitroaniline
Concen: 61.521 ng
RT: 13.564 min Scan# 1783
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion: 65 Resp: 143213

Ion	Ratio	Lower	Upper
65	100		
92	62.2	51.2	76.8
138	89.6	69.4	104.2

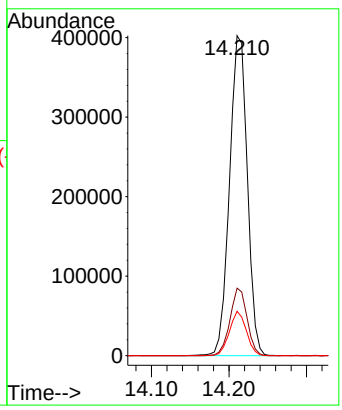




#49
Acenaphthylene
Concen: 61.154 ng
RT: 14.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:152 Resp: 64225

Ion	Ratio	Lower	Upper
152	100		
151	21.1	16.4	24.6
153	13.9	10.9	16.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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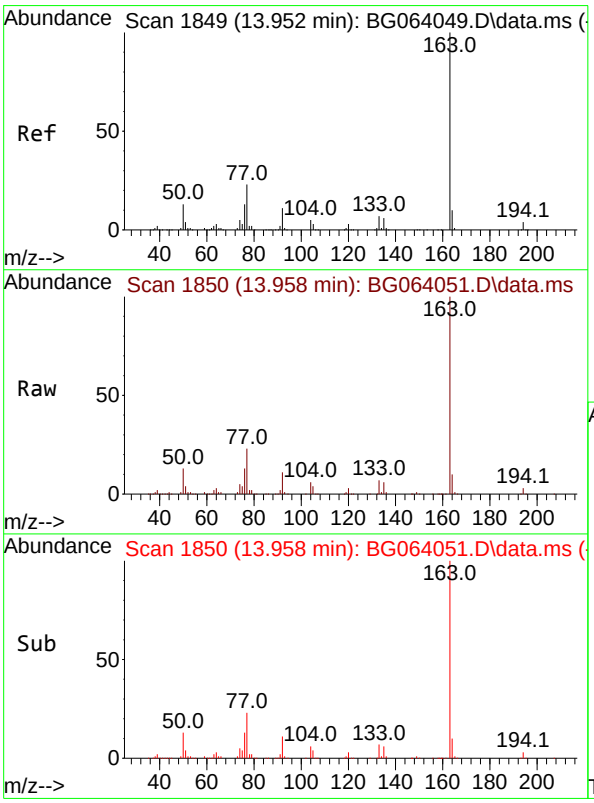
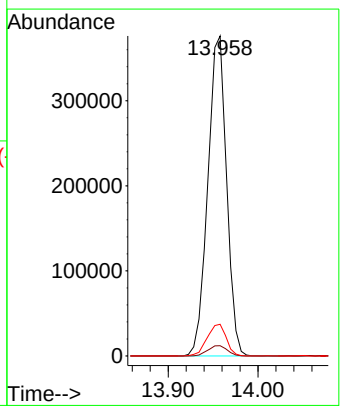
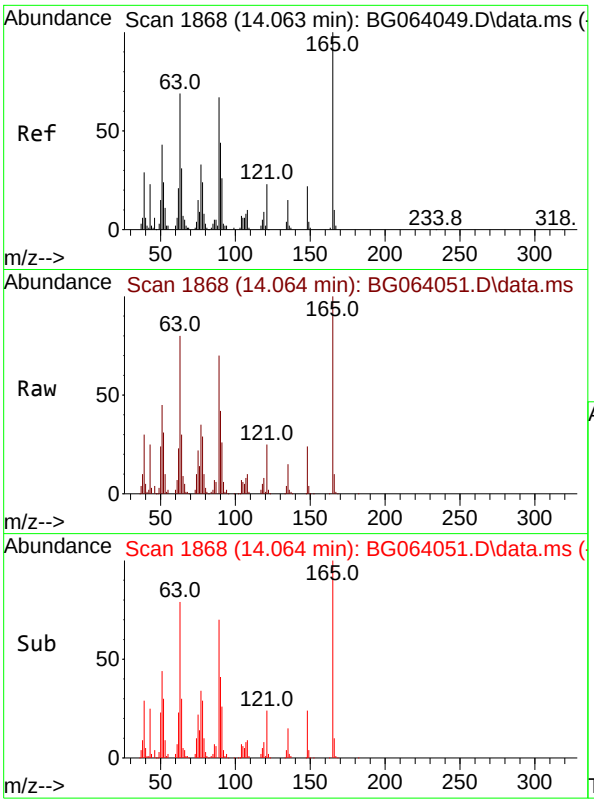


#50
Dimethylphthalate
Concen: 61.282 ng
RT: 13.958 min Scan# 1850
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:163 Resp: 545112

Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.8	4.2
164	9.9	8.2	12.2

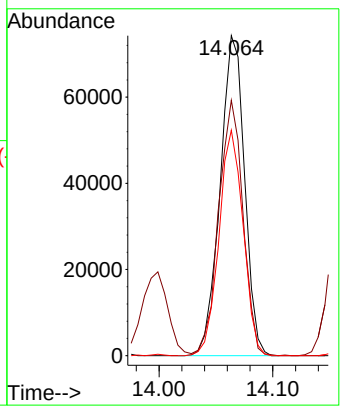




#51
2,6-Dinitrotoluene
Concen: 60.475 ng
RT: 14.064 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:165 Resp: 11082

Ion	Ratio	Lower	Upper
165	100		
63	79.8	56.7	85.1
89	70.5	53.7	80.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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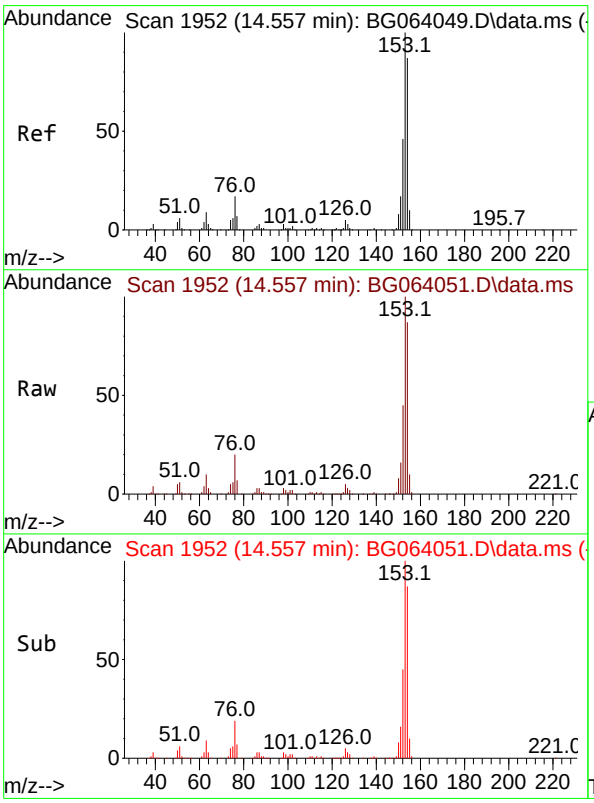
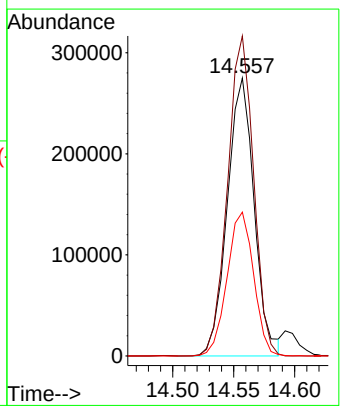
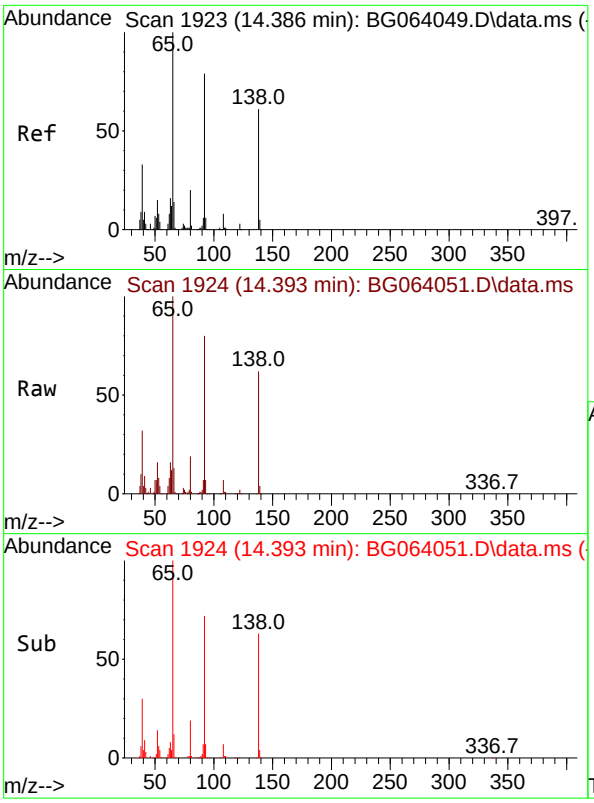


#52
Acenaphthene
Concen: 59.918 ng
RT: 14.557 min Scan# 1952
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:154 Resp: 423181

Ion	Ratio	Lower	Upper
154	100		
153	115.2	91.6	137.4
152	51.8	42.5	63.7





#53
3-Nitroaniline
Concen: 69.150 ng
RT: 14.393 min Scan# 1
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:138 Resp: 11888

Ion	Ratio	Lower	Upper
138	100		
108	11.8	10.1	15.1
92	129.1	104.1	156.1

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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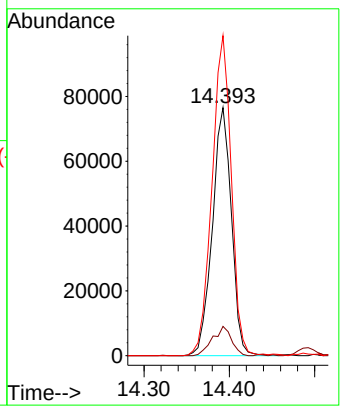
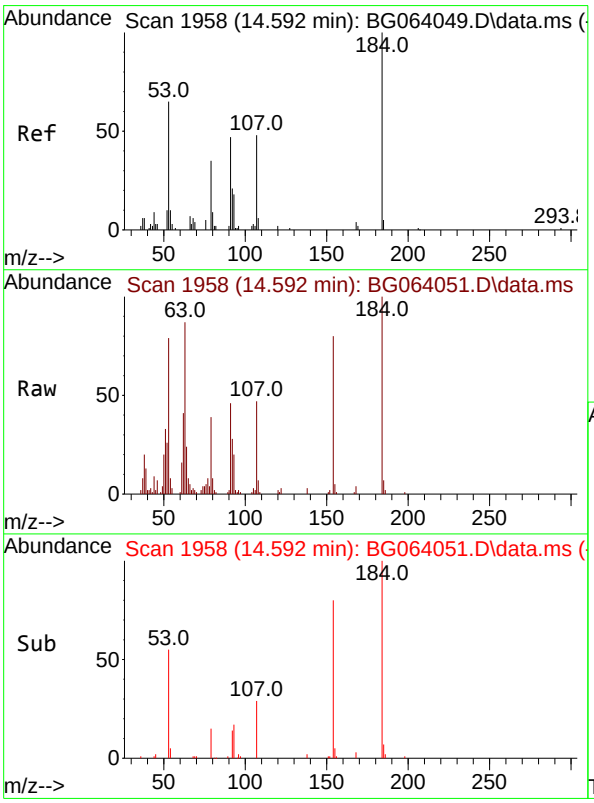
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

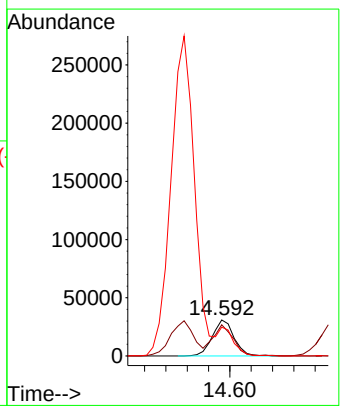


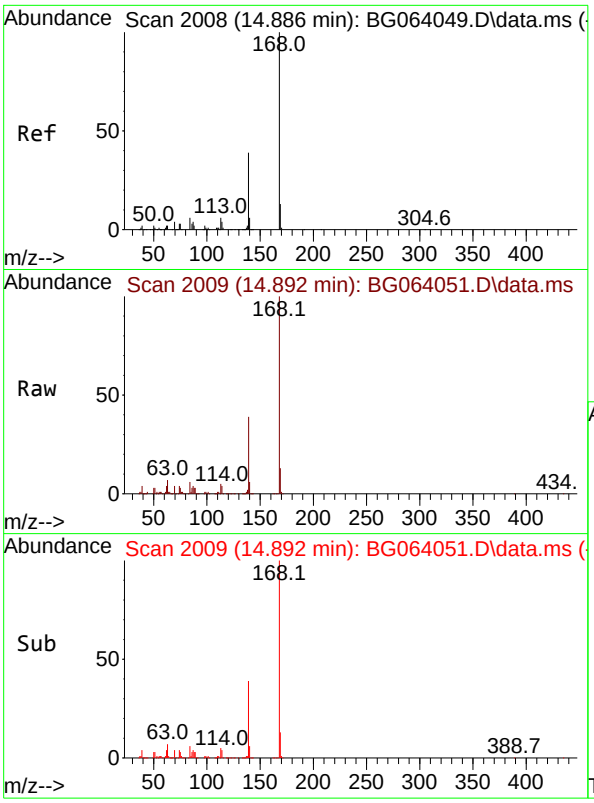


#54
2,4-Dinitrophenol
Concen: 60.118 ng
RT: 14.592 min Scan# 1958
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:184 Resp: 43597

Ion	Ratio	Lower	Upper
184	100		
63	86.6	57.5	86.3#
154	80.0	52.3	78.5#

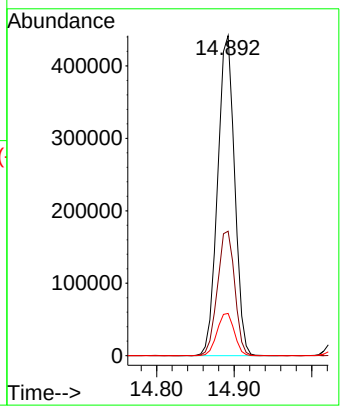




#55
Dibenzofuran
Concen: 59.009 ng
RT: 14.892 min Scan# 2
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:168 Resp: 67376

Ion	Ratio	Lower	Upper
168	100		
139	38.9	31.1	46.7
169	13.2	10.5	15.7



Instrument :
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ClientSampleId :
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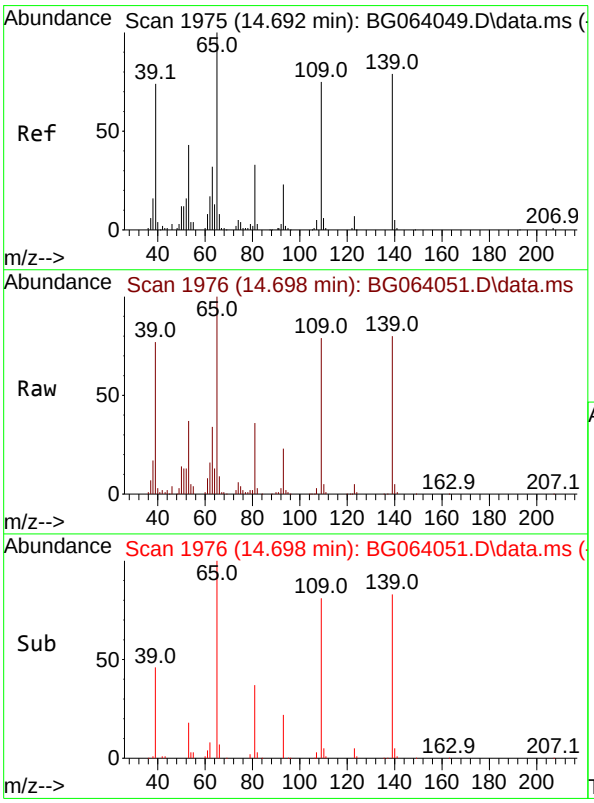
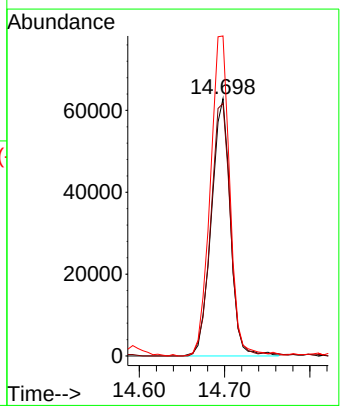
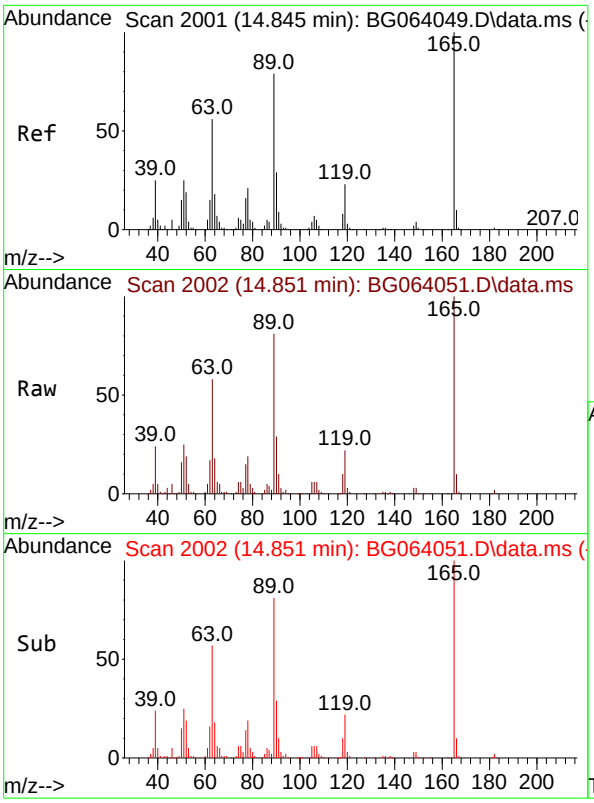


#56
4-Nitrophenol
Concen: 67.751 ng
RT: 14.698 min Scan# 1976
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:139 Resp: 97685

Ion	Ratio	Lower	Upper
139	100		
109	98.1	74.9	114.9
65	124.4	106.8	146.8

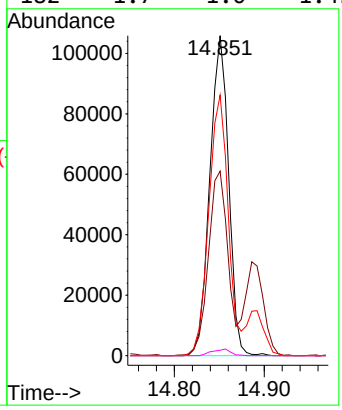




#57
2,4-Dinitrotoluene
Concen: 60.762 ng
RT: 14.851 min Scan# 2
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:165 Resp: 15390

Ion	Ratio	Lower	Upper
165	100		
63	57.7	45.0	67.6
89	81.5	63.1	94.7
182	1.7	1.0	1.4#



Instrument :
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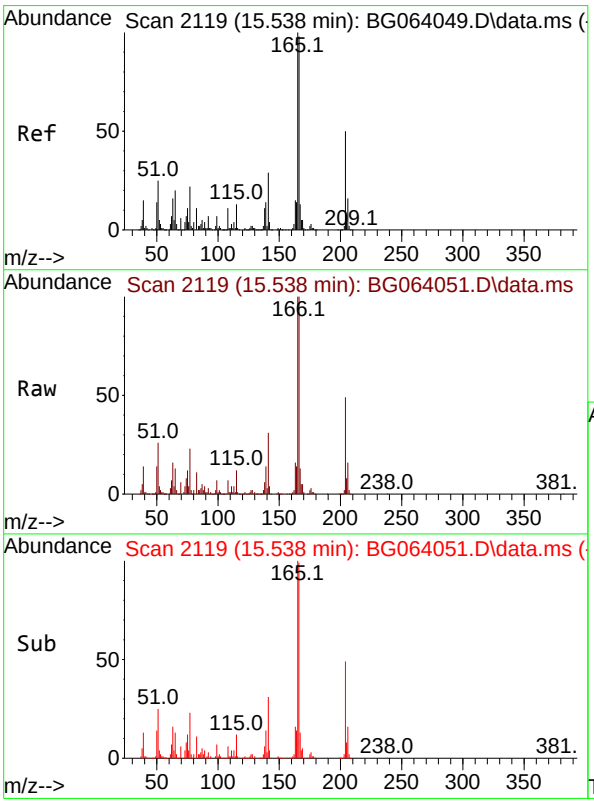
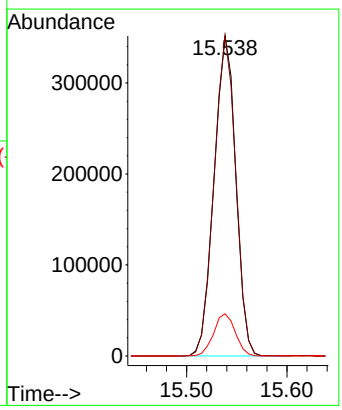
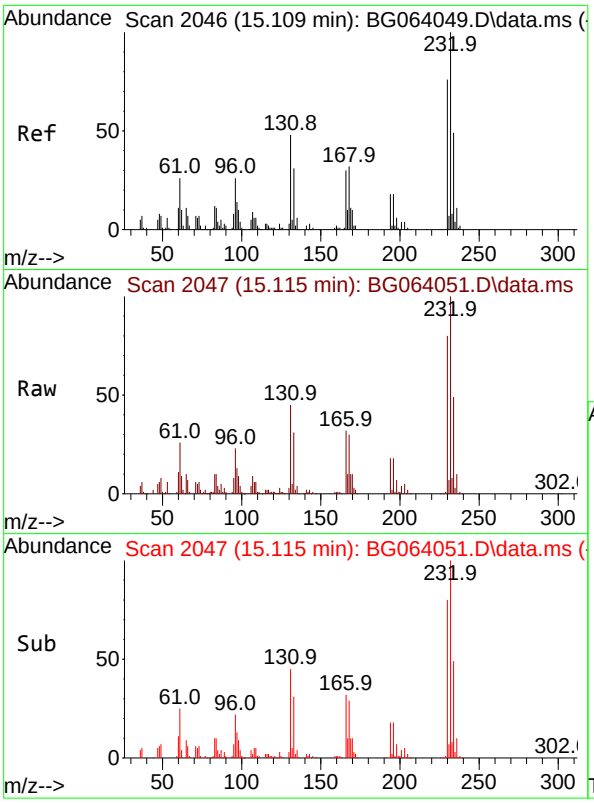


#58
Fluorene
Concen: 59.367 ng
RT: 15.538 min Scan# 2119
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:166 Resp: 527952

Ion	Ratio	Lower	Upper
166	100		
165	100.0	81.8	122.8
167	13.2	10.8	16.2

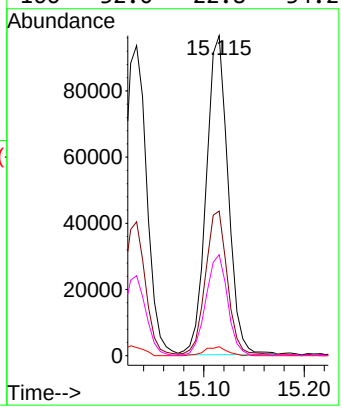




#59
2,3,4,6-Tetrachlorophenol
Concen: 66.199 ng
RT: 15.115 min Scan# 2
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:232 Resp: 14539

Ion	Ratio	Lower	Upper
232	100		
131	46.7	36.3	54.5
130	2.9	1.9	2.9
166	32.0	22.8	34.2



Instrument :
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ClientSampleId :
SSTDICC060

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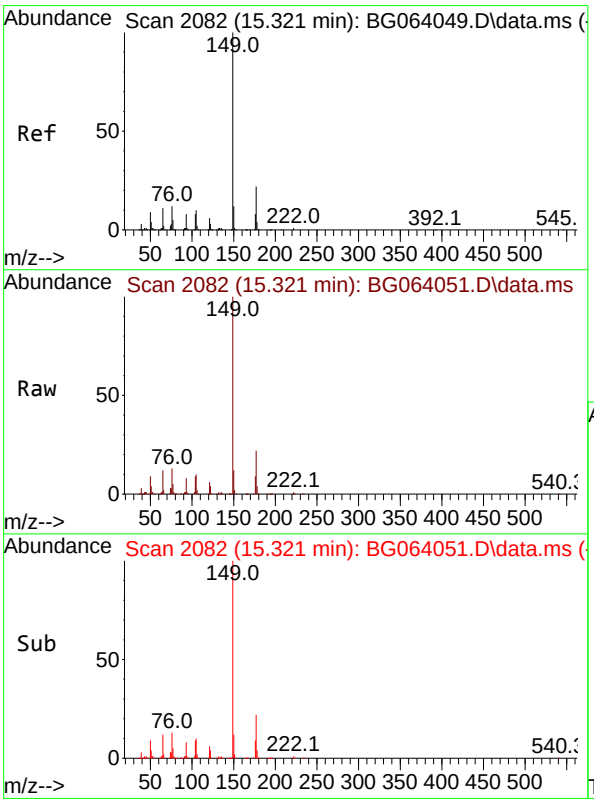
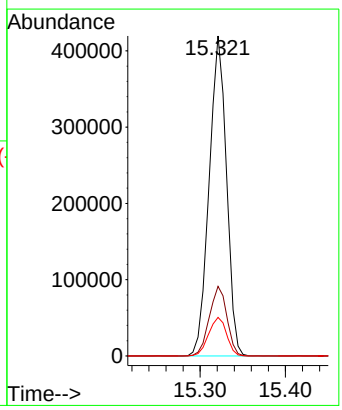
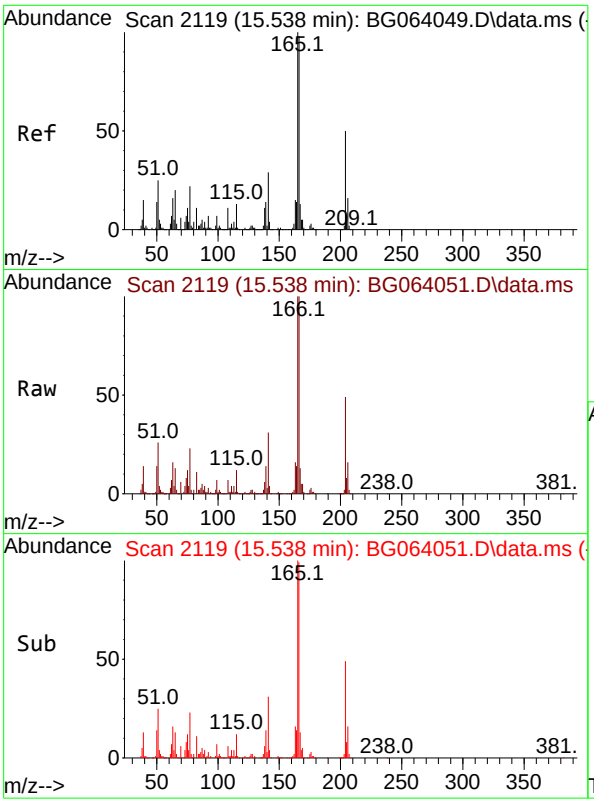


#60
Diethylphthalate
Concen: 61.289 ng
RT: 15.321 min Scan# 2082
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:149 Resp: 591838

Ion	Ratio	Lower	Upper
149	100		
177	21.8	17.4	26.2
150	12.0	9.4	14.2





#61
4-Chlorophenyl-phenylether
Concen: 59.007 ng
RT: 15.538 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:204 Resp: 26076

Ion	Ratio	Lower	Upper
204	100		
206	32.8	25.5	38.3
141	63.7	45.4	68.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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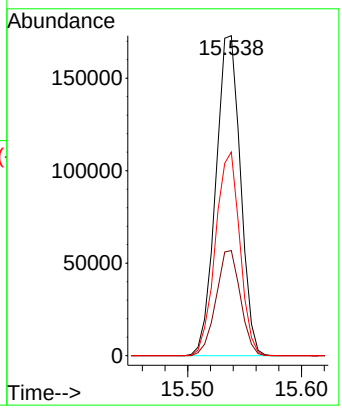
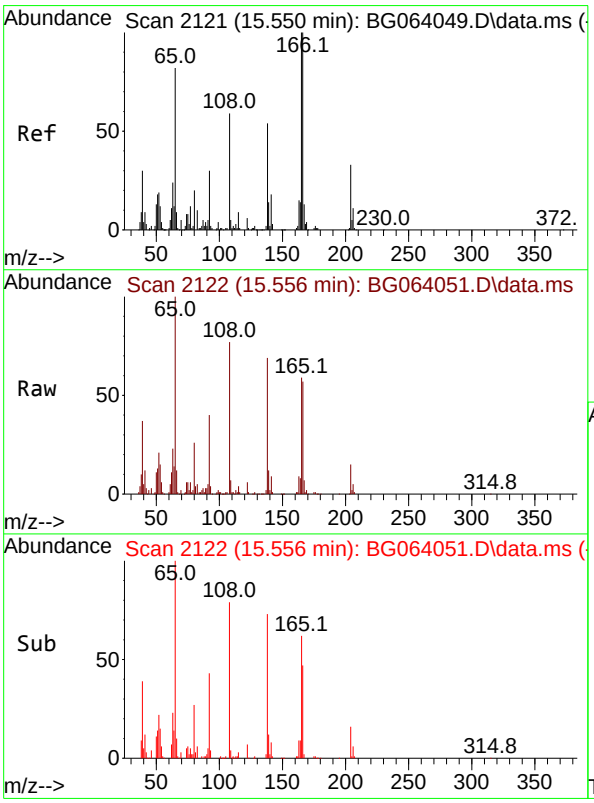
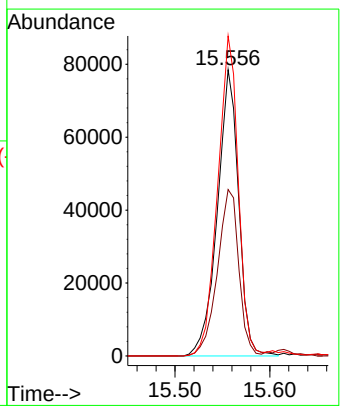


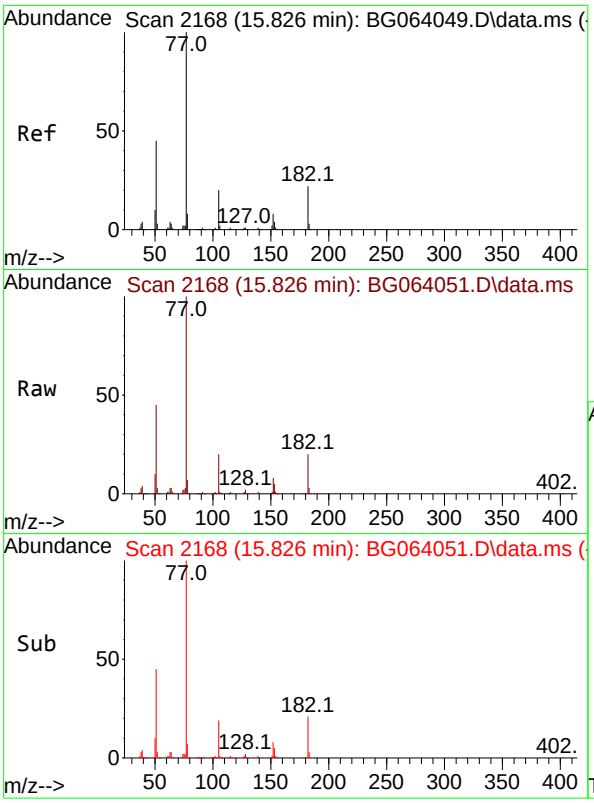


#62
4-Nitroaniline
Concen: 65.996 ng
RT: 15.556 min Scan# 2122
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:138 Resp: 122494

Ion	Ratio	Lower	Upper
138	100		
92	58.1	36.1	76.1
108	111.8	87.9	127.9

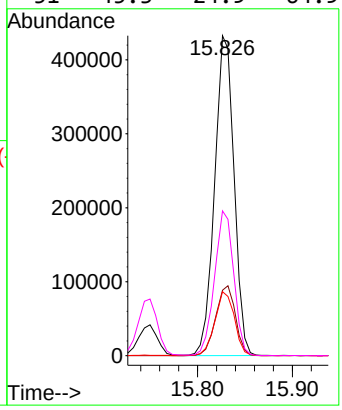




#63
Azobenzene
Concen: 59.818 ng
RT: 15.826 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion: 77 Resp: 61638

Ion	Ratio	Lower	Upper
77	100		
182	20.4	2.4	42.4
105	20.0	0.0	40.0
51	45.3	24.9	64.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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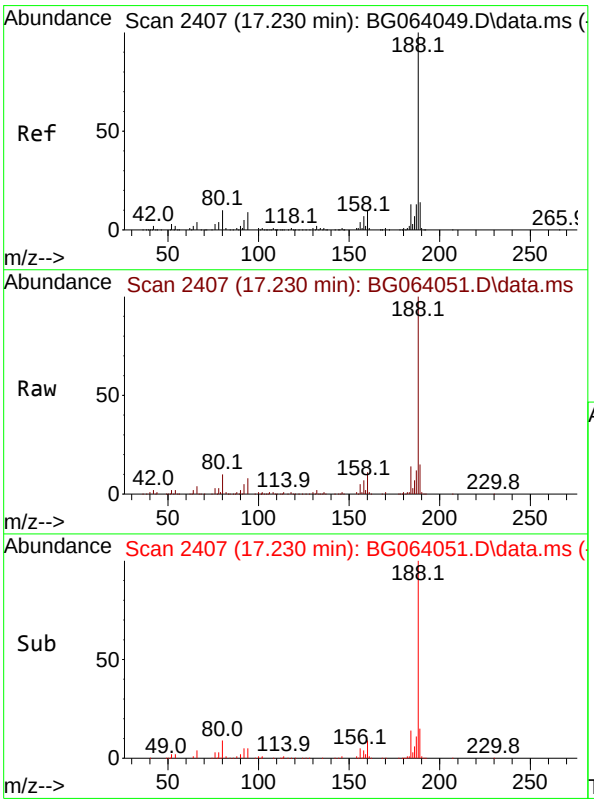
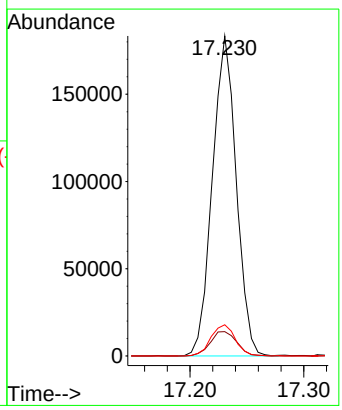
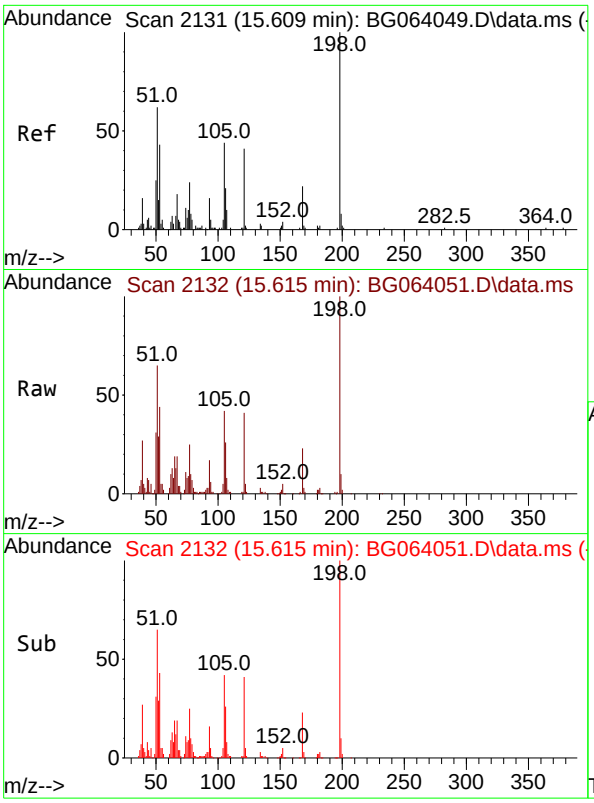


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.230 min Scan# 2407
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:188 Resp: 267696

Ion	Ratio	Lower	Upper
188	100		
94	7.6	6.9	10.3
80	9.8	8.1	12.1

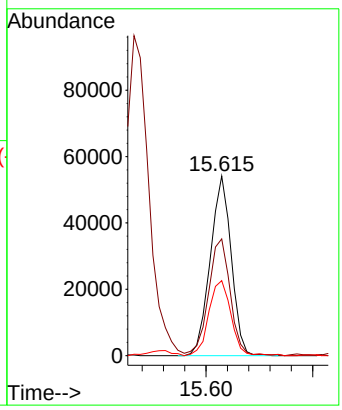




#65
4,6-Dinitro-2-methylphenol
Concen: 61.305 ng
RT: 15.615 min Scan# 2
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:198 Resp: 7405

Ion	Ratio	Lower	Upper
198	100		
51	65.1	45.6	85.6
105	41.7	25.3	65.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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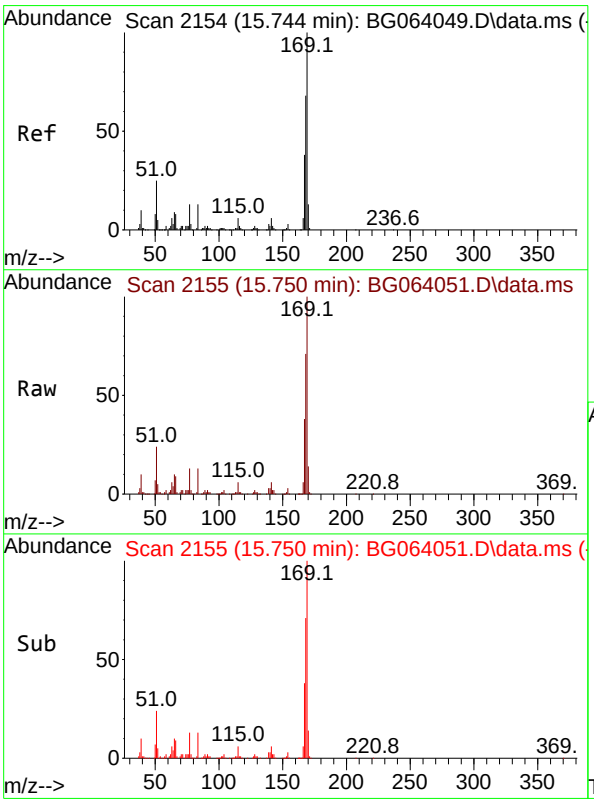
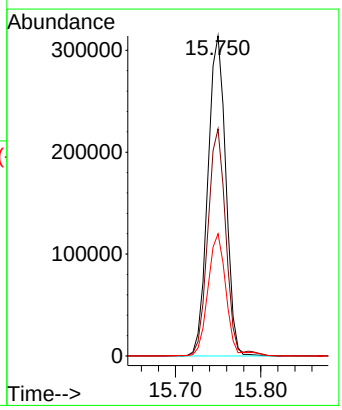
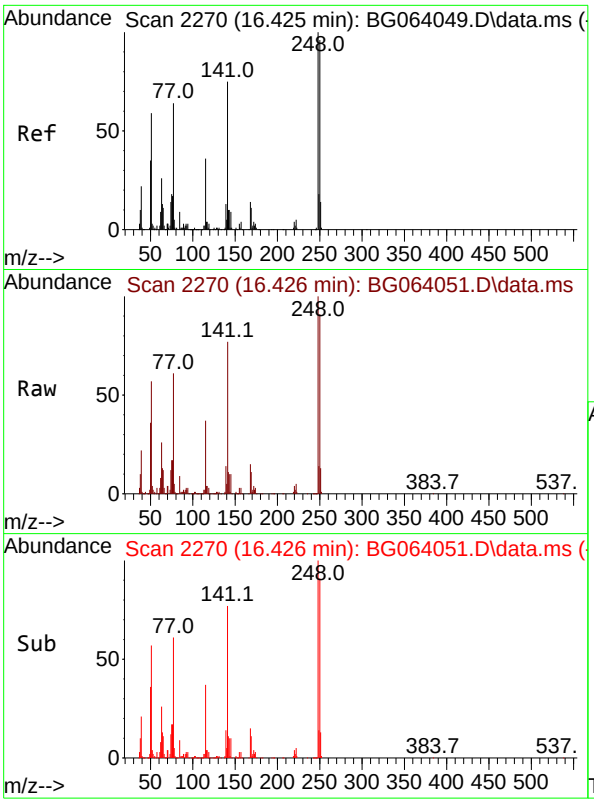


#66
n-Nitrosodiphenylamine
Concen: 60.488 ng
RT: 15.750 min Scan# 2155
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:169 Resp: 458342

Ion	Ratio	Lower	Upper
169	100		
168	71.0	54.1	81.1
167	38.2	30.3	45.5

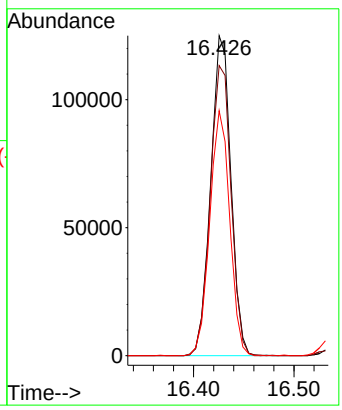




#67
4-Bromophenyl-phenylether
Concen: 63.681 ng
RT: 16.426 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:248 Resp: 17459

Ion	Ratio	Lower	Upper
248	100		
250	90.7	77.1	115.7
141	76.6	59.8	89.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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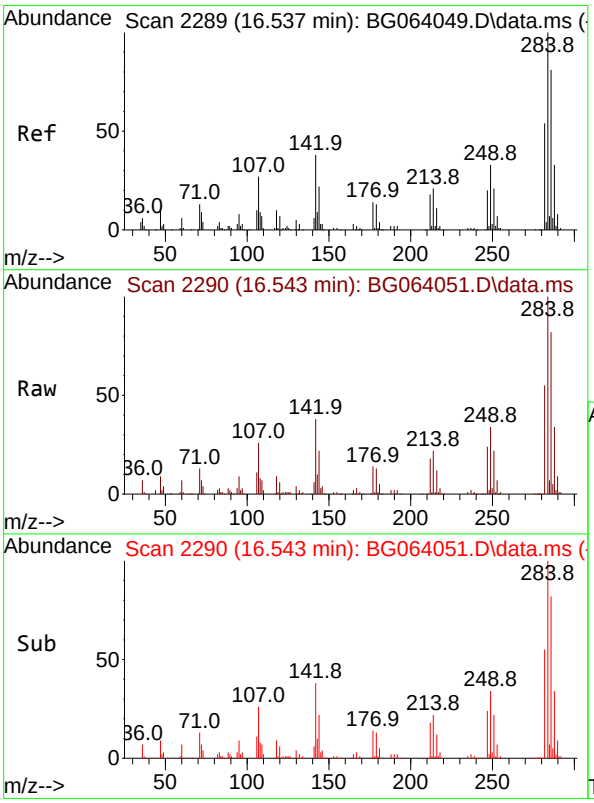
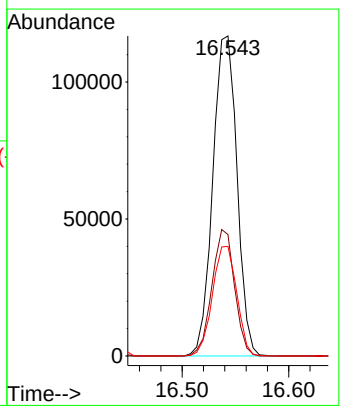
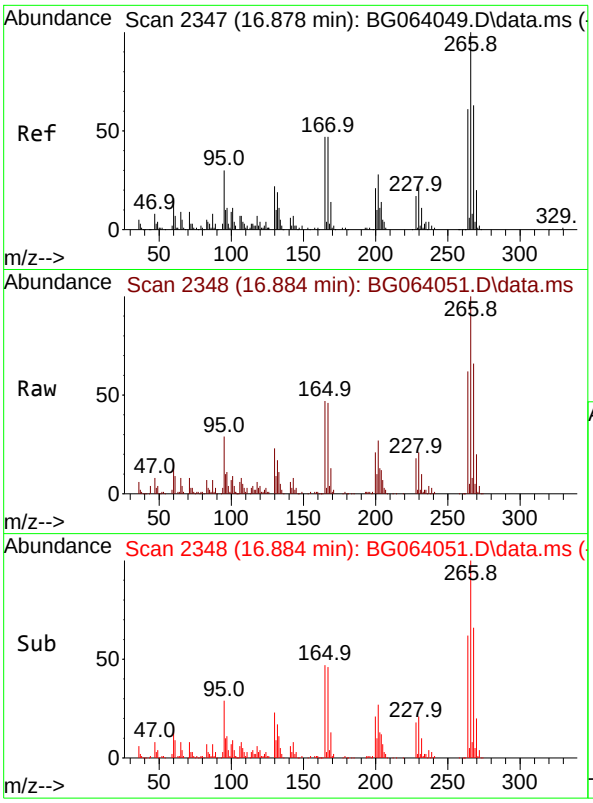


#68
Hexachlorobenzene
Concen: 59.848 ng
RT: 16.543 min Scan# 2290
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:284 Resp: 183700

Ion	Ratio	Lower	Upper
284	100		
142	37.9	30.6	45.8
249	34.3	26.6	39.8

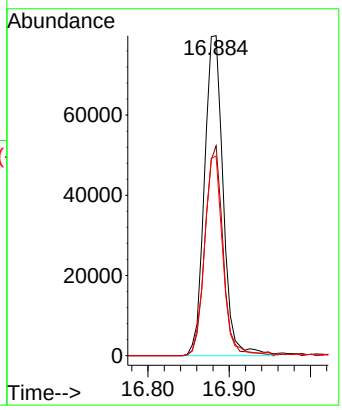




#70
Pentachlorophenol
Concen: 66.910 ng
RT: 16.884 min Scan# 2
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:266 Resp: 12751

Ion	Ratio	Lower	Upper
266	100		
268	65.5	50.2	75.4
264	62.4	48.9	73.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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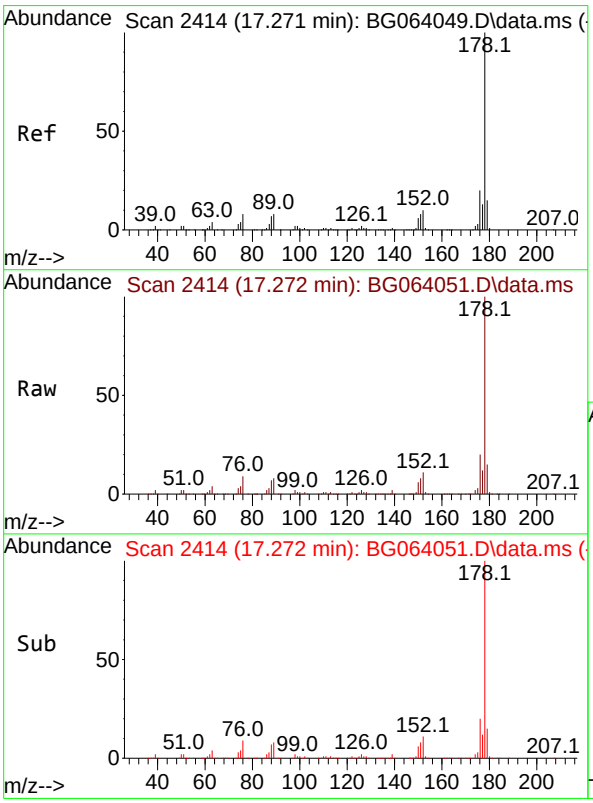
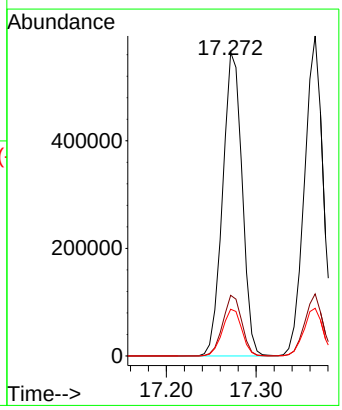
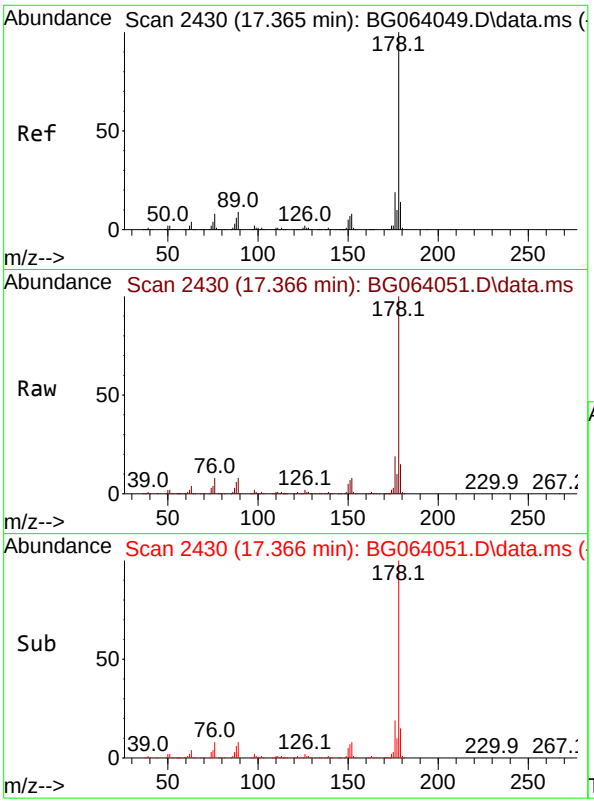


#71
Phenanthrene
Concen: 59.544 ng
RT: 17.272 min Scan# 2414
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:178 Resp: 850190

Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.9	23.9
179	15.4	12.2	18.2

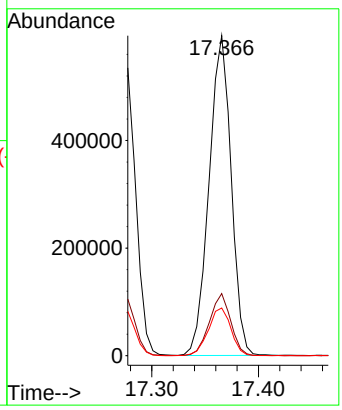




#72
Anthracene
Concen: 60.267 ng
RT: 17.366 min Scan# 24
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:178 Resp: 85566

Ion	Ratio	Lower	Upper
178	100		
176	19.4	14.8	22.2
179	14.9	11.5	17.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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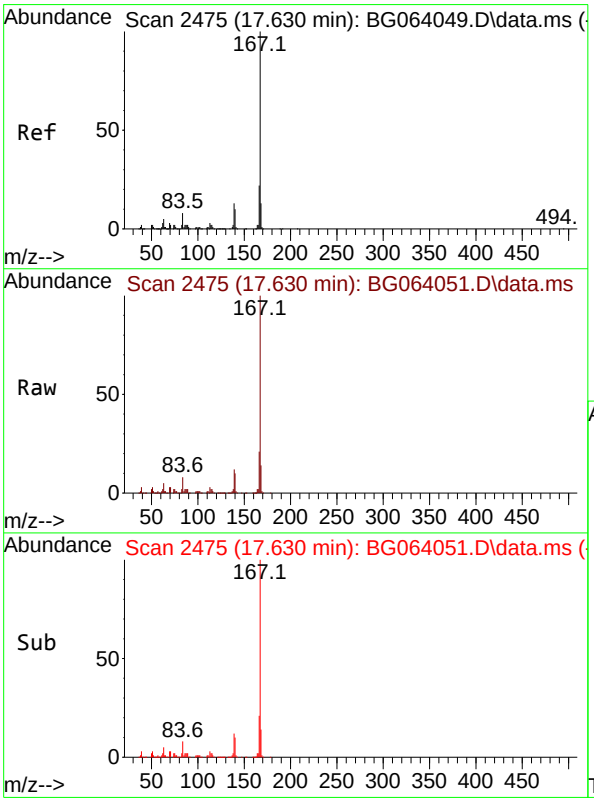
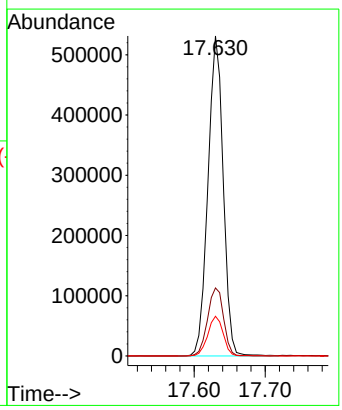
Supervised By :mohammad ahmed 03/07/2025

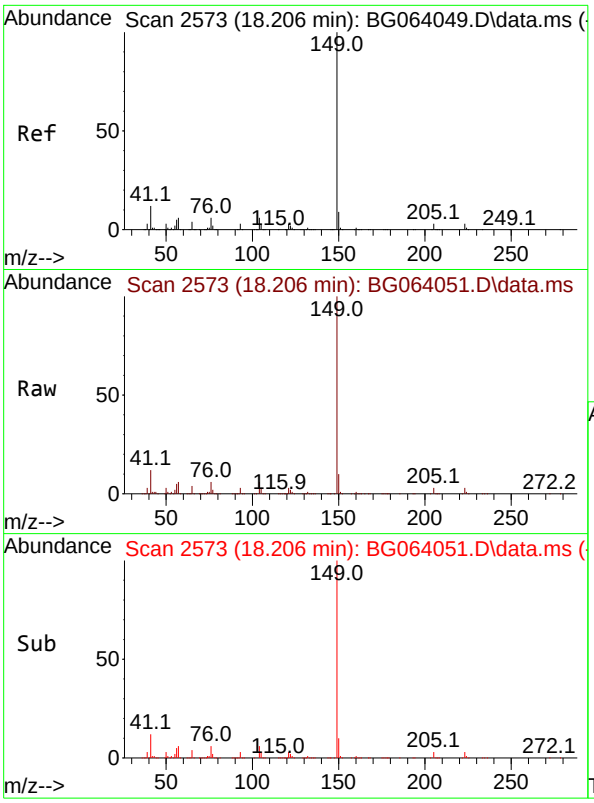


#73
Carbazole
Concen: 59.729 ng
RT: 17.630 min Scan# 2475
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:167 Resp: 791764

Ion	Ratio	Lower	Upper
167	100		
166	21.2	18.0	27.0
139	12.4	10.6	15.8

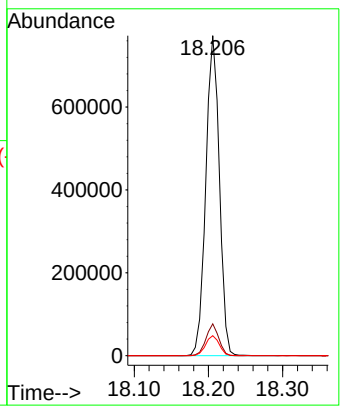




#74
Di-n-butylphthalate
Concen: 62.731 ng
RT: 18.206 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:149 Resp: 97883

Ion	Ratio	Lower	Upper
149	100		
150	9.9	7.4	11.0
104	6.3	5.0	7.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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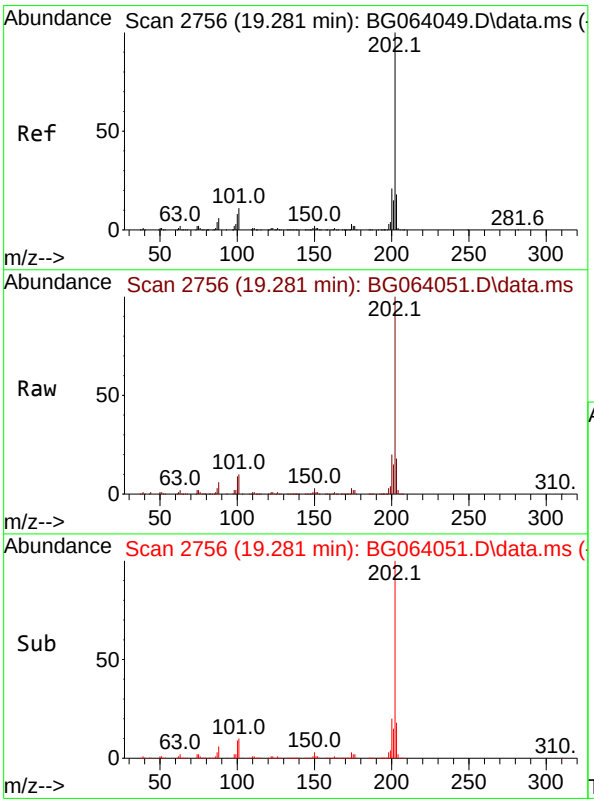
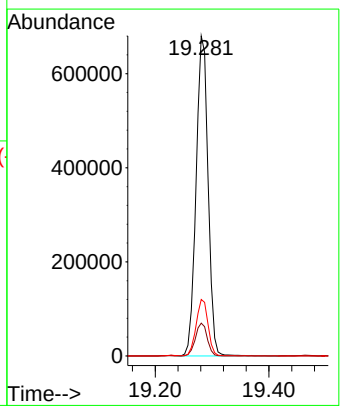
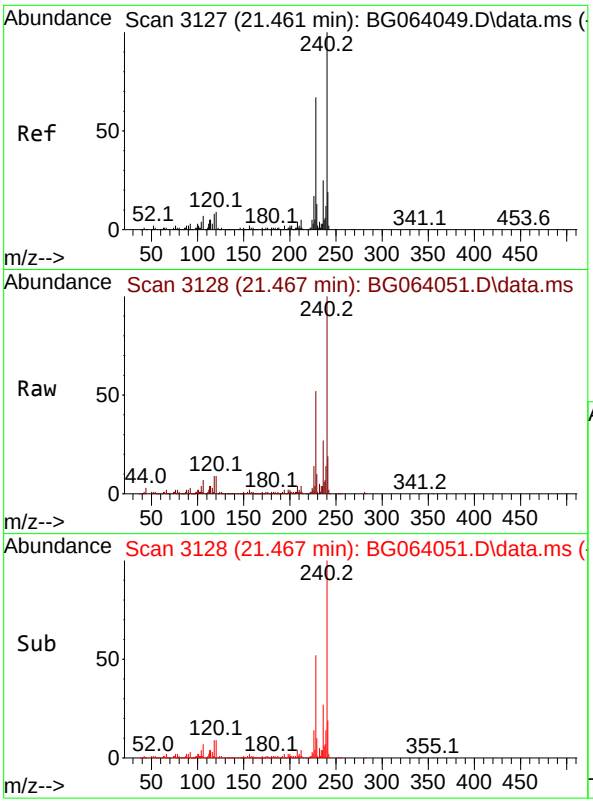


#75
Fluoranthene
Concen: 57.980 ng
RT: 19.281 min Scan# 2756
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:202 Resp: 998035

Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	30.5
203	17.7	0.0	38.3

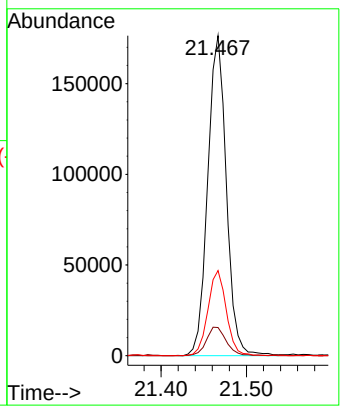




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.467 min Scan# 3
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:240 Resp: 26769

Ion	Ratio	Lower	Upper
240	100		
120	8.8	7.2	10.8
236	26.6	20.2	30.2



Instrument :
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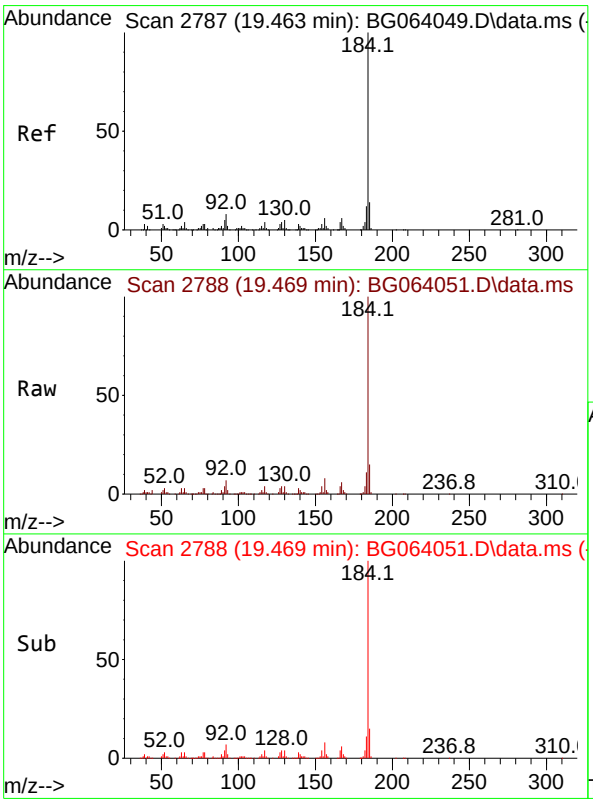
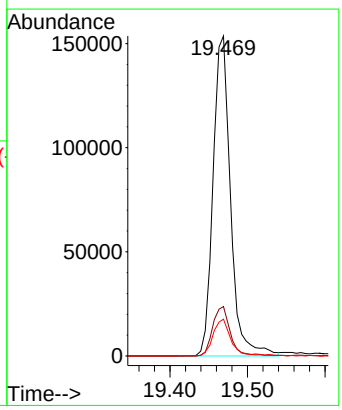
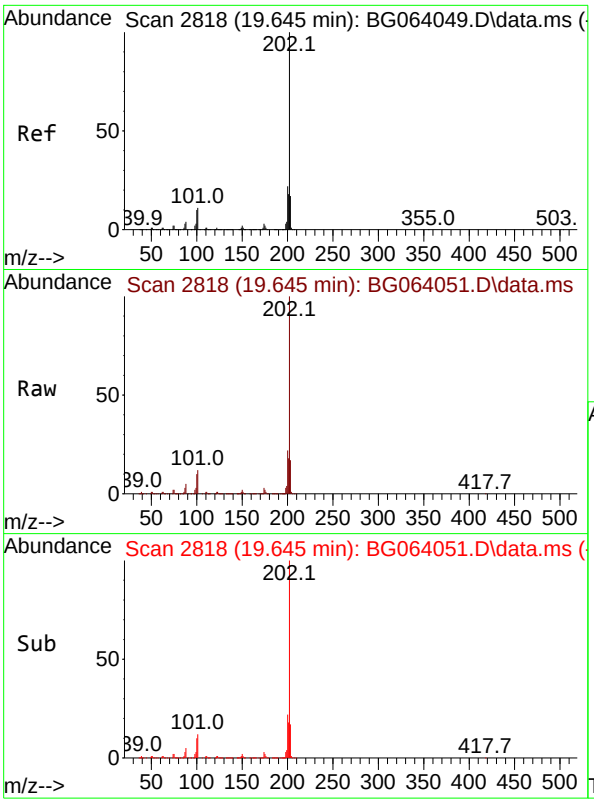


#77
Benzidine
Concen: 63.973 ng
RT: 19.469 min Scan# 2788
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:184 Resp: 240411

Ion	Ratio	Lower	Upper
184	100		
185	15.4	11.3	16.9
183	11.5	9.5	14.3

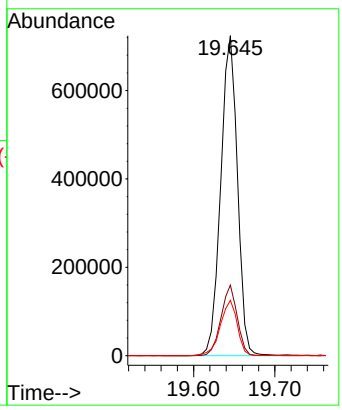




#78
Pyrene
Concen: 60.030 ng
RT: 19.645 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:202 Resp: 103590

Ion	Ratio	Lower	Upper
202	100		
200	22.1	17.3	25.9
203	17.3	13.6	20.4



Instrument :
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ClientSampleId :
SSTDICC060

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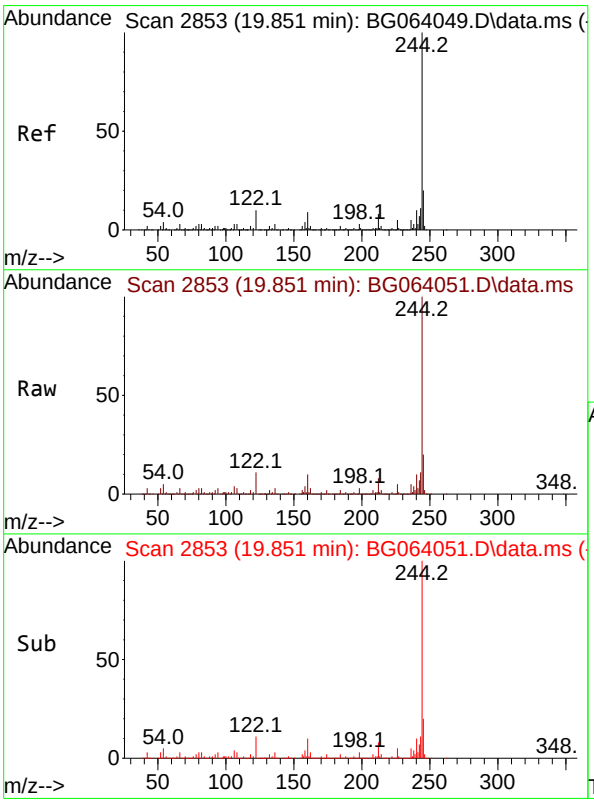
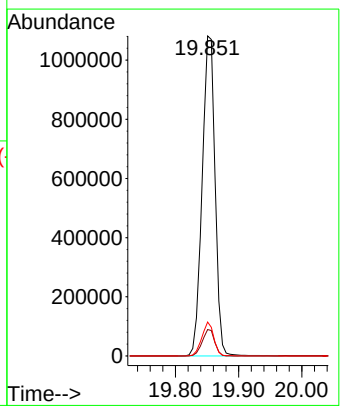
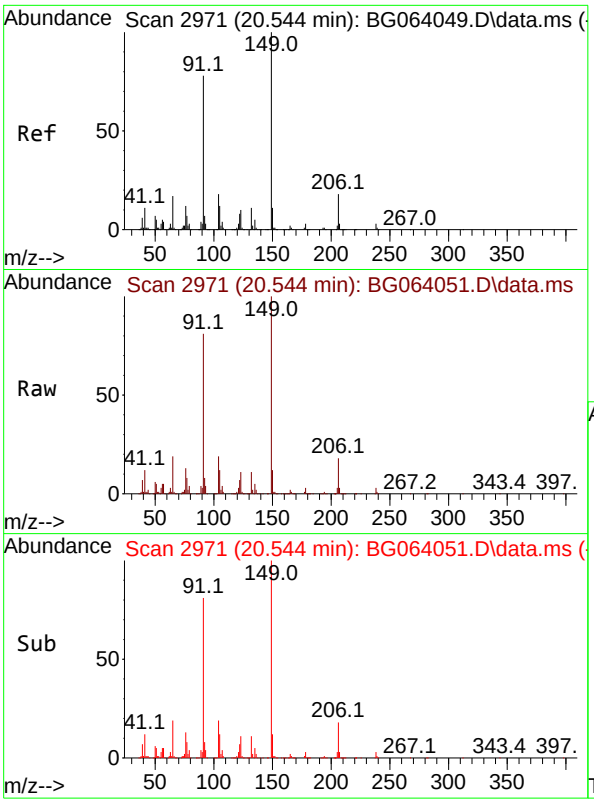


#79
Terphenyl-d14
Concen: 116.081 ng
RT: 19.851 min Scan# 2853
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:244 Resp: 1536841

Ion	Ratio	Lower	Upper
244	100		
212	8.3	6.2	9.4
122	10.6	8.0	12.0

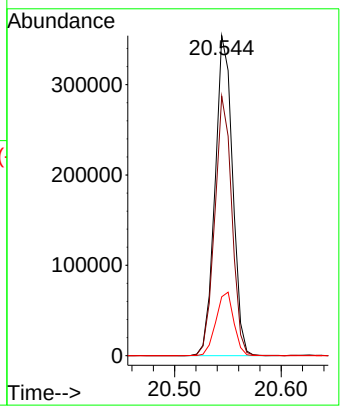




#80
Butylbenzylphthalate
Concen: 61.244 ng
RT: 20.544 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:149 Resp: 40360

Ion	Ratio	Lower	Upper
149	100		
91	81.1	62.0	93.0
206	18.4	14.6	21.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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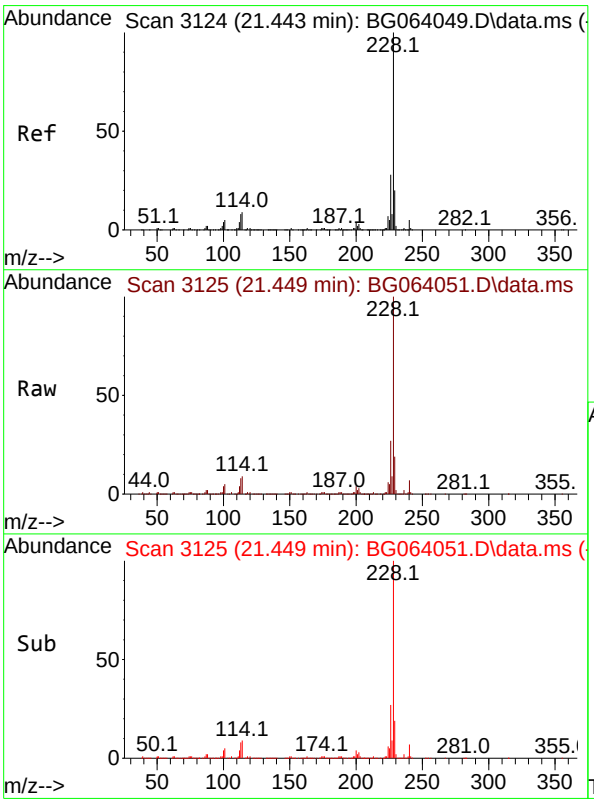
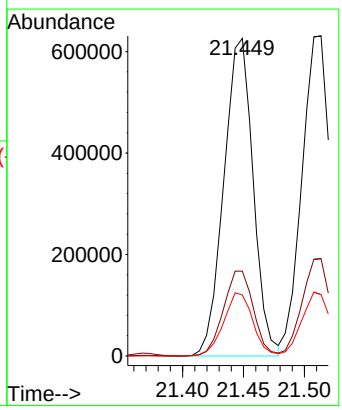
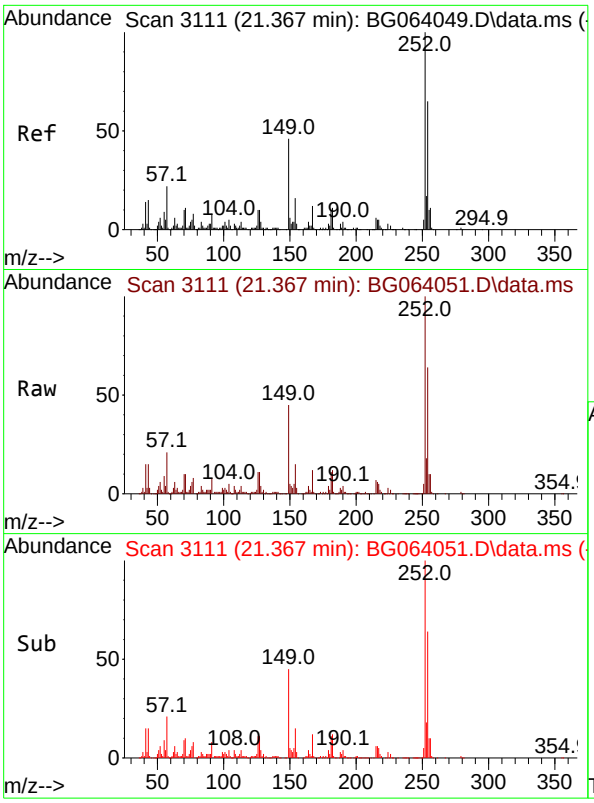


#81
Benzo(a)anthracene
Concen: 61.323 ng
RT: 21.449 min Scan# 3125
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:228 Resp: 1051558

Ion	Ratio	Lower	Upper
228	100		
226	26.7	22.2	33.2
229	19.2	16.4	24.6

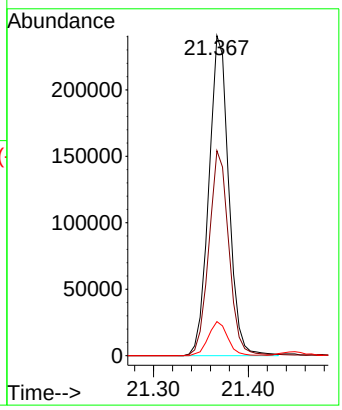




#82
3,3'-Dichlorobenzidine
Concen: 63.055 ng
RT: 21.367 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:252 Resp: 34993

Ion	Ratio	Lower	Upper
252	100		
254	64.1	52.1	78.1
126	10.7	7.8	11.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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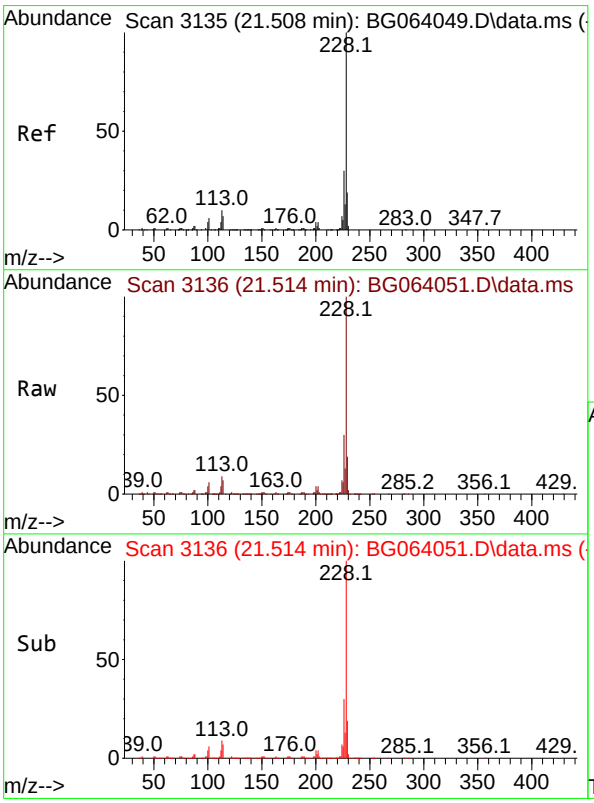
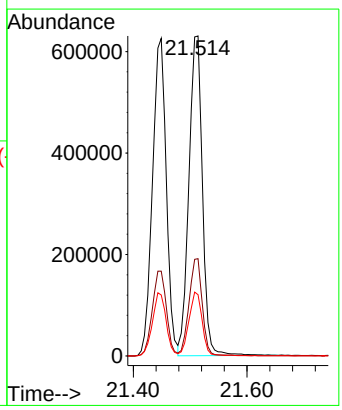
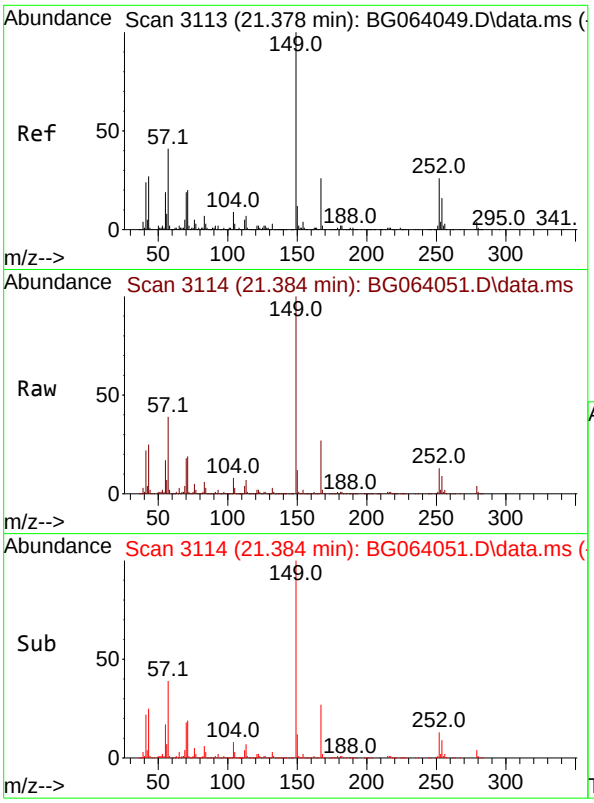


#83
Chrysene
Concen: 61.078 ng
RT: 21.514 min Scan# 3136
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:228 Resp: 1044616

Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.9	35.9
229	19.1	15.3	22.9





#84
Bis(2-ethylhexyl)phthalate
Concen: 68.341 ng
RT: 21.384 min Scan# 3
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:149 Resp: 63379

Ion	Ratio	Lower	Upper
149	100		
167	27.4	21.0	31.6
279	3.5	2.8	4.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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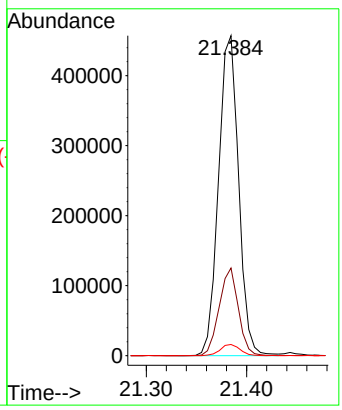
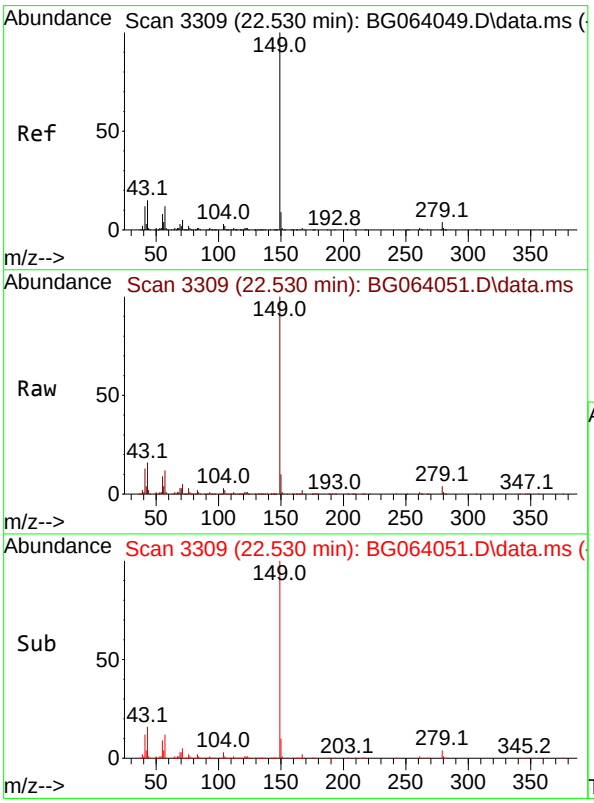
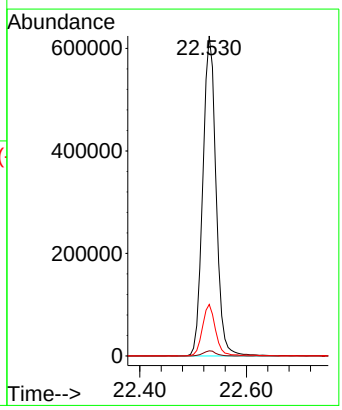


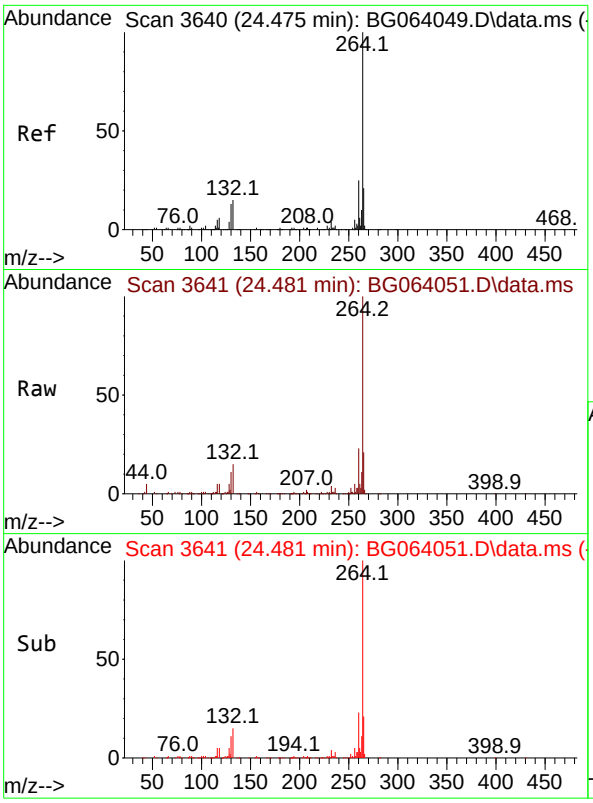


#85
Di-n-octyl phthalate
Concen: 67.209 ng
RT: 22.530 min Scan# 3309
Delta R.T. 0.000 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:149 Resp: 1075085

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	15.9	12.6	19.0

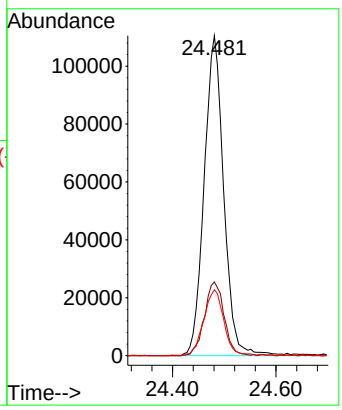




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.481 min Scan# 3
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:264 Resp: 28923

Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.6	29.4
265	20.6	16.6	25.0



Instrument :
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ClientSampleId :
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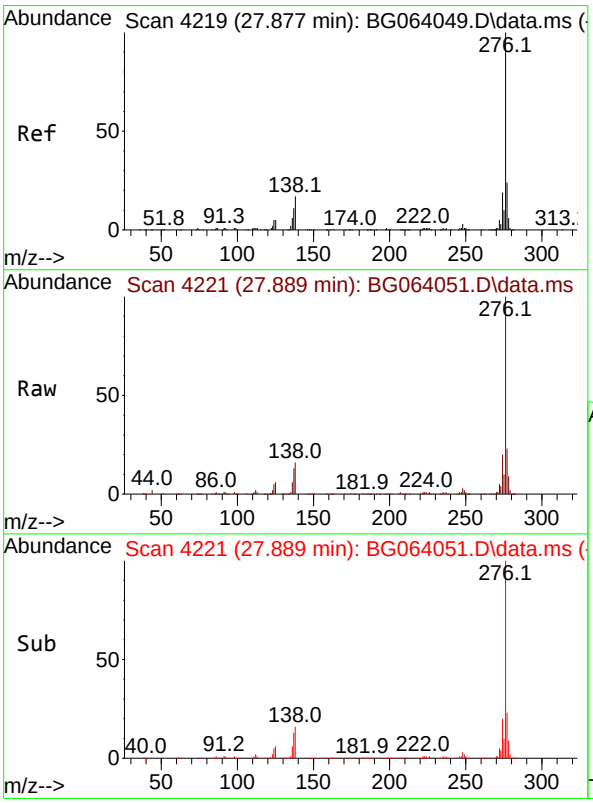
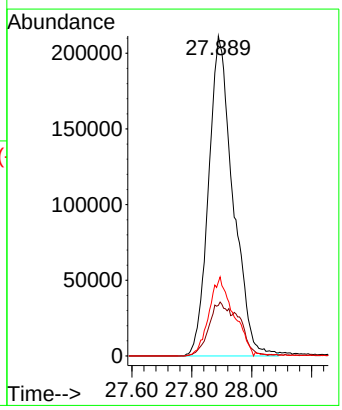
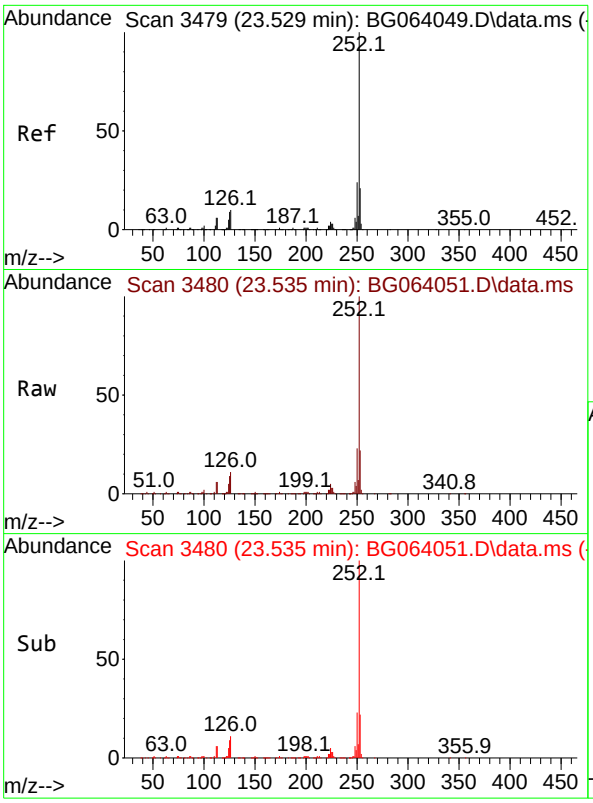


#87
Indeno(1,2,3-cd)pyrene
Concen: 61.921 ng
RT: 27.889 min Scan# 4221
Delta R.T. 0.012 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:276 Resp: 1198276

Ion	Ratio	Lower	Upper
276	100		
138	14.4	12.1	18.1
277	24.8	20.0	30.0





#88
Benzo(b)fluoranthene
Concen: 60.290 ng
RT: 23.535 min Scan# 34
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:252 Resp: 105417

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.4
125	9.3	7.4	11.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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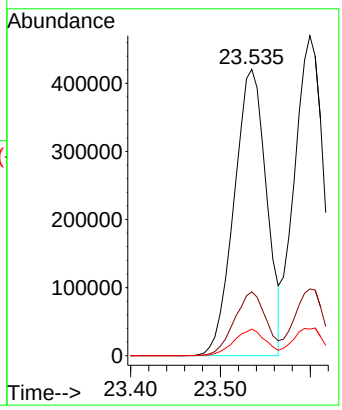
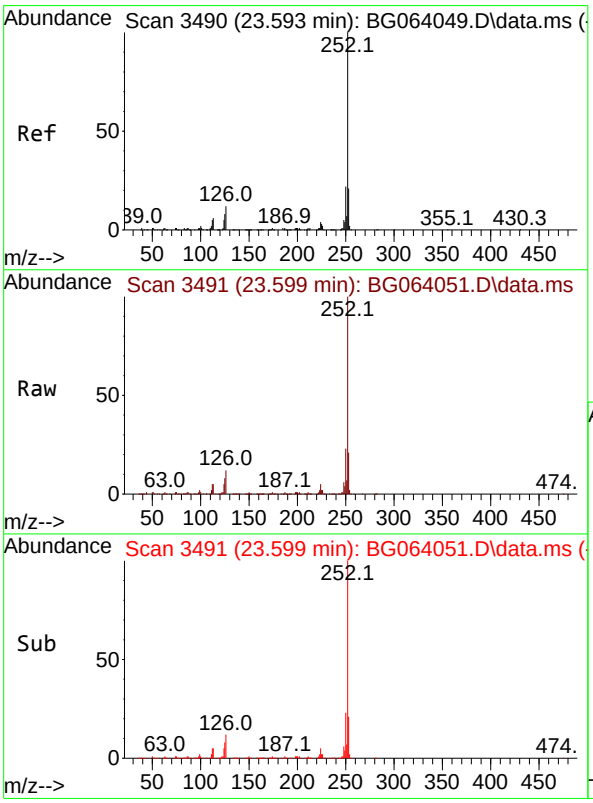
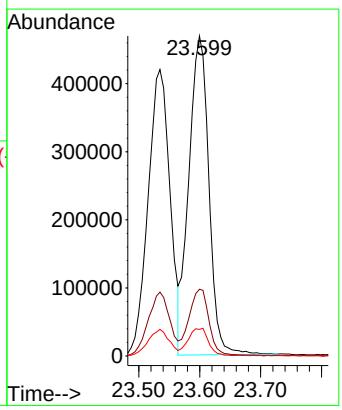


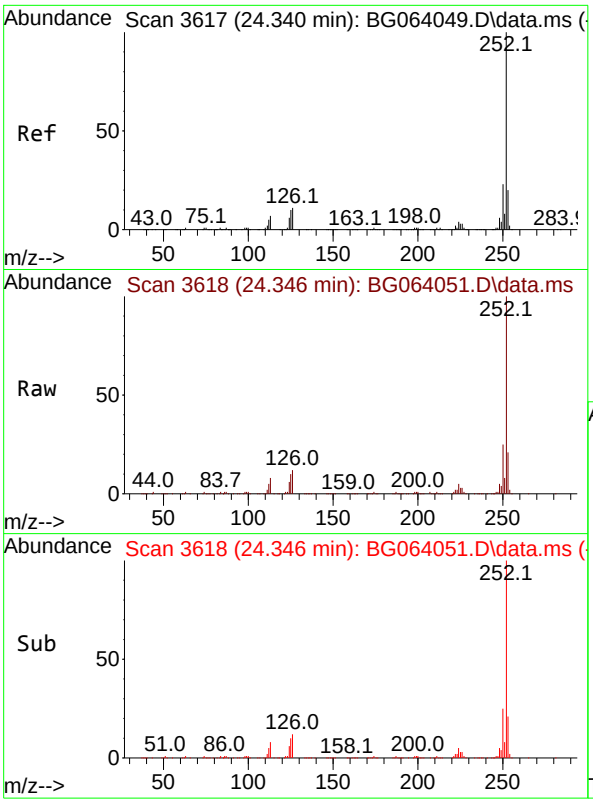


#89
Benzo(k)fluoranthene
Concen: 61.033 ng
RT: 23.599 min Scan# 3491
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:252 Resp: 1070595

Ion	Ratio	Lower	Upper
252	100		
253	20.8	16.8	25.2
125	8.3	6.9	10.3

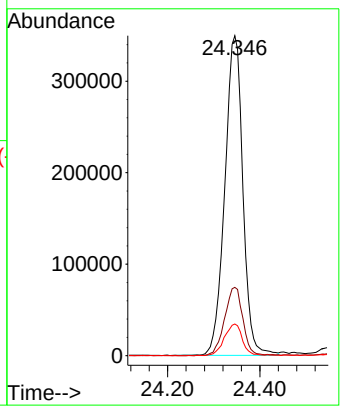




#90
Benzo(a)pyrene
Concen: 60.853 ng
RT: 24.346 min Scan# 3
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:252 Resp: 94760

Ion	Ratio	Lower	Upper
252	100		
253	21.4	16.2	24.2
125	9.9	7.8	11.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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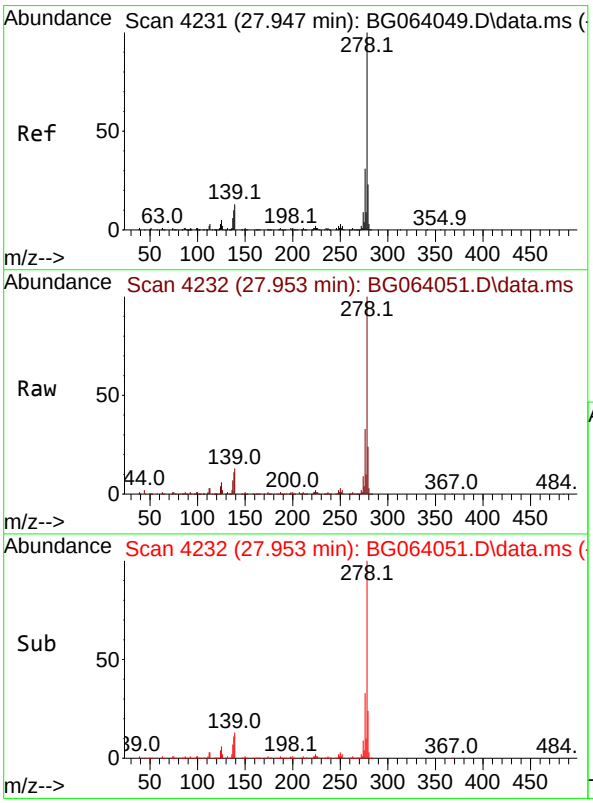
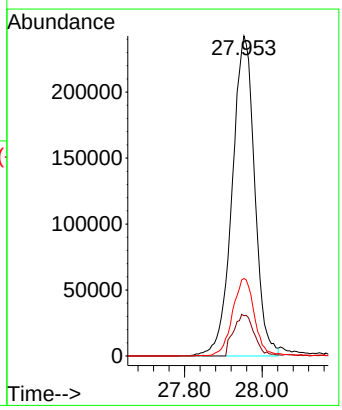
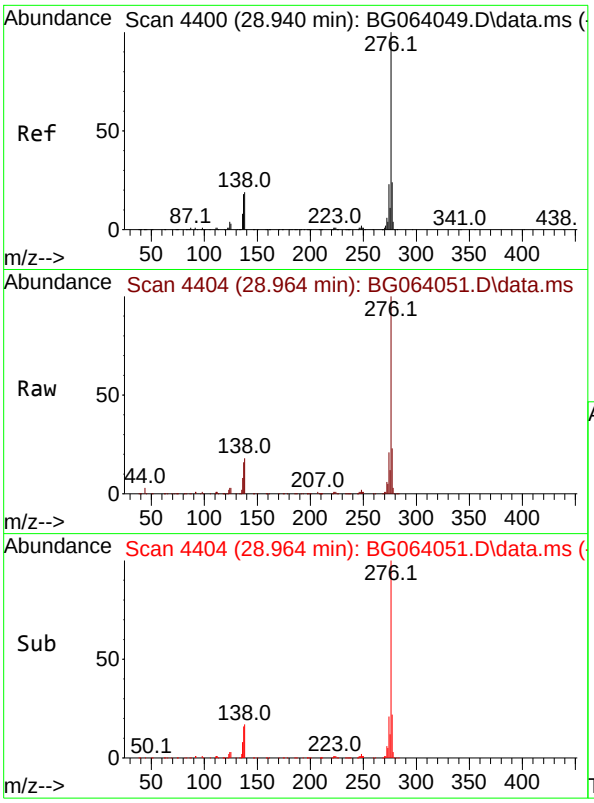


#91
Dibenzo(a,h)anthracene
Concen: 60.728 ng
RT: 27.953 min Scan# 4232
Delta R.T. 0.006 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:278 Resp: 974276

Ion	Ratio	Lower	Upper
278	100		
139	12.6	10.2	15.2
279	24.2	18.1	27.1

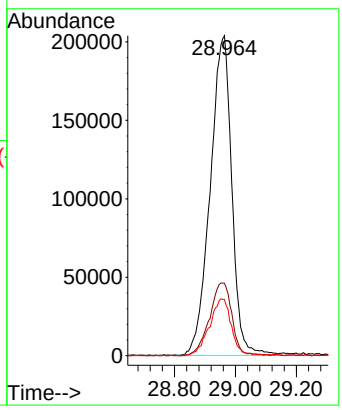




#92
Benzo(g,h,i)perylene
Concen: 60.851 ng
RT: 28.964 min Scan# 4
Delta R.T. 0.024 min
Lab File: BG064051.D
Acq: 5 Mar 2025 13:04

Tgt Ion:276 Resp: 100233

Ion	Ratio	Lower	Upper
276	100		
277	22.6	19.5	29.3
138	17.6	15.4	23.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064052.D
Acq On : 5 Mar 2025 13:44
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

Quant Time: Mar 05 15:25:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 14:45:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.865	152	38973	20.000	ng		0.00
21) Naphthalene-d8	10.656	136	174562	20.000	ng		0.00
39) Acenaphthene-d10	14.493	164	119753	20.000	ng		0.00
64) Phenanthrene-d10	17.231	188	261353	20.000	ng		0.00
76) Chrysene-d12	21.467	240	257789	20.000	ng		0.00
86) Perylene-d12	24.481	264	274554	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.456	112	406682	162.936	ng		0.00
7) Phenol-d6	7.037	99	562221	165.580	ng		0.00
23) Nitrobenzene-d5	9.029	82	570757	180.687	ng		0.01
42) 2,4,6-Tribromophenol	15.979	330	230590	173.228	ng		0.00
45) 2-Fluorobiphenyl	13.118	172	1198476	151.908	ng		0.00
79) Terphenyl-d14	19.857	244	1912762	150.030	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.376	88	86434	76.411	ng		97
3) Pyridine	3.770	79	194608	70.740	ng		99
4) n-Nitrosodimethylamine	3.682	42	166554	84.738	ng		98
6) Aniline	7.196	93	260509	78.188	ng		97
8) 2-Chlorophenol	7.436	128	221296	82.552	ng		96
10) Phenol	7.066	94	287854	82.802	ng		97
11) bis(2-Chloroethyl)ether	7.295	93	217240	79.707	ng		99
12) 1,3-Dichlorobenzene	7.760	146	235126	79.873	ng		96
13) 1,4-Dichlorobenzene	7.901	146	238817	79.149	ng		96
14) 1,2-Dichlorobenzene	8.224	146	233348	80.201	ng		97
15) Benzyl Alcohol	8.106	79	227176	86.581	ng		94
16) 2,2'-oxybis(1-Chloropr...	8.400	45	502220	81.950	ng		99
17) 2-Methylphenol	8.306	107	198161	85.886	ng		98
18) Hexachloroethane	8.946	117	90416	85.647	ng		98
19) n-Nitroso-di-n-propyla...	8.682	70	197732	82.978	ng		96
20) 3+4-Methylphenols	8.641	107	269552	84.861	ng		92
22) Acetophenone	8.688	105	379097	79.207	ng		99
24) Nitrobenzene	9.064	77	285702	87.518	ng		99
25) Isophorone	9.593	82	507481	80.266	ng		96
26) 2-Nitrophenol	9.769	139	102389	79.399	ng		96
27) 2,4-Dimethylphenol	9.834	122	159995	84.413	ng		94
28) bis(2-Chloroethoxy)met...	10.074	93	310803	81.082	ng		99
29) 2,4-Dichlorophenol	10.304	162	208425	87.086	ng		98
30) 1,2,4-Trichlorobenzene	10.521	180	231572	80.151	ng		99
31) Naphthalene	10.709	128	752327	79.925	ng		99
32) Benzoic acid	10.022	122	153536m	81.016	ng		
33) 4-Chloroaniline	10.815	127	281930	81.948	ng		100
34) Hexachlorobutadiene	10.997	225	152146	80.341	ng		98
35) Caprolactam	11.608	113	77479	84.477	ng	#	82
36) 4-Chloro-3-methylphenol	11.937	107	262810	83.772	ng		100
37) 2-Methylnaphthalene	12.313	142	524206	78.886	ng		97
38) 1-Methylnaphthalene	12.536	142	511482	78.566	ng		98
40) 1,2,4,5-Tetrachloroben...	12.683	216	271079	79.289	ng		99
41) Hexachlorocyclopentadiene	12.671	237	87700	91.141	ng		95
43) 2,4,6-Trichlorophenol	12.924	196	175233	86.966	ng		97
44) 2,4,5-Trichlorophenol	12.995	196	197831	88.360	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064052.D
Acq On : 5 Mar 2025 13:44
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

Quant Time: Mar 05 15:25:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 14:45:06 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	13.329	154	706656	78.106	ng		98
47) 2-Chloronaphthalene	13.371	162	528541	80.099	ng		98
48) 2-Nitroaniline	13.570	65	195363	79.407	ng		97
49) Acenaphthylene	14.217	152	822307	78.787	ng		99
50) Dimethylphthalate	13.958	163	695598	78.689	ng		100
51) 2,6-Dinitrotoluene	14.070	165	147719	79.965	ng		98
52) Acenaphthene	14.557	154	540444	76.999	ng		97
53) 3-Nitroaniline	14.399	138	154723	90.561	ng		95
54) 2,4-Dinitrophenol	14.599	184	61808	82.400	ng	#	81
55) Dibenzofuran	14.892	168	874479	77.066	ng		99
56) 4-Nitrophenol	14.698	139	126982	88.621	ng		95
57) 2,4-Dinitrotoluene	14.857	165	203301	79.564	ng	#	97
58) Fluorene	15.539	166	668072	75.593	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.116	232	188307	86.273	ng	#	95
60) Diethylphthalate	15.321	149	758650	79.055	ng		99
61) 4-Chlorophenyl-phenyle...	15.539	204	326141	74.261	ng		91
62) 4-Nitroaniline	15.562	138	159478	86.459	ng		91
63) Azobenzene	15.832	77	787412	76.893	ng		99
65) 4,6-Dinitro-2-methylph...	15.615	198	100338	81.905	ng		96
66) n-Nitrosodiphenylamine	15.750	169	590976	79.884	ng		97
67) 4-Bromophenyl-phenylether	16.432	248	222258	83.033	ng		96
68) Hexachlorobenzene	16.543	284	240907	80.390	ng		98
70) Pentachlorophenol	16.884	266	170842	91.819	ng		98
71) Phenanthrene	17.278	178	1094187	78.492	ng		99
72) Anthracene	17.366	178	1099164	79.297	ng		97
73) Carbazole	17.636	167	999549	77.234	ng		99
74) Di-n-butylphthalate	18.206	149	1263186	82.920	ng		99
75) Fluoranthene	19.287	202	1276040	75.929	ng		99
77) Benzidine	19.463	184	279417	77.211	ng		99
78) Pyrene	19.646	202	1321748	79.539	ng		99
80) Butylbenzylphthalate	20.550	149	517770	80.379	ng		99
81) Benzo(a)anthracene	21.449	228	1325828	80.289	ng		98
82) 3,3'-Dichlorobenzidine	21.367	252	423636	79.269	ng		100
83) Chrysene	21.514	228	1291089	78.391	ng		99
84) Bis(2-ethylhexyl)phtha...	21.385	149	806194	90.273	ng		99
85) Di-n-octyl phthalate	22.530	149	1379517	89.556	ng		99
87) Indeno(1,2,3-cd)pyrene	27.895	276	1530546	83.318	ng		99
88) Benzo(b)fluoranthene	23.541	252	1356996	81.758	ng		98
89) Benzo(k)fluoranthene	23.606	252	1334083	80.120	ng		99
90) Benzo(a)pyrene	24.346	252	1200152	81.191	ng		97
91) Dibenzo(a,h)anthracene	27.959	278	1273882	83.647	ng		98
92) Benzo(g,h,i)perylene	28.970	276	1282909	82.048	ng		98

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

ICAL Form

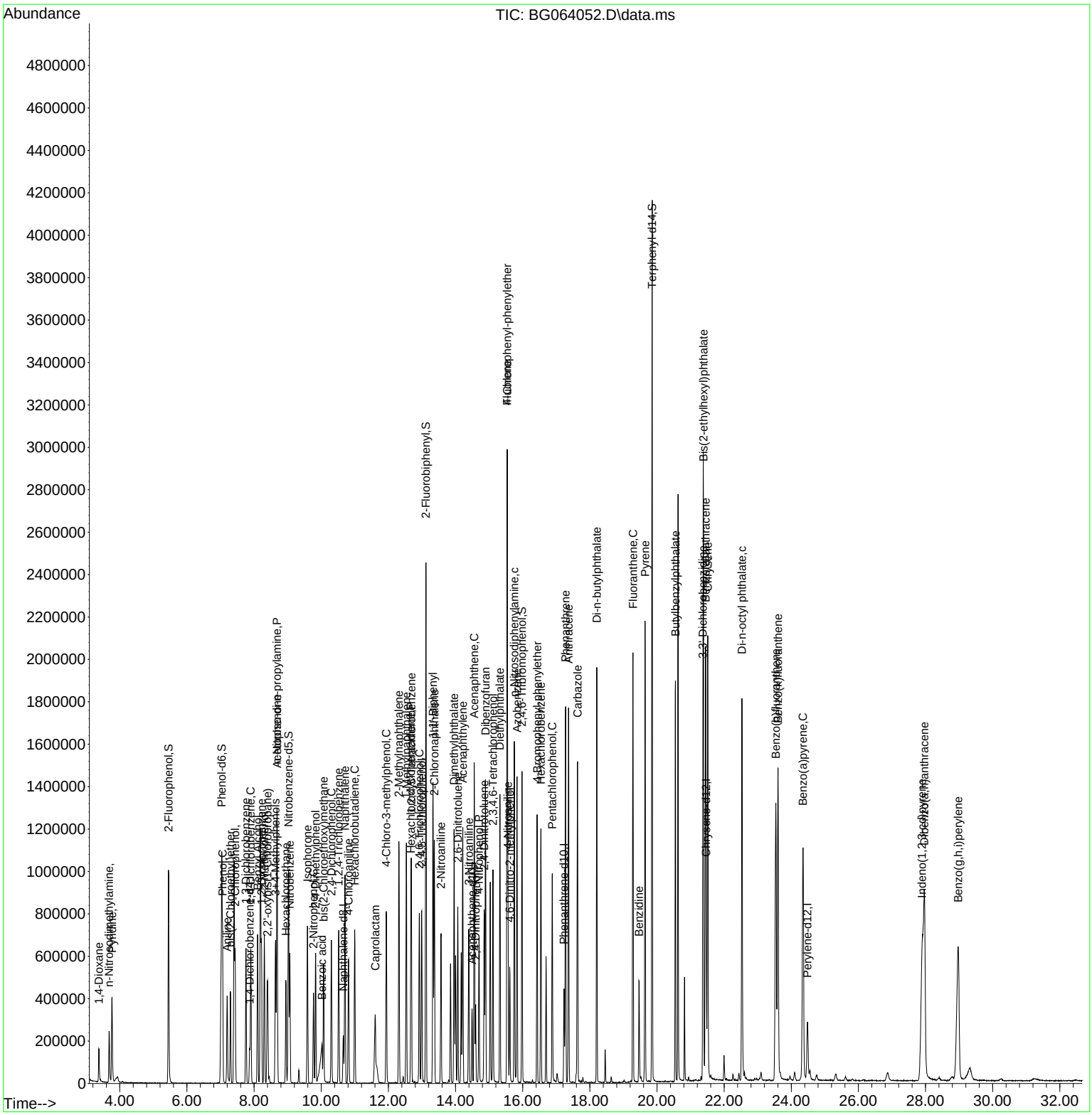
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064052.D
Acq On : 5 Mar 2025 13:44
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

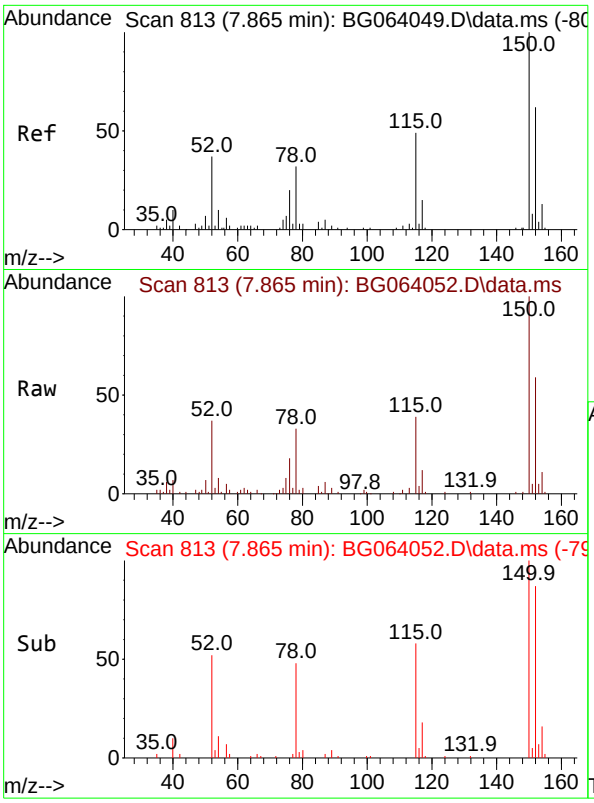
Quant Time: Mar 05 15:25:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 14:45:06 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

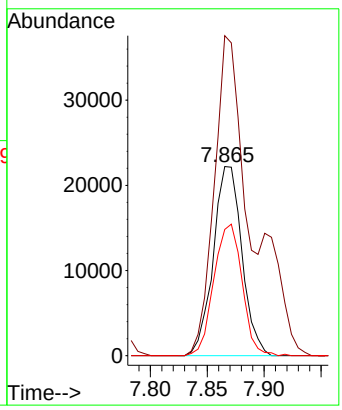




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.865 min Scan# 81
Delta R.T. 0.000 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:152 Resp: 3897

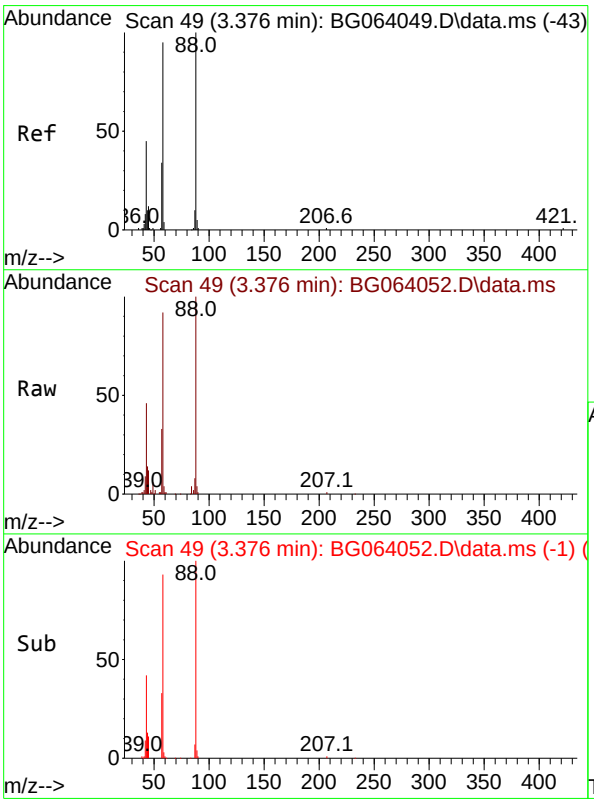
Ion	Ratio	Lower	Upper
152	100		
150	169.1	129.2	193.8
115	66.7	63.0	94.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

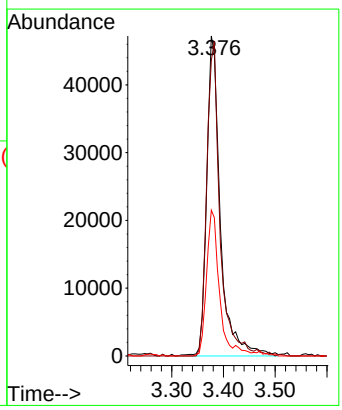
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

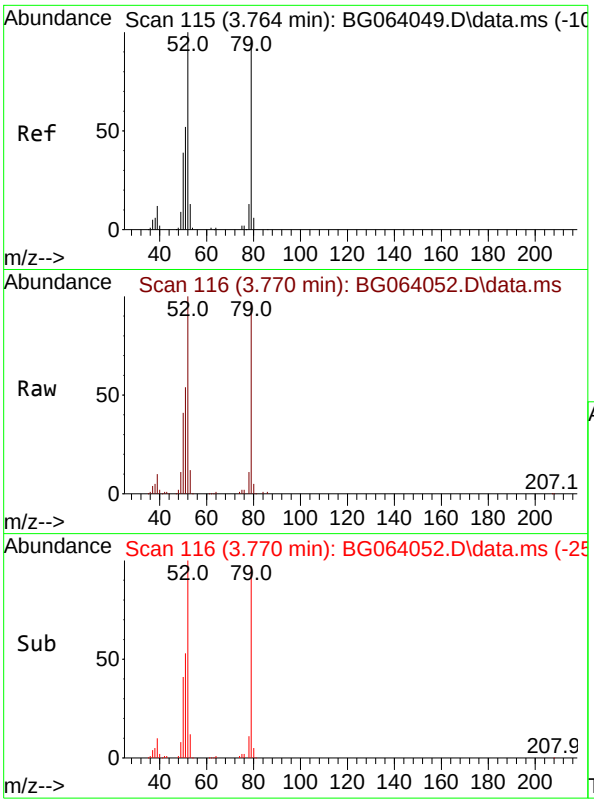


#2
1,4-Dioxane
Concen: 76.411 ng
RT: 3.376 min Scan# 49
Delta R.T. 0.001 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion: 88 Resp: 86434

Ion	Ratio	Lower	Upper
88	100		
58	95.8	74.6	111.8
43	43.0	35.5	53.3

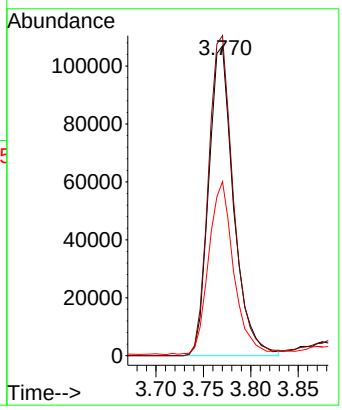




#3
Pyridine
Concen: 70.740 ng
RT: 3.770 min Scan# 11
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion: 79 Resp: 19460

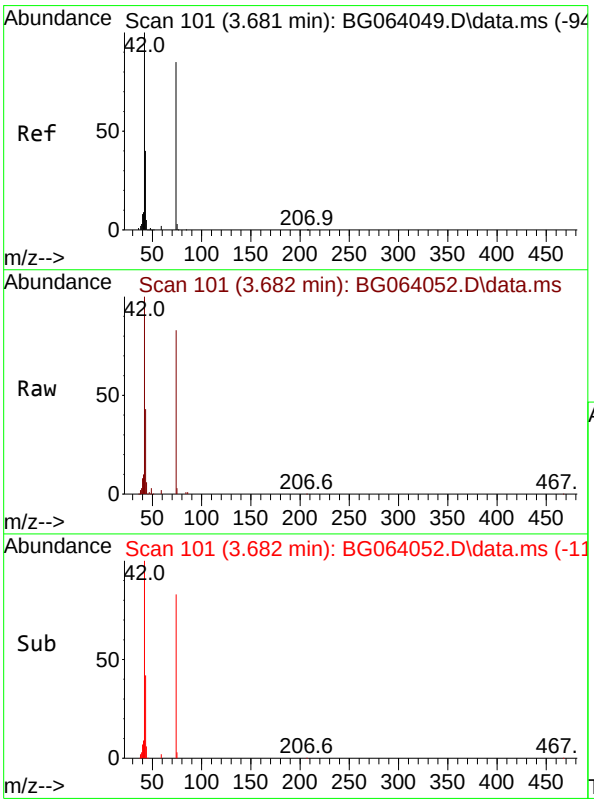
Ion	Ratio	Lower	Upper
79	100		
52	103.3	83.0	124.6
51	56.2	44.3	66.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

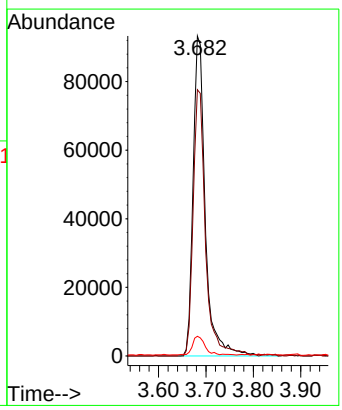
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

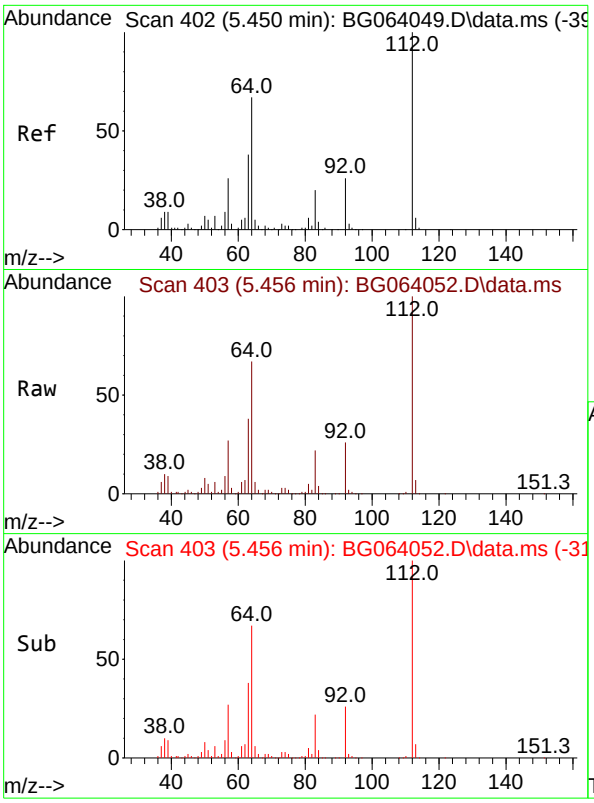


#4
n-Nitrosodimethylamine
Concen: 84.738 ng
RT: 3.682 min Scan# 101
Delta R.T. 0.001 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion: 42 Resp: 166554

Ion	Ratio	Lower	Upper
42	100		
74	83.2	68.0	102.0
44	6.2	4.9	7.3





#5
2-Fluorophenol
Concen: 162.936 ng
RT: 5.456 min Scan# 4
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

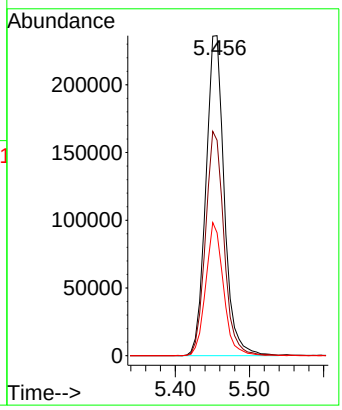
Tgt Ion:112 Resp: 40668

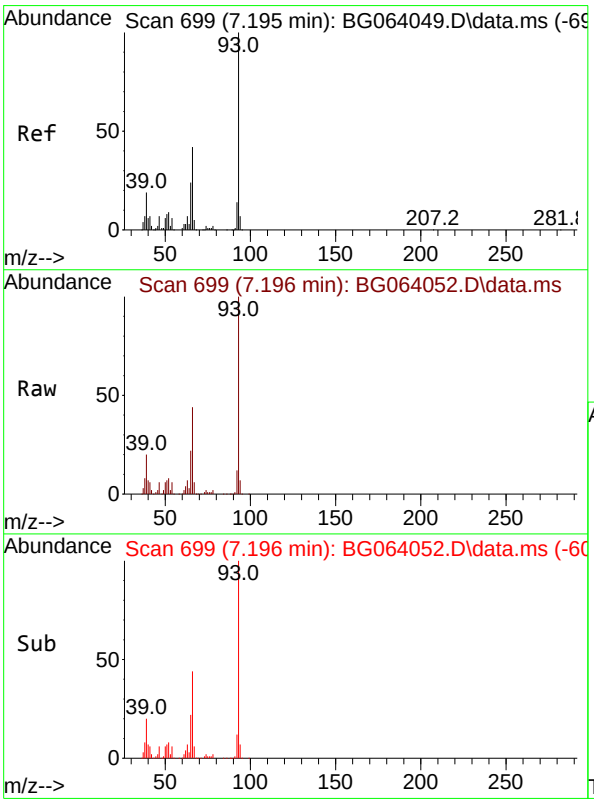
Ion	Ratio	Lower	Upper
112	100		
64	67.3	53.7	80.5
63	38.4	30.2	45.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

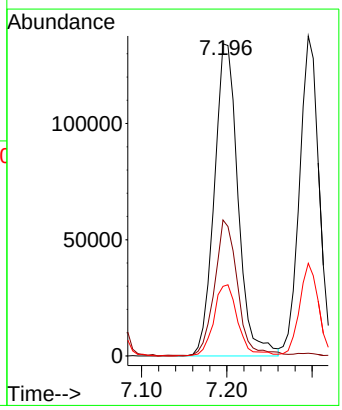


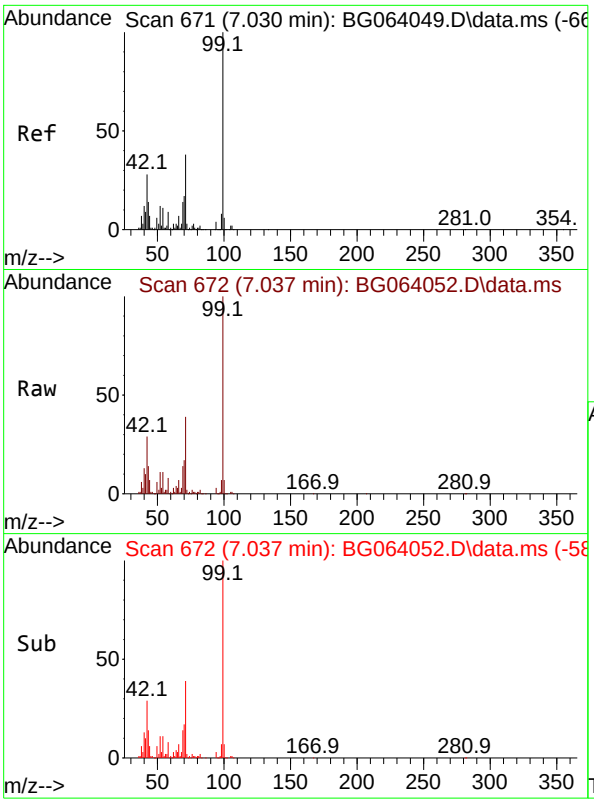


#6
Aniline
Concen: 78.188 ng
RT: 7.196 min Scan# 699
Delta R.T. 0.001 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion: 93 Resp: 260509

Ion	Ratio	Lower	Upper
93	100		
66	43.6	33.7	50.5
65	22.3	19.1	28.7

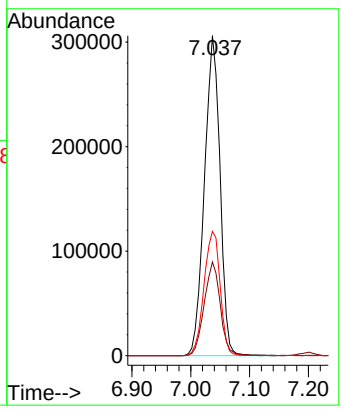




#7
Phenol-d6
Concen: 165.580 ng
RT: 7.037 min Scan# 6
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion: 99 Resp: 56222

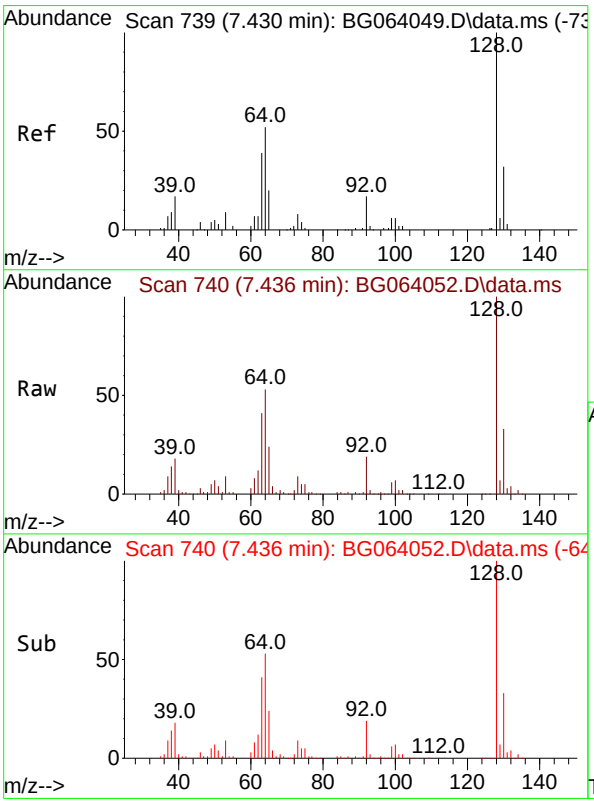
Ion	Ratio	Lower	Upper
99	100		
42	29.3	22.7	34.1
71	38.9	30.6	46.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

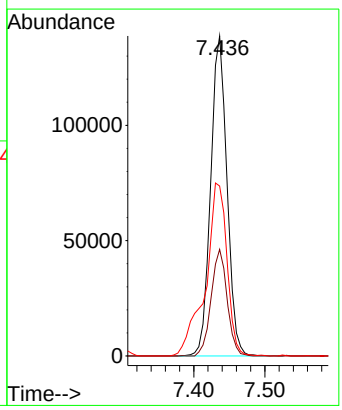
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

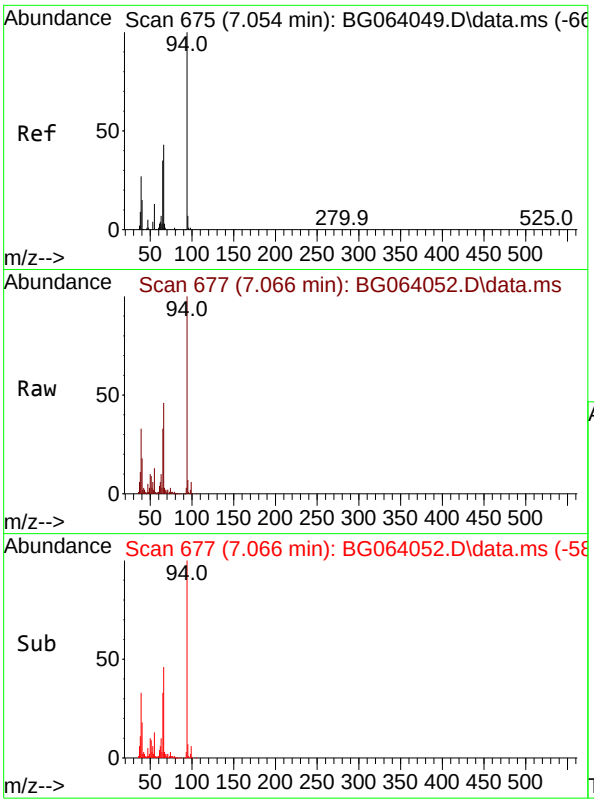


#8
2-Chlorophenol
Concen: 82.552 ng
RT: 7.436 min Scan# 740
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:128 Resp: 221296

Ion	Ratio	Lower	Upper
128	100		
130	33.3	12.3	52.3
64	53.1	37.0	77.0

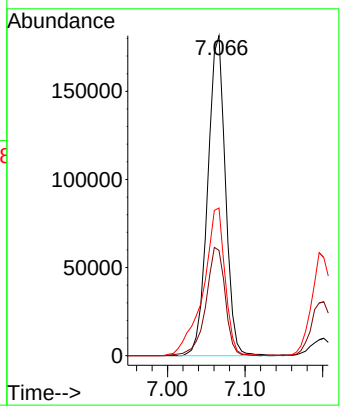




#10
Phenol
Concen: 82.802 ng
RT: 7.066 min Scan# 6
Delta R.T. 0.012 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion: 94 Resp: 28785

Ion	Ratio	Lower	Upper
94	100		
65	32.9	15.2	55.2
66	46.1	25.1	65.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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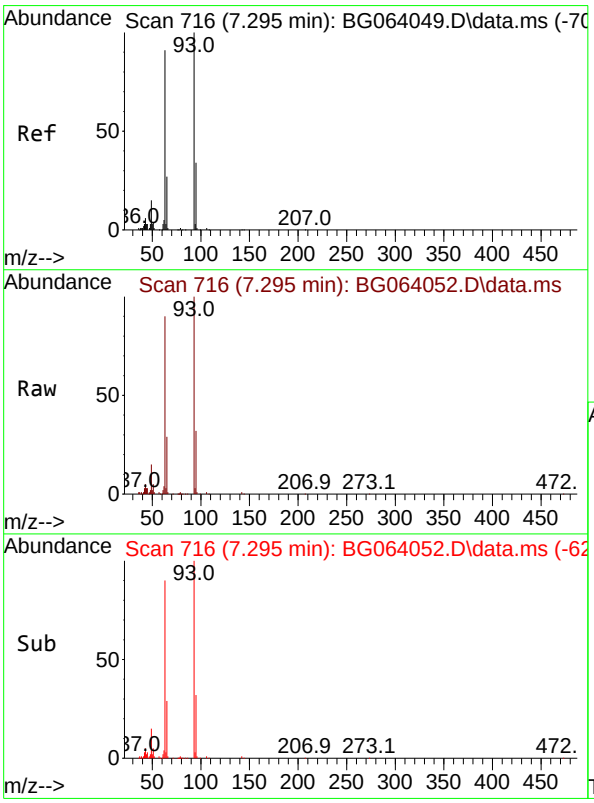
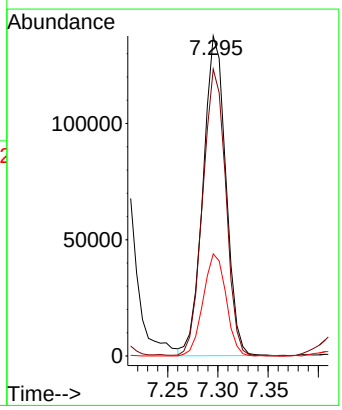
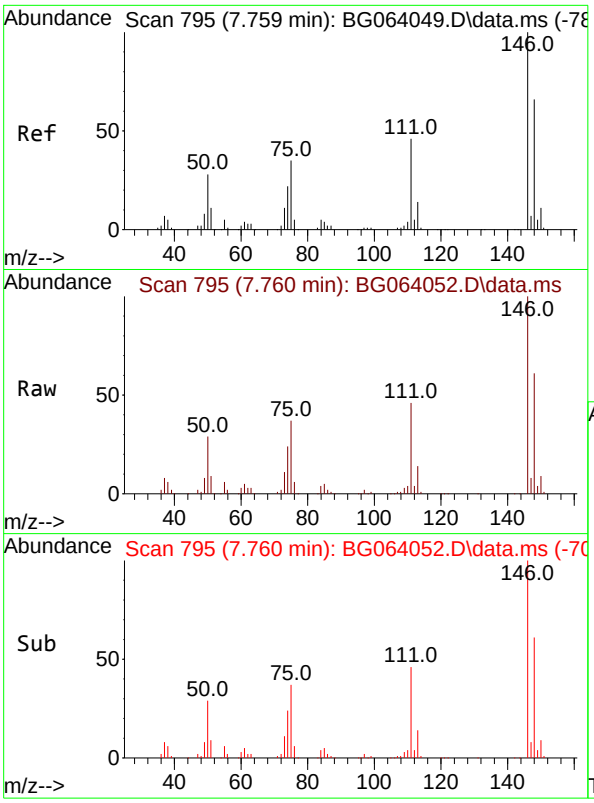


#11
bis(2-Chloroethyl)ether
Concen: 79.707 ng
RT: 7.295 min Scan# 716
Delta R.T. 0.001 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion: 93 Resp: 217240

Ion	Ratio	Lower	Upper
93	100		
63	89.6	70.0	110.0
95	31.9	13.7	53.7

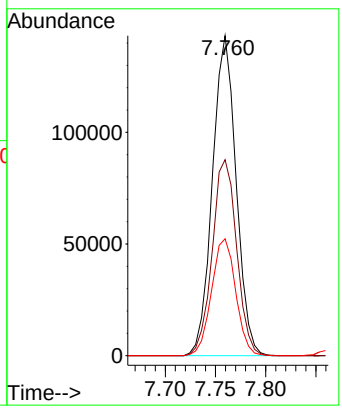




#12
1,3-Dichlorobenzene
Concen: 79.873 ng
RT: 7.760 min Scan# 7
Delta R.T. 0.001 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:146 Resp: 23512

Ion	Ratio	Lower	Upper
146	100		
148	61.3	52.6	78.8
75	36.5	28.1	42.1



Instrument :
BNA_G
ClientSampleId :
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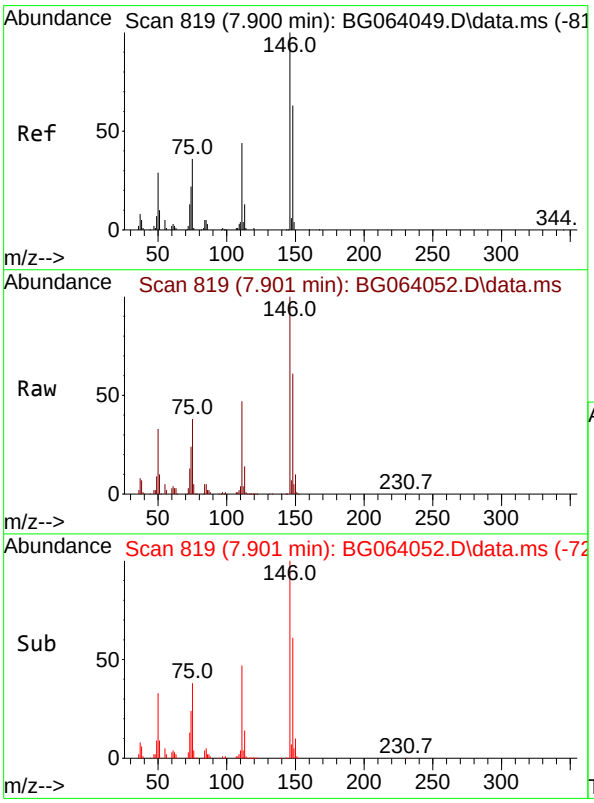
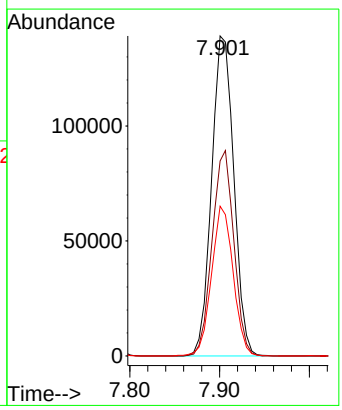
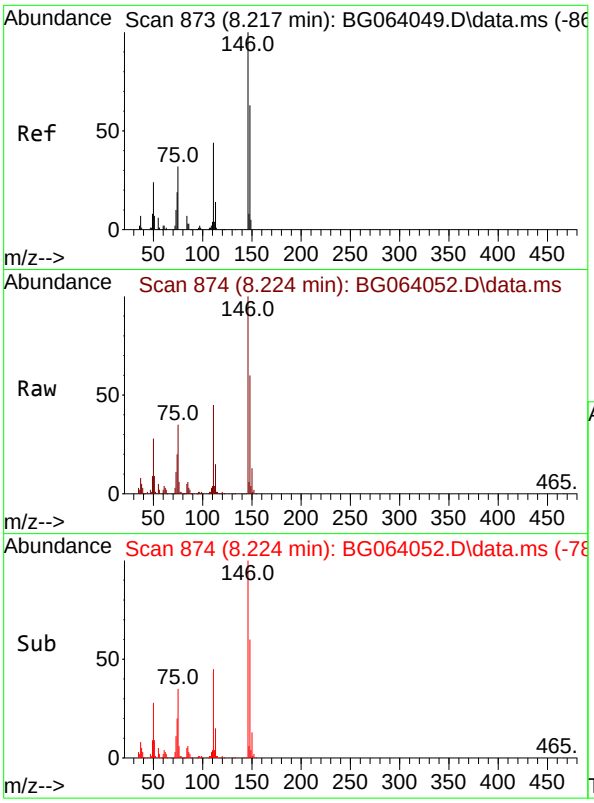


#13
1,4-Dichlorobenzene
Concen: 79.149 ng
RT: 7.901 min Scan# 819
Delta R.T. 0.001 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:146 Resp: 238817

Ion	Ratio	Lower	Upper
146	100		
148	60.9	50.6	75.8
111	46.8	35.1	52.7

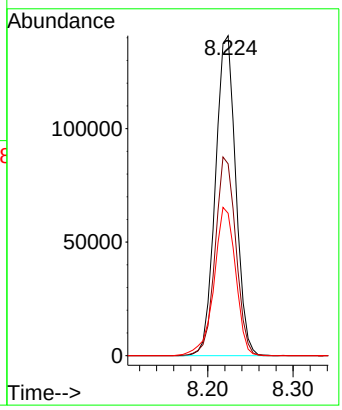




#14
1,2-Dichlorobenzene
Concen: 80.201 ng
RT: 8.224 min Scan# 8
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:146 Resp: 23334

Ion	Ratio	Lower	Upper
146	100		
148	60.0	50.2	75.2
111	44.5	36.4	54.6



Instrument :
BNA_G
ClientSampleId :
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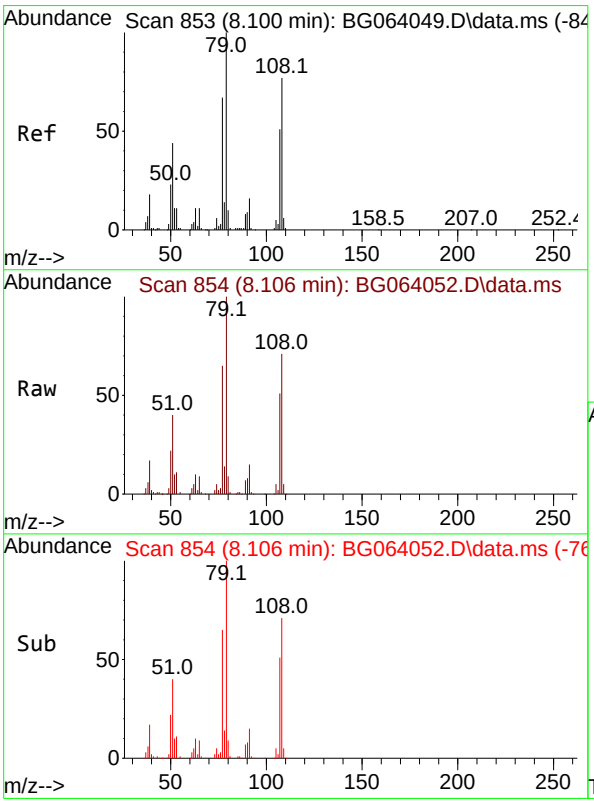
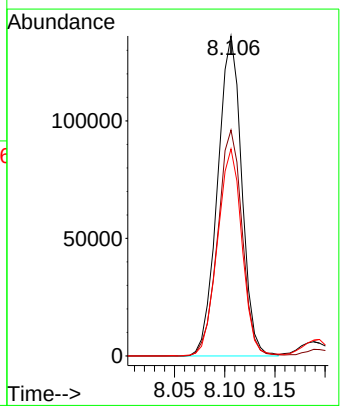
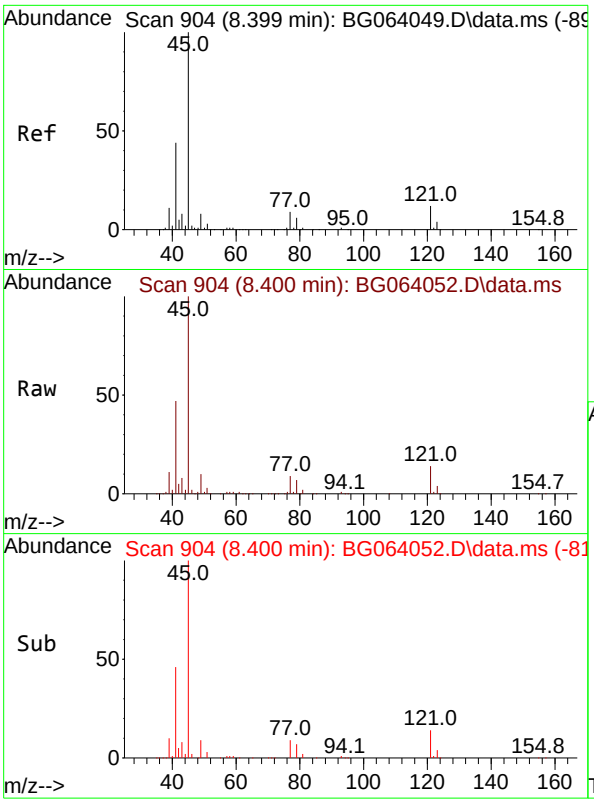


#15
Benzyl Alcohol
Concen: 86.581 ng
RT: 8.106 min Scan# 854
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion: 79 Resp: 227176

Ion	Ratio	Lower	Upper
79	100		
108	70.6	61.7	92.5
77	64.7	53.9	80.9





#16
2,2'-oxybis(1-Chloropropane)
Concen: 81.950 ng
RT: 8.400 min Scan# 9(
Delta R.T. 0.001 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion: 45 Resp: 50222(

Ion	Ratio	Lower	Upper
45	100		
77	9.2	0.0	29.0
79	6.9	0.0	26.6

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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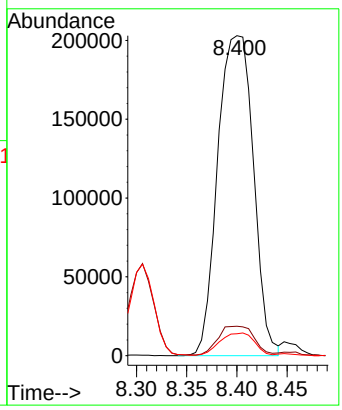
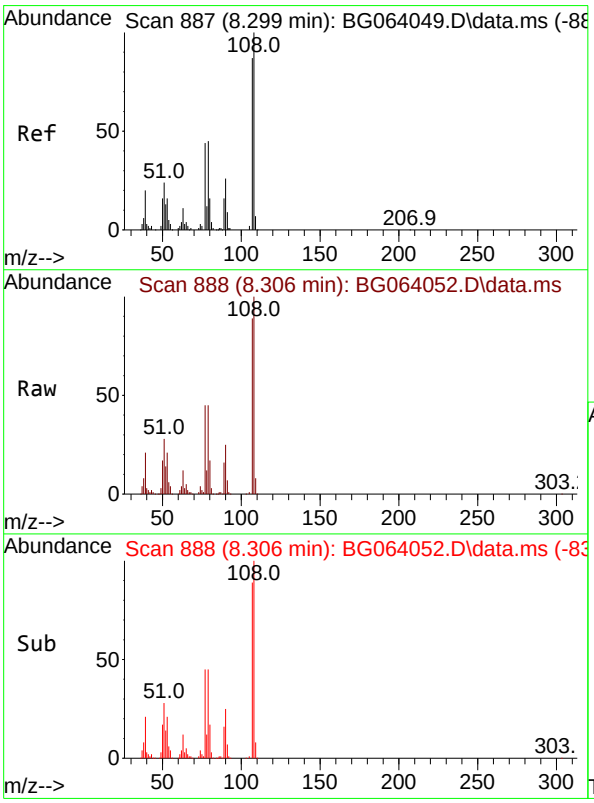
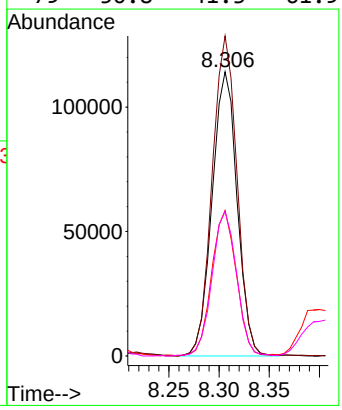


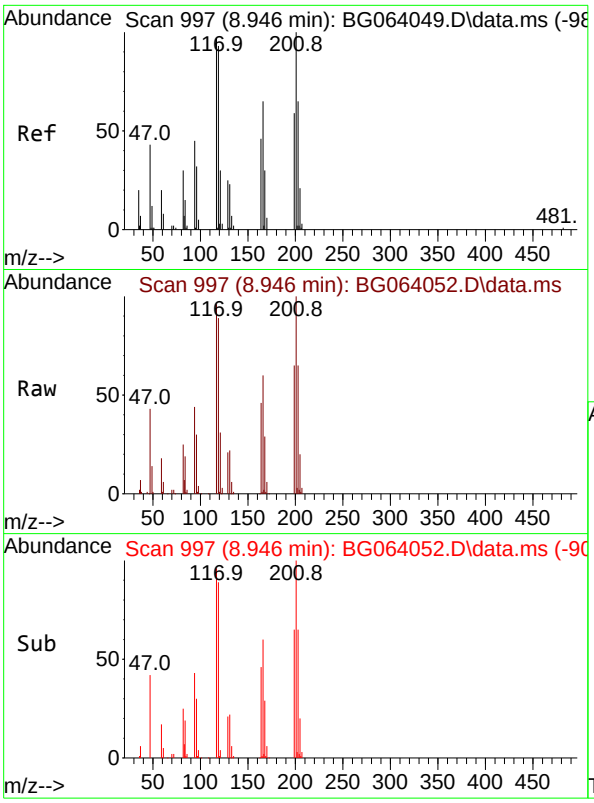


#17
2-Methylphenol
Concen: 85.886 ng
RT: 8.306 min Scan# 888
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:107 Resp: 198161

Ion	Ratio	Lower	Upper
107	100		
108	112.6	92.5	138.7
77	51.2	40.5	60.7
79	50.8	41.3	61.9

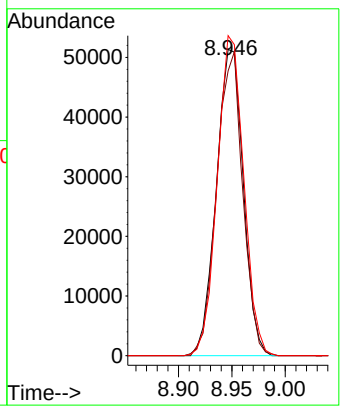




#18
Hexachloroethane
Concen: 85.647 ng
RT: 8.946 min Scan# 9
Delta R.T. 0.001 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:117 Resp: 9041

Ion	Ratio	Lower	Upper
117	100		
119	93.0	76.2	114.2
201	104.5	81.5	122.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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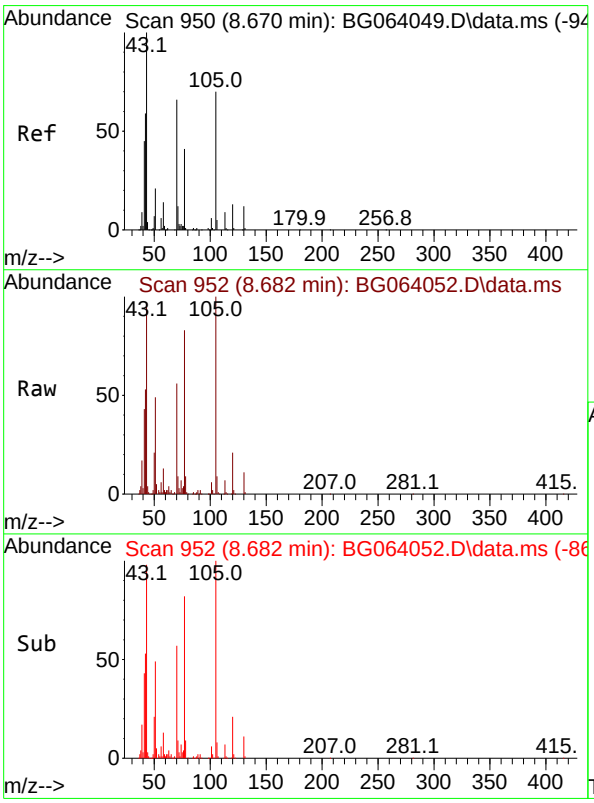
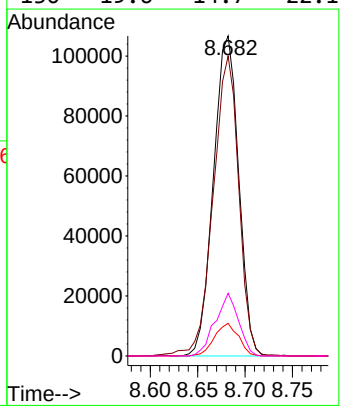
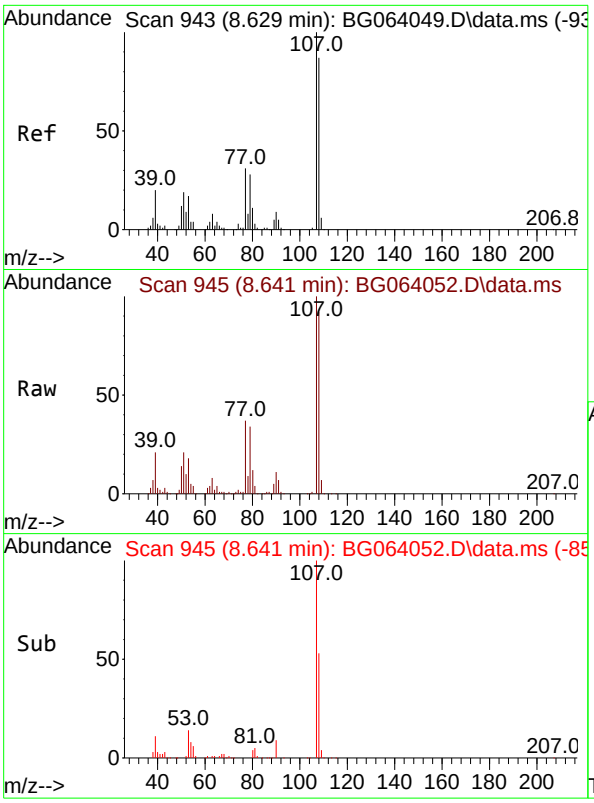


#19
n-Nitroso-di-n-propylamine
Concen: 82.978 ng
RT: 8.682 min Scan# 952
Delta R.T. 0.012 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion: 70 Resp: 197732

Ion	Ratio	Lower	Upper
70	100		
42	93.7	72.1	108.1
101	10.2	7.2	10.8
130	19.6	14.7	22.1

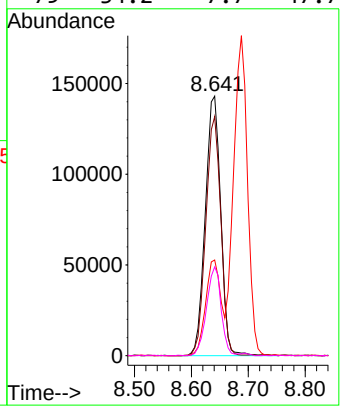




#20
3+4-Methylphenols
Concen: 84.861 ng
RT: 8.641 min Scan# 94
Delta R.T. 0.012 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:107 Resp: 26955

Ion	Ratio	Lower	Upper
107	100		
108	92.1	67.0	107.0
77	36.9	11.2	51.2
79	34.2	7.7	47.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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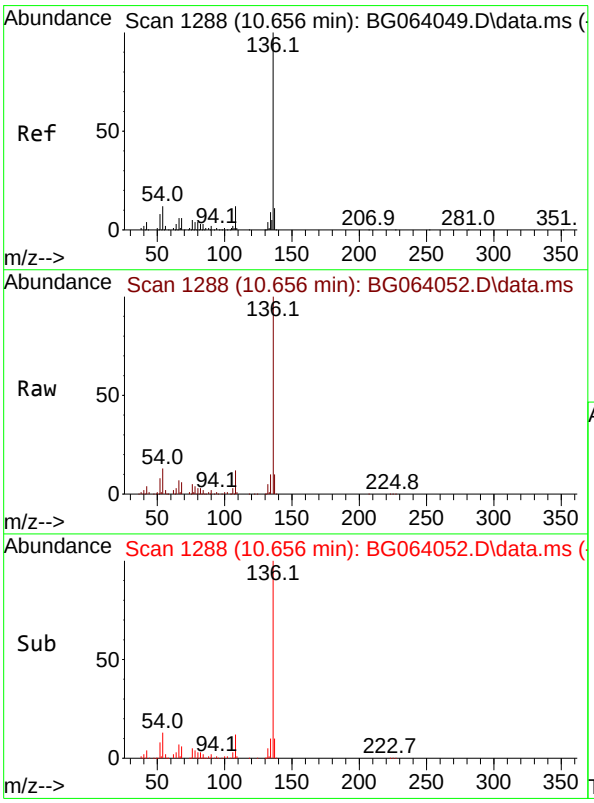
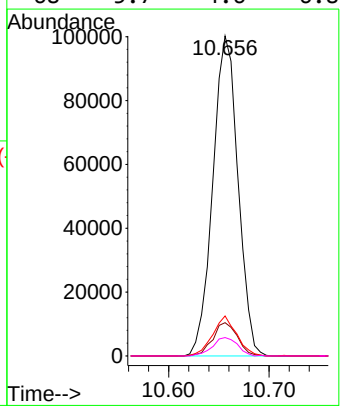
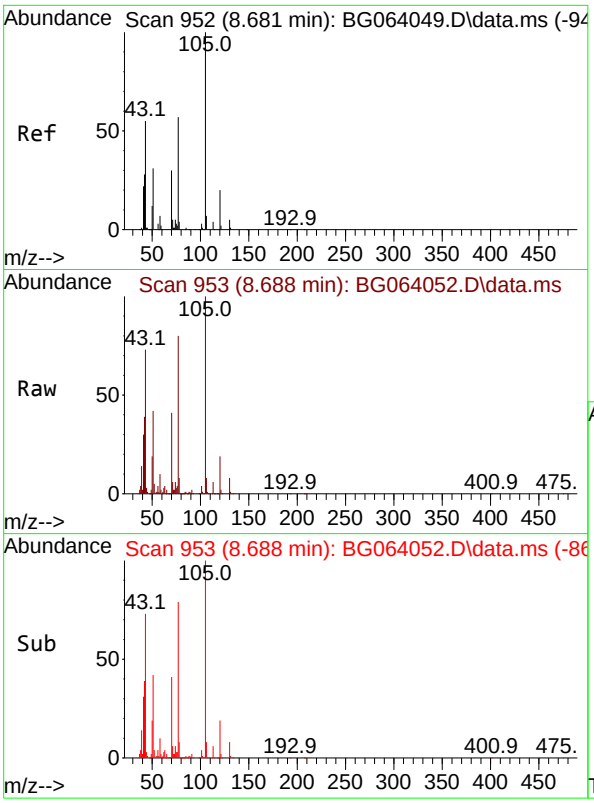


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.656 min Scan# 1288
Delta R.T. 0.000 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:136 Resp: 174562

Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.5	12.7
54	12.5	9.9	14.9
68	5.7	4.6	6.8

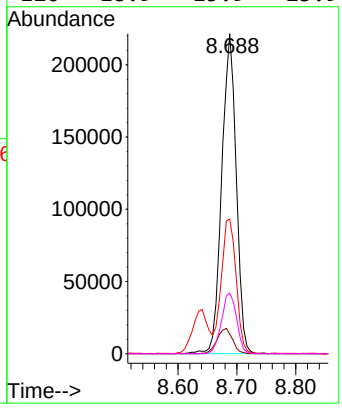




#22
Acetophenone
Concen: 79.207 ng
RT: 8.688 min Scan# 9
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:105 Resp: 37909

Ion	Ratio	Lower	Upper
105	100		
71	6.1	4.2	6.4
51	42.1	33.3	49.9
120	18.9	15.9	23.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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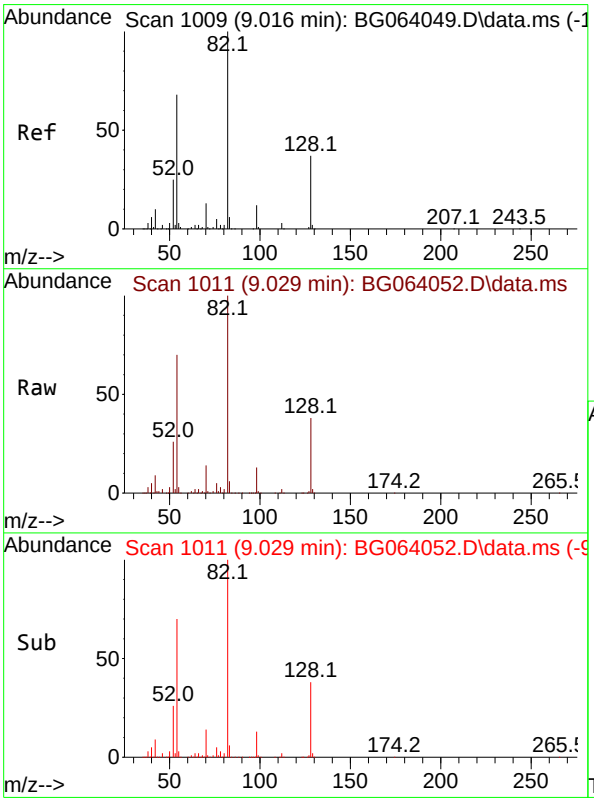
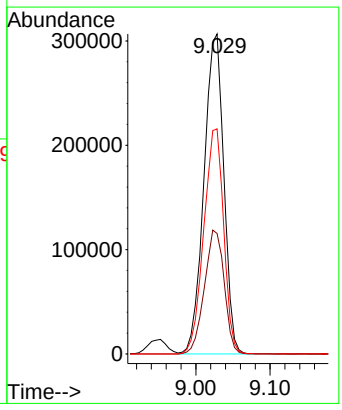
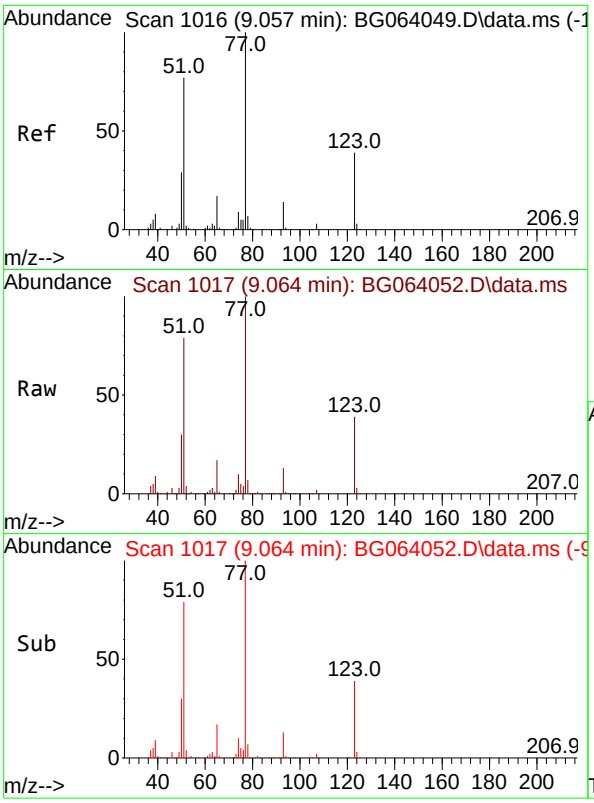


#23
Nitrobenzene-d5
Concen: 180.687 ng
RT: 9.029 min Scan# 1011
Delta R.T. 0.012 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion: 82 Resp: 570757

Ion	Ratio	Lower	Upper
82	100		
128	37.7	30.0	45.0
54	70.4	54.7	82.1





#24
Nitrobenzene
Concen: 87.518 ng
RT: 9.064 min Scan# 1
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion: 77 Resp: 28570

Ion	Ratio	Lower	Upper
77	100		
123	38.5	31.4	47.2
65	16.8	13.4	20.0

Instrument :
BNA_G
ClientSampleId :
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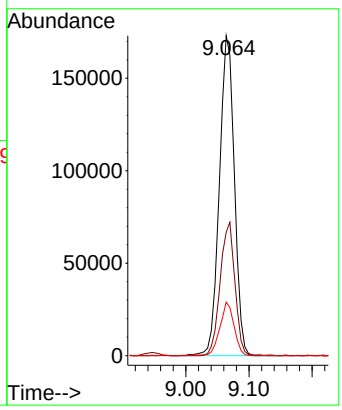
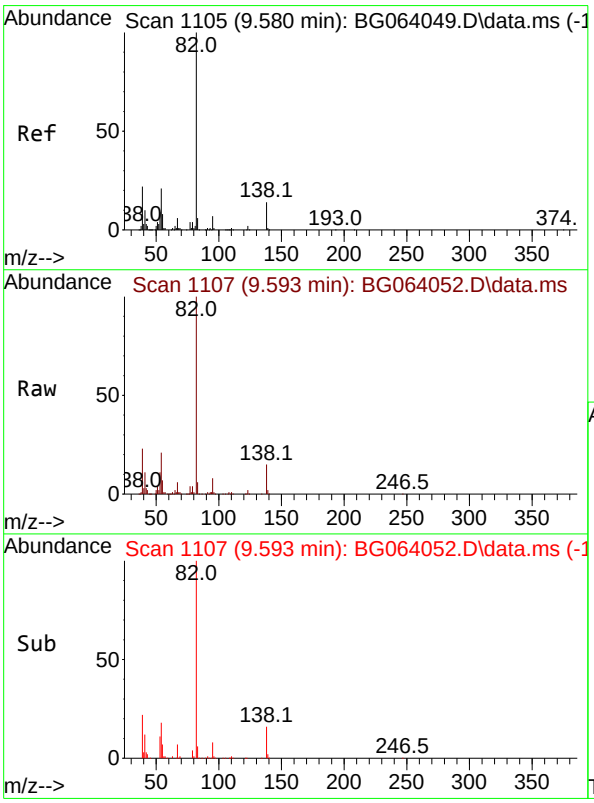
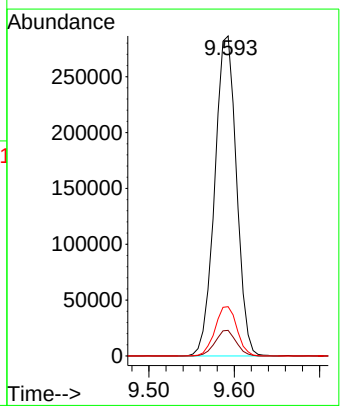


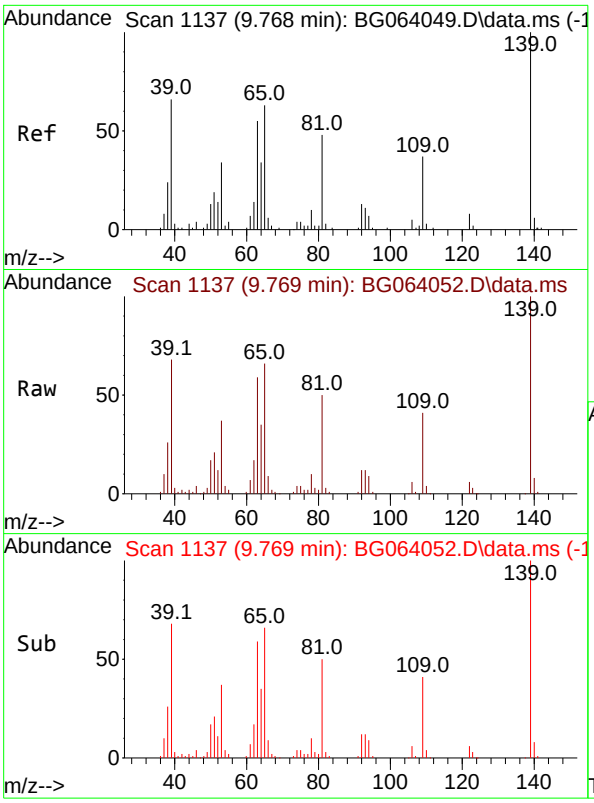


#25
Isophorone
Concen: 80.266 ng
RT: 9.593 min Scan# 1107
Delta R.T. 0.012 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion: 82 Resp: 507481

Ion	Ratio	Lower	Upper
82	100		
95	8.0	5.8	8.8
138	15.4	10.9	16.3





#26
2-Nitrophenol
Concen: 79.399 ng
RT: 9.769 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:139 Resp: 10238

Ion	Ratio	Lower	Upper
139	100		
109	40.9	29.9	44.9
65	65.9	50.6	76.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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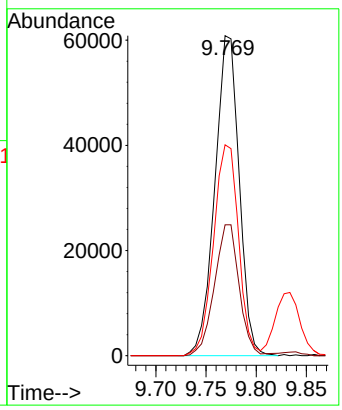
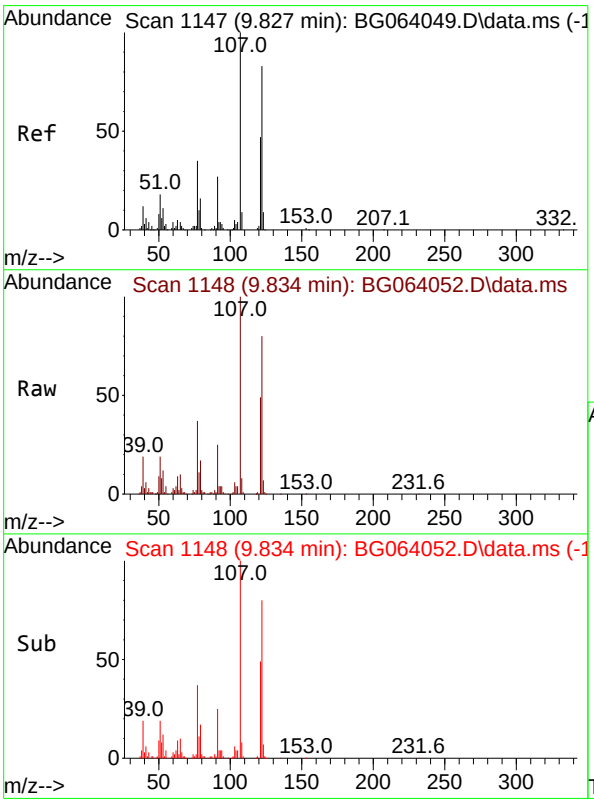
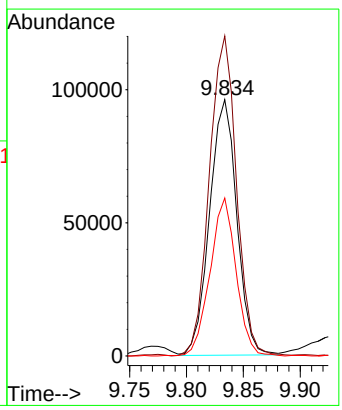


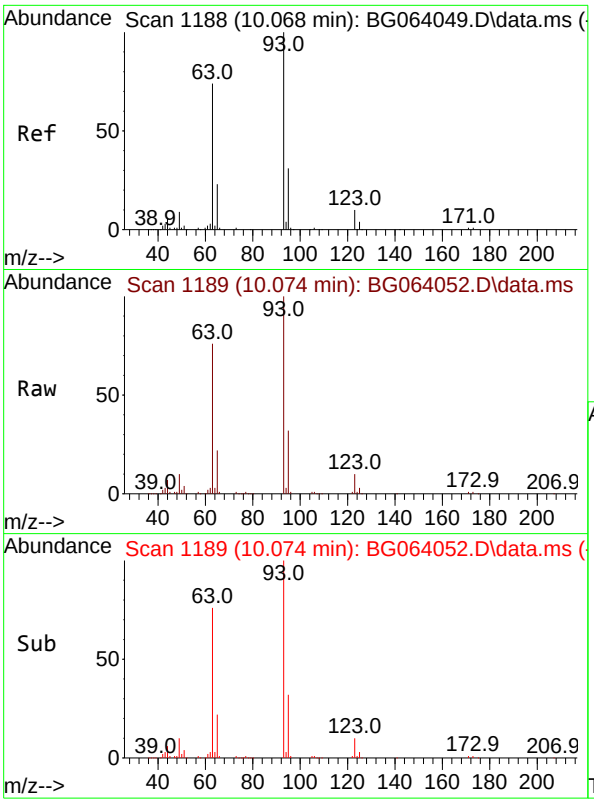


#27
2,4-Dimethylphenol
Concen: 84.413 ng
RT: 9.834 min Scan# 1148
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:122 Resp: 159995

Ion	Ratio	Lower	Upper
122	100		
107	124.9	95.4	143.0
121	61.6	44.9	67.3

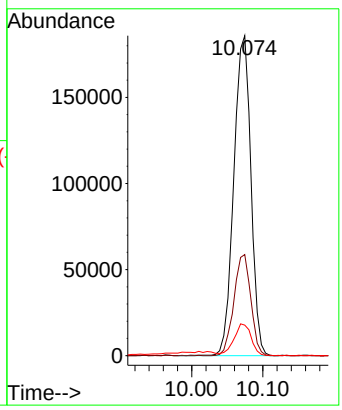




#28
bis(2-Chloroethoxy)methane
Concen: 81.082 ng
RT: 10.074 min Scan# 1
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion: 93 Resp: 31080

Ion	Ratio	Lower	Upper
93	100		
95	31.6	25.0	37.4
123	9.5	7.6	11.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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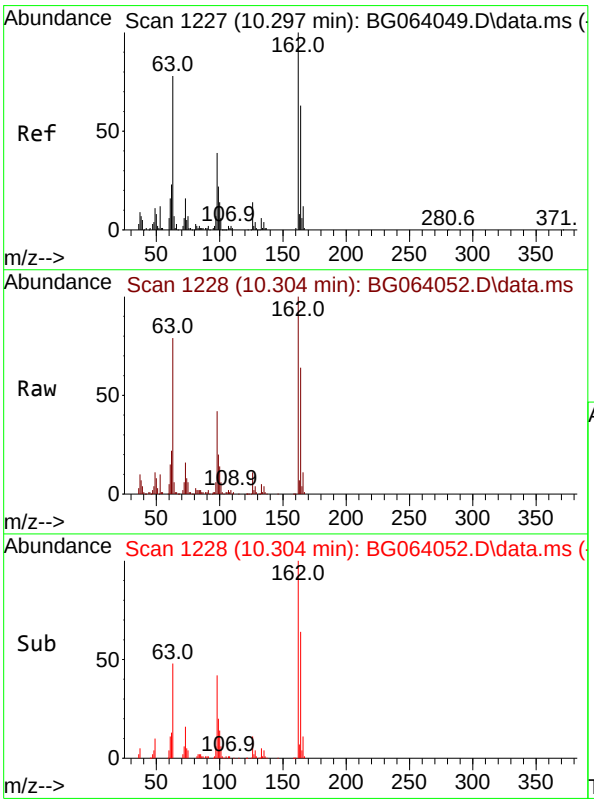
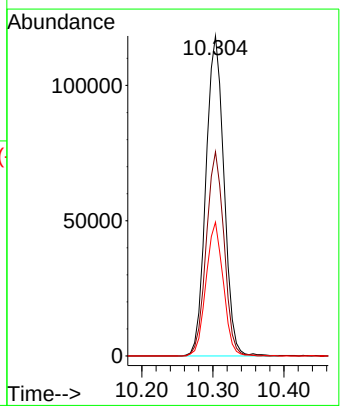
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

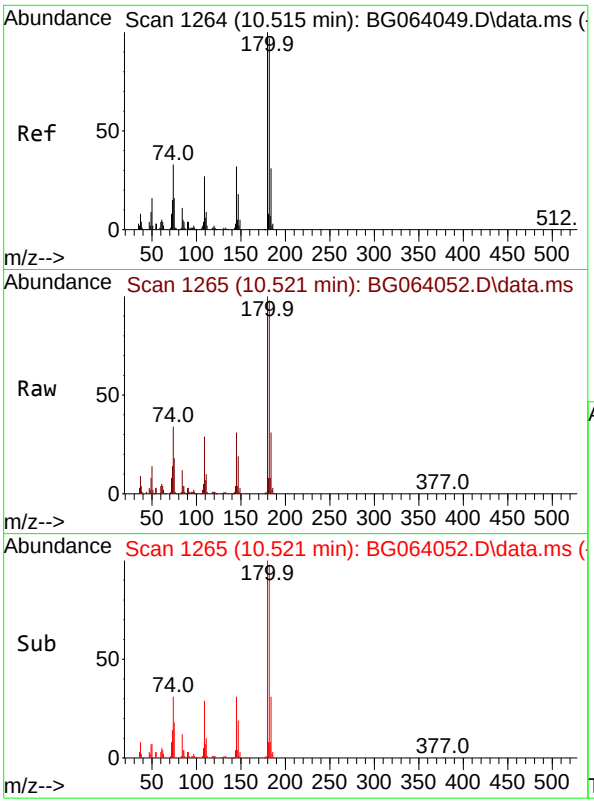


#29
2,4-Dichlorophenol
Concen: 87.086 ng
RT: 10.304 min Scan# 1228
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:162 Resp: 208425

Ion	Ratio	Lower	Upper
162	100		
164	63.8	42.8	82.8
98	41.8	19.1	59.1

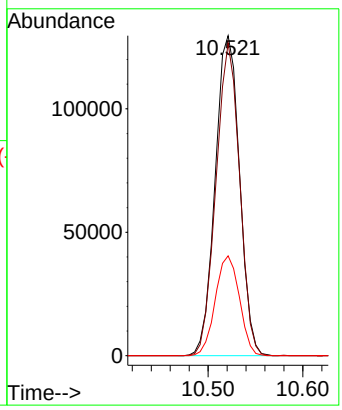




#30
1,2,4-Trichlorobenzene
Concen: 80.151 ng
RT: 10.521 min Scan# 1
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:180 Resp: 23157

Ion	Ratio	Lower	Upper
180	100		
182	97.7	77.3	115.9
145	31.2	25.2	37.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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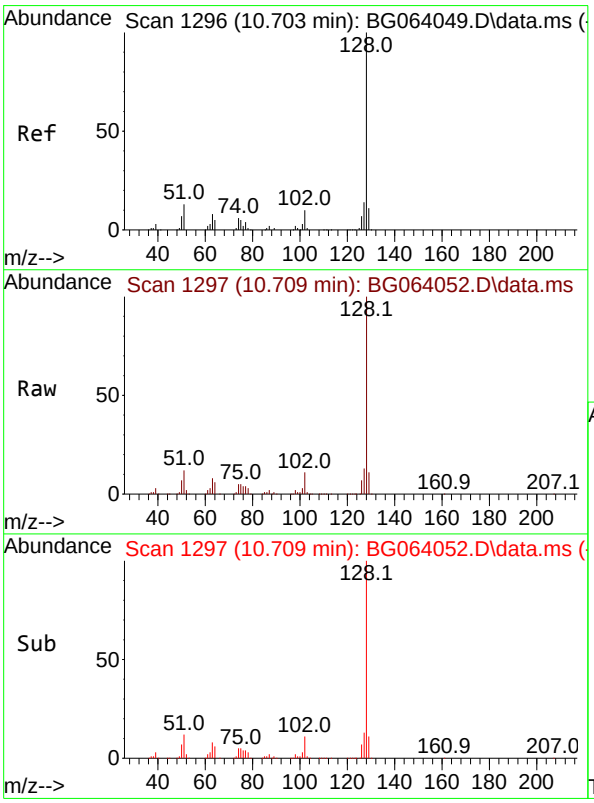
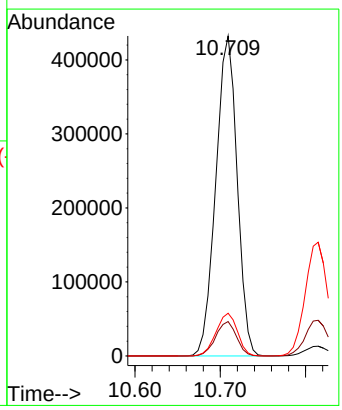
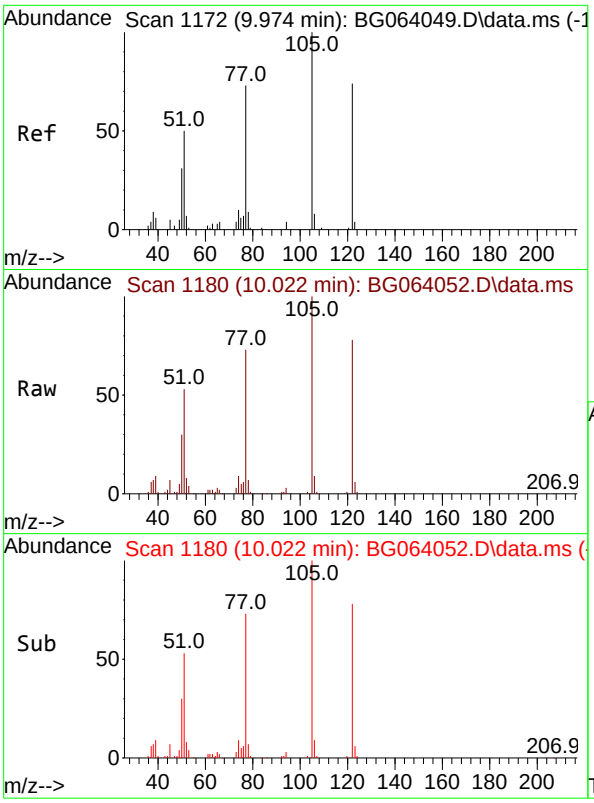


#31
Naphthalene
Concen: 79.925 ng
RT: 10.709 min Scan# 1297
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:128 Resp: 752327

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.4	12.6
127	13.3	11.1	16.7

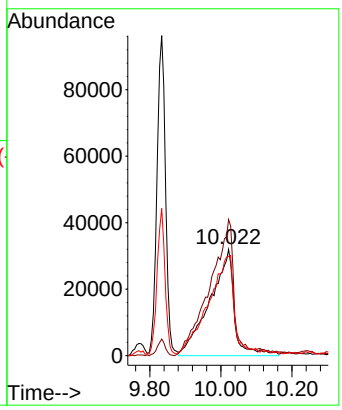




#32
Benzoic acid
Concen: 81.016 ng m
RT: 10.022 min Scan# 1
Delta R.T. 0.048 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:122 Resp: 15353

Ion	Ratio	Lower	Upper
122	100		
105	128.1	115.0	155.0
77	93.5	80.9	120.9



Instrument :
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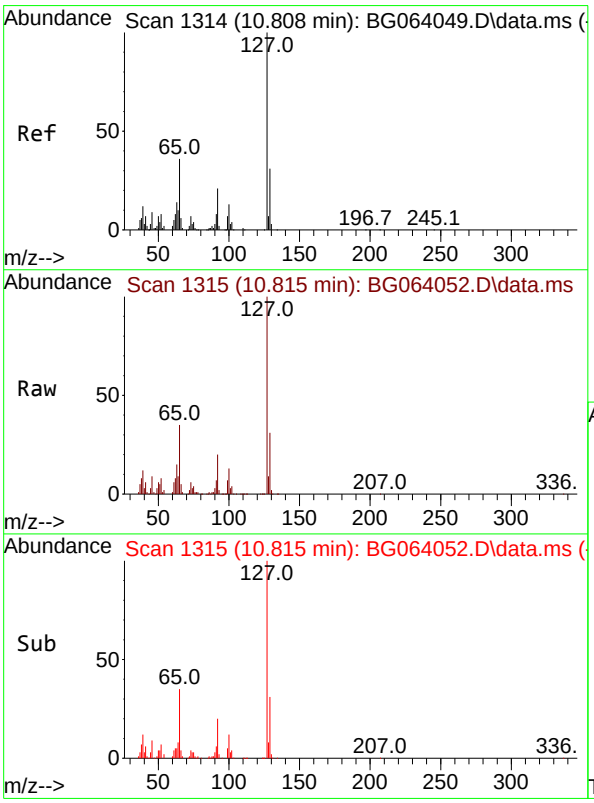
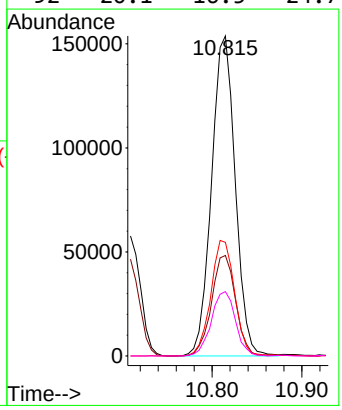
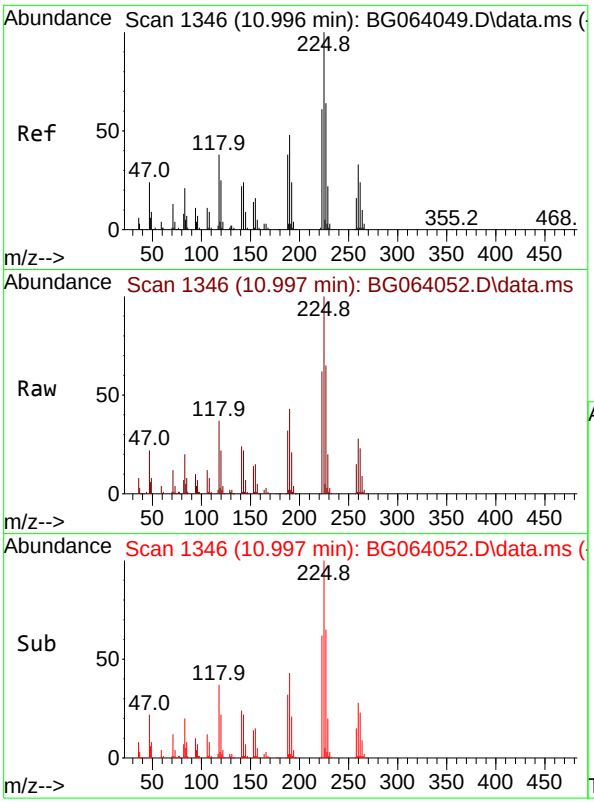


#33
4-Chloroaniline
Concen: 81.948 ng
RT: 10.815 min Scan# 1315
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:127 Resp: 281930

Ion	Ratio	Lower	Upper
127	100		
129	31.4	25.0	37.4
65	35.5	28.5	42.7
92	20.1	16.5	24.7

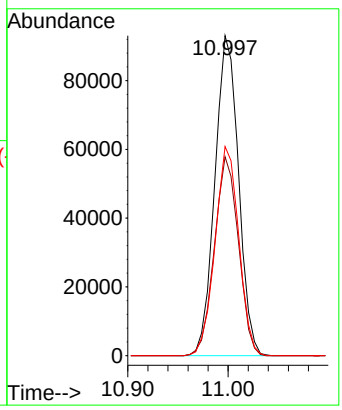




#34
Hexachlorobutadiene
Concen: 80.341 ng
RT: 10.997 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:225 Resp: 15214

Ion	Ratio	Lower	Upper
225	100		
223	62.1	48.5	72.7
227	65.4	51.0	76.6



Instrument :
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ClientSampleId :
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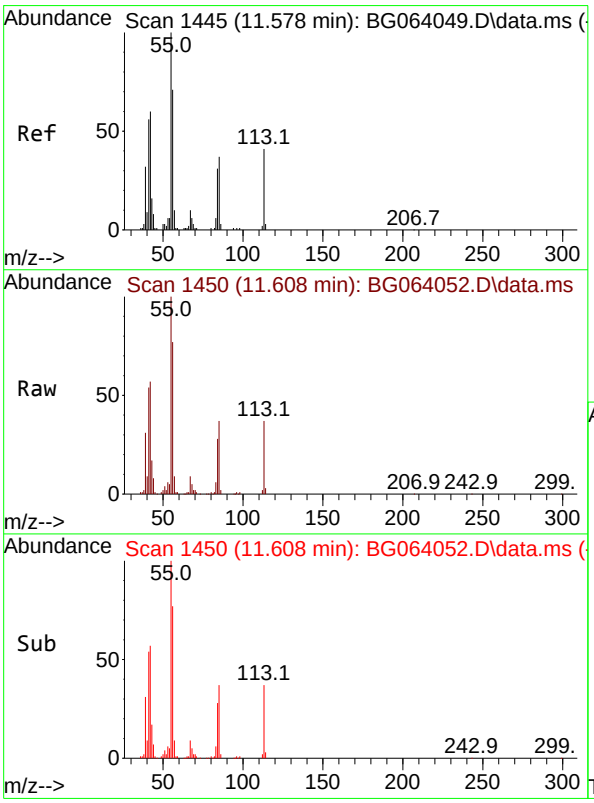
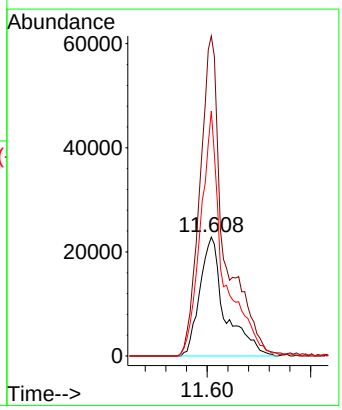
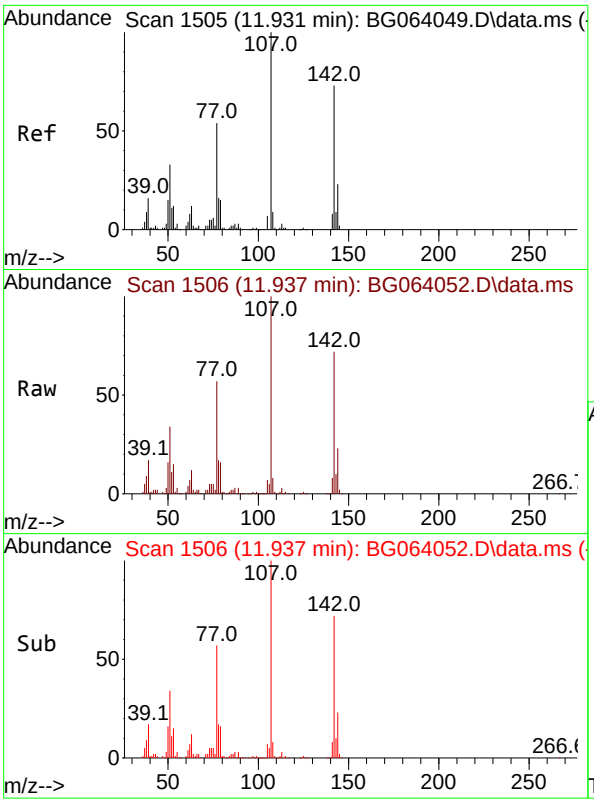


#35
Caprolactam
Concen: 84.477 ng
RT: 11.608 min Scan# 1450
Delta R.T. 0.030 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:113 Resp: 77479

Ion	Ratio	Lower	Upper
113	100		
55	269.1	225.2	265.2#
56	206.0	153.4	193.4#





#36
4-Chloro-3-methylphenol
Concen: 83.772 ng
RT: 11.937 min Scan# 1
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:107 Resp: 26281

Ion	Ratio	Lower	Upper
107	100		
144	22.9	18.6	28.0
142	72.3	58.0	87.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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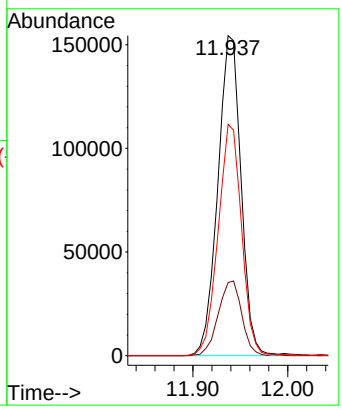
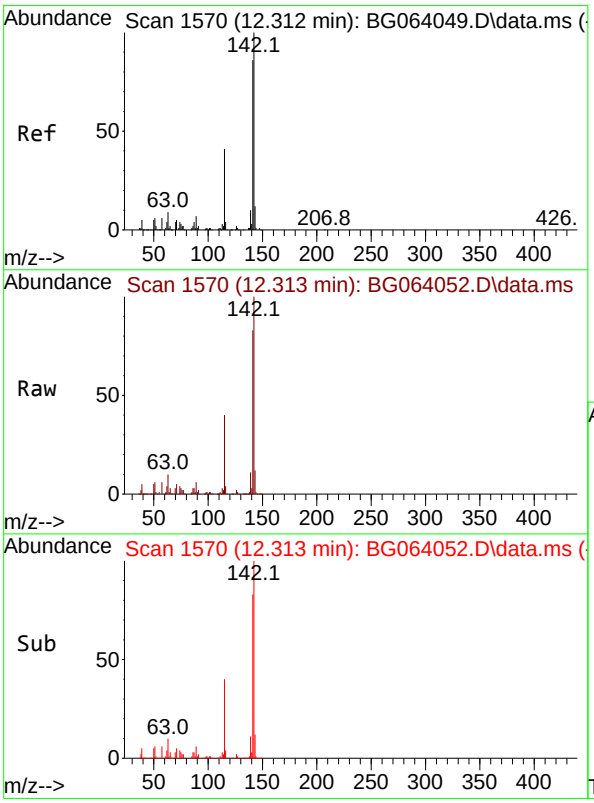
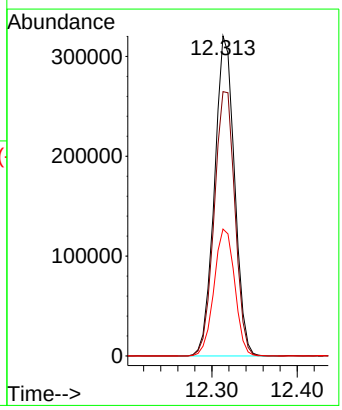


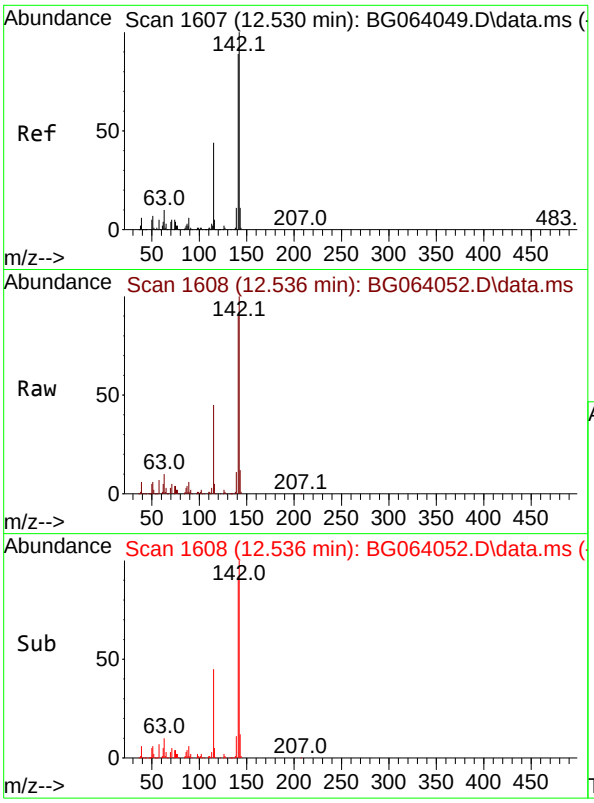


#37
2-Methylnaphthalene
Concen: 78.886 ng
RT: 12.313 min Scan# 1570
Delta R.T. 0.001 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:142 Resp: 524206

Ion	Ratio	Lower	Upper
142	100		
141	82.6	68.6	103.0
115	39.7	32.8	49.2

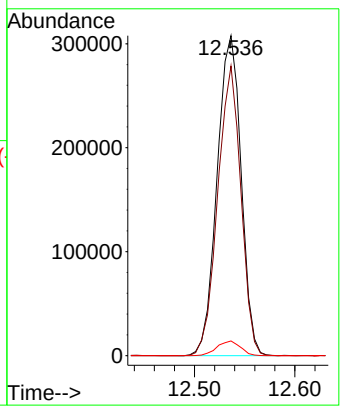




#38
1-Methylnaphthalene
Concen: 78.566 ng
RT: 12.536 min Scan# 1
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:142 Resp: 51148

Ion	Ratio	Lower	Upper
142	100		
141	90.5	71.2	106.8
116	4.6	3.6	5.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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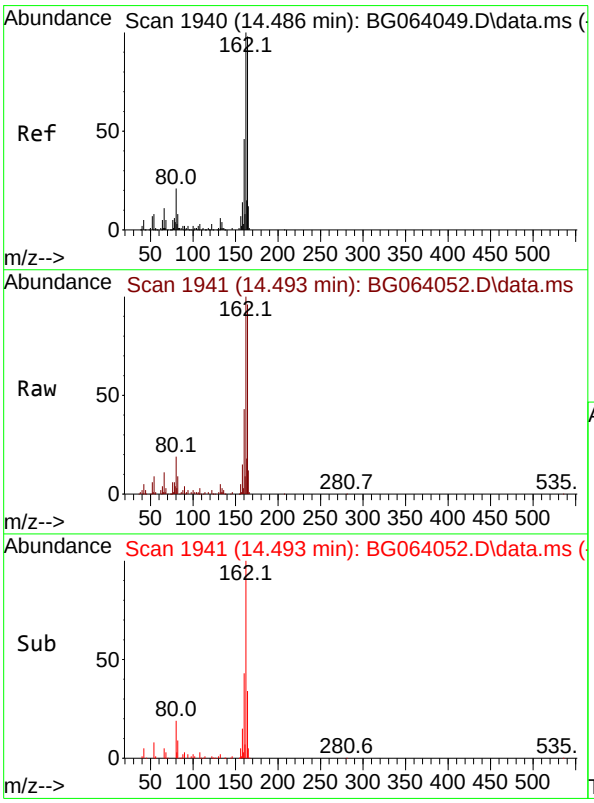
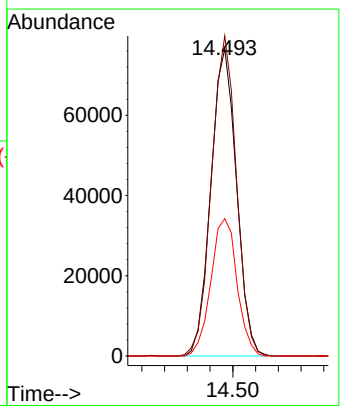
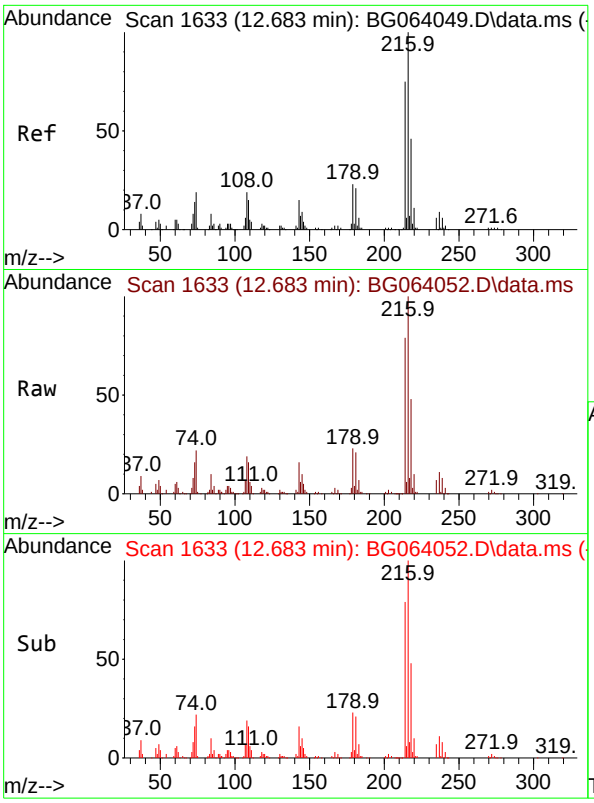


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.493 min Scan# 1941
Delta R.T. 0.007 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:164 Resp: 119753

Ion	Ratio	Lower	Upper
164	100		
162	104.2	81.4	122.0
160	44.7	37.0	55.6

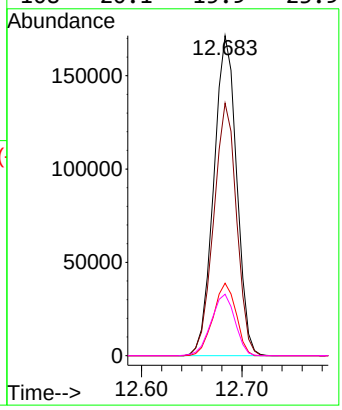




#40
1,2,4,5-Tetrachlorobenzene
Concen: 79.289 ng
RT: 12.683 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:216 Resp: 271079

Ion	Ratio	Lower	Upper
216	100		
214	78.7	61.7	92.5
179	22.6	17.9	26.9
108	20.1	15.9	23.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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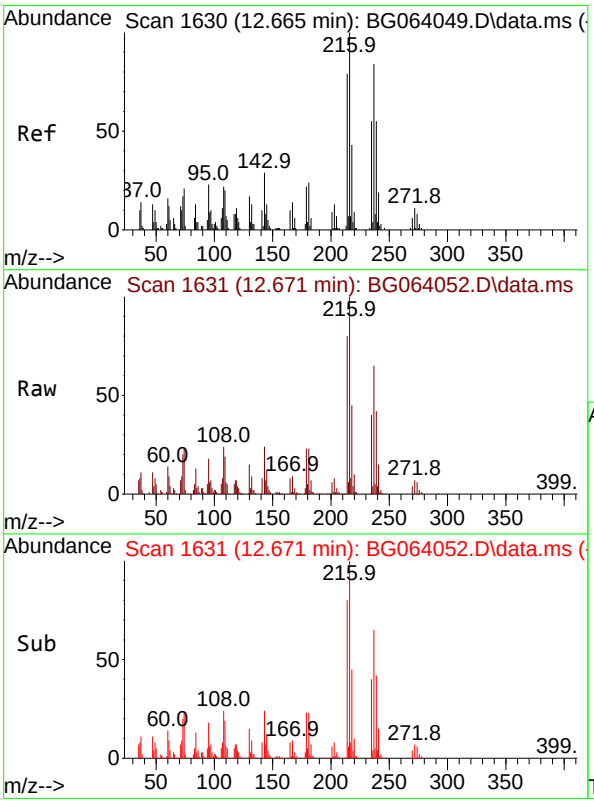
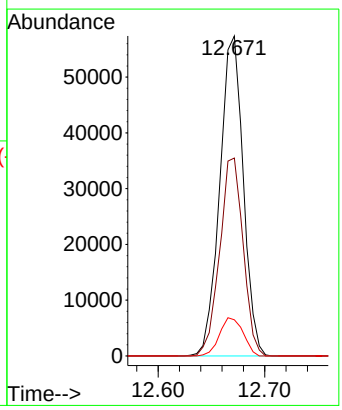
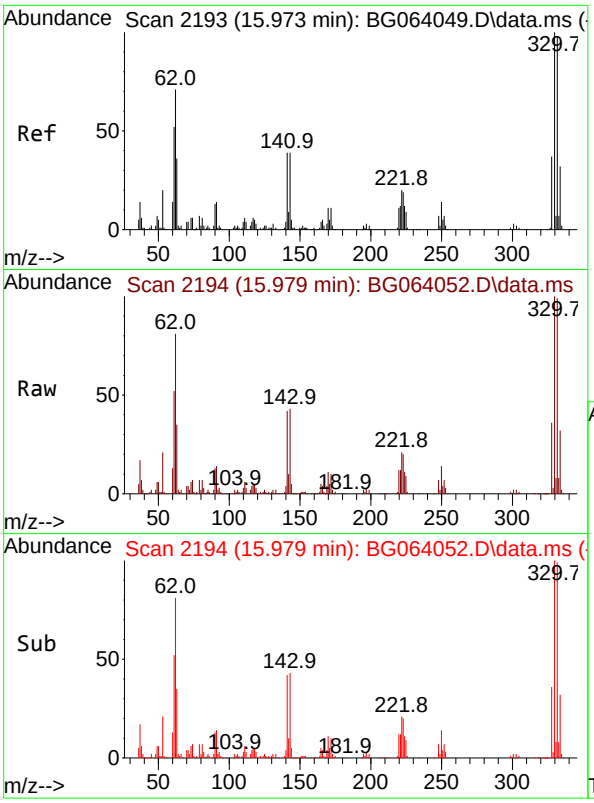


#41
Hexachlorocyclopentadiene
Concen: 91.141 ng
RT: 12.671 min Scan# 1631
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:237 Resp: 87700

Ion	Ratio	Lower	Upper
237	100		
235	61.8	46.0	86.0
272	11.3	0.0	32.8

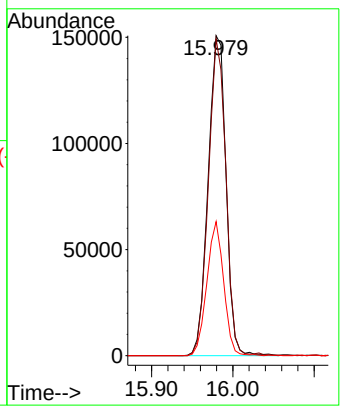




#42
2,4,6-Tribromophenol
Concen: 173.228 ng
RT: 15.979 min Scan# 2
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:330 Resp: 23059

Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.7	115.1
141	39.4	29.7	44.5



Instrument :
BNA_G
ClientSampleId :
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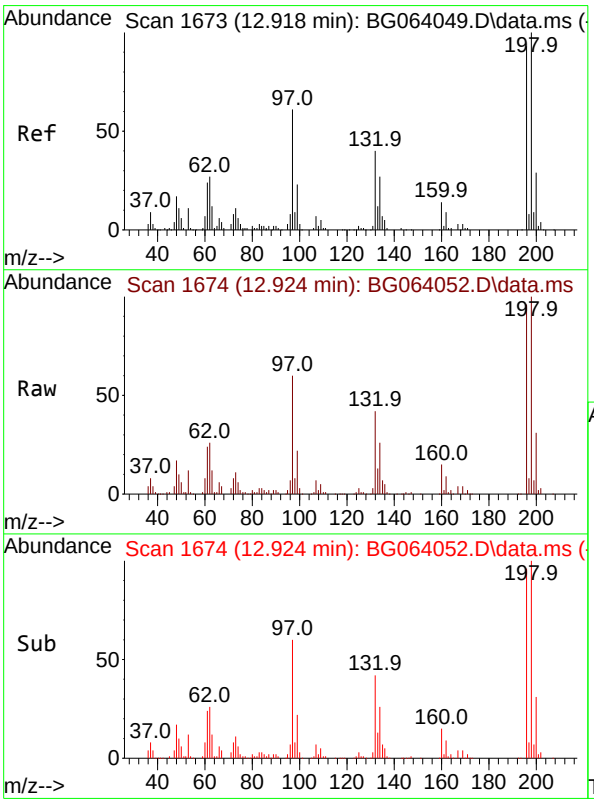
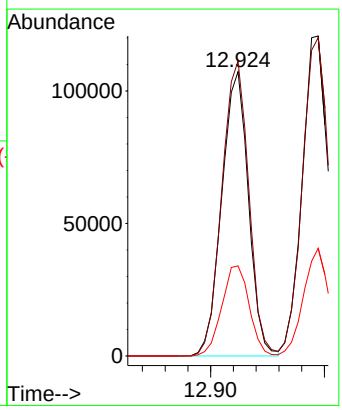
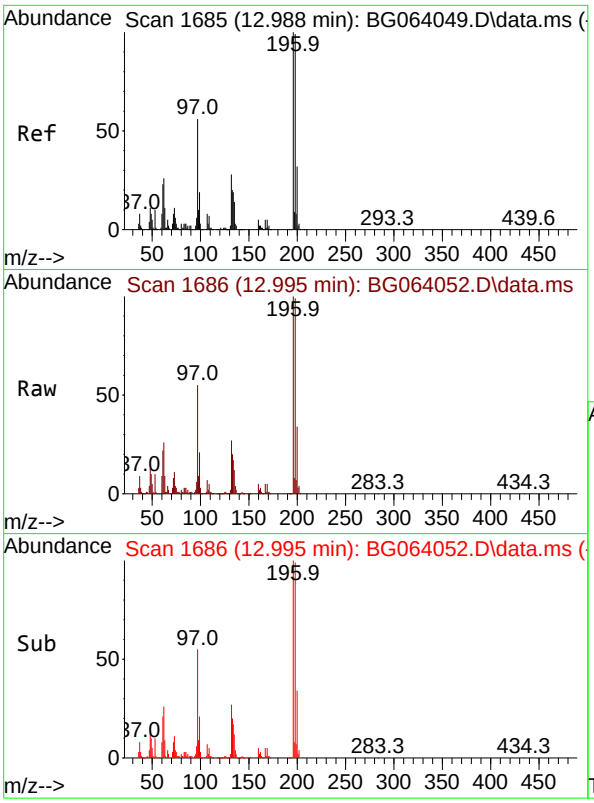


#43
2,4,6-Trichlorophenol
Concen: 86.966 ng
RT: 12.924 min Scan# 1674
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:196 Resp: 175233

Ion	Ratio	Lower	Upper
196	100		
198	103.7	85.6	128.4
200	31.7	24.6	37.0

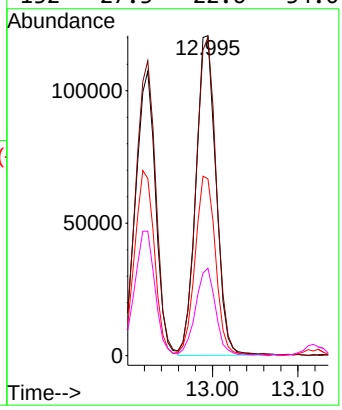




#44
2,4,5-Trichlorophenol
Concen: 88.360 ng
RT: 12.995 min Scan# 1
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:196 Resp: 19783

Ion	Ratio	Lower	Upper
196	100		
198	99.5	79.5	119.3
97	55.3	45.2	67.8
132	27.3	22.6	34.0



Instrument :
BNA_G
ClientSampleId :
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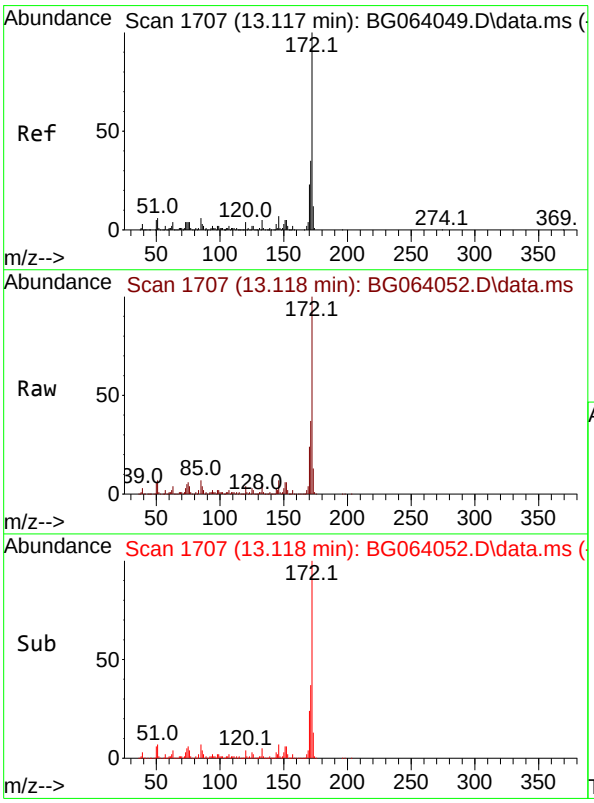
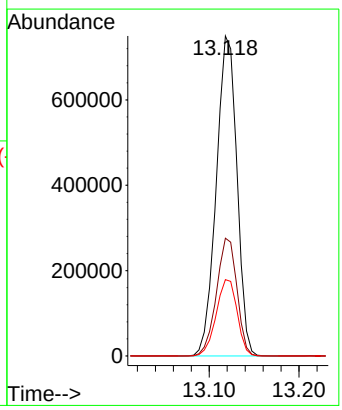
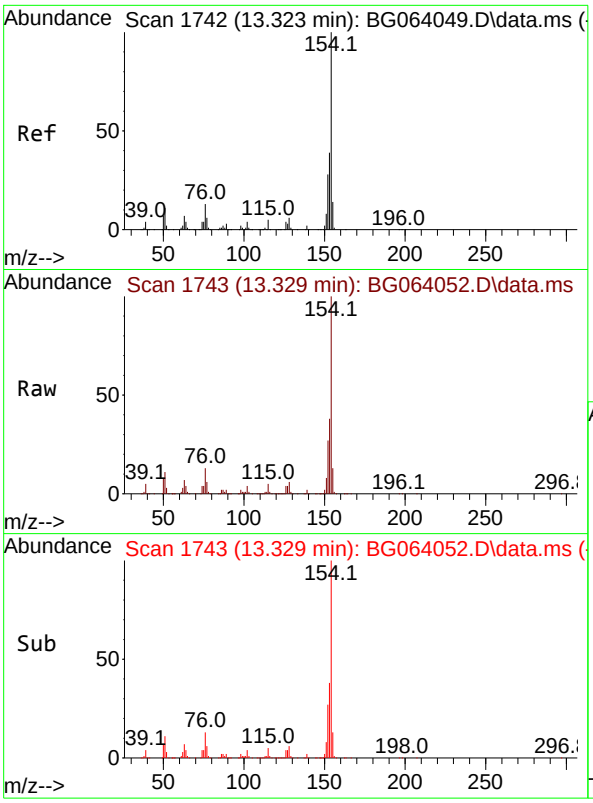


#45
2-Fluorobiphenyl
Concen: 151.908 ng
RT: 13.118 min Scan# 1707
Delta R.T. 0.001 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:172 Resp: 1198476

Ion	Ratio	Lower	Upper
172	100		
171	36.8	28.0	42.0
170	23.9	18.7	28.1

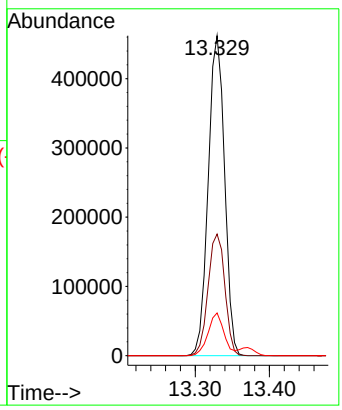




#46
1,1'-Biphenyl
Concen: 78.106 ng
RT: 13.329 min Scan# 1
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:154 Resp: 70665

Ion	Ratio	Lower	Upper
154	100		
153	38.0	19.5	59.5
76	13.3	0.0	33.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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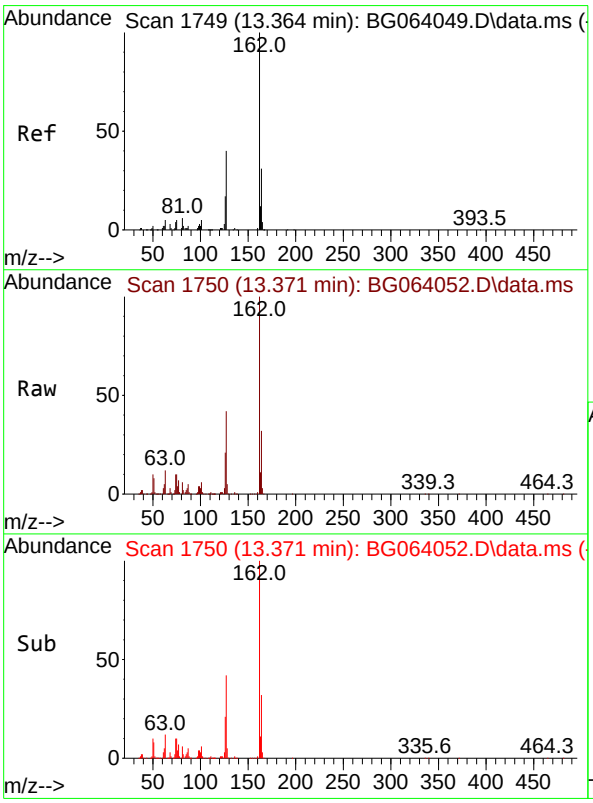
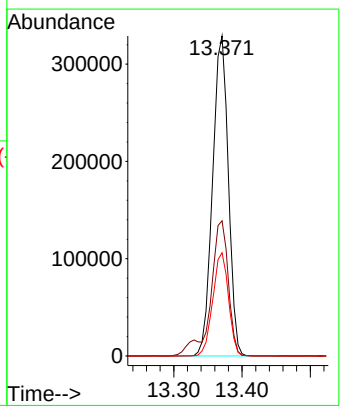
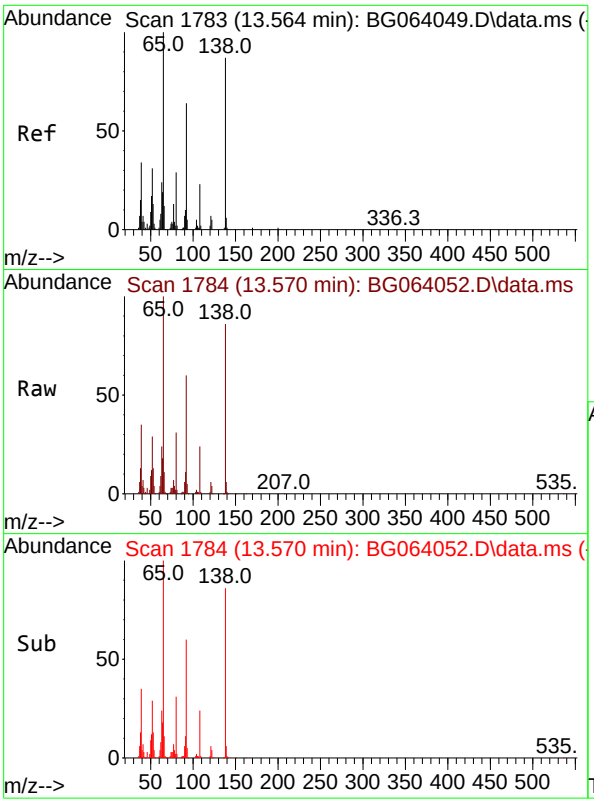


#47
2-Chloronaphthalene
Concen: 80.099 ng
RT: 13.371 min Scan# 1750
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:162 Resp: 528541

Ion	Ratio	Lower	Upper
162	100		
127	42.2	35.0	52.4
164	32.3	25.0	37.6

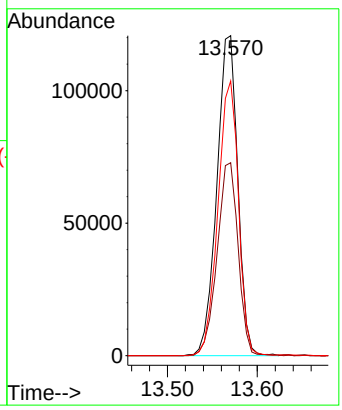




#48
2-Nitroaniline
Concen: 79.407 ng
RT: 13.570 min Scan# 1
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion: 65 Resp: 19536

Ion	Ratio	Lower	Upper
65	100		
92	60.3	51.2	76.8
138	85.9	69.4	104.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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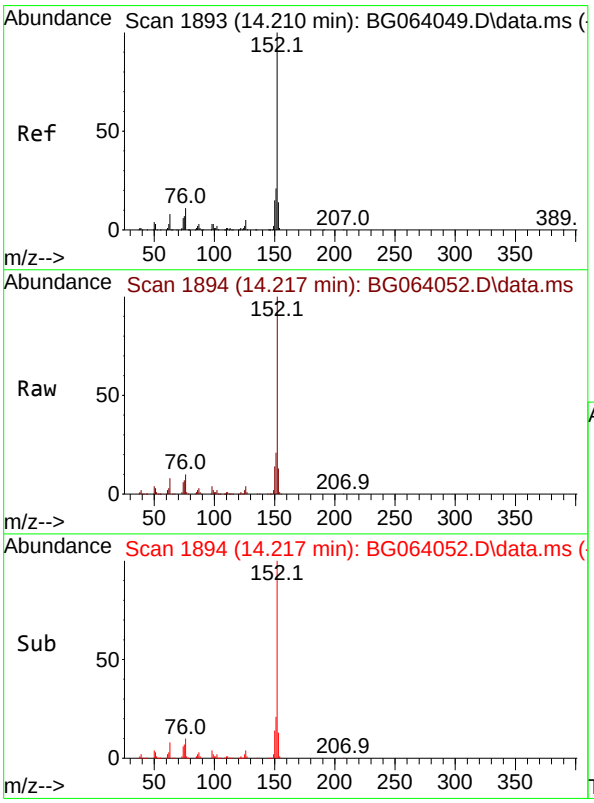
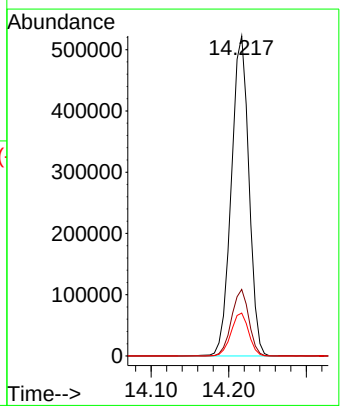
Supervised By :mohammad ahmed 03/07/2025

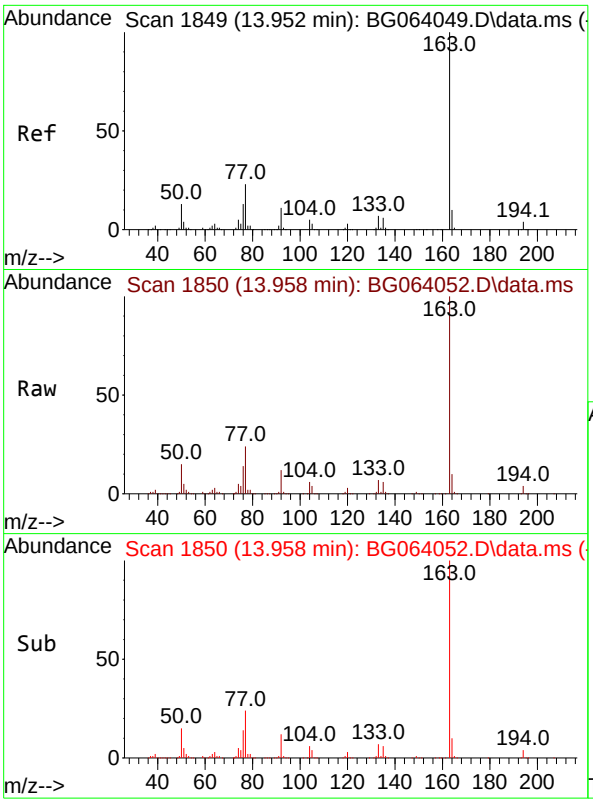


#49
Acenaphthylene
Concen: 78.787 ng
RT: 14.217 min Scan# 1894
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:152 Resp: 822307

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.4	24.6
153	13.4	10.9	16.3





#50
Dimethylphthalate
Concen: 78.689 ng
RT: 13.958 min Scan# 1
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:163 Resp: 69559

Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.8	4.2
164	10.4	8.2	12.2

Instrument :
BNA_G
ClientSampleId :
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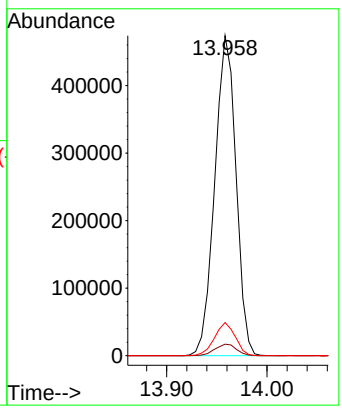
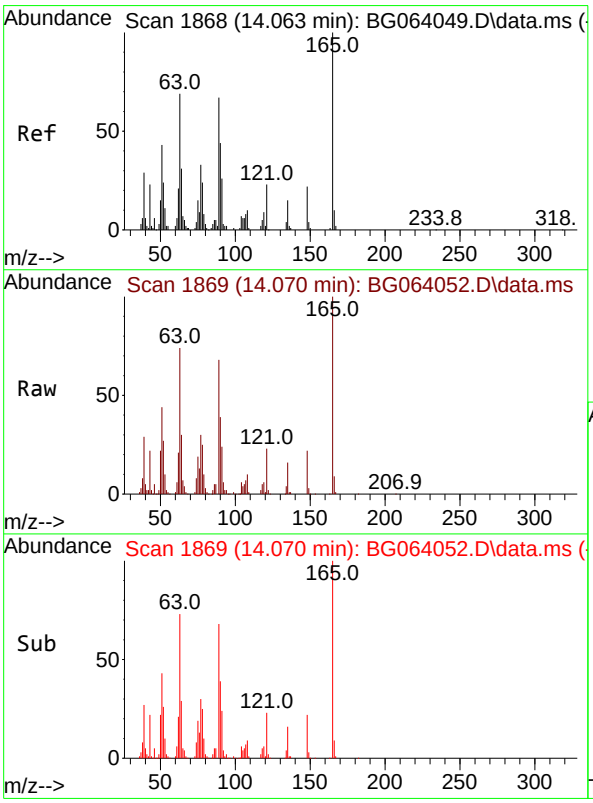
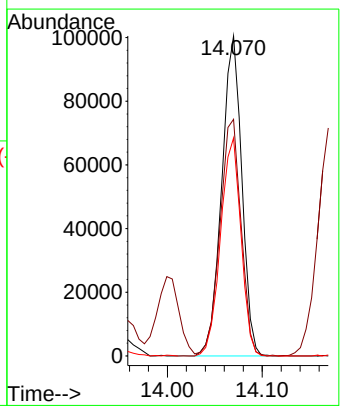


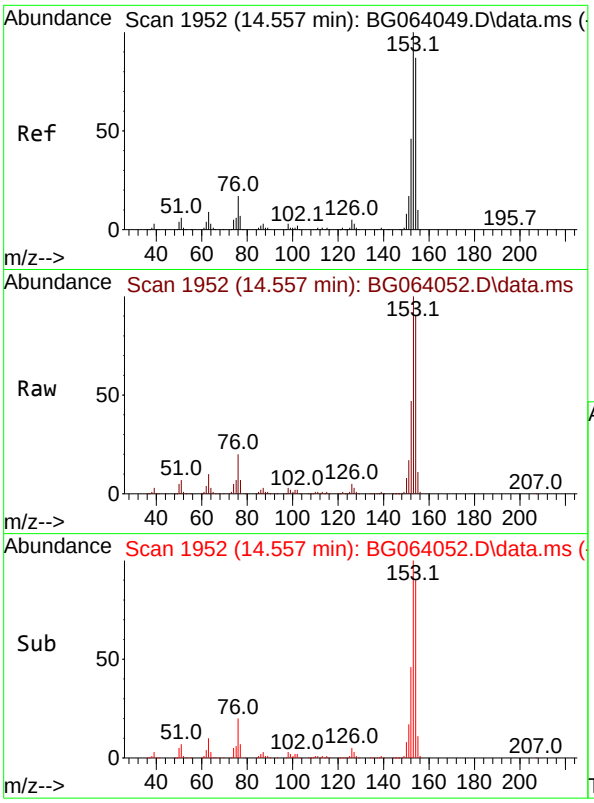


#51
2,6-Dinitrotoluene
Concen: 79.965 ng
RT: 14.070 min Scan# 1869
Delta R.T. 0.007 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:165 Resp: 147719

Ion	Ratio	Lower	Upper
165	100		
63	74.0	56.7	85.1
89	68.1	53.7	80.5

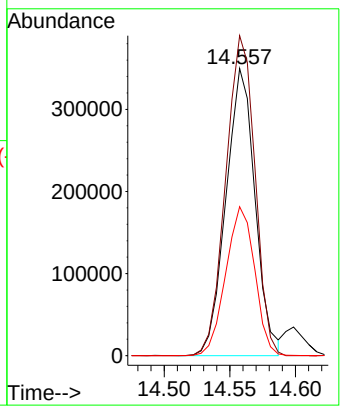




#52
Acenaphthene
Concen: 76.999 ng
RT: 14.557 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:154 Resp: 54044

Ion	Ratio	Lower	Upper
154	100		
153	111.4	91.6	137.4
152	51.9	42.5	63.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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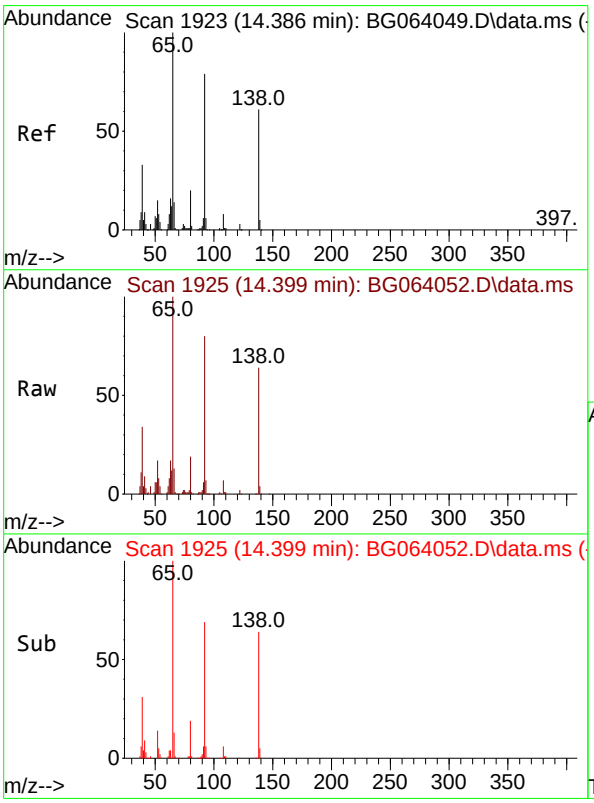
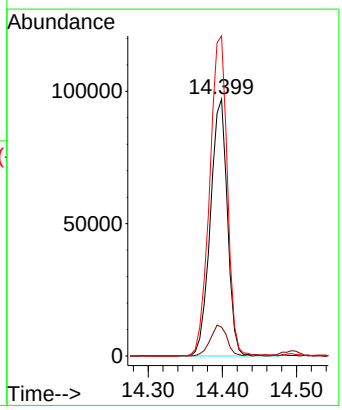
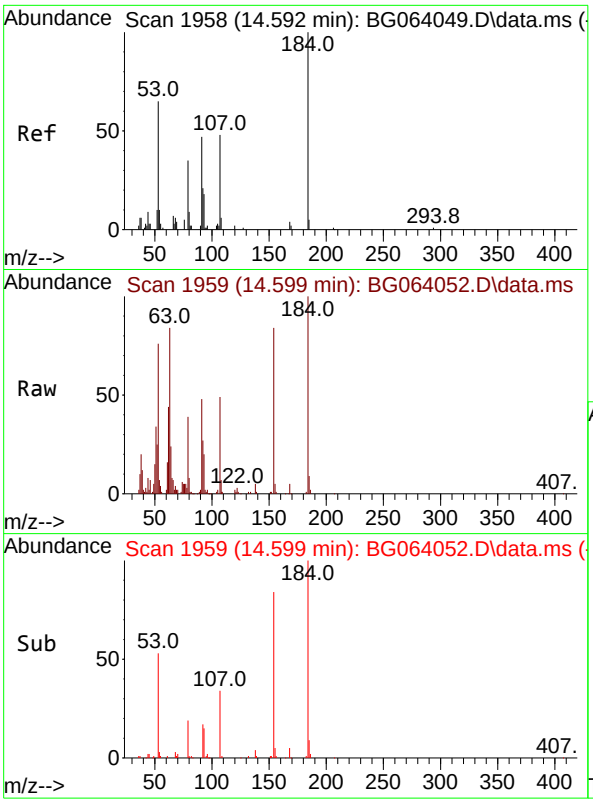


#53
3-Nitroaniline
Concen: 90.561 ng
RT: 14.399 min Scan# 1925
Delta R.T. 0.012 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:138 Resp: 154723

Ion	Ratio	Lower	Upper
138	100		
108	11.2	10.1	15.1
92	124.6	104.1	156.1

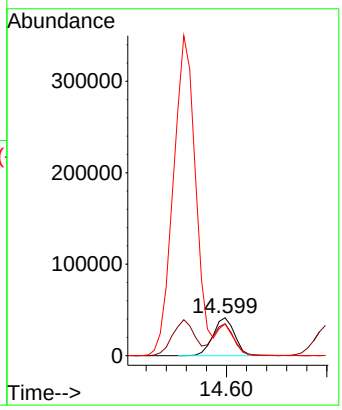




#54
2,4-Dinitrophenol
Concen: 82.400 ng
RT: 14.599 min Scan# 1
Delta R.T. 0.007 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:184 Resp: 6180

Ion	Ratio	Lower	Upper
184	100		
63	84.0	57.5	86.3
154	83.9	52.3	78.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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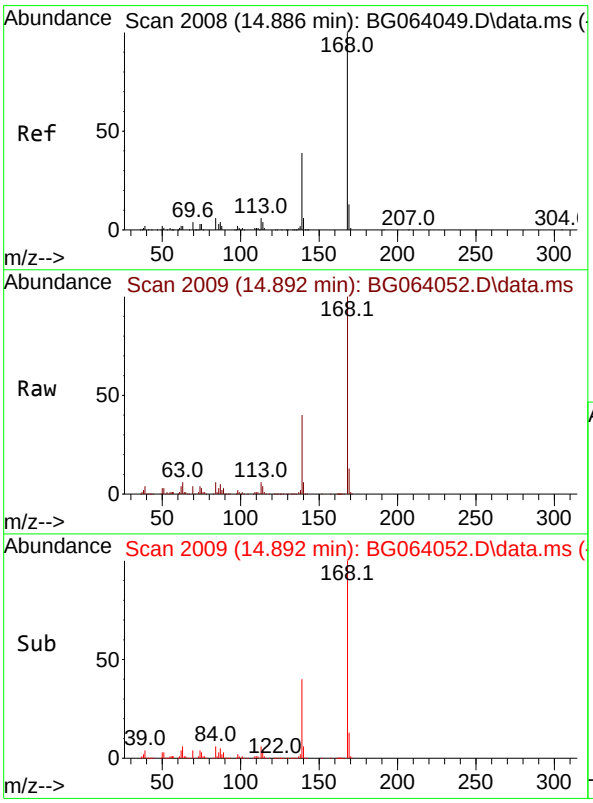
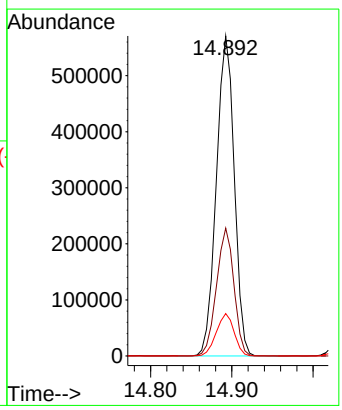
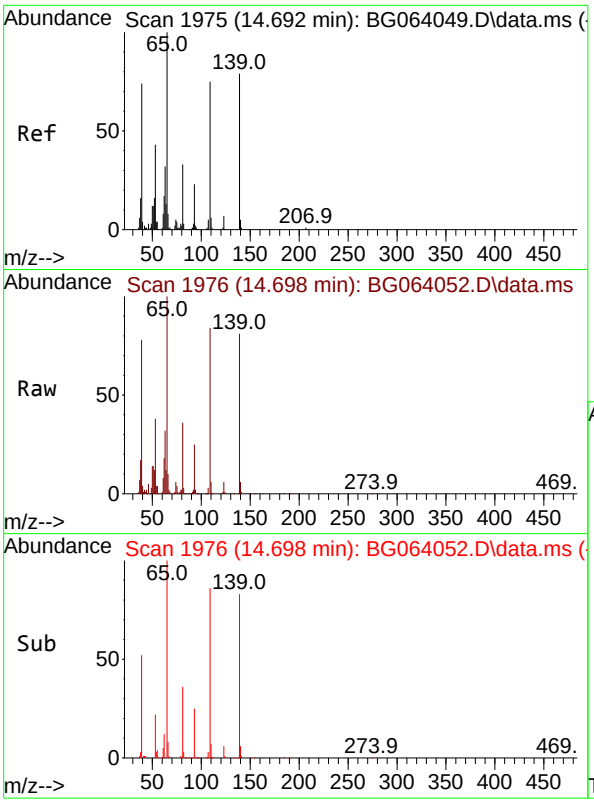


#55
Dibenzofuran
Concen: 77.066 ng
RT: 14.892 min Scan# 2009
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:168 Resp: 874479

Ion	Ratio	Lower	Upper
168	100		
139	40.0	31.1	46.7
169	13.2	10.5	15.7

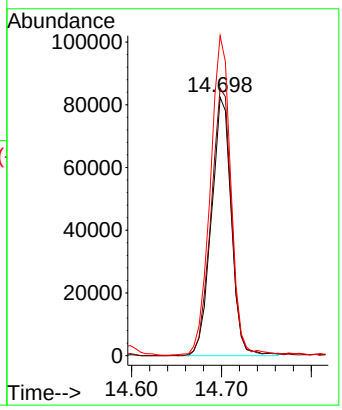




#56
4-Nitrophenol
Concen: 88.621 ng
RT: 14.698 min Scan# 1
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:139 Resp: 12698

Ion	Ratio	Lower	Upper
139	100		
109	103.5	74.9	114.9
65	123.8	106.8	146.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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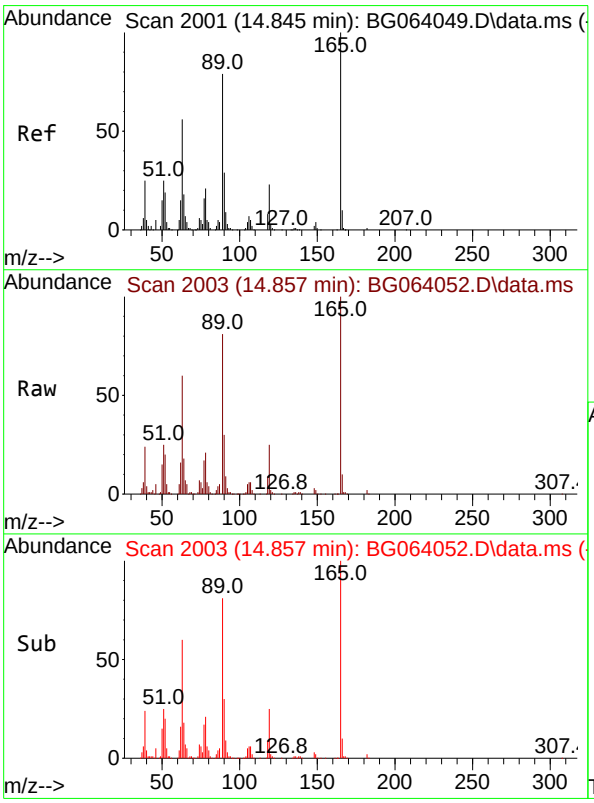
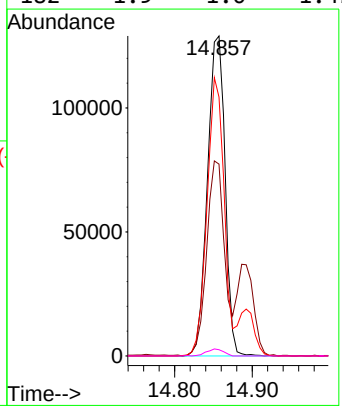
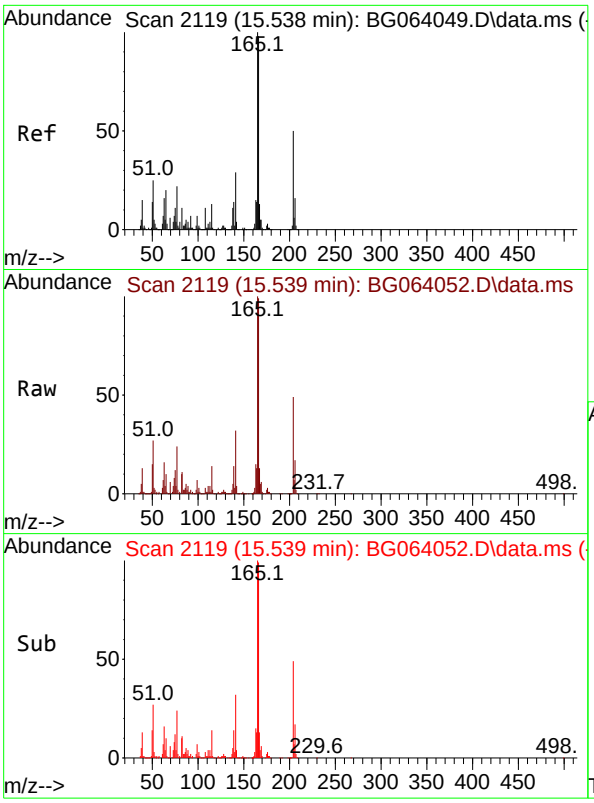


#57
2,4-Dinitrotoluene
Concen: 79.564 ng
RT: 14.857 min Scan# 2003
Delta R.T. 0.012 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:165 Resp: 203301

Ion	Ratio	Lower	Upper
165	100		
63	60.0	45.0	67.6
89	80.9	63.1	94.7
182	1.9	1.0	1.4#

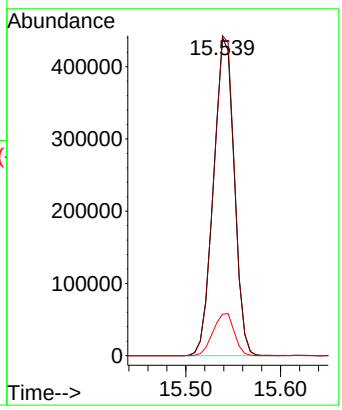




#58
Fluorene
Concen: 75.593 ng
RT: 15.539 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:166 Resp: 66807

Ion	Ratio	Lower	Upper
166	100		
165	100.6	81.8	122.8
167	13.0	10.8	16.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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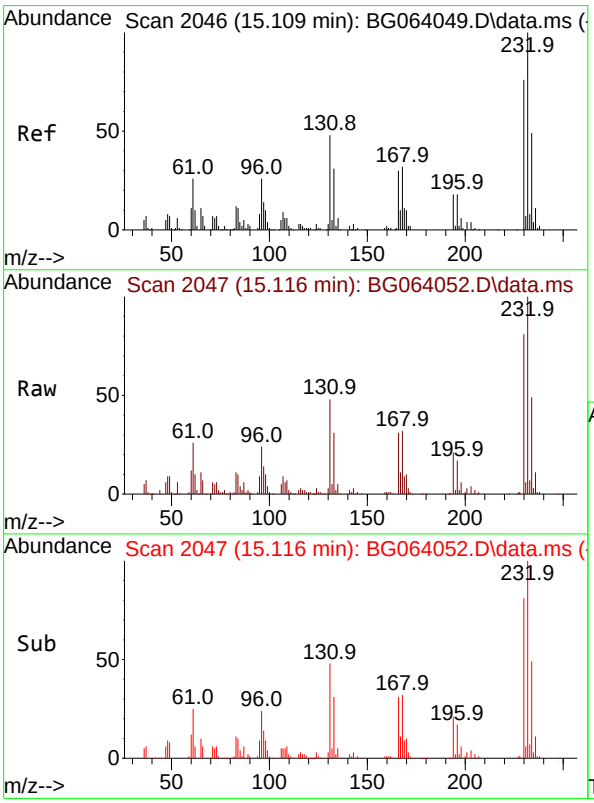
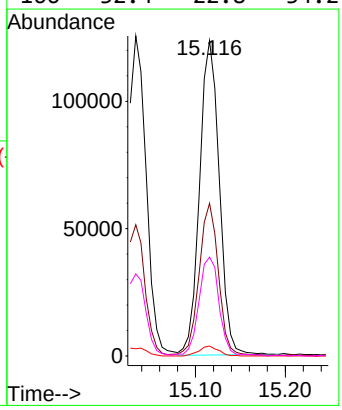
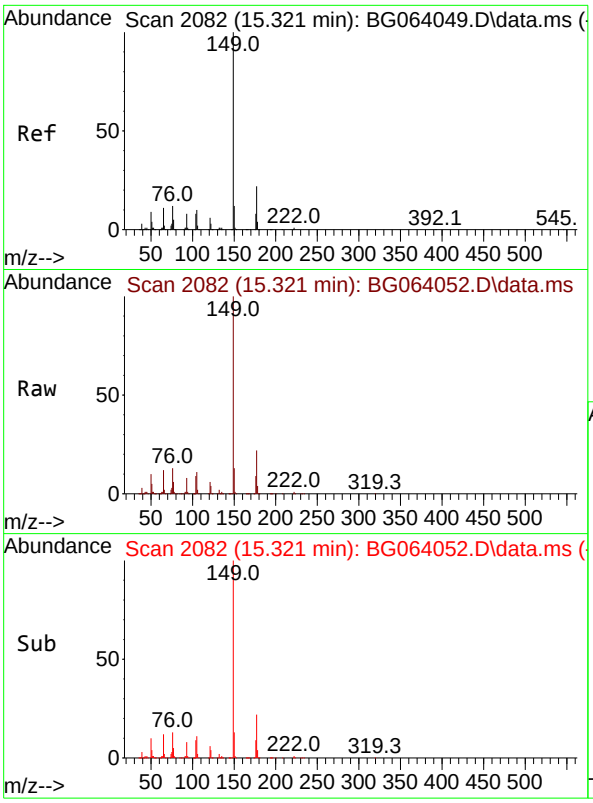


#59
2,3,4,6-Tetrachlorophenol
Concen: 86.273 ng
RT: 15.116 min Scan# 2047
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:232 Resp: 188307

Ion	Ratio	Lower	Upper
232	100		
131	47.8	36.3	54.5
130	3.1	1.9	2.9#
166	32.4	22.8	34.2

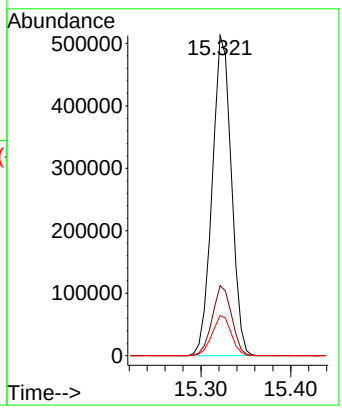




#60
Diethylphthalate
Concen: 79.055 ng
RT: 15.321 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:149 Resp: 75865

Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.4	26.2
150	12.6	9.4	14.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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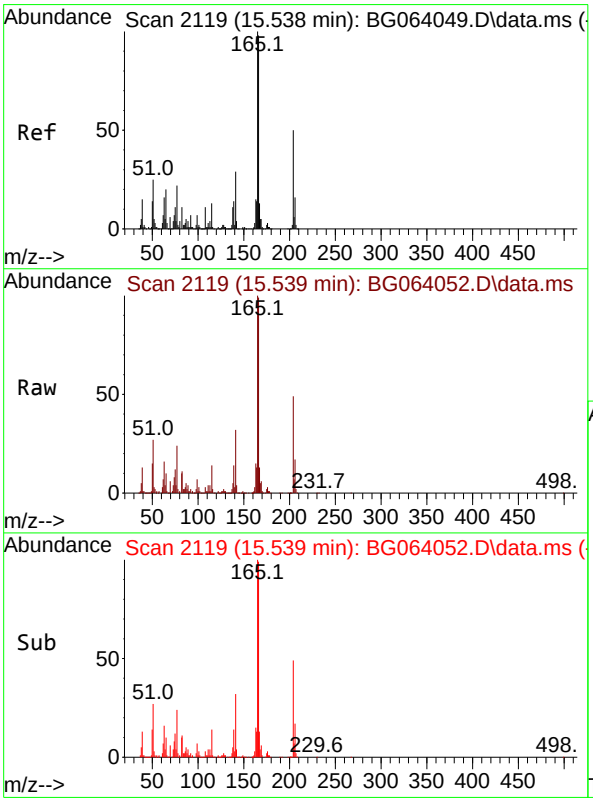
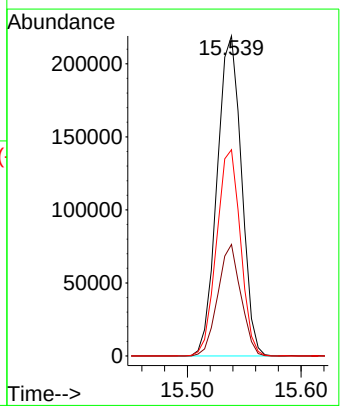
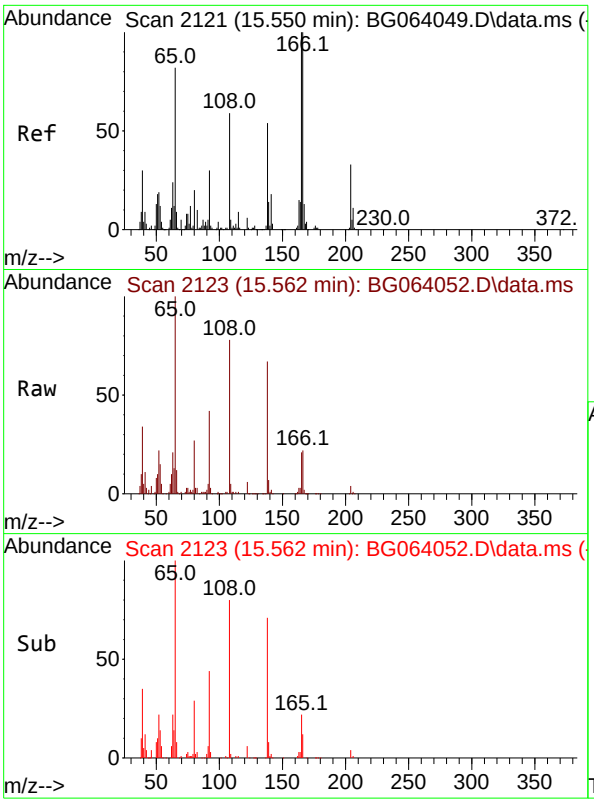


#61
4-Chlorophenyl-phenylether
Concen: 74.261 ng
RT: 15.539 min Scan# 2119
Delta R.T. 0.001 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:204 Resp: 326141

Ion	Ratio	Lower	Upper
204	100		
206	34.8	25.5	38.3
141	64.4	45.4	68.0

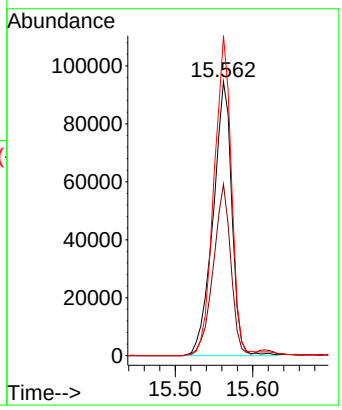




#62
4-Nitroaniline
Concen: 86.459 ng
RT: 15.562 min Scan# 2
Delta R.T. 0.012 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:138 Resp: 15947

Ion	Ratio	Lower	Upper
138	100		
92	62.6	36.1	76.1
108	116.8	87.9	127.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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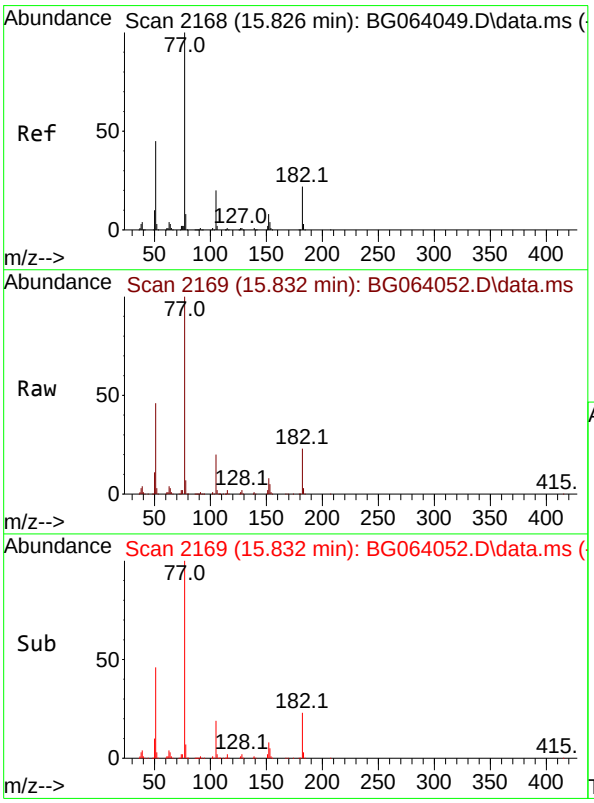
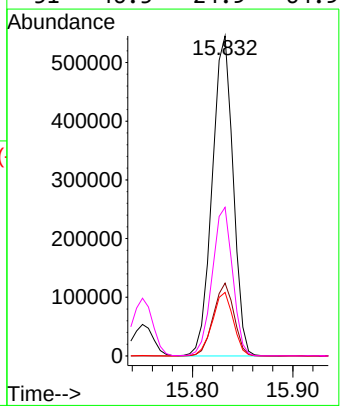
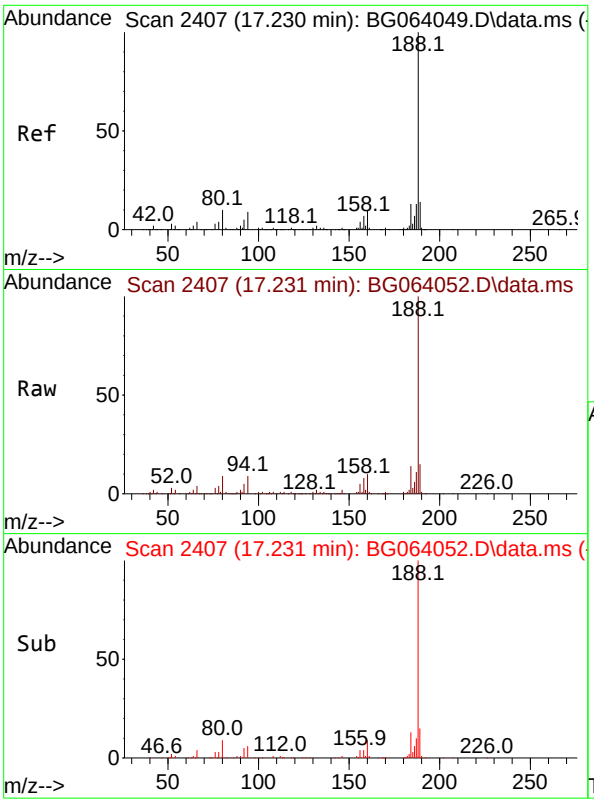


#63
Azobenzene
Concen: 76.893 ng
RT: 15.832 min Scan# 2169
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion: 77 Resp: 787412

Ion	Ratio	Lower	Upper
77	100		
182	22.8	2.4	42.4
105	19.9	0.0	40.0
51	46.5	24.9	64.9





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.231 min Scan# 24
Delta R.T. 0.001 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:188 Resp: 26135

Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.9	10.3
80	9.3	8.1	12.1

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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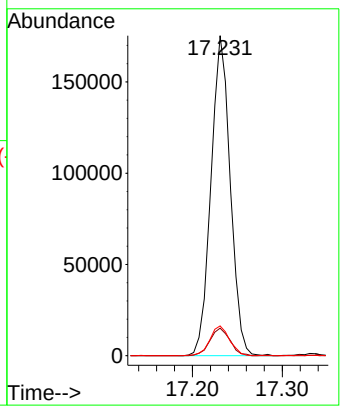
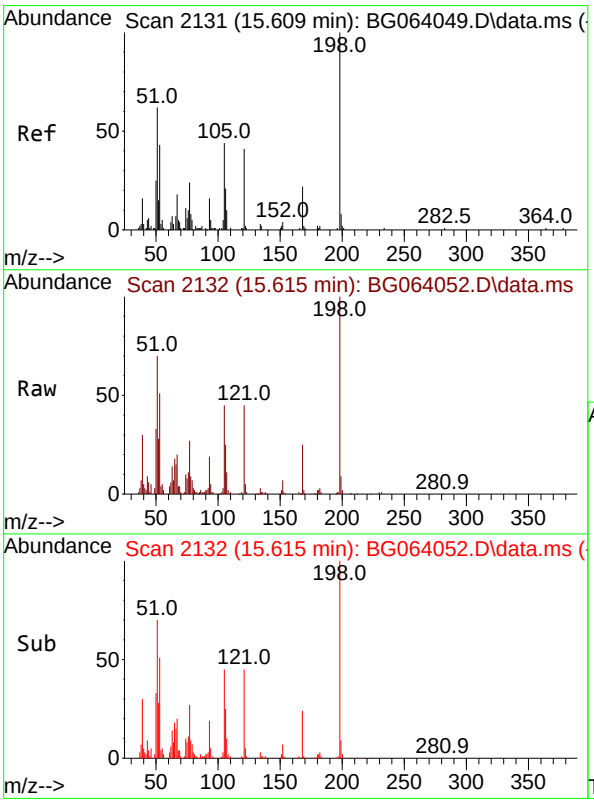
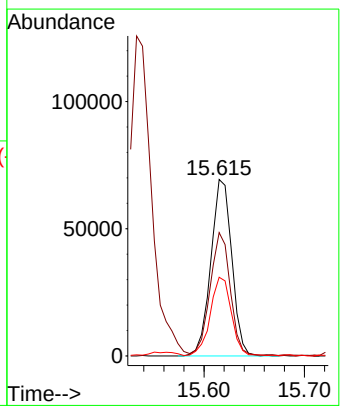


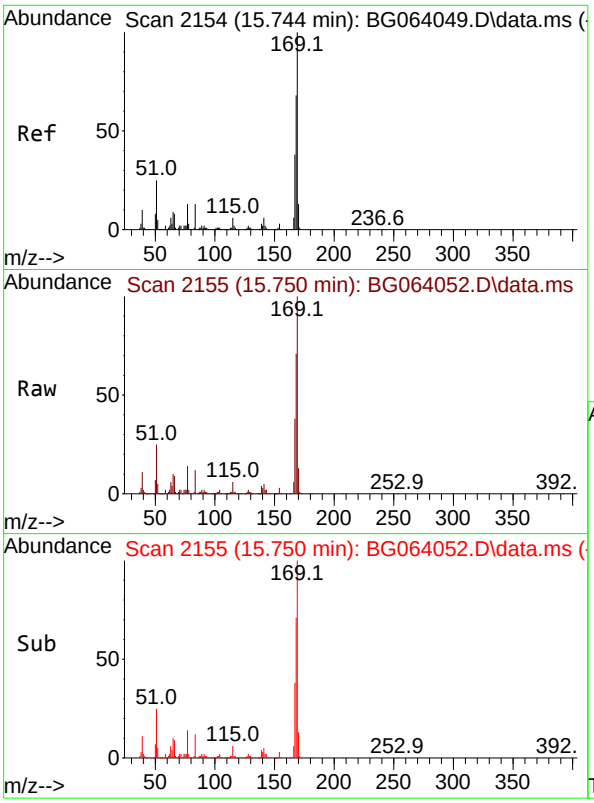


#65
4,6-Dinitro-2-methylphenol
Concen: 81.905 ng
RT: 15.615 min Scan# 2132
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:198 Resp: 100338

Ion	Ratio	Lower	Upper
198	100		
51	69.9	45.6	85.6
105	44.6	25.3	65.3

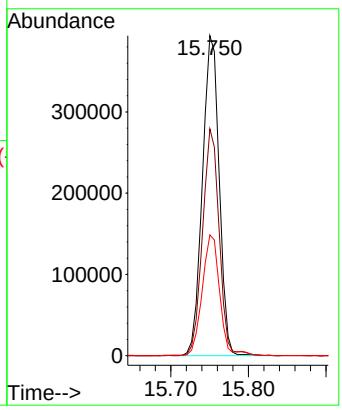




#66
n-Nitrosodiphenylamine
Concen: 79.884 ng
RT: 15.750 min Scan# 2
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:169 Resp: 59097

Ion	Ratio	Lower	Upper
169	100		
168	70.9	54.1	81.1
167	37.7	30.3	45.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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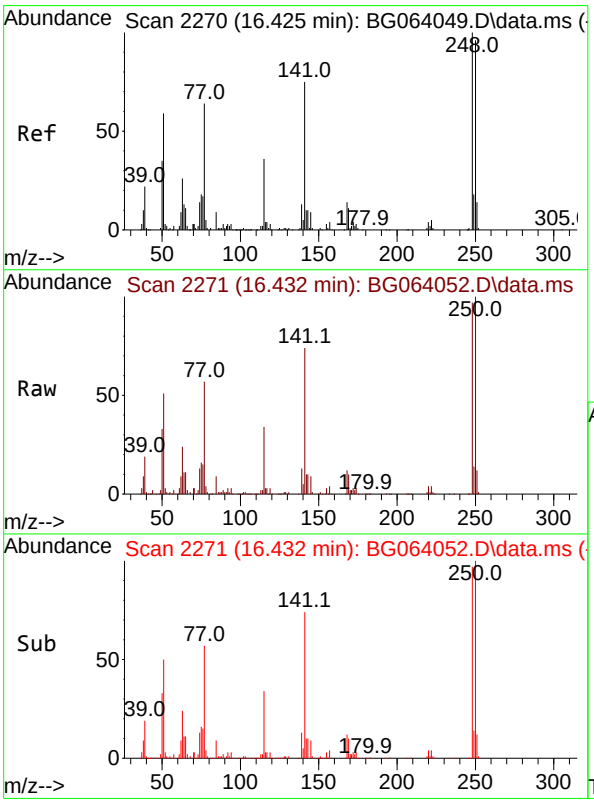
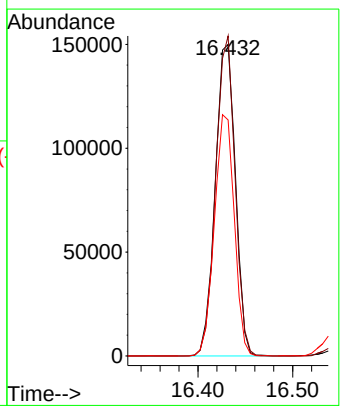
Supervised By :mohammad ahmed 03/07/2025

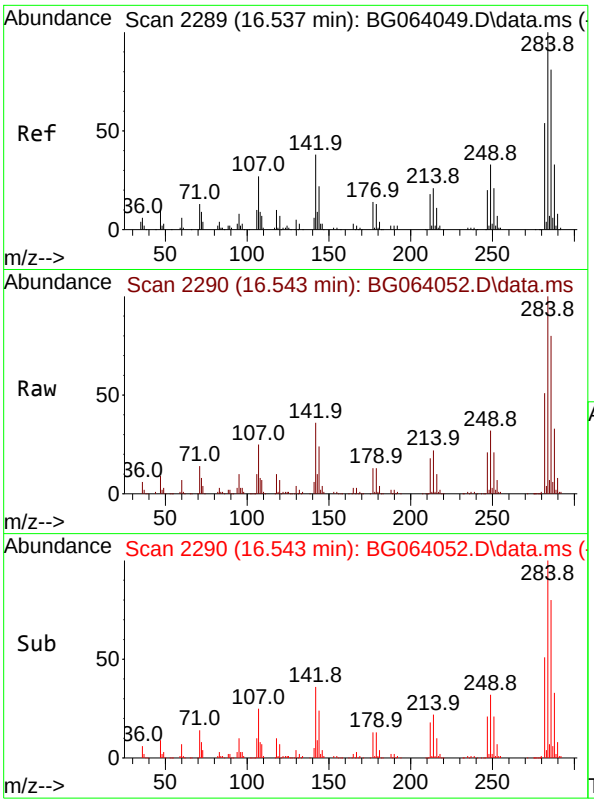


#67
4-Bromophenyl-phenylether
Concen: 83.033 ng
RT: 16.432 min Scan# 2271
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:248 Resp: 222258

Ion	Ratio	Lower	Upper
248	100		
250	102.7	77.1	115.7
141	75.8	59.8	89.8

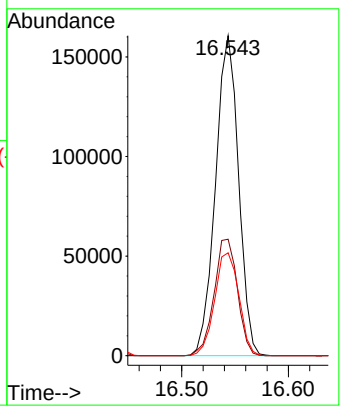




#68
Hexachlorobenzene
Concen: 80.390 ng
RT: 16.543 min Scan# 2
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:284 Resp: 24090

Ion	Ratio	Lower	Upper
284	100		
142	36.4	30.6	45.8
249	32.1	26.6	39.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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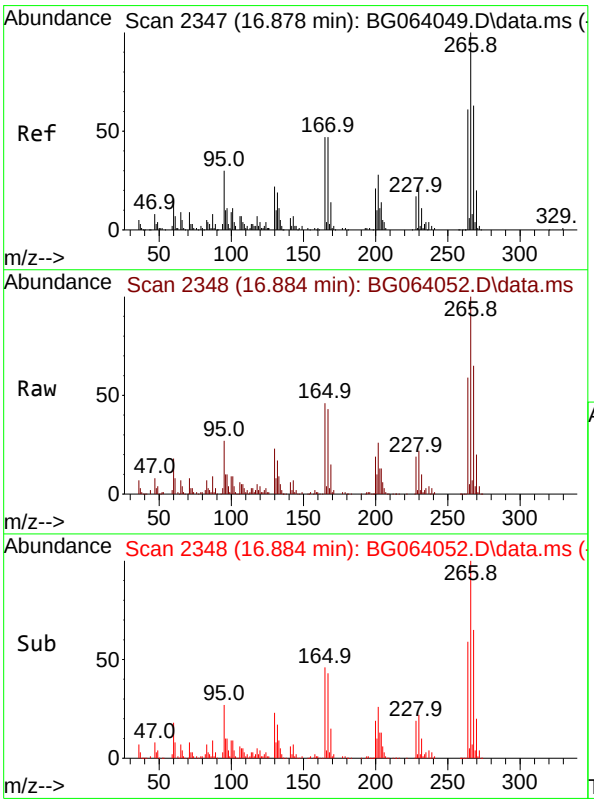
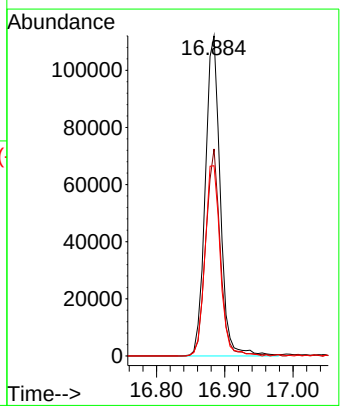
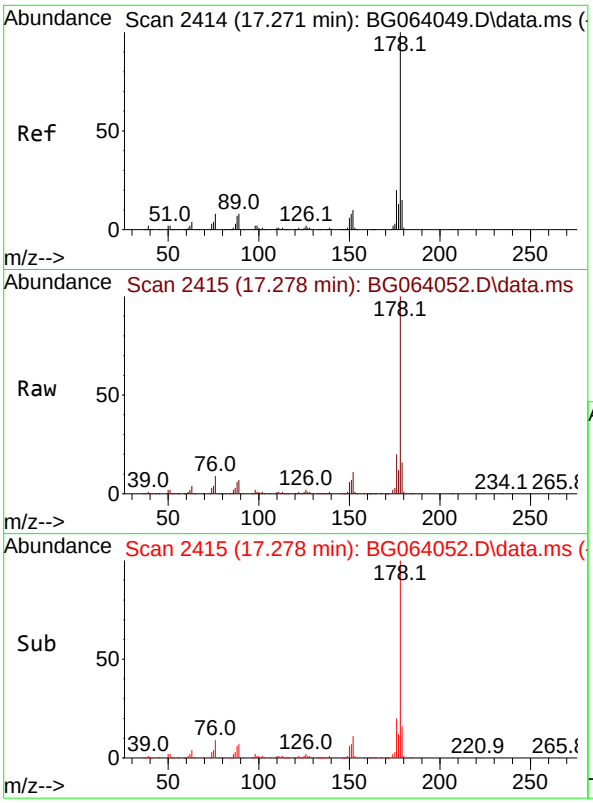


#70
Pentachlorophenol
Concen: 91.819 ng
RT: 16.884 min Scan# 2348
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:266 Resp: 170842

Ion	Ratio	Lower	Upper
266	100		
268	64.7	50.2	75.4
264	59.4	48.9	73.3

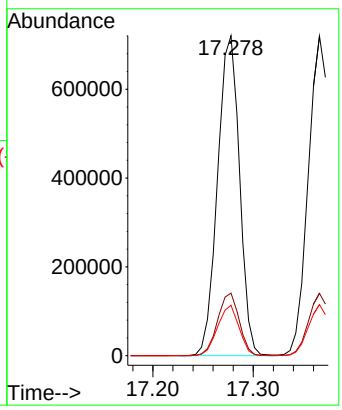




#71
Phenanthrene
Concen: 78.492 ng
RT: 17.278 min Scan# 24
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:178 Resp: 109418

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.9	23.9
179	15.8	12.2	18.2



Instrument :
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ClientSampleId :
SSTDICC080

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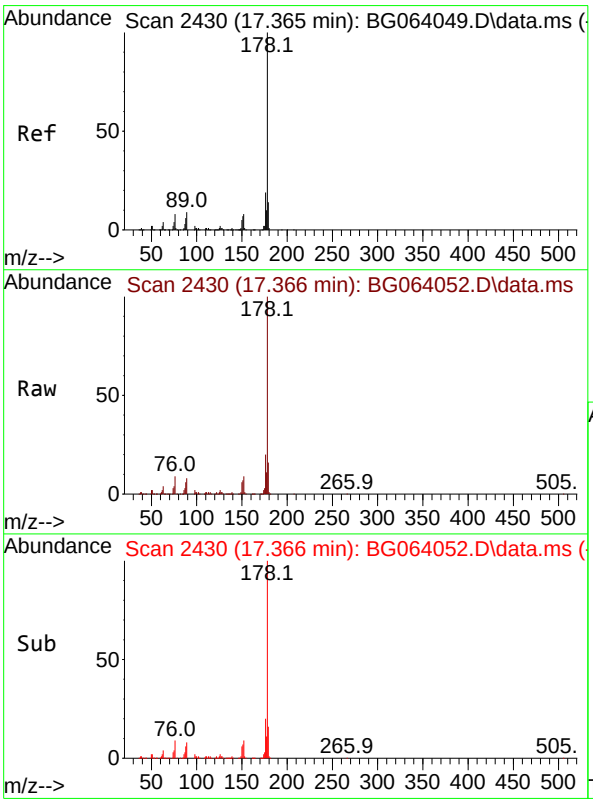
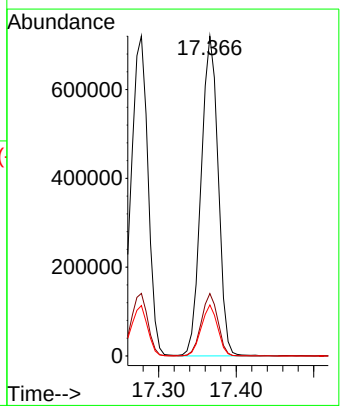
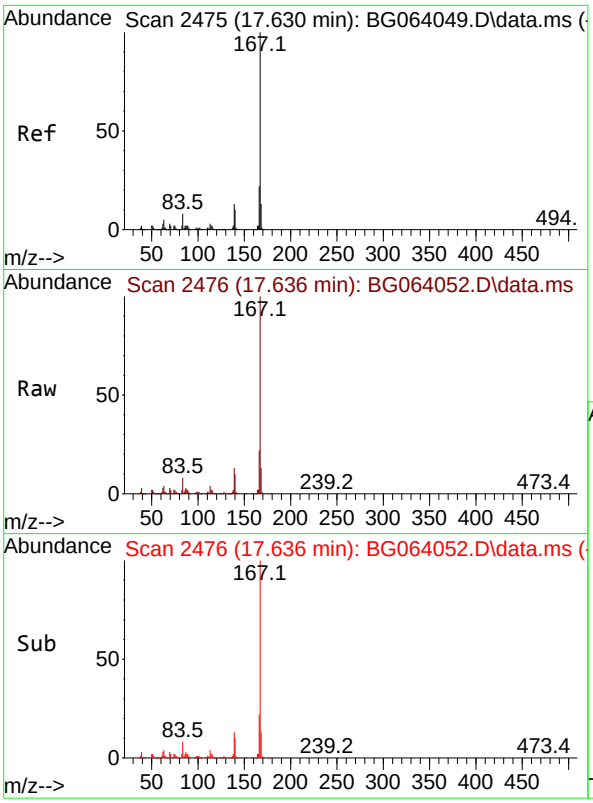


#72
Anthracene
Concen: 79.297 ng
RT: 17.366 min Scan# 2430
Delta R.T. 0.001 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:178 Resp: 1099164

Ion	Ratio	Lower	Upper
178	100		
176	19.5	14.8	22.2
179	16.0	11.5	17.3

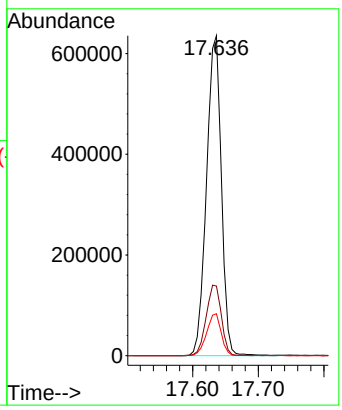




#73
Carbazole
Concen: 77.234 ng
RT: 17.636 min Scan# 24
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:167 Resp: 99954

Ion	Ratio	Lower	Upper
167	100		
166	21.8	18.0	27.0
139	13.1	10.6	15.8



Instrument :
BNA_G
ClientSampleId :
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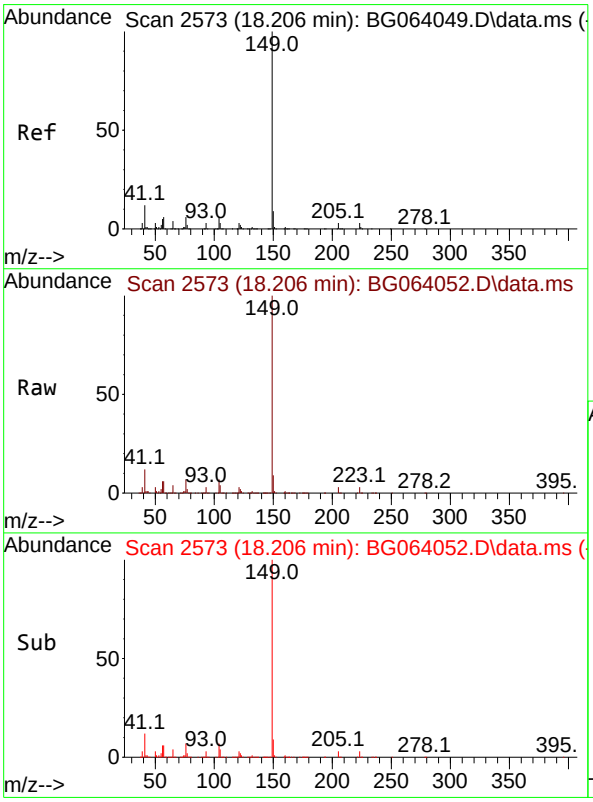
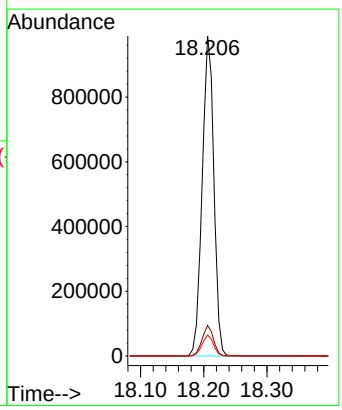
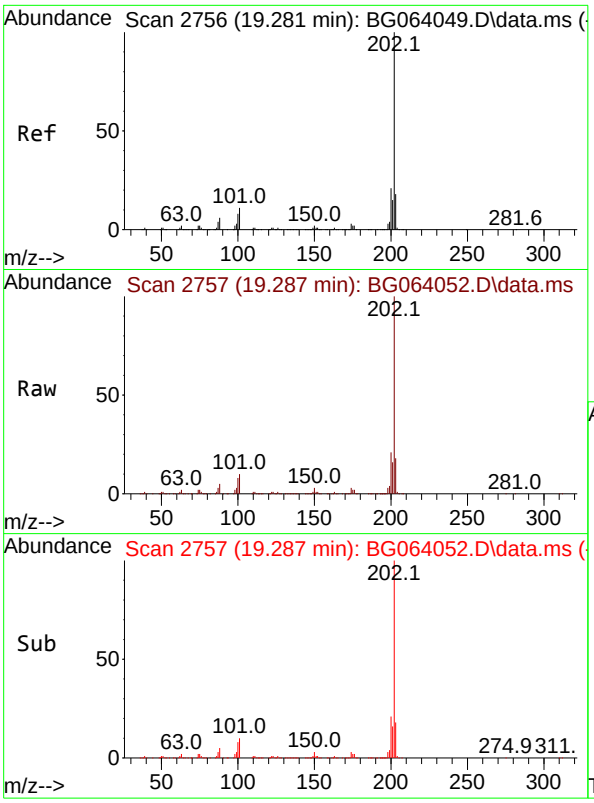


#74
Di-n-butylphthalate
Concen: 82.920 ng
RT: 18.206 min Scan# 2573
Delta R.T. 0.001 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:149 Resp: 1263186

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.4	11.0
104	6.5	5.0	7.6

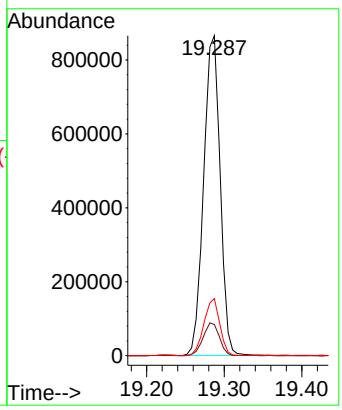




#75
Fluoranthene
Concen: 75.929 ng
RT: 19.287 min Scan# 2
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:202 Resp: 127604

Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	30.5
203	17.9	0.0	38.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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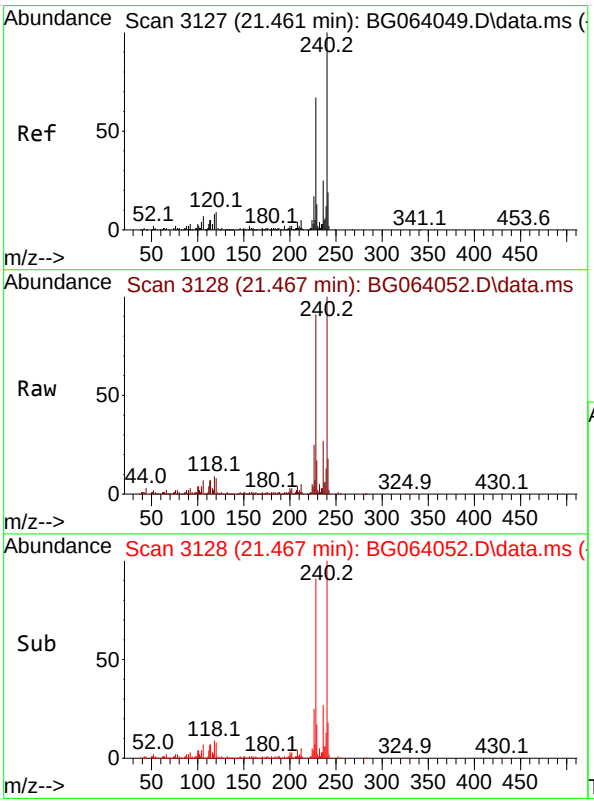
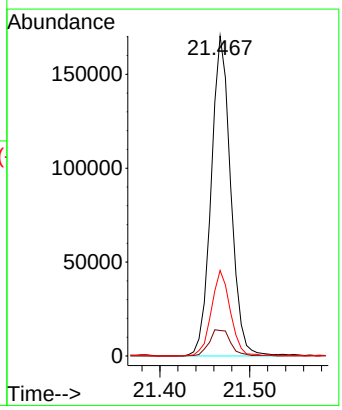
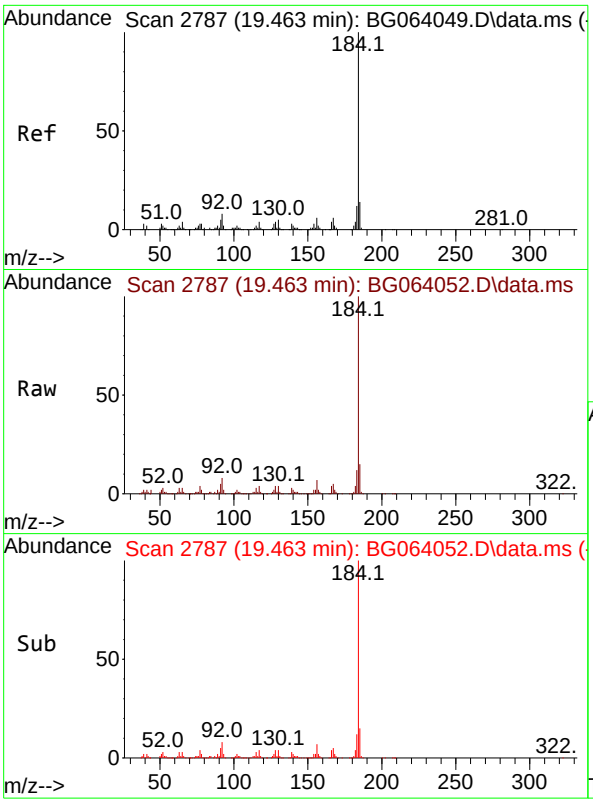


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.467 min Scan# 3128
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:240 Resp: 257789

Ion	Ratio	Lower	Upper
240	100		
120	8.0	7.2	10.8
236	26.7	20.2	30.2

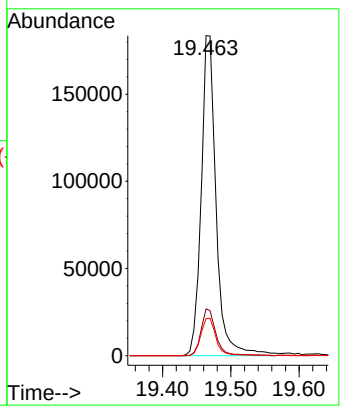




#77
Benzidine
Concen: 77.211 ng
RT: 19.463 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:184 Resp: 27941

Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.3	16.9
183	11.6	9.5	14.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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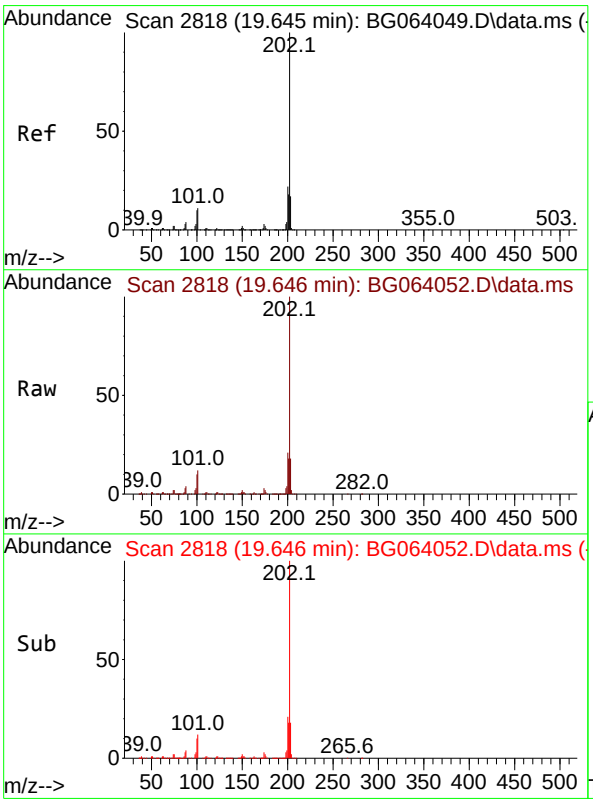
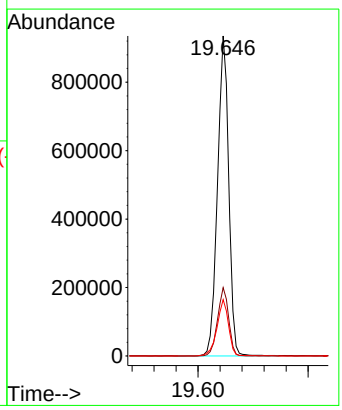
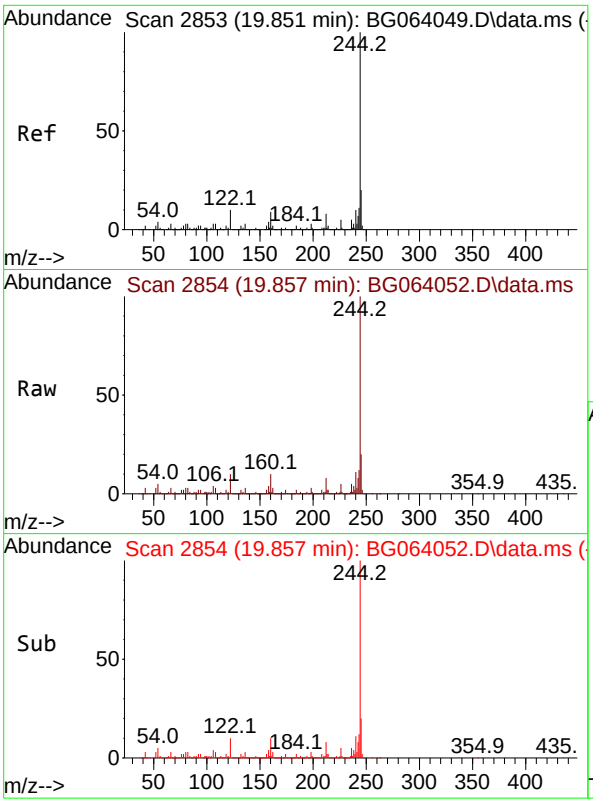


#78
Pyrene
Concen: 79.539 ng
RT: 19.646 min Scan# 2818
Delta R.T. 0.001 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:202 Resp: 1321748

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.3	25.9
203	17.6	13.6	20.4

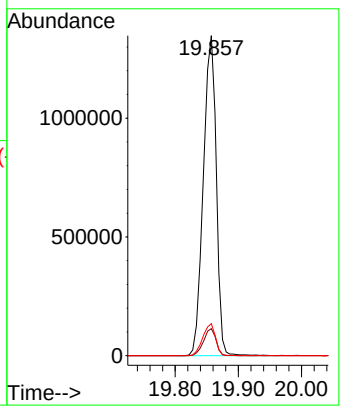




#79
Terphenyl-d14
Concen: 150.030 ng
RT: 19.857 min Scan# 2
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:244 Resp: 191276

Ion	Ratio	Lower	Upper
244	100		
212	8.5	6.2	9.4
122	10.0	8.0	12.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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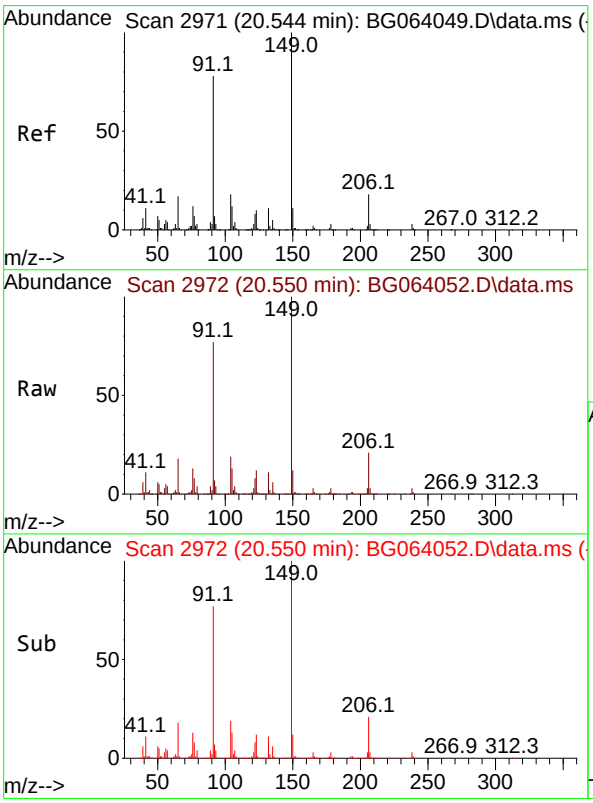
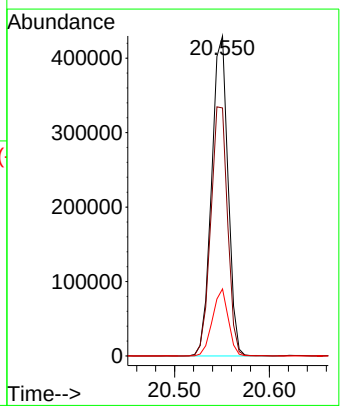
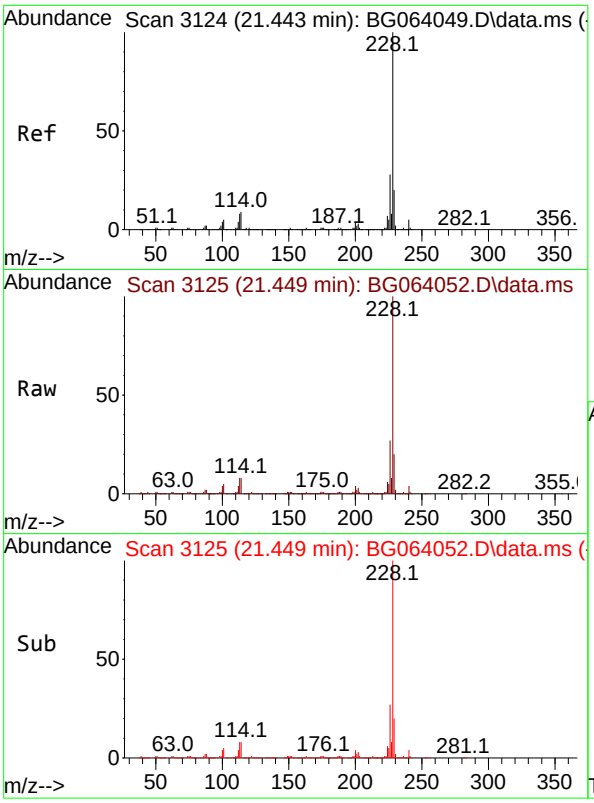


#80
Butylbenzylphthalate
Concen: 80.379 ng
RT: 20.550 min Scan# 2972
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:149 Resp: 517770

Ion	Ratio	Lower	Upper
149	100		
91	77.5	62.0	93.0
206	21.0	14.6	21.8

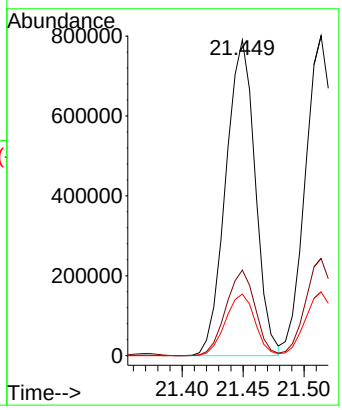




#81
Benzo(a)anthracene
Concen: 80.289 ng
RT: 21.449 min Scan# 3
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:228 Resp: 132582

Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.2	33.2
229	19.5	16.4	24.6



Instrument :
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ClientSampleId :
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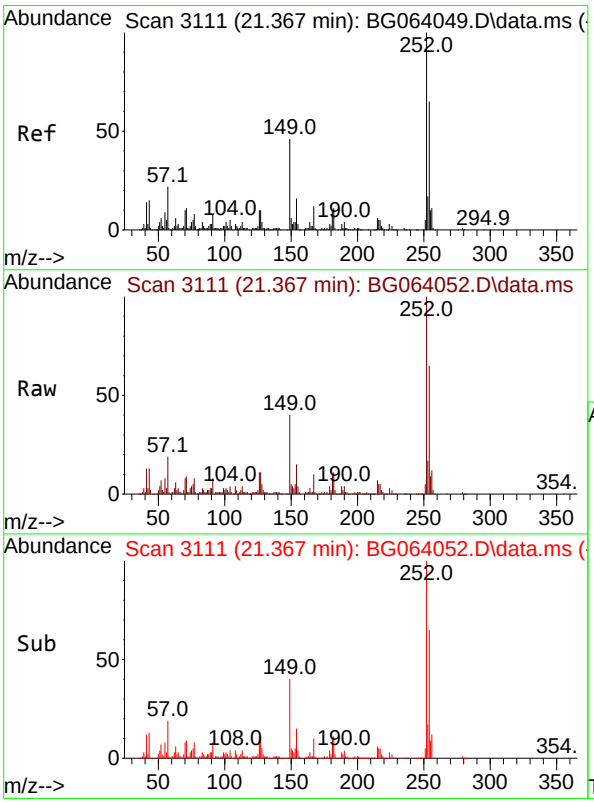
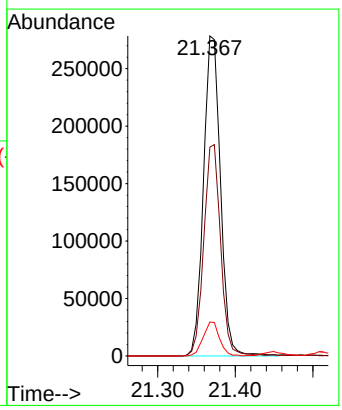
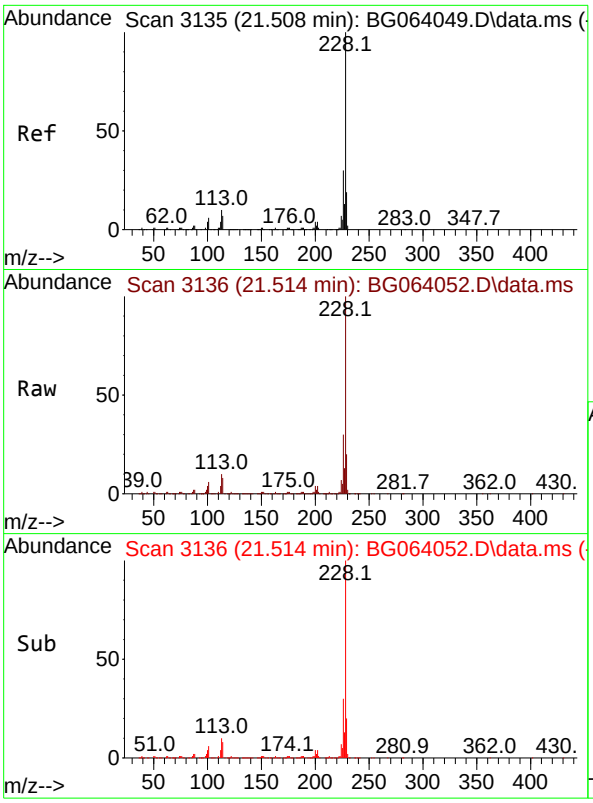


#82
3,3'-Dichlorobenzidine
Concen: 79.269 ng
RT: 21.367 min Scan# 3111
Delta R.T. 0.001 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:252 Resp: 423636

Ion	Ratio	Lower	Upper
252	100		
254	65.3	52.1	78.1
126	10.6	7.8	11.8

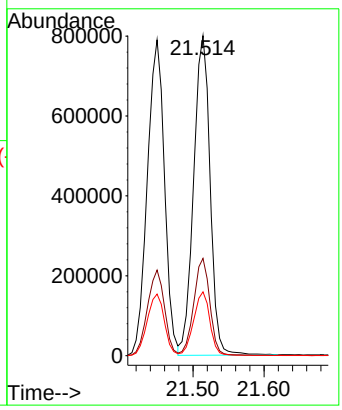




#83
Chrysene
Concen: 78.391 ng
RT: 21.514 min Scan# 3
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:228 Resp: 129108

Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.9	35.9
229	19.9	15.3	22.9



Instrument :
BNA_G
ClientSampleId :
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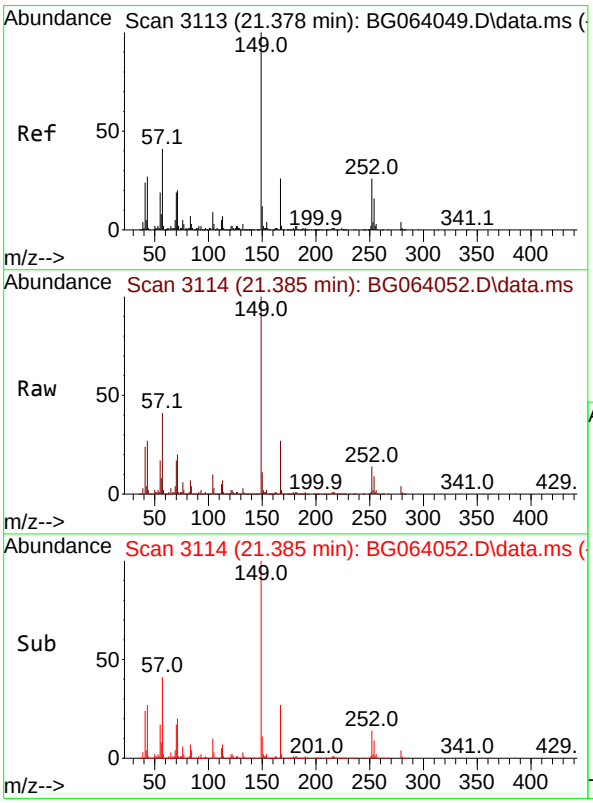
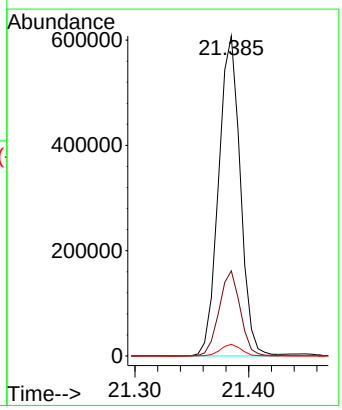
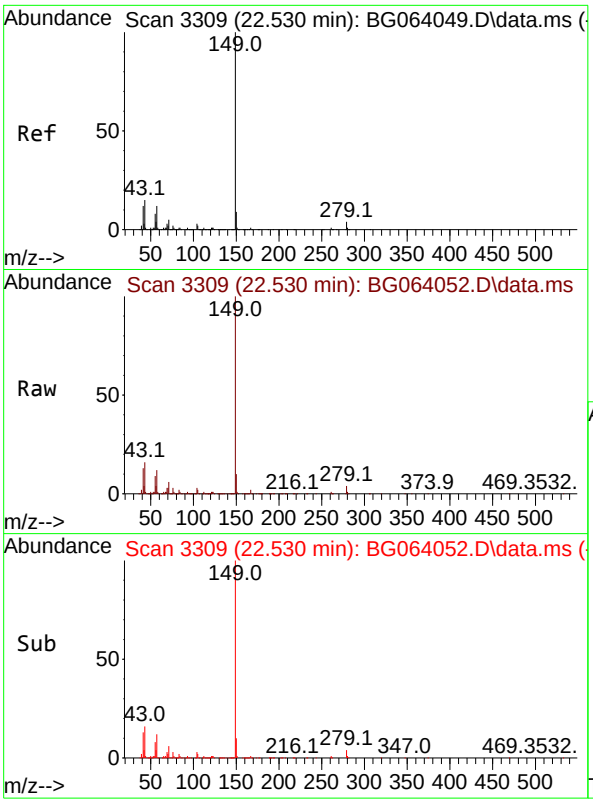


#84
Bis(2-ethylhexyl)phthalate
Concen: 90.273 ng
RT: 21.385 min Scan# 3114
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:149 Resp: 806194

Ion	Ratio	Lower	Upper
149	100		
167	26.6	21.0	31.6
279	3.6	2.8	4.2

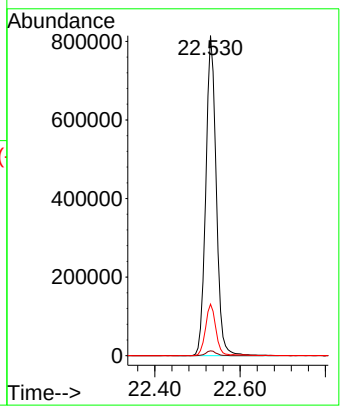




#85
Di-n-octyl phthalate
Concen: 89.556 ng
RT: 22.530 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:149 Resp: 137951

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	16.1	12.6	19.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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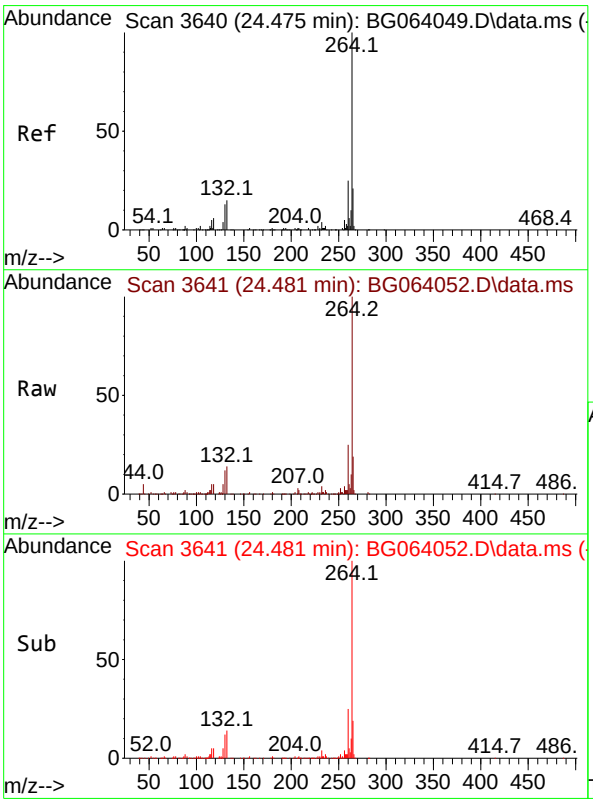
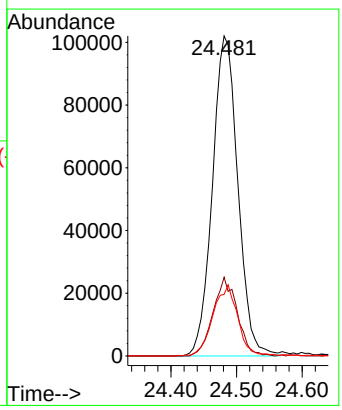
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

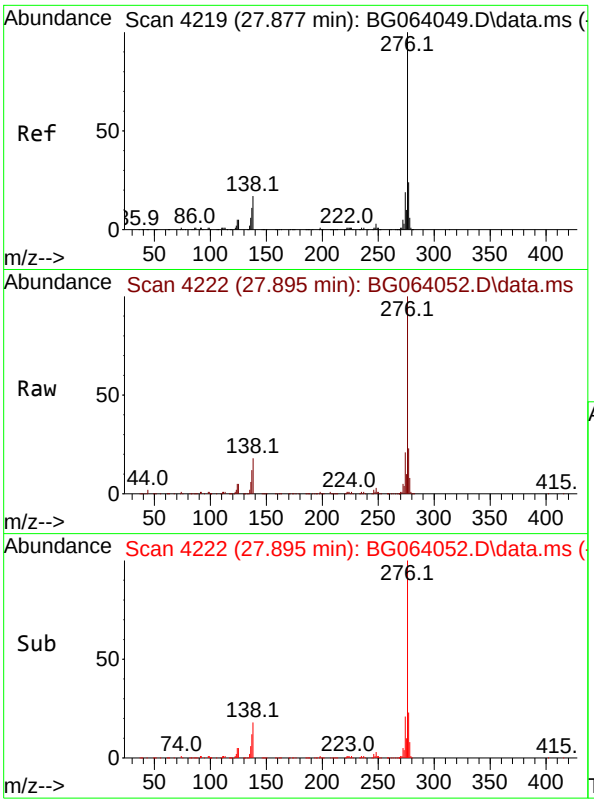


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.481 min Scan# 3641
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:264 Resp: 274554

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.6	29.4
265	19.2	16.6	25.0

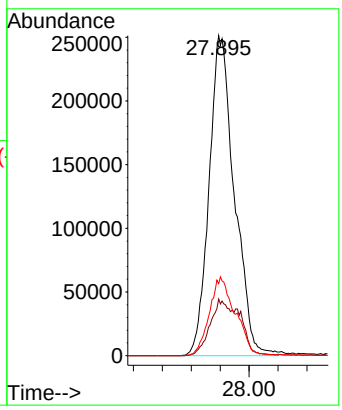




#87
Indeno(1,2,3-cd)pyrene
Concen: 83.318 ng
RT: 27.895 min Scan# 4
Delta R.T. 0.018 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:276 Resp: 153054

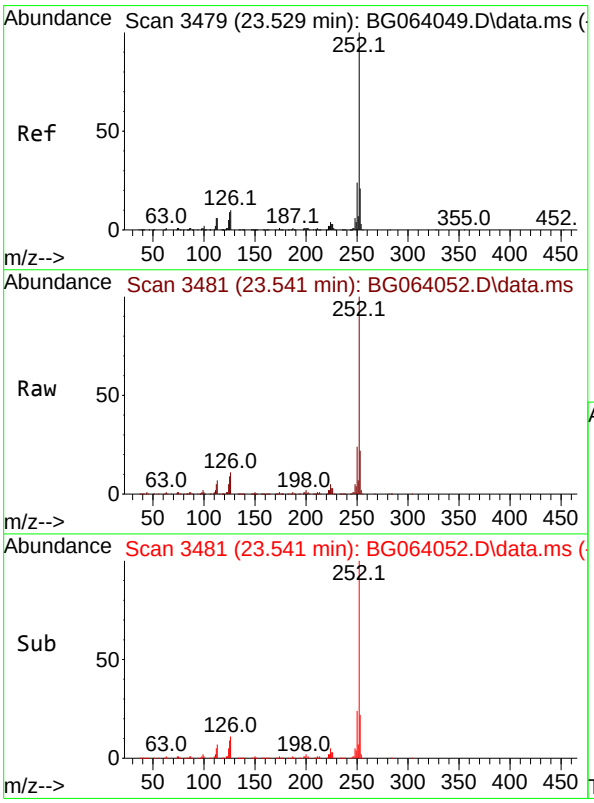
Ion	Ratio	Lower	Upper
276	100		
138	14.6	12.1	18.1
277	25.2	20.0	30.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

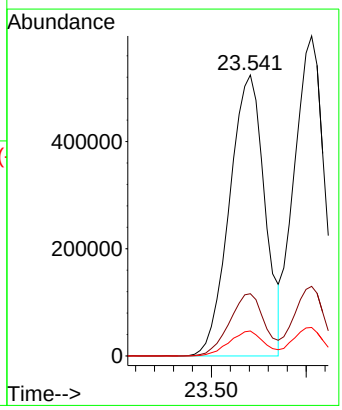
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

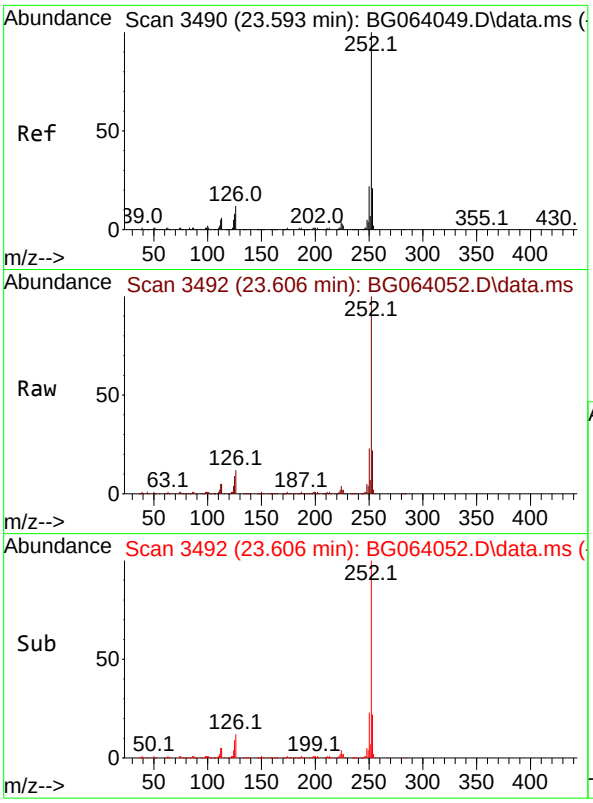


#88
Benzo(b)fluoranthene
Concen: 81.758 ng
RT: 23.541 min Scan# 3481
Delta R.T. 0.012 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:252 Resp: 1356996

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.0	25.4
125	8.9	7.4	11.2

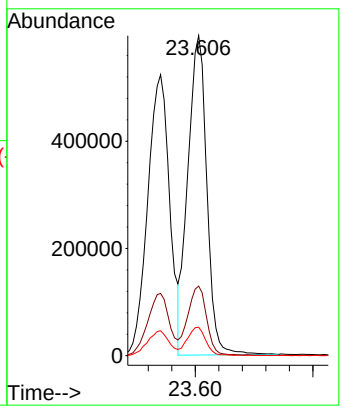




#89
Benzo(k)fluoranthene
Concen: 80.120 ng
RT: 23.606 min Scan# 34
Delta R.T. 0.012 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:252 Resp: 133408

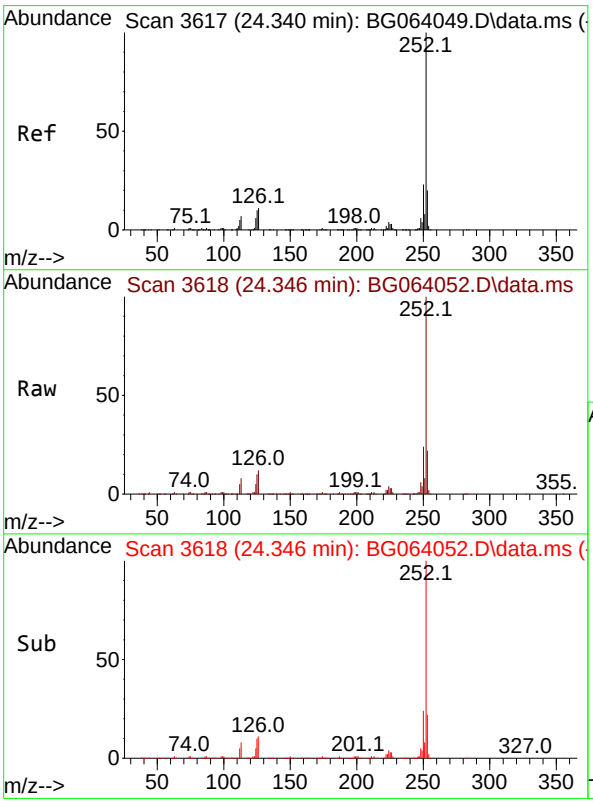
Ion	Ratio	Lower	Upper
252	100		
253	21.8	16.8	25.2
125	8.9	6.9	10.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

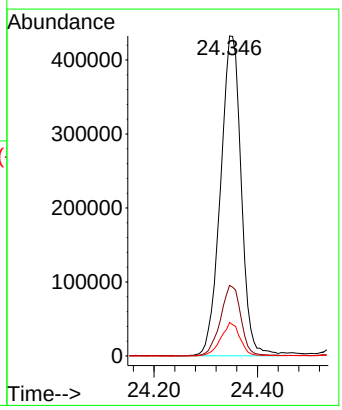
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

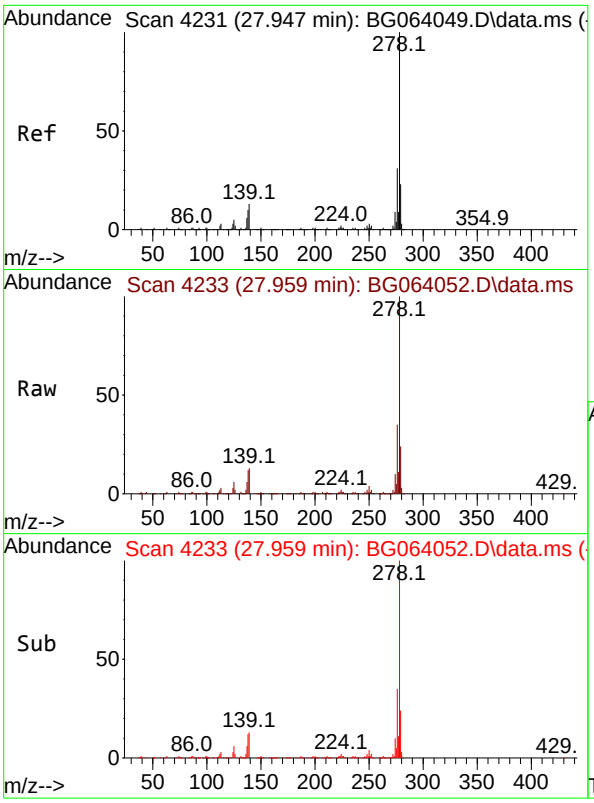


#90
Benzo(a)pyrene
Concen: 81.191 ng
RT: 24.346 min Scan# 3618
Delta R.T. 0.006 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:252 Resp: 1200152

Ion	Ratio	Lower	Upper
252	100		
253	22.1	16.2	24.2
125	10.5	7.8	11.6

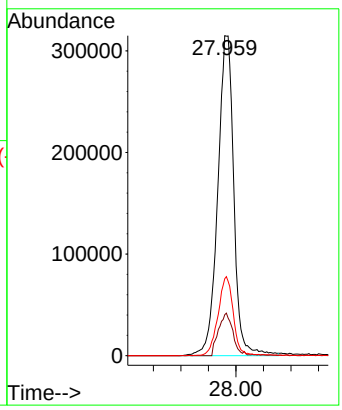




#91
Dibenzo(a,h)anthracene
Concen: 83.647 ng
RT: 27.959 min Scan# 4
Delta R.T. 0.012 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:278 Resp: 127388

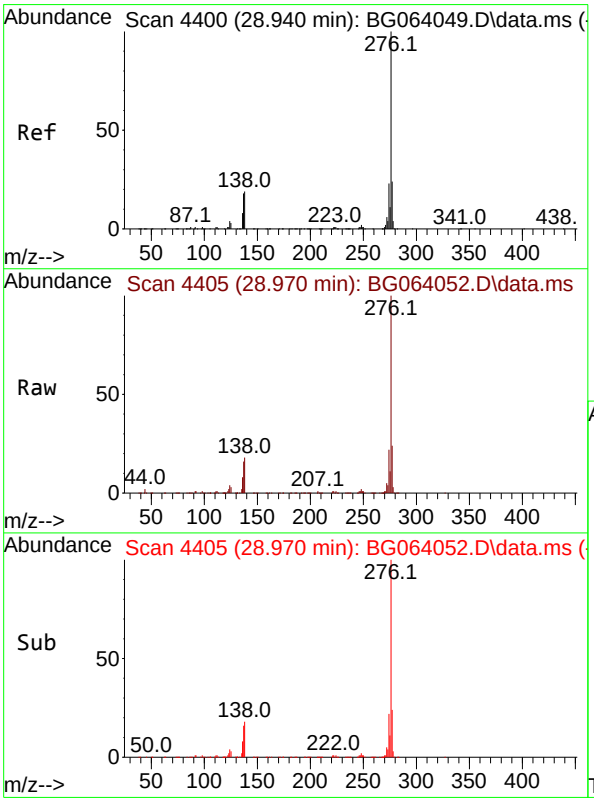
Ion	Ratio	Lower	Upper
278	100		
139	12.8	10.2	15.2
279	24.1	18.1	27.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

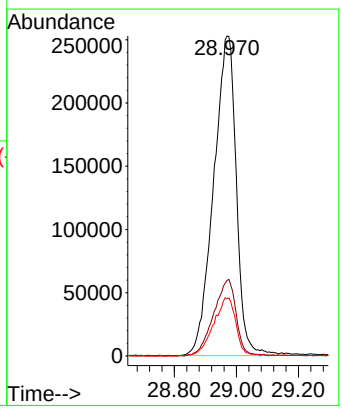
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025



#92
Benzo(g,h,i)perylene
Concen: 82.048 ng
RT: 28.970 min Scan# 4405
Delta R.T. 0.030 min
Lab File: BG064052.D
Acq: 5 Mar 2025 13:44

Tgt Ion:276 Resp: 1282909

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.5	29.3
138	17.9	15.4	23.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064053.D
Acq On : 5 Mar 2025 15:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

Quant Time: Mar 05 15:42:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.861	152	35090	20.000	ng		0.00
21) Naphthalene-d8	10.652	136	145084	20.000	ng	#	0.00
39) Acenaphthene-d10	14.489	164	93726	20.000	ng		0.00
64) Phenanthrene-d10	17.227	188	217148	20.000	ng		0.00
76) Chrysene-d12	21.463	240	246166	20.000	ng		0.00
86) Perylene-d12	24.483	264	261789	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.446	112	177138	78.823	ng		0.00
7) Phenol-d6	7.021	99	230804	75.496	ng		0.00
23) Nitrobenzene-d5	9.013	82	221265	84.279	ng		0.00
42) 2,4,6-Tribromophenol	15.975	330	94089	90.311	ng		0.00
45) 2-Fluorobiphenyl	13.114	172	495129	80.186	ng		0.00
79) Terphenyl-d14	19.853	244	940889	77.284	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.378	88	40961	40.218	ng		97
3) Pyridine	3.760	79	98907	39.931	ng		98
4) n-Nitrosodimethylamine	3.678	42	70753	39.980	ng		94
6) Aniline	7.186	93	112627	37.544	ng		97
8) 2-Chlorophenol	7.426	128	92723	38.417	ng		97
9) Benzaldehyde	6.997	77	67720m	38.087	ng		
10) Phenol	7.050	94	121465	38.806	ng		98
11) bis(2-Chloroethyl)ether	7.285	93	90358	36.822	ng		97
12) 1,3-Dichlorobenzene	7.750	146	97739	36.876	ng		98
13) 1,4-Dichlorobenzene	7.896	146	99638	36.676	ng		98
14) 1,2-Dichlorobenzene	8.214	146	96129	36.695	ng		97
15) Benzyl Alcohol	8.096	79	89828	38.023	ng		95
16) 2,2'-oxybis(1-Chloropr...	8.390	45	201622	36.540	ng		99
17) 2-Methylphenol	8.296	107	78276	37.680	ng		97
18) Hexachloroethane	8.942	117	37454	39.404	ng		97
19) n-Nitroso-di-n-propyla...	8.666	70	76484	35.648	ng		98
20) 3+4-Methylphenols	8.619	107	106291	37.166	ng		95
22) Acetophenone	8.678	105	156271	39.285	ng	#	99
24) Nitrobenzene	9.054	77	114521	42.208	ng		98
25) Isophorone	9.577	82	198754	37.823	ng		97
26) 2-Nitrophenol	9.765	139	36978	40.946	ng		92
27) 2,4-Dimethylphenol	9.824	122	63231	40.139	ng		97
28) bis(2-Chloroethoxy)met...	10.064	93	123038	38.620	ng		99
29) 2,4-Dichlorophenol	10.294	162	81863	41.154	ng		93
30) 1,2,4-Trichlorobenzene	10.517	180	93175	38.802	ng		93
31) Naphthalene	10.699	128	308258	39.402	ng		98
32) Benzoic acid	9.953	122	51607m	37.906	ng		
33) 4-Chloroaniline	10.805	127	114228	39.949	ng		98
34) Hexachlorobutadiene	10.993	225	62517	39.720	ng		99
35) Caprolactam	11.563	113	32080	42.084	ng	#	85
36) 4-Chloro-3-methylphenol	11.927	107	103382	39.649	ng		96
37) 2-Methylnaphthalene	12.309	142	212431	38.463	ng		97
38) 1-Methylnaphthalene	12.532	142	209530	38.724	ng		94
40) 1,2,4,5-Tetrachloroben...	12.679	216	106041	39.630	ng		95
41) Hexachlorocyclopentadiene	12.667	237	33041	43.873	ng		98
43) 2,4,6-Trichlorophenol	12.914	196	66496	42.165	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064053.D
Acq On : 5 Mar 2025 15:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

Quant Time: Mar 05 15:42:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.985	196	74580	42.561	ng		95
46) 1,1'-Biphenyl	13.325	154	284632	40.196	ng		98
47) 2-Chloronaphthalene	13.361	162	208172	40.309	ng		97
48) 2-Nitroaniline	13.560	65	68823	41.405	ng		98
49) Acenaphthylene	14.207	152	331135	40.537	ng		100
50) Dimethylphthalate	13.948	163	274751	39.712	ng		99
51) 2,6-Dinitrotoluene	14.060	165	56243	40.625	ng		99
52) Acenaphthene	14.553	154	221628m	40.428	ng		
53) 3-Nitroaniline	14.389	138	60229	45.042	ng		97
54) 2,4-Dinitrophenol	14.589	184	21627	41.197	ng		86
55) Dibenzofuran	14.888	168	355364	40.014	ng		99
56) 4-Nitrophenol	14.688	139	53310	47.537	ng		96
57) 2,4-Dinitrotoluene	14.847	165	80269	41.944	ng	#	97
58) Fluorene	15.535	166	279465	40.403	ng		96
59) 2,3,4,6-Tetrachlorophenol	15.111	232	73574	43.068	ng		96
60) Diethylphthalate	15.317	149	309434	41.198	ng		99
61) 4-Chlorophenyl-phenyle...	15.535	204	135318	39.367	ng		95
62) 4-Nitroaniline	15.546	138	65797	45.576	ng		91
63) Azobenzene	15.822	77	321688	40.137	ng		99
65) 4,6-Dinitro-2-methylph...	15.611	198	35775	39.817	ng		95
66) n-Nitrosodiphenylamine	15.746	169	241241	39.248	ng		99
67) 4-Bromophenyl-phenylether	16.428	248	88452	39.772	ng		97
68) Hexachlorobenzene	16.539	284	96136	38.611	ng		97
69) Atrazine	16.692	200	69821	38.607	ng		95
70) Pentachlorophenol	16.880	266	66504	43.019	ng		97
71) Phenanthrene	17.274	178	463029	39.978	ng		97
72) Anthracene	17.362	178	463897	40.280	ng		99
73) Carbazole	17.626	167	449805	41.831	ng		99
74) Di-n-butylphthalate	18.208	149	565797	44.702	ng		99
75) Fluoranthene	19.283	202	588493	42.146	ng		97
77) Benzidine	19.465	184	127428	37.383	ng		98
78) Pyrene	19.641	202	608668	38.357	ng		99
80) Butylbenzylphthalate	20.546	149	238653	40.680	ng		96
81) Benzo(a)anthracene	21.445	228	624403	39.598	ng		98
82) 3,3'-Dichlorobenzidine	21.369	252	209761	41.103	ng		99
83) Chrysene	21.504	228	611410	38.876	ng		99
84) Bis(2-ethylhexyl)phtha...	21.381	149	379928	44.551	ng		99
85) Di-n-octyl phthalate	22.532	149	627920	42.688	ng		100
87) Indeno(1,2,3-cd)pyrene	27.885	276	699194	39.918	ng		100
88) Benzo(b)fluoranthene	23.531	252	615644	38.901	ng		99
89) Benzo(k)fluoranthene	23.596	252	620446	39.079	ng		98
90) Benzo(a)pyrene	24.342	252	546383	38.765	ng		99
91) Dibenzo(a,h)anthracene	27.949	278	583198	40.162	ng		98
92) Benzo(g,h,i)perylene	28.936	276	592494	39.740	ng		98

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

ICAL Form

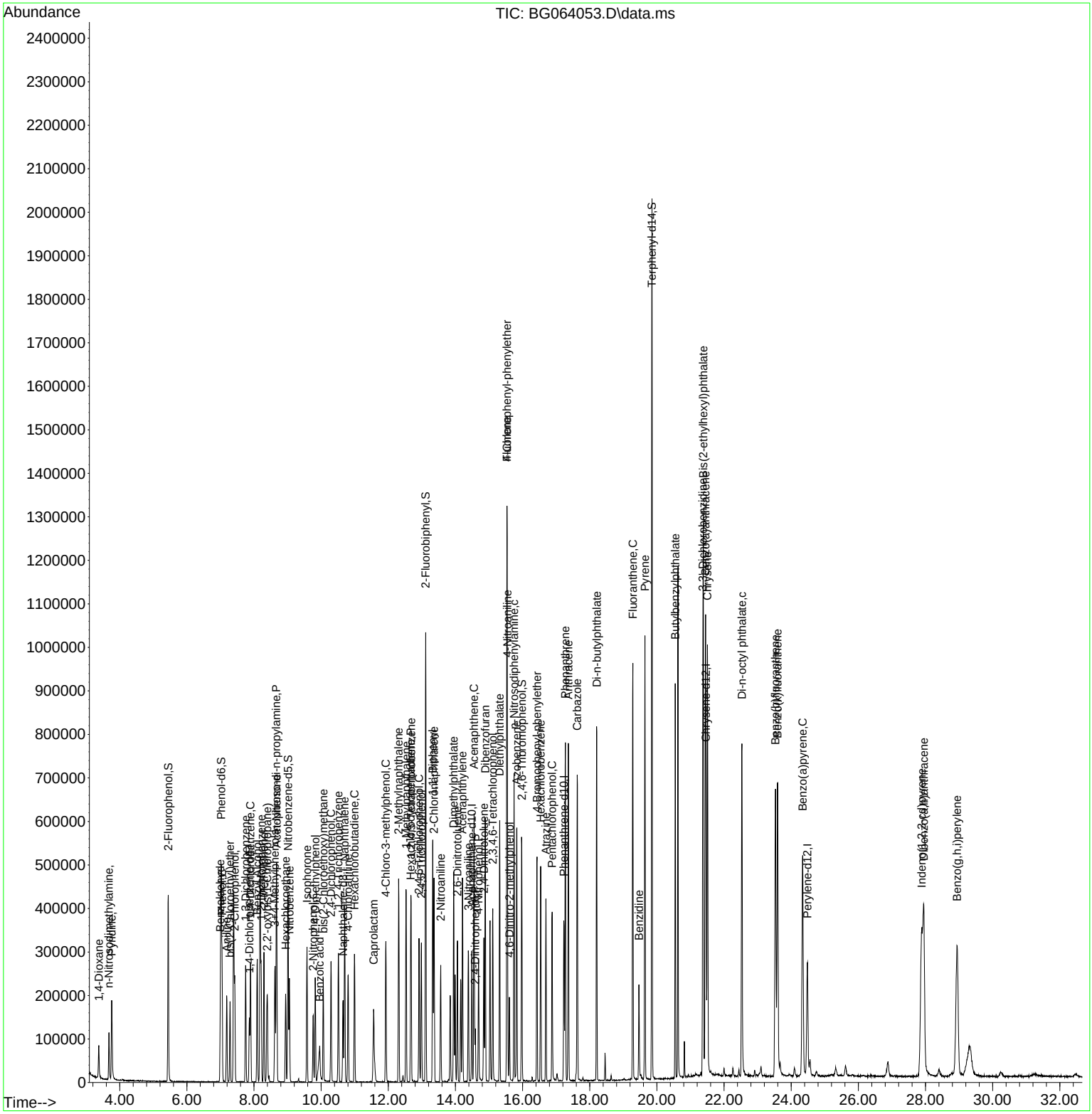
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064053.D
Acq On : 5 Mar 2025 15:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

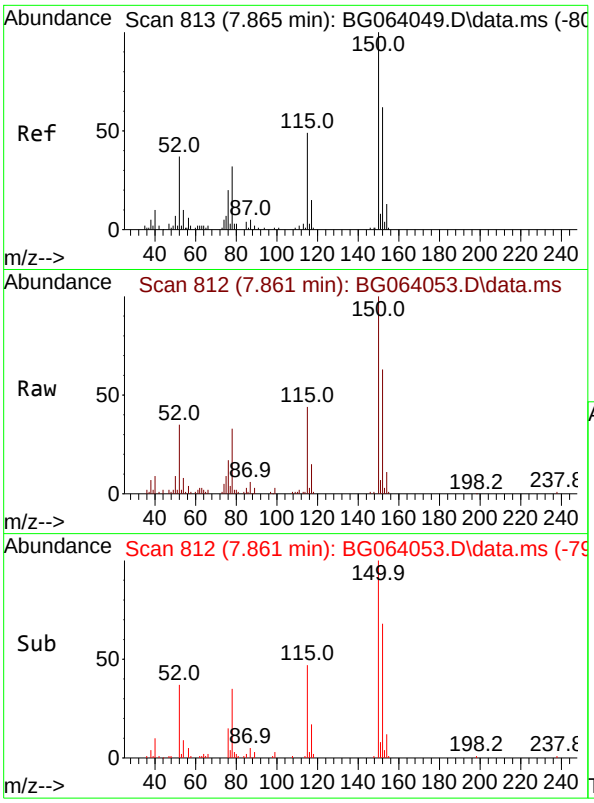
Quant Time: Mar 05 15:42:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

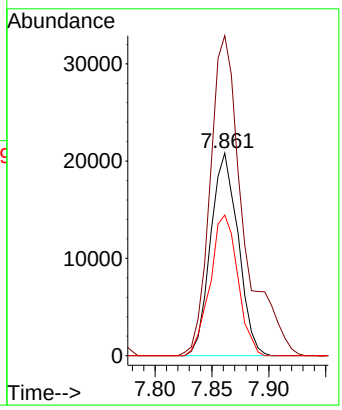




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.861 min Scan# 8
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:152 Resp: 3509

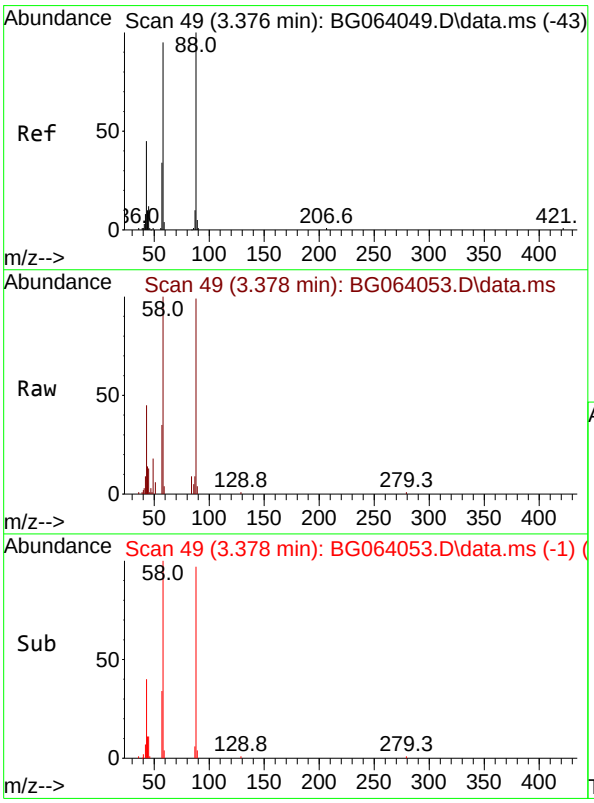
Ion	Ratio	Lower	Upper
152	100		
150	158.0	129.2	193.8
115	69.5	63.0	94.6



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Manual Integrations
APPROVED

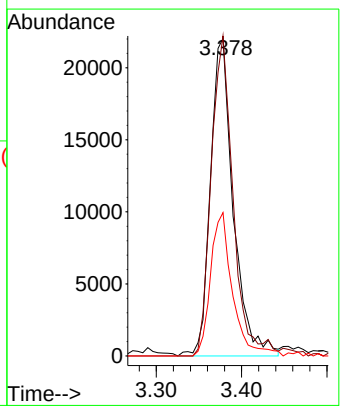
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

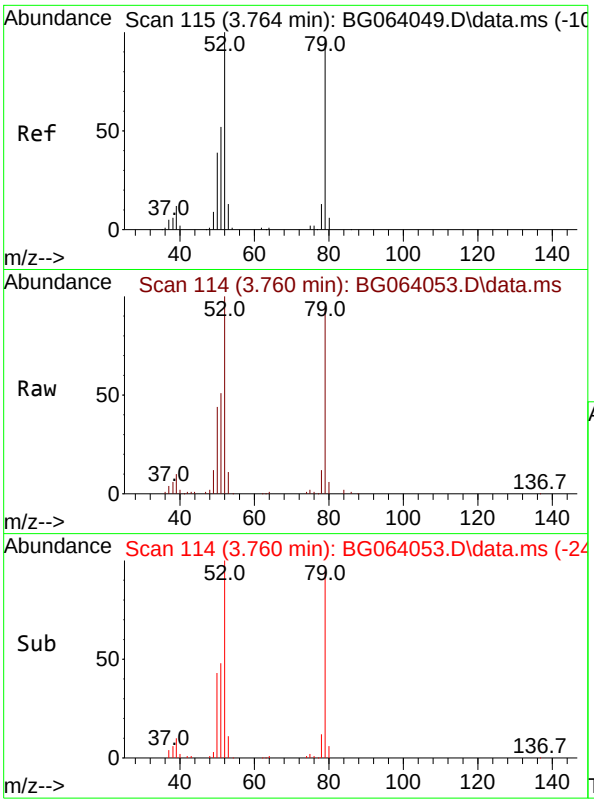


#2
1,4-Dioxane
Concen: 40.218 ng
RT: 3.378 min Scan# 49
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion: 88 Resp: 40961

Ion	Ratio	Lower	Upper
88	100		
58	96.9	74.6	111.8
43	43.3	35.5	53.3

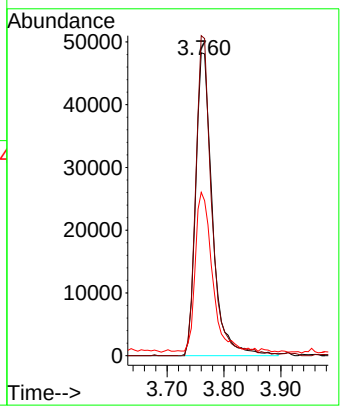




#3
Pyridine
Concen: 39.931 ng
RT: 3.760 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion: 79 Resp: 9890

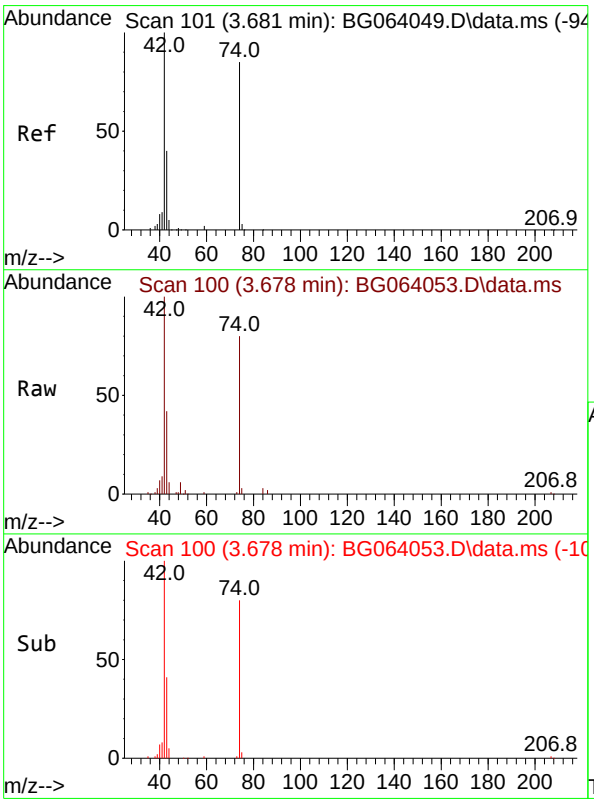
Ion	Ratio	Lower	Upper
79	100		
52	105.6	83.0	124.6
51	54.0	44.3	66.5



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Manual Integrations
APPROVED

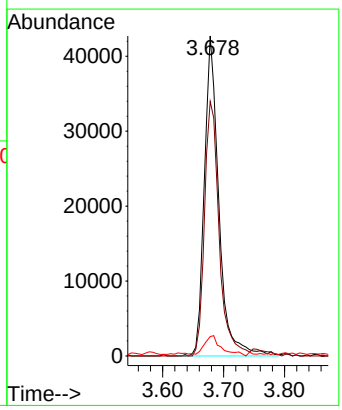
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

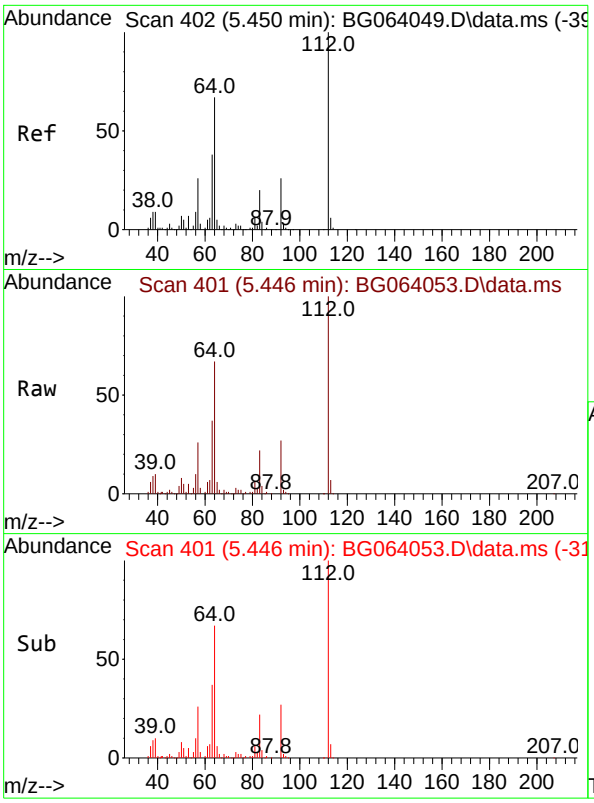


#4
n-Nitrosodimethylamine
Concen: 39.980 ng
RT: 3.678 min Scan# 100
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion: 42 Resp: 70753

Ion	Ratio	Lower	Upper
42	100		
74	79.5	68.0	102.0
44	6.0	4.9	7.3

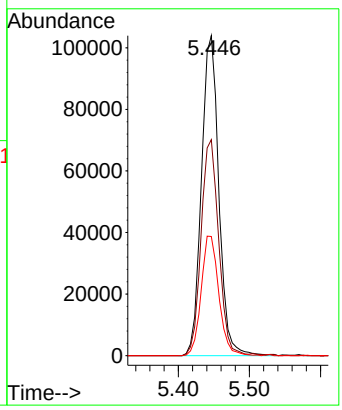




#5
2-Fluorophenol
Concen: 78.823 ng
RT: 5.446 min Scan# 4(
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:112 Resp: 17713

Ion	Ratio	Lower	Upper
112	100		
64	67.5	53.7	80.5
63	37.2	30.2	45.4



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

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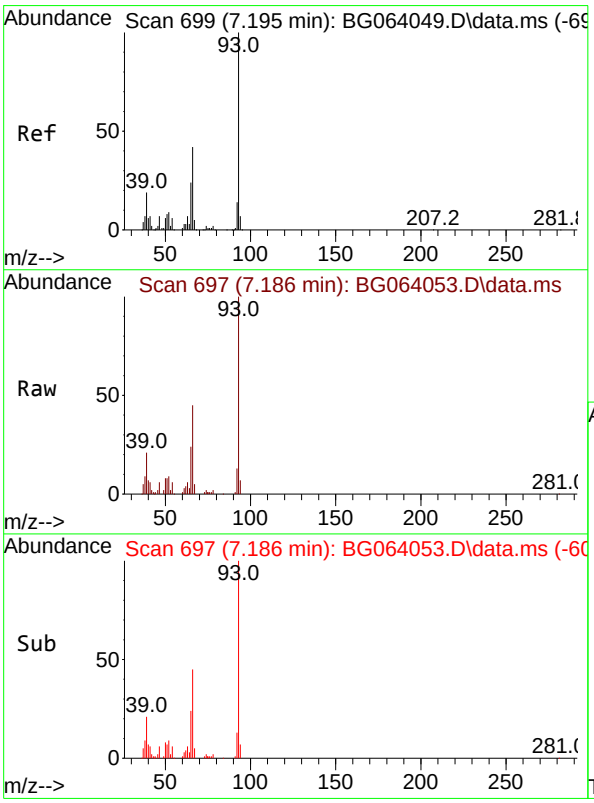
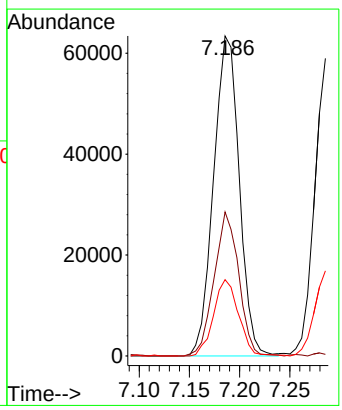
Supervised By :mohammad ahmed 03/07/2025

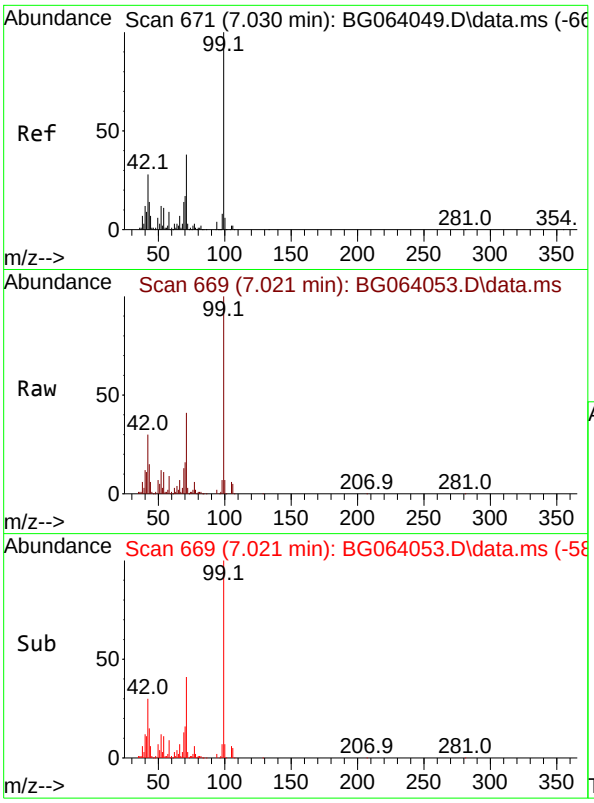


#6
Aniline
Concen: 37.544 ng
RT: 7.186 min Scan# 697
Delta R.T. -0.009 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion: 93 Resp: 112627

Ion	Ratio	Lower	Upper
93	100		
66	45.0	33.7	50.5
65	23.8	19.1	28.7

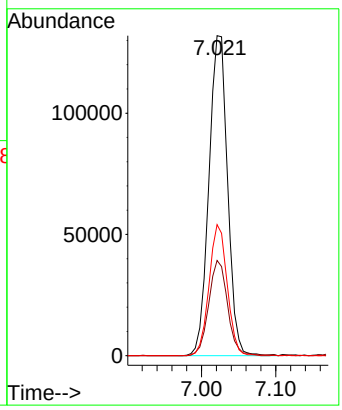




#7
Phenol-d6
Concen: 75.496 ng
RT: 7.021 min Scan# 6
Delta R.T. -0.009 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion: 99 Resp: 23080

Ion	Ratio	Lower	Upper
99	100		
42	29.8	22.7	34.1
71	41.0	30.6	46.0



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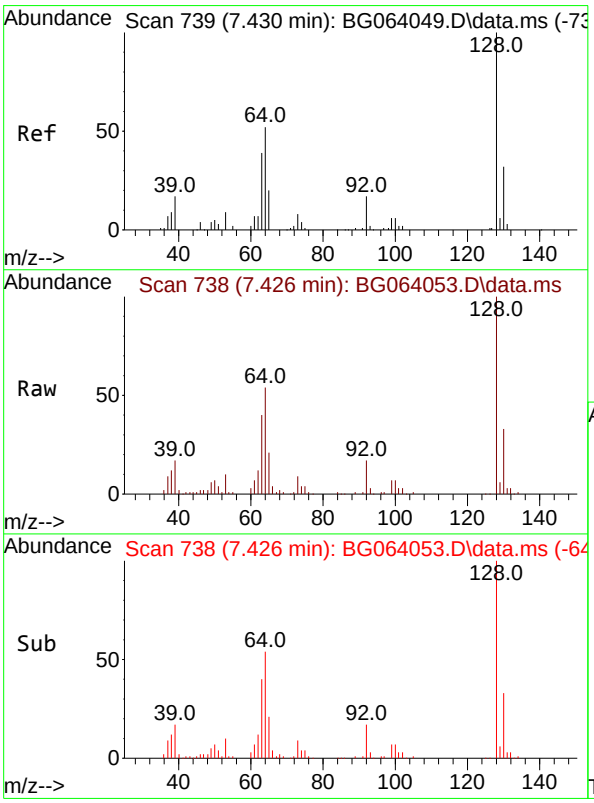
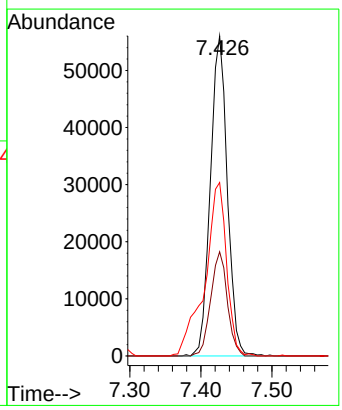
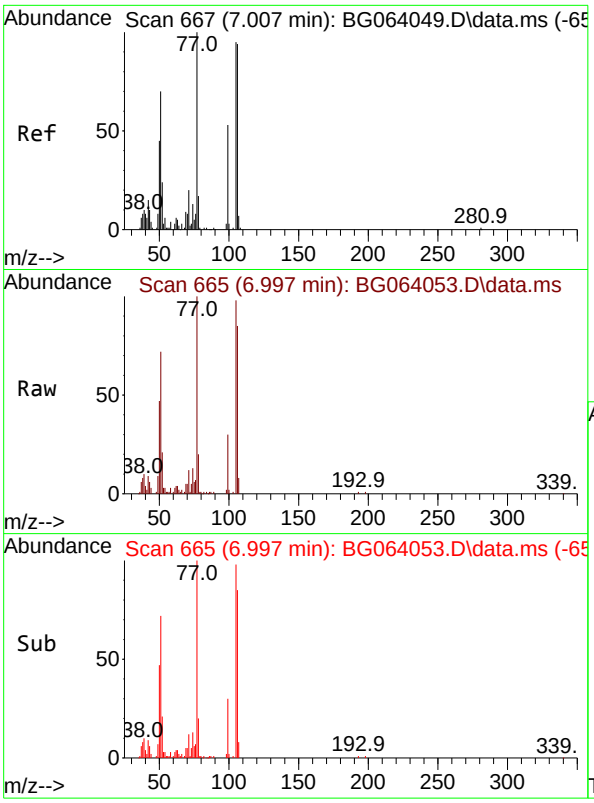


#8
2-Chlorophenol
Concen: 38.417 ng
RT: 7.426 min Scan# 738
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:128 Resp: 92723

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.3	52.3
64	54.2	37.0	77.0

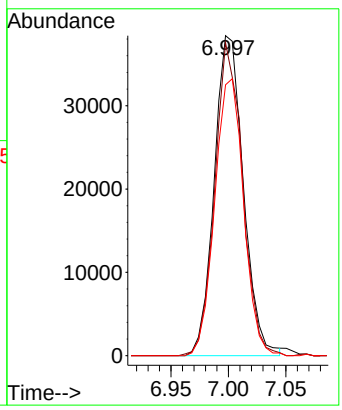




#9
Benzaldehyde
Concen: 38.087 ng m
RT: 6.997 min Scan# 6
Delta R.T. -0.010 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion: 77 Resp: 6772

Ion	Ratio	Lower	Upper
77	100		
105	97.8	75.5	115.5
106	84.6	74.2	114.2



Instrument :
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ClientSampleId :
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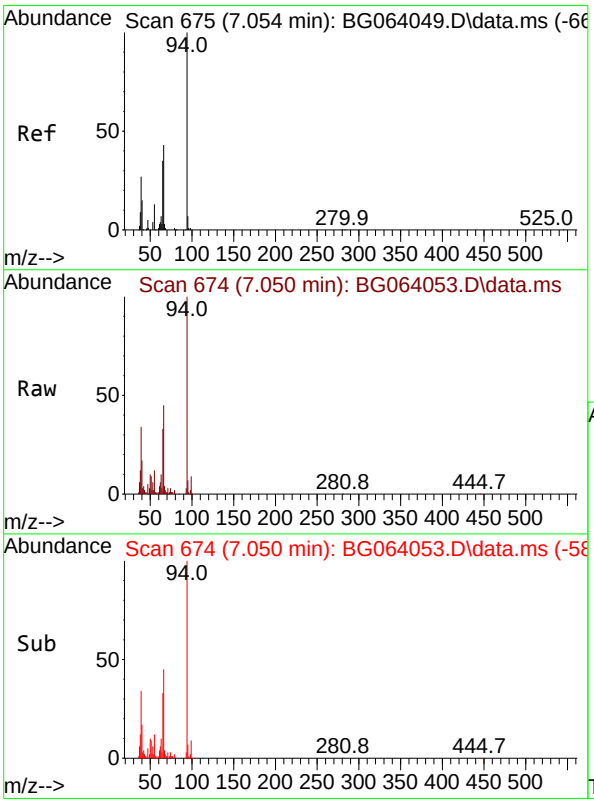
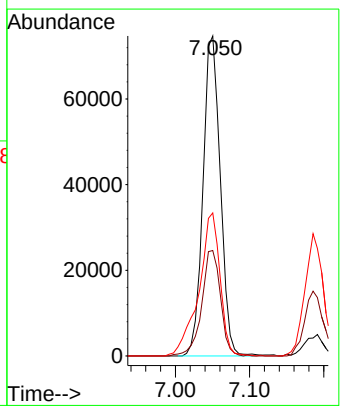
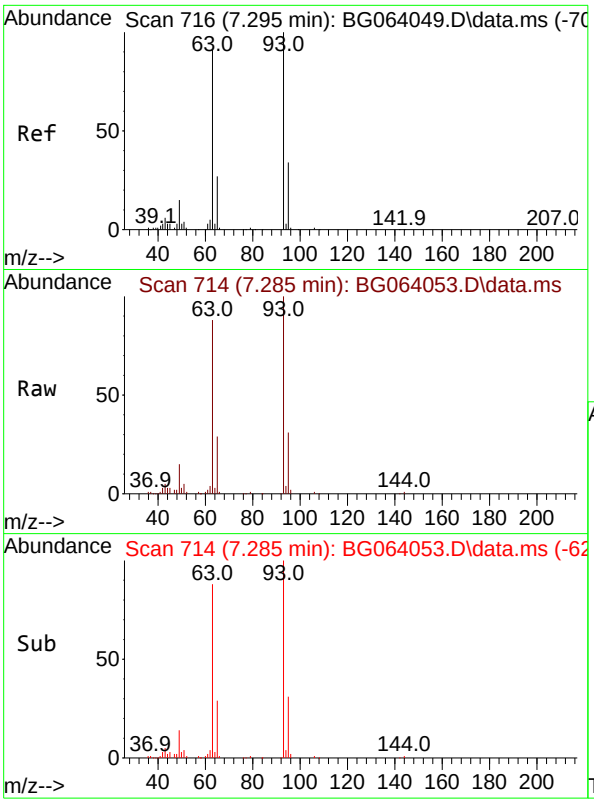


#10
Phenol
Concen: 38.806 ng
RT: 7.050 min Scan# 674
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion: 94 Resp: 121465

Ion	Ratio	Lower	Upper
94	100		
65	33.0	15.2	55.2
66	44.7	25.1	65.1

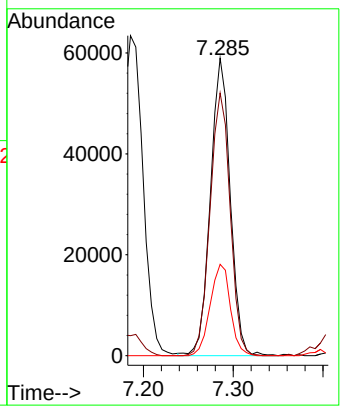




#11
bis(2-Chloroethyl)ether
Concen: 36.822 ng
RT: 7.285 min Scan# 7
Delta R.T. -0.009 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion: 93 Resp: 9035

Ion	Ratio	Lower	Upper
93	100		
63	88.3	70.0	110.0
95	30.7	13.7	53.7



Instrument :
BNA_G
ClientSampleId :
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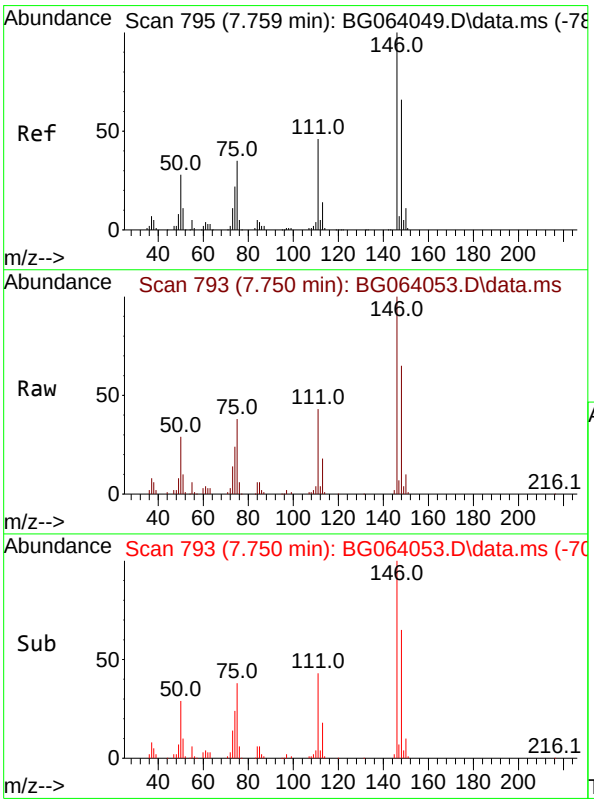
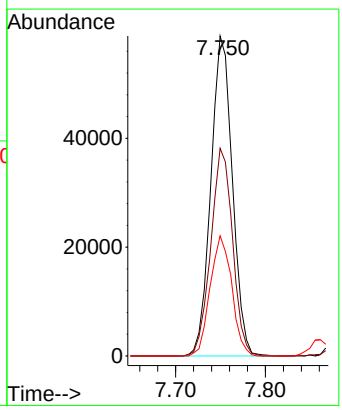
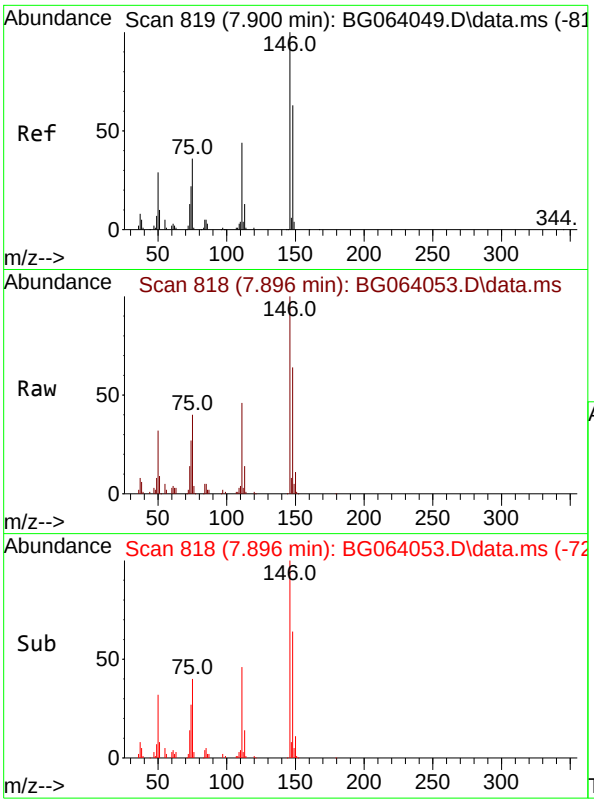


#12
1,3-Dichlorobenzene
Concen: 36.876 ng
RT: 7.750 min Scan# 793
Delta R.T. -0.009 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:146 Resp: 97739

Ion	Ratio	Lower	Upper
146	100		
148	64.9	52.6	78.8
75	37.6	28.1	42.1

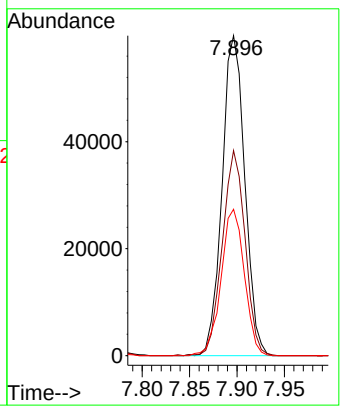




#13
1,4-Dichlorobenzene
Concen: 36.676 ng
RT: 7.896 min Scan# 8
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:146 Resp: 9963

Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.6	75.8
111	45.8	35.1	52.7



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

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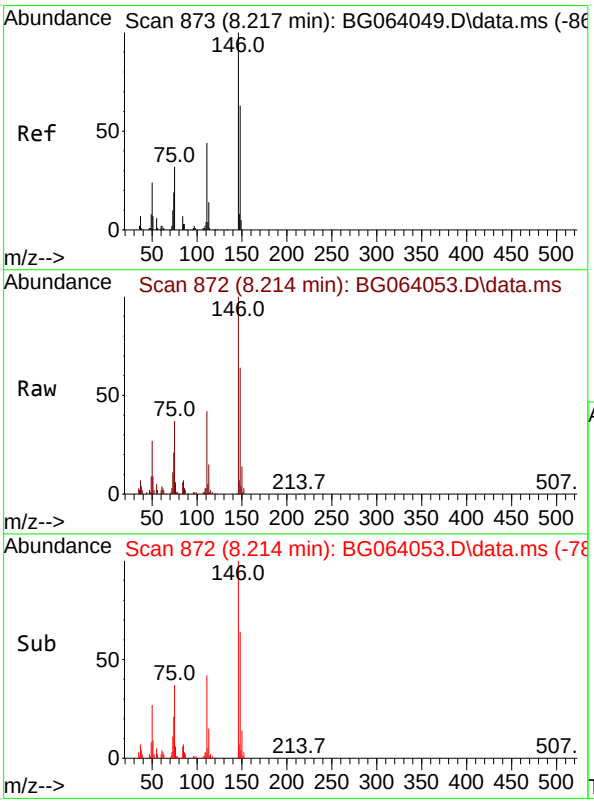
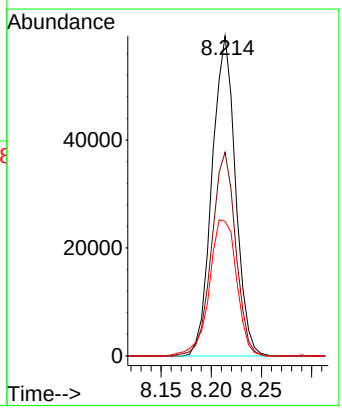
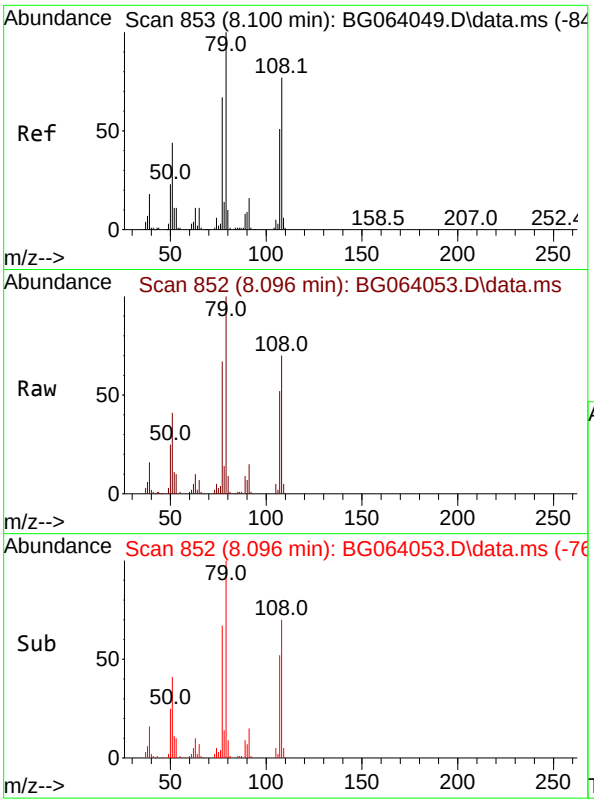


#14
1,2-Dichlorobenzene
Concen: 36.695 ng
RT: 8.214 min Scan# 872
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:146 Resp: 96129

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.2	75.2
111	42.1	36.4	54.6





#15
Benzyl Alcohol
Concen: 38.023 ng
RT: 8.096 min Scan# 8
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion: 79 Resp: 8982

Ion	Ratio	Lower	Upper
79	100		
108	69.7	61.7	92.5
77	67.2	53.9	80.9

Instrument :
BNA_G
ClientSampleId :
ICVBG030525

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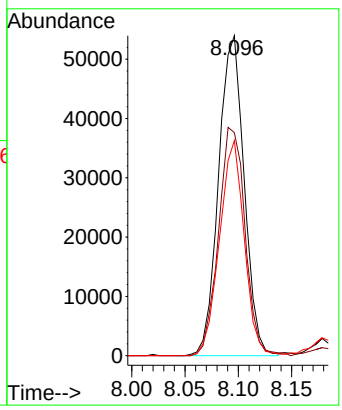
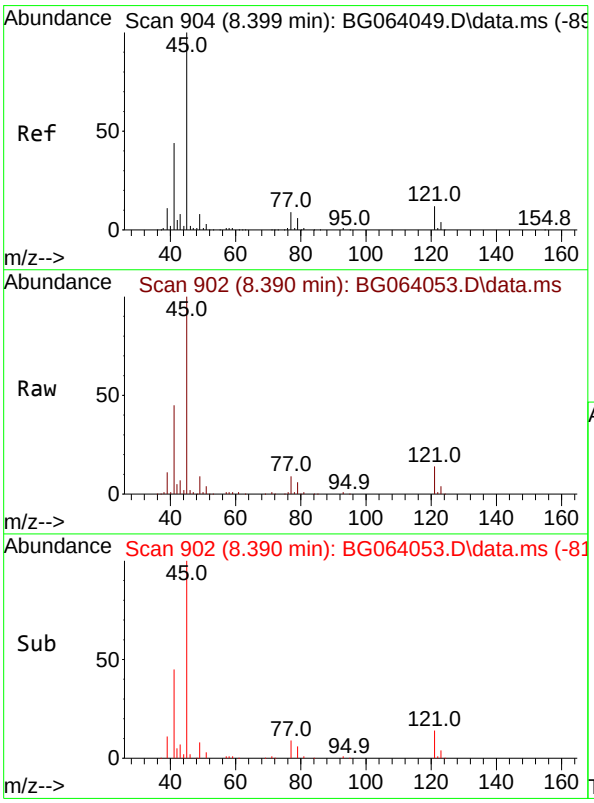
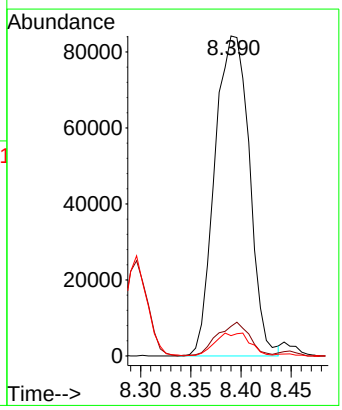


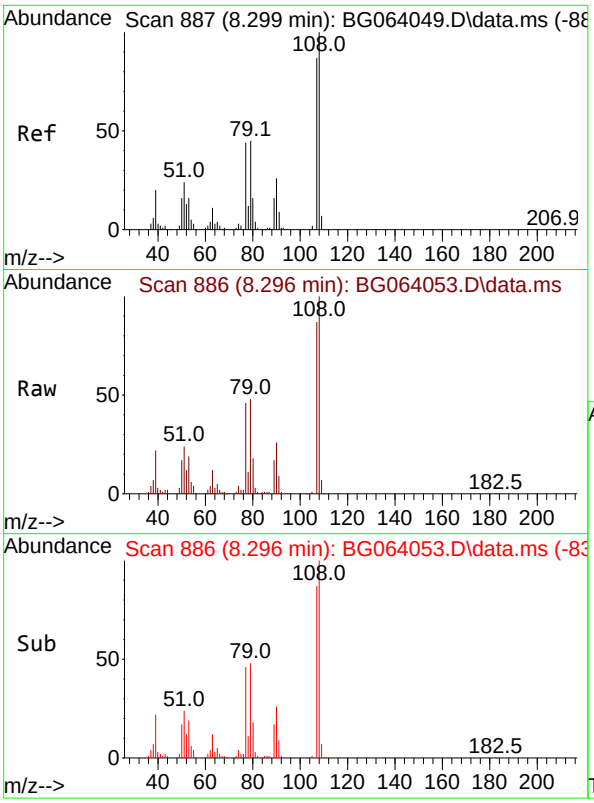


#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.540 ng
RT: 8.390 min Scan# 902
Delta R.T. -0.009 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion: 45 Resp: 201622

Ion	Ratio	Lower	Upper
45	100		
77	9.3	0.0	29.0
79	6.4	0.0	26.6

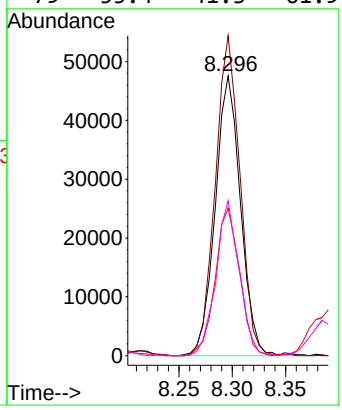




#17
2-Methylphenol
Concen: 37.680 ng
RT: 8.296 min Scan# 8
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:107 Resp: 7827

Ion	Ratio	Lower	Upper
107	100		
108	114.3	92.5	138.7
77	52.7	40.5	60.7
79	55.4	41.3	61.9



Instrument :
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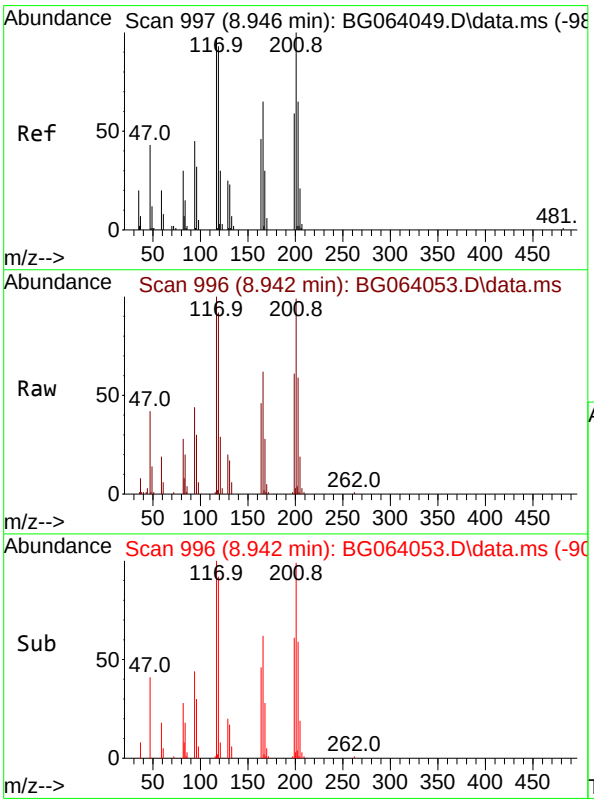
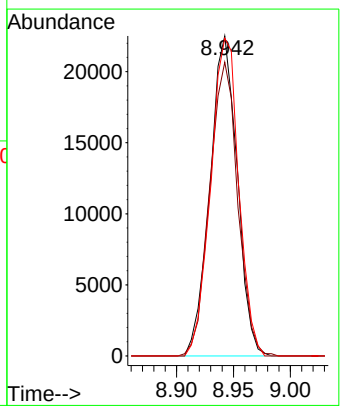
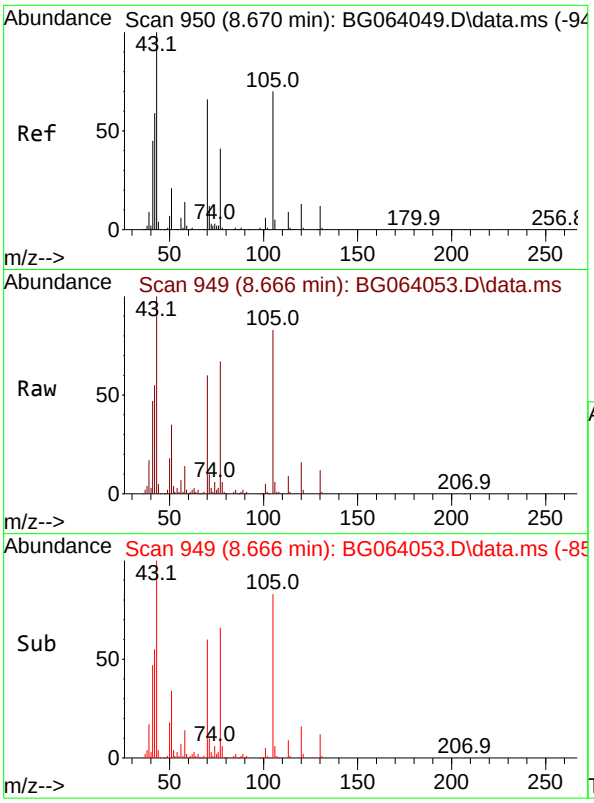


#18
Hexachloroethane
Concen: 39.404 ng
RT: 8.942 min Scan# 996
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:117 Resp: 37454

Ion	Ratio	Lower	Upper
117	100		
119	91.8	76.2	114.2
201	99.3	81.5	122.3

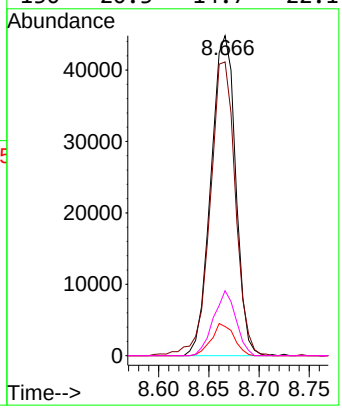




#19
n-Nitroso-di-n-propylamine
Concen: 35.648 ng
RT: 8.666 min Scan# 94
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion: 70 Resp: 7648

Ion	Ratio	Lower	Upper
70	100		
42	91.8	72.1	108.1
101	9.1	7.2	10.8
130	20.3	14.7	22.1



Instrument :
BNA_G
ClientSampleId :
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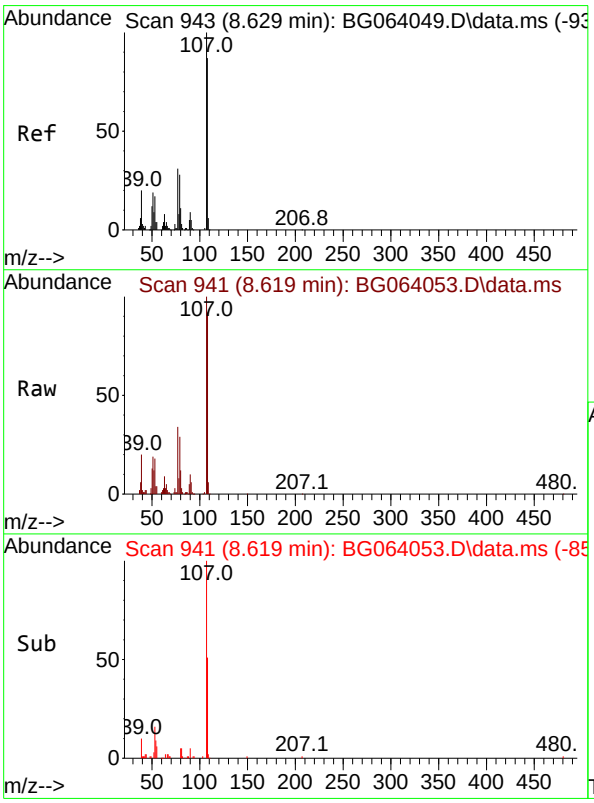
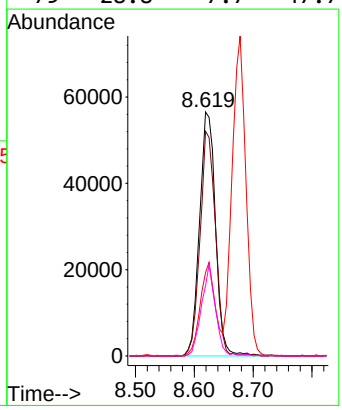
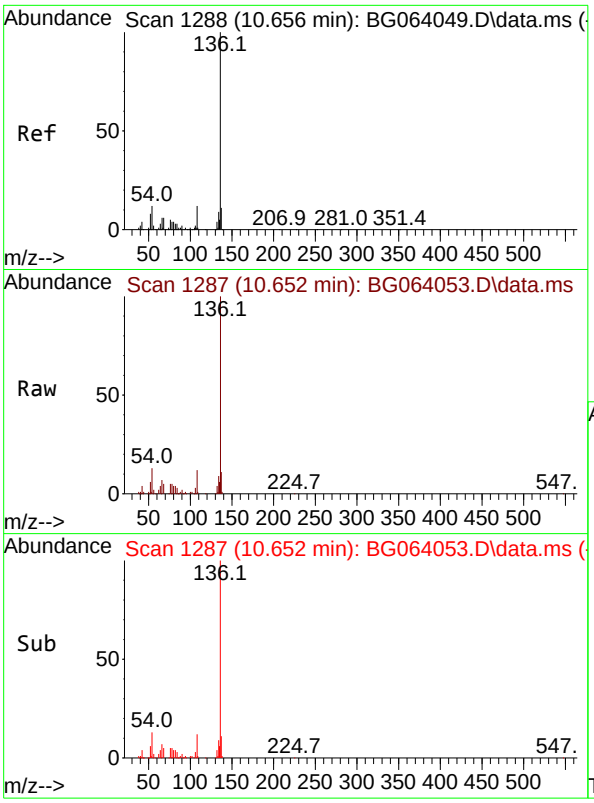


#20
3+4-Methylphenols
Concen: 37.166 ng
RT: 8.619 min Scan# 941
Delta R.T. -0.009 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:107 Resp: 106291

Ion	Ratio	Lower	Upper
107	100		
108	92.1	67.0	107.0
77	34.2	11.2	51.2
79	28.8	7.7	47.7

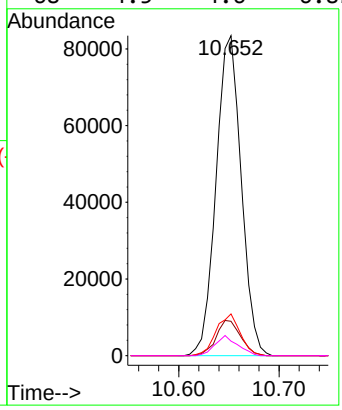




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.652 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:136 Resp: 14508

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.5	12.7
54	13.0	9.9	14.9
68	4.5	4.6	6.8#



Instrument :
BNA_G
ClientSampleId :
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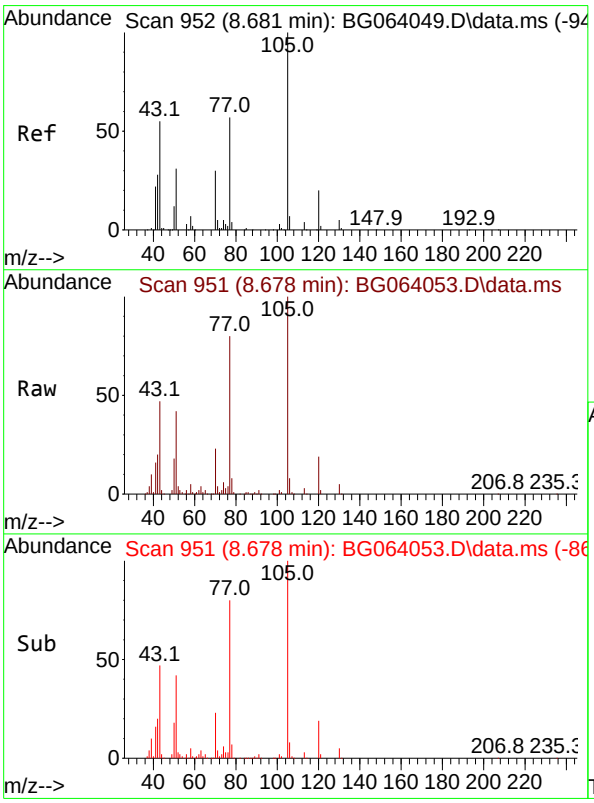
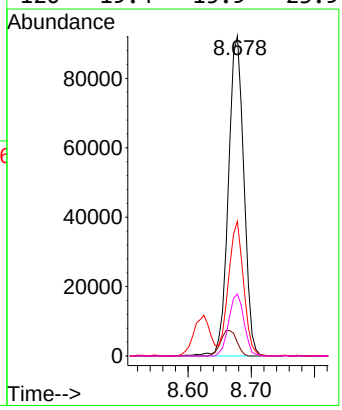
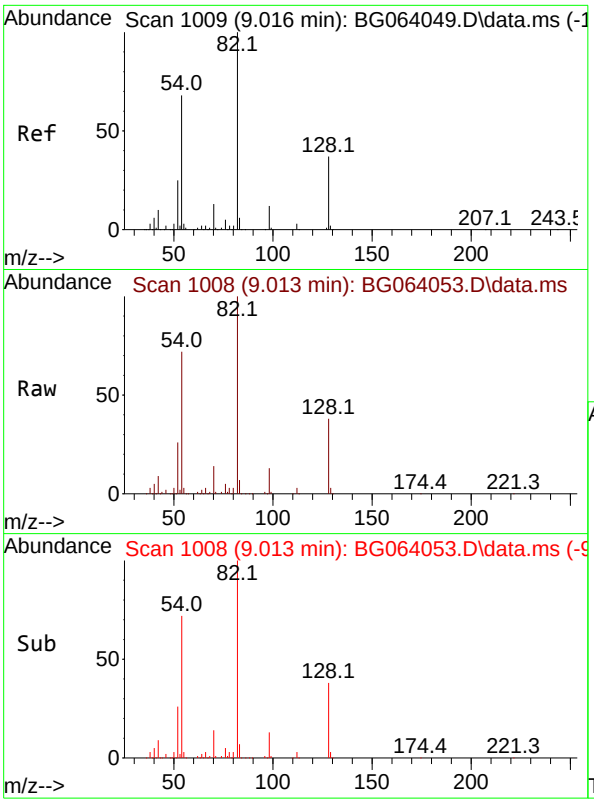


#22
Acetophenone
Concen: 39.285 ng
RT: 8.678 min Scan# 951
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:105 Resp: 156271

Ion	Ratio	Lower	Upper
105	100		
71	4.2	4.2	6.4#
51	42.1	33.3	49.9
120	19.4	15.9	23.9

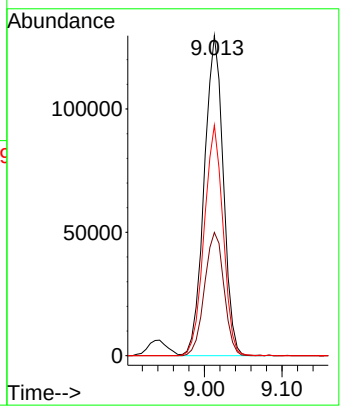




#23
Nitrobenzene-d5
Concen: 84.279 ng
RT: 9.013 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion: 82 Resp: 22126

Ion	Ratio	Lower	Upper
82	100		
128	38.5	30.0	45.0
54	72.0	54.7	82.1



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

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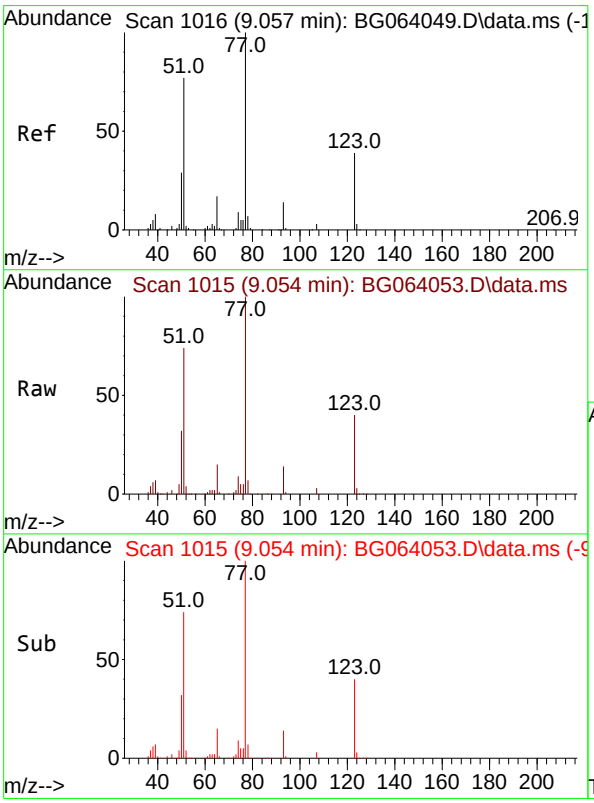
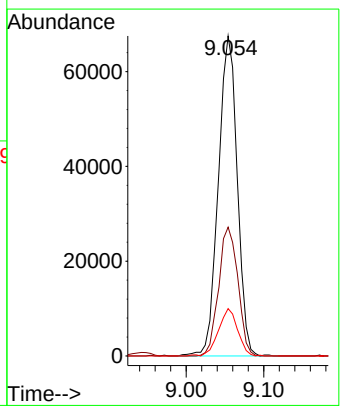
Supervised By :mohammad ahmed 03/07/2025

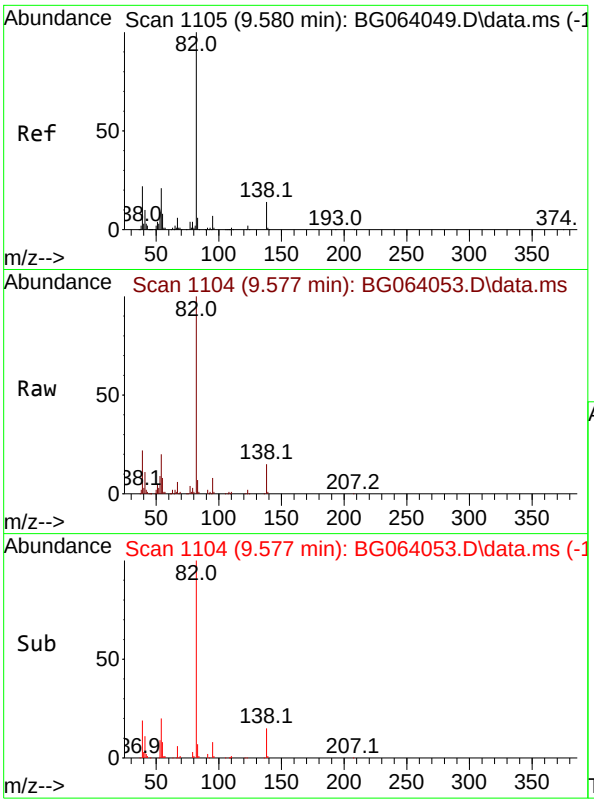


#24
Nitrobenzene
Concen: 42.208 ng
RT: 9.054 min Scan# 1015
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion: 77 Resp: 114521

Ion	Ratio	Lower	Upper
77	100		
123	40.3	31.4	47.2
65	14.8	13.4	20.0

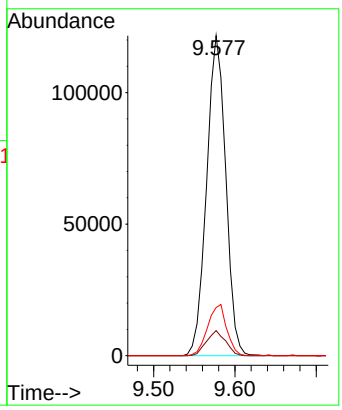




#25
Isophorone
Concen: 37.823 ng
RT: 9.577 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion: 82 Resp: 19875

Ion	Ratio	Lower	Upper
82	100		
95	7.9	5.8	8.8
138	15.1	10.9	16.3



Instrument :
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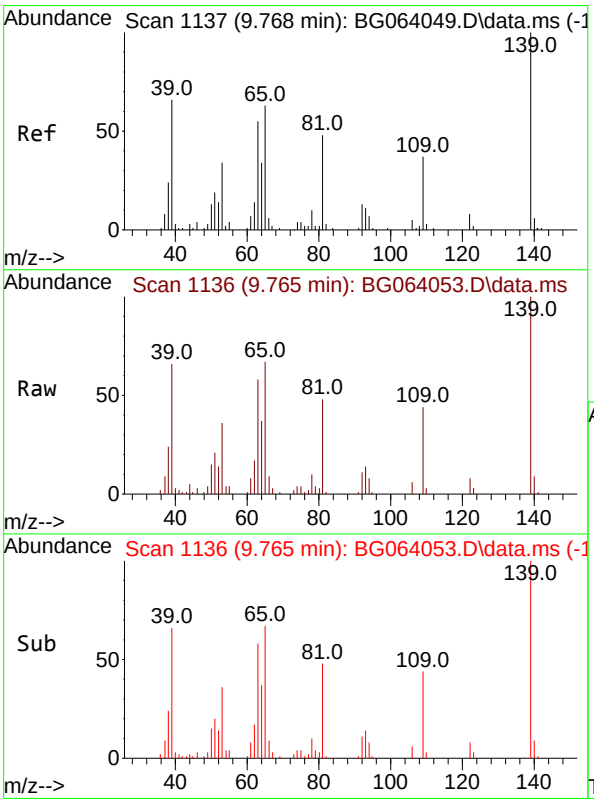
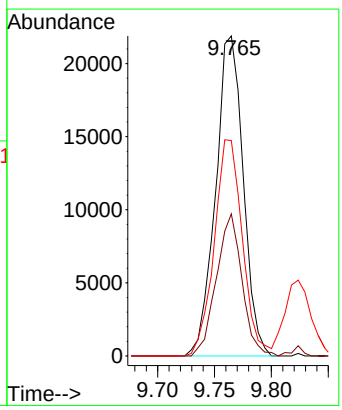
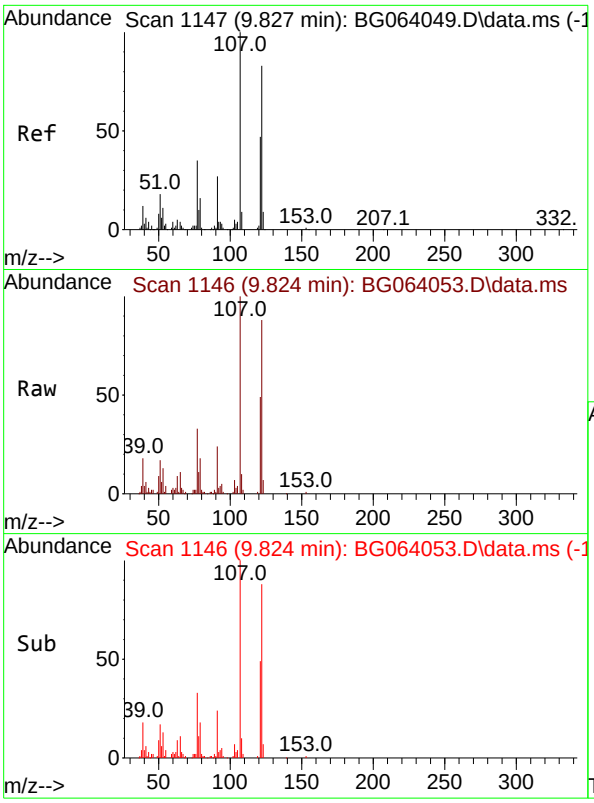


#26
2-Nitrophenol
Concen: 40.946 ng
RT: 9.765 min Scan# 1136
Delta R.T. -0.003 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:139 Resp: 36978

Ion	Ratio	Lower	Upper
139	100		
109	44.4	29.9	44.9
65	67.3	50.6	76.0

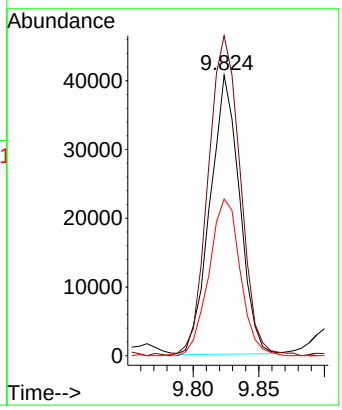




#27
2,4-Dimethylphenol
Concen: 40.139 ng
RT: 9.824 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:122 Resp: 6323

Ion	Ratio	Lower	Upper
122	100		
107	114.1	95.4	143.0
121	55.8	44.9	67.3



Instrument :
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ClientSampleId :
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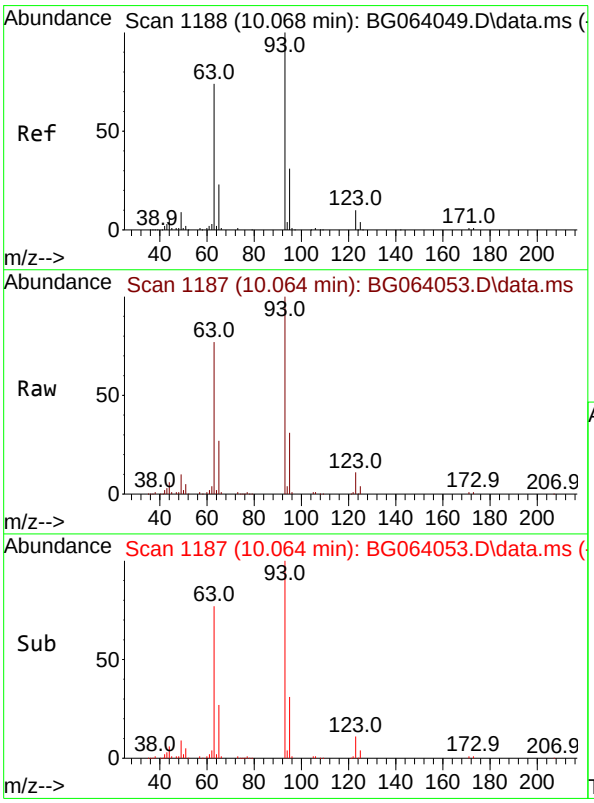
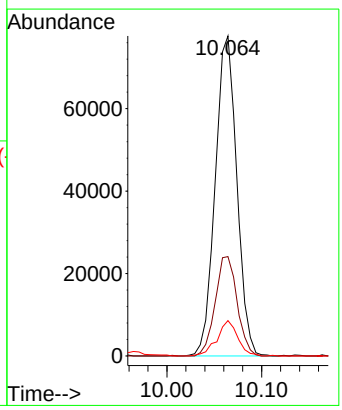
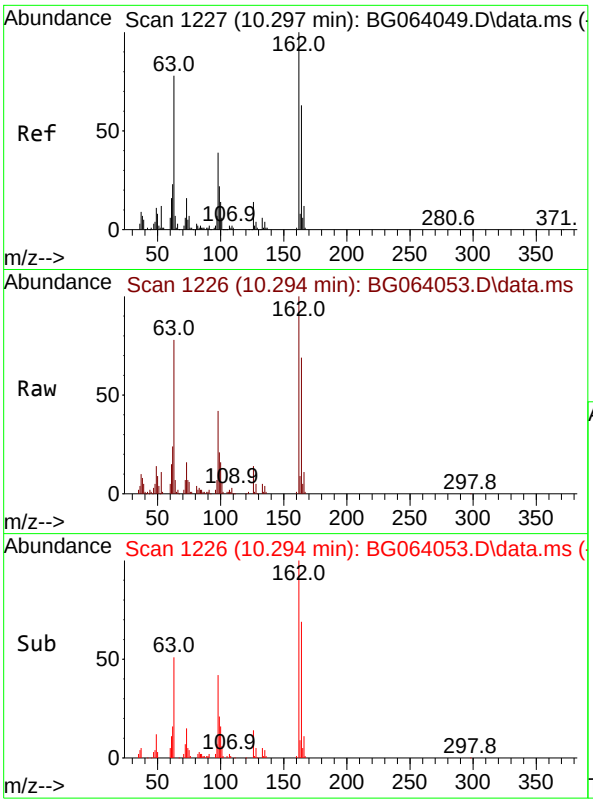


#28
bis(2-Chloroethoxy)methane
Concen: 38.620 ng
RT: 10.064 min Scan# 1187
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion: 93 Resp: 123038

Ion	Ratio	Lower	Upper
93	100		
95	31.1	25.0	37.4
123	11.1	7.6	11.4

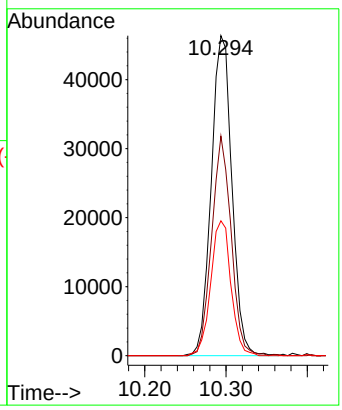




#29
2,4-Dichlorophenol
Concen: 41.154 ng
RT: 10.294 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:162 Resp: 8186

Ion	Ratio	Lower	Upper
162	100		
164	68.6	42.8	82.8
98	42.1	19.1	59.1



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

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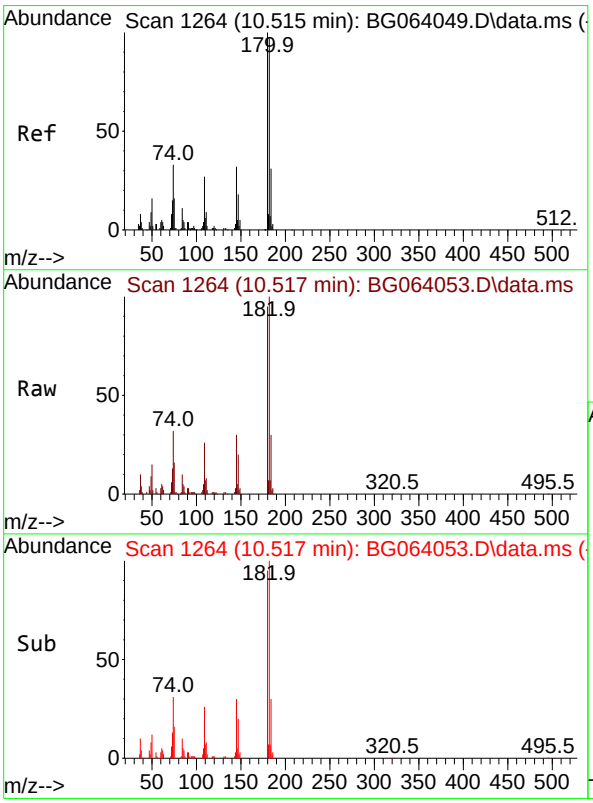
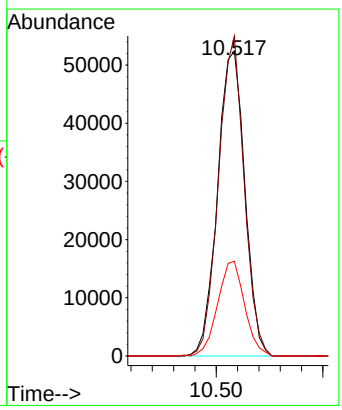
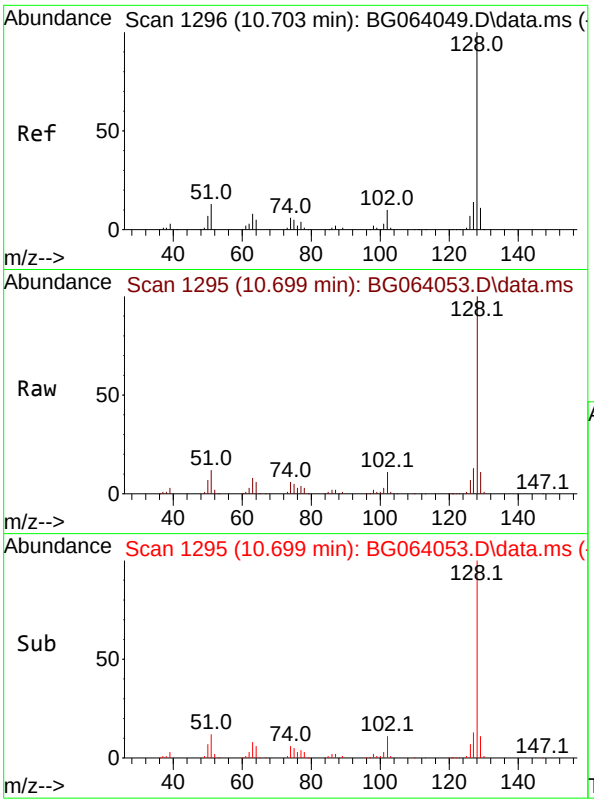


#30
1,2,4-Trichlorobenzene
Concen: 38.802 ng
RT: 10.517 min Scan# 1264
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:180 Resp: 93175

Ion	Ratio	Lower	Upper
180	100		
182	104.9	77.3	115.9
145	31.1	25.2	37.8

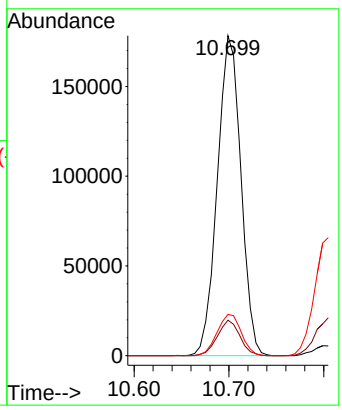




#31
Naphthalene
Concen: 39.402 ng
RT: 10.699 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:128 Resp: 30825

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.4	12.6
127	12.9	11.1	16.7



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

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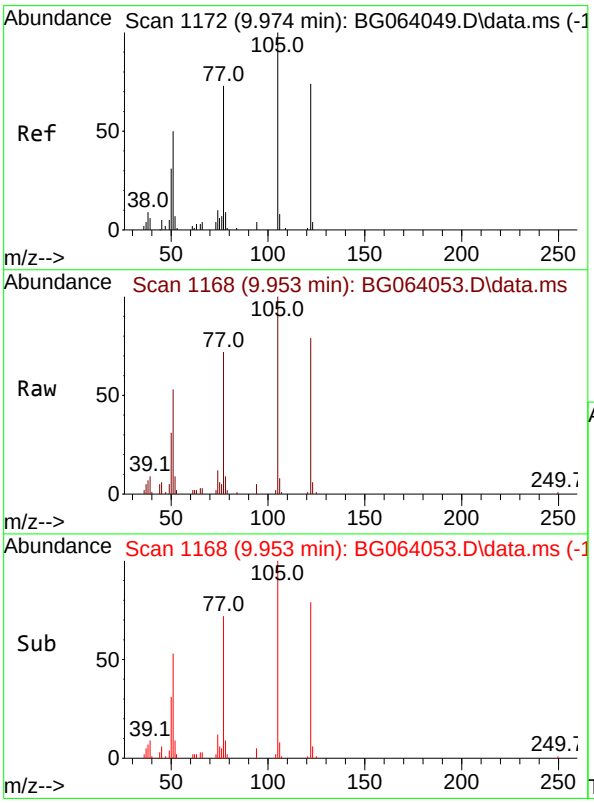
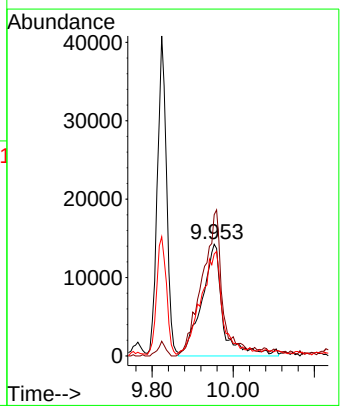
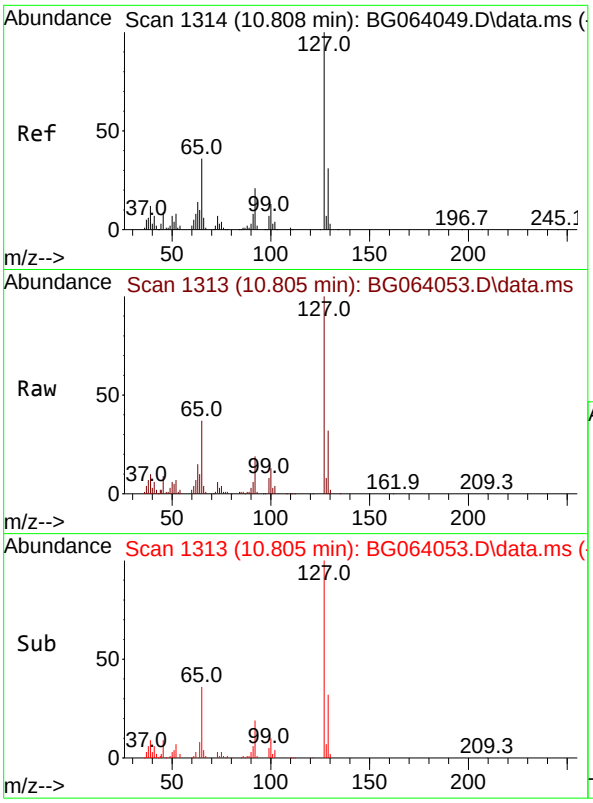


#32
Benzoic acid
Concen: 37.906 ng m
RT: 9.953 min Scan# 1168
Delta R.T. -0.021 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:122 Resp: 51607

Ion	Ratio	Lower	Upper
122	100		
105	126.5	115.0	155.0
77	91.3	80.9	120.9

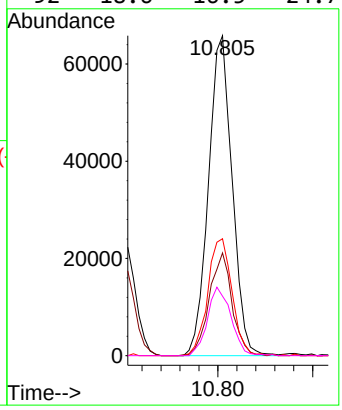




#33
4-Chloroaniline
Concen: 39.949 ng
RT: 10.805 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:127 Resp: 11422

Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.0	37.4
65	36.5	28.5	42.7
92	18.6	16.5	24.7



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

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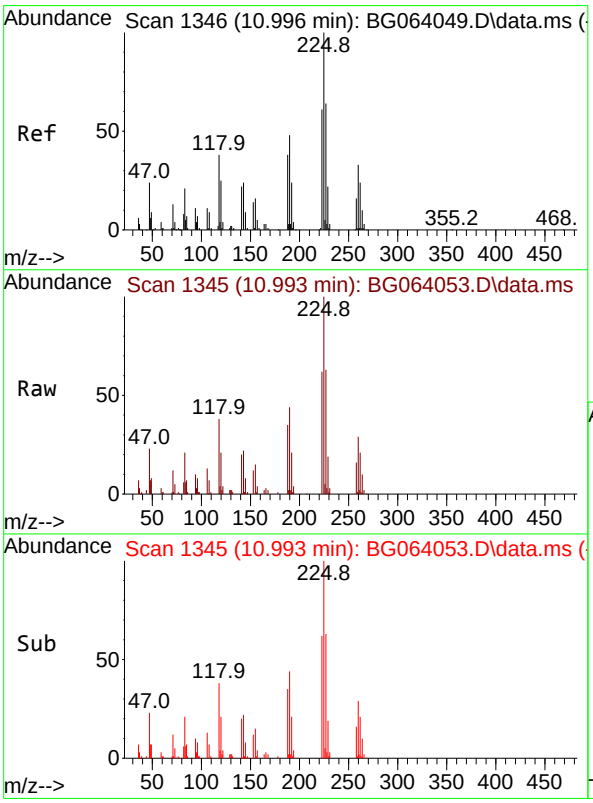
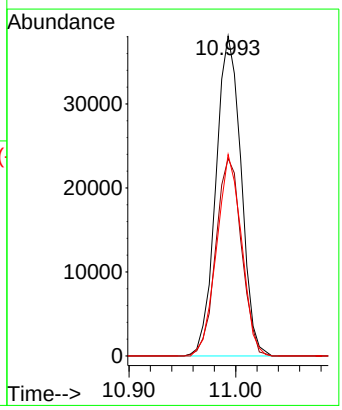
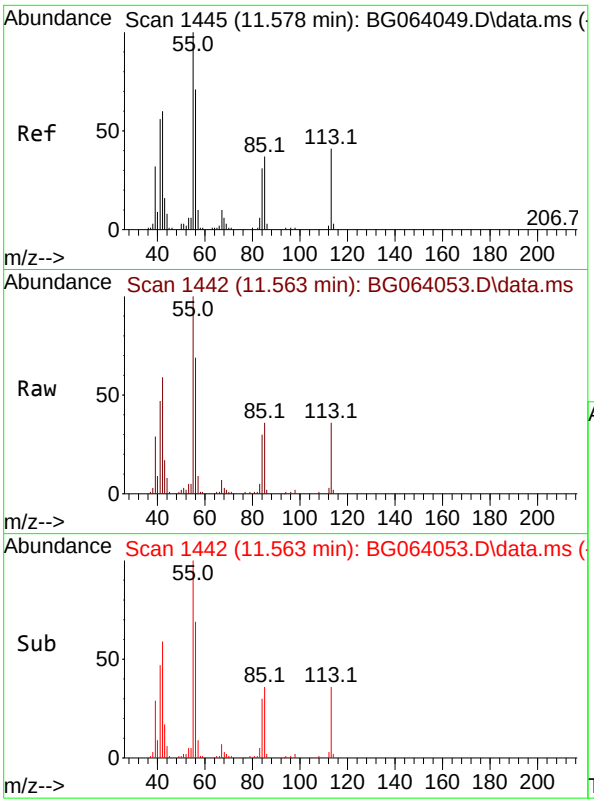


#34
Hexachlorobutadiene
Concen: 39.720 ng
RT: 10.993 min Scan# 1345
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:225 Resp: 62517

Ion	Ratio	Lower	Upper
225	100		
223	61.7	48.5	72.7
227	63.0	51.0	76.6





#35
Caprolactam
Concen: 42.084 ng
RT: 11.563 min Scan# 14
Delta R.T. -0.015 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:113 Resp: 3208

Ion	Ratio	Lower	Upper
113	100		
55	274.0	225.2	265.2
56	189.5	153.4	193.4

Instrument :
BNA_G
ClientSampleId :
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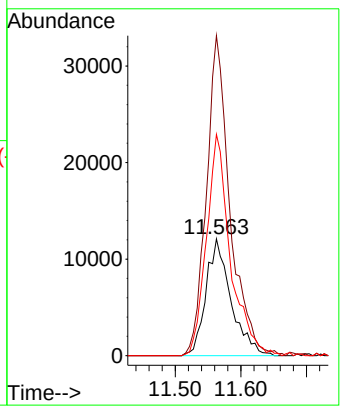
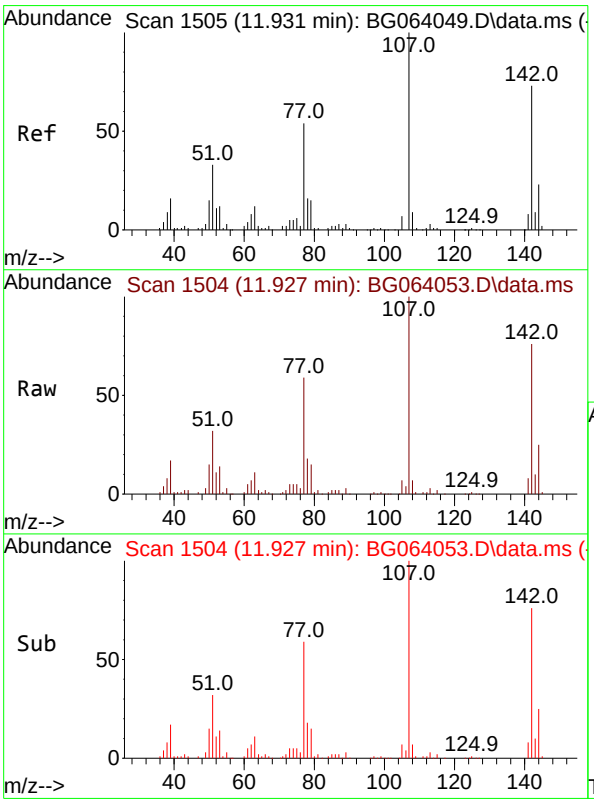
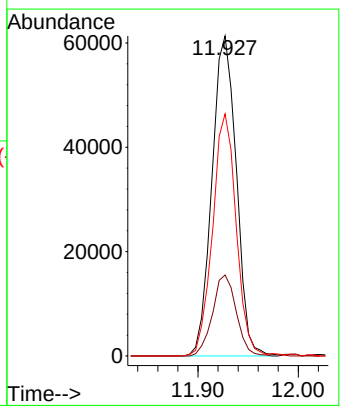


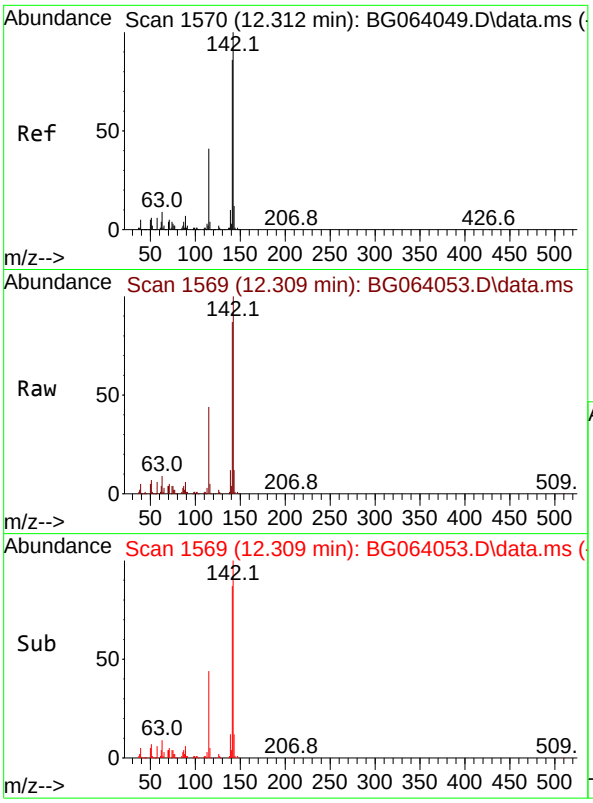


#36
4-Chloro-3-methylphenol
Concen: 39.649 ng
RT: 11.927 min Scan# 1504
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:107 Resp: 103382

Ion	Ratio	Lower	Upper
107	100		
144	25.3	18.6	28.0
142	75.7	58.0	87.0

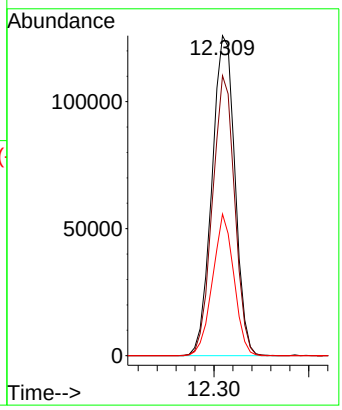




#37
2-Methylnaphthalene
Concen: 38.463 ng
RT: 12.309 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:142 Resp: 21243

Ion	Ratio	Lower	Upper
142	100		
141	87.5	68.6	103.0
115	44.2	32.8	49.2



Instrument :
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ClientSampleId :
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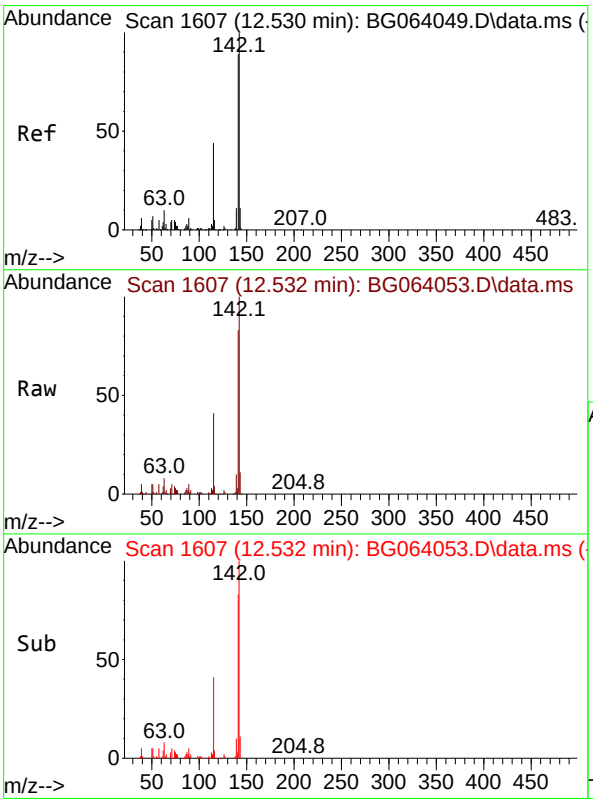
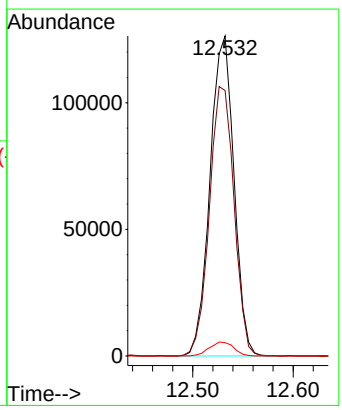
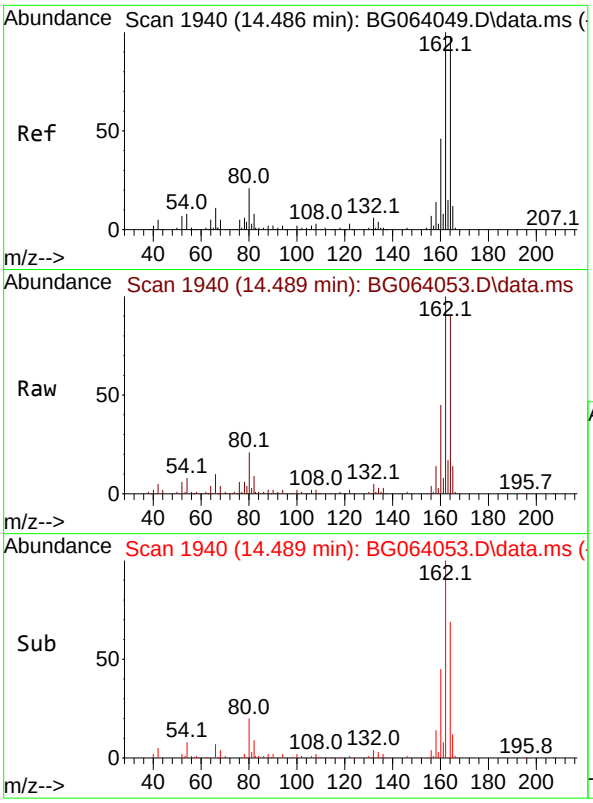


#38
1-Methylnaphthalene
Concen: 38.724 ng
RT: 12.532 min Scan# 1607
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:142 Resp: 209530

Ion	Ratio	Lower	Upper
142	100		
141	83.0	71.2	106.8
116	4.1	3.6	5.4

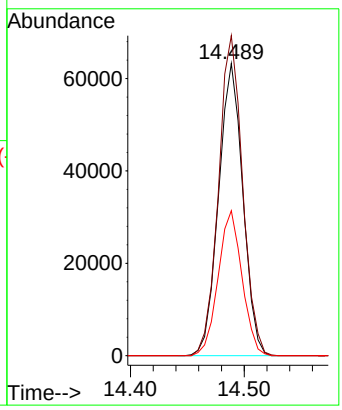




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.489 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:164 Resp: 9372

Ion	Ratio	Lower	Upper
164	100		
162	109.5	81.4	122.0
160	49.6	37.0	55.6



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

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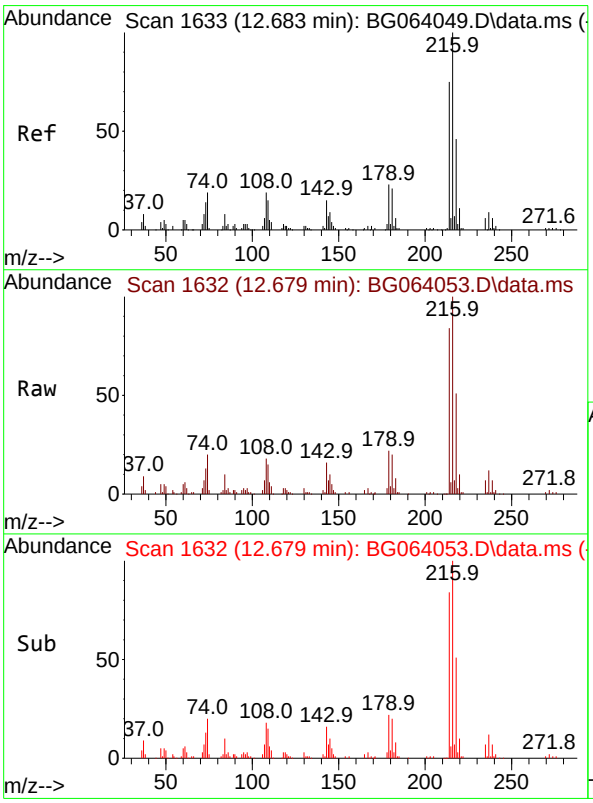
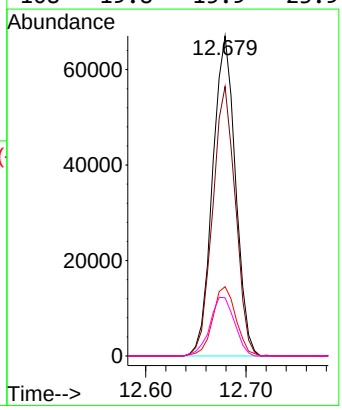
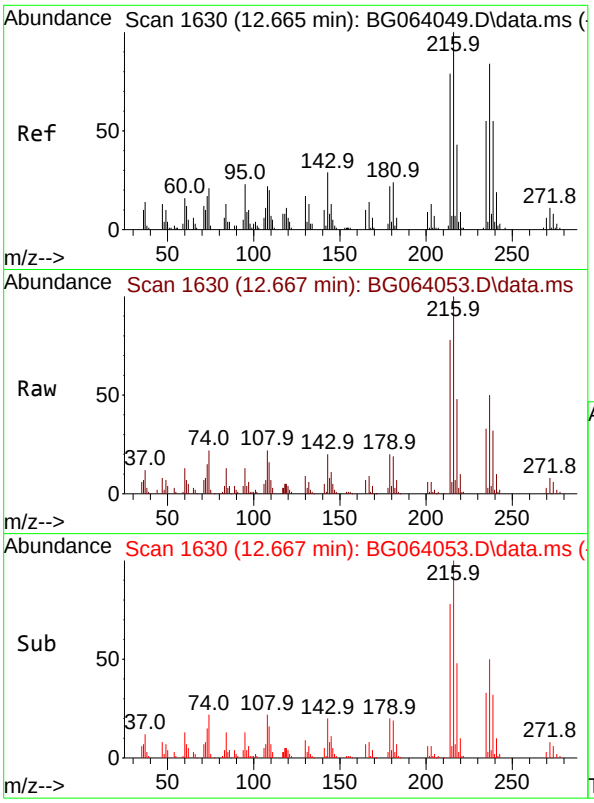


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.630 ng
RT: 12.679 min Scan# 1632
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:216 Resp: 106041

Ion	Ratio	Lower	Upper
216	100		
214	83.5	61.7	92.5
179	22.0	17.9	26.9
108	19.8	15.9	23.9

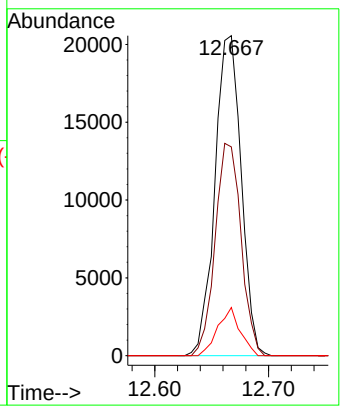




#41
Hexachlorocyclopentadiene
Concen: 43.873 ng
RT: 12.667 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:237 Resp: 3304

Ion	Ratio	Lower	Upper
237	100		
235	65.3	46.0	86.0
272	15.0	0.0	32.8



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

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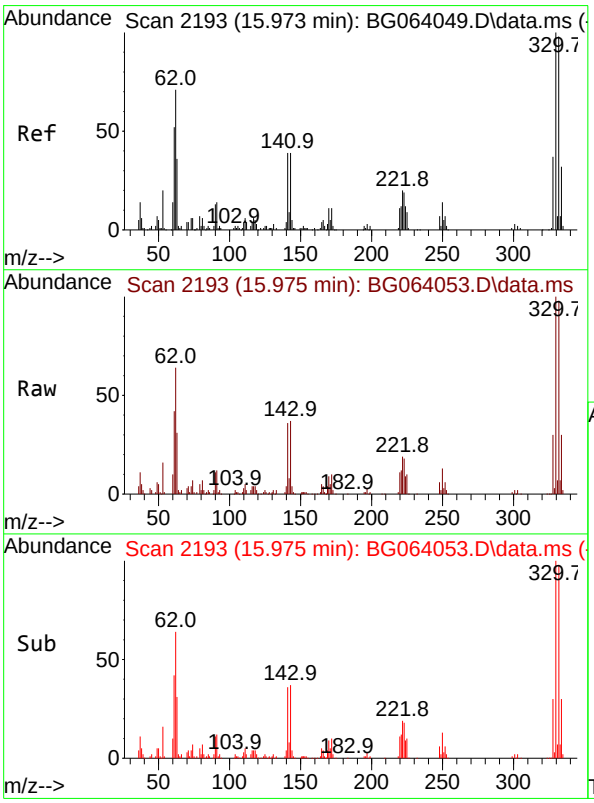
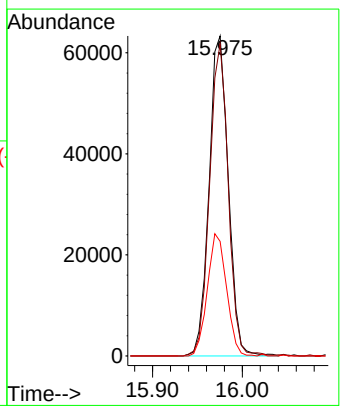
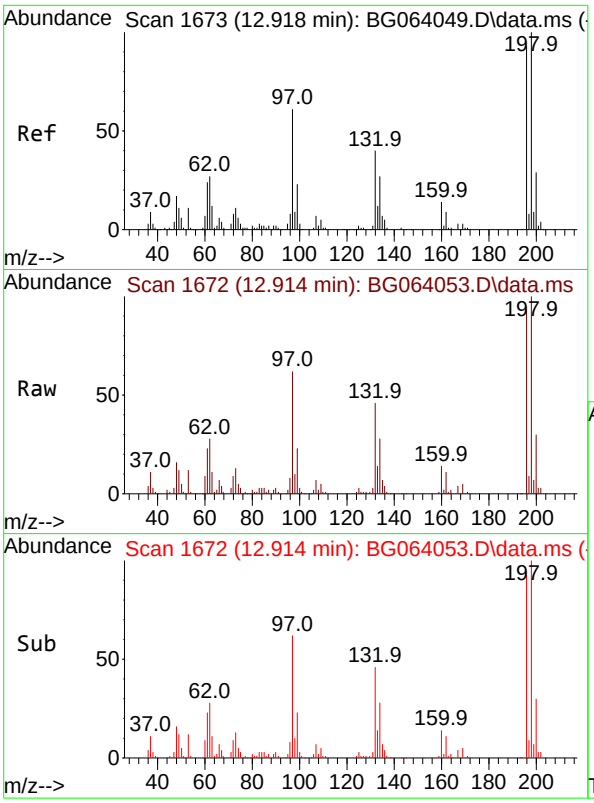


#42
2,4,6-Tribromophenol
Concen: 90.311 ng
RT: 15.975 min Scan# 2193
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:330 Resp: 94089

Ion	Ratio	Lower	Upper
330	100		
332	94.7	76.7	115.1
141	38.2	29.7	44.5

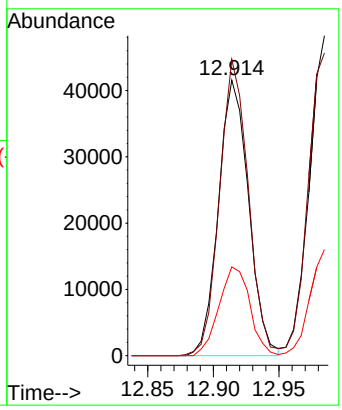




#43
2,4,6-Trichlorophenol
Concen: 42.165 ng
RT: 12.914 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:196 Resp: 6649

Ion	Ratio	Lower	Upper
196	100		
198	107.5	85.6	128.4
200	32.2	24.6	37.0



Instrument :
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ClientSampleId :
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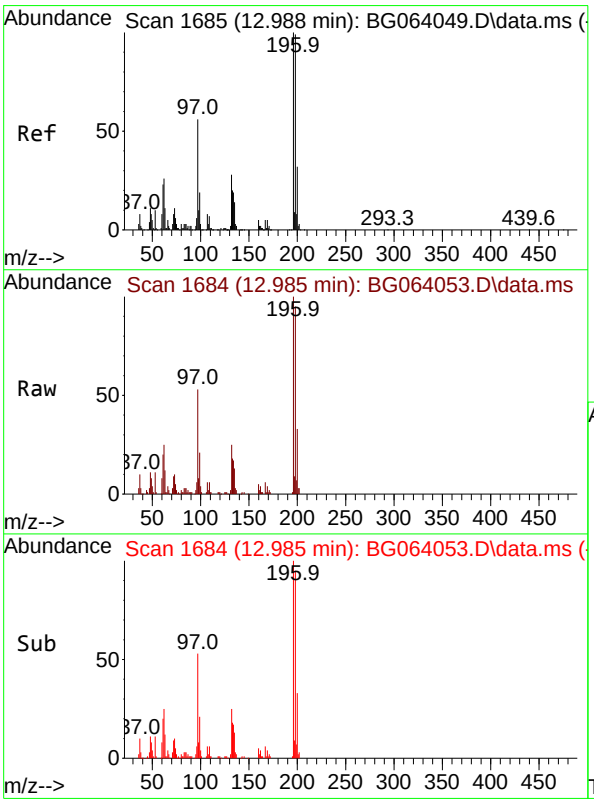
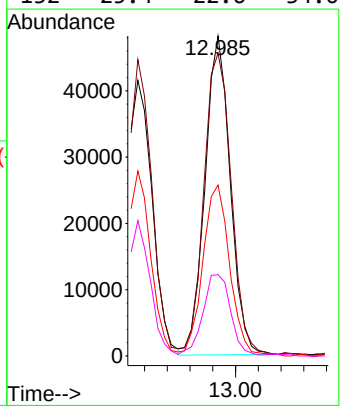
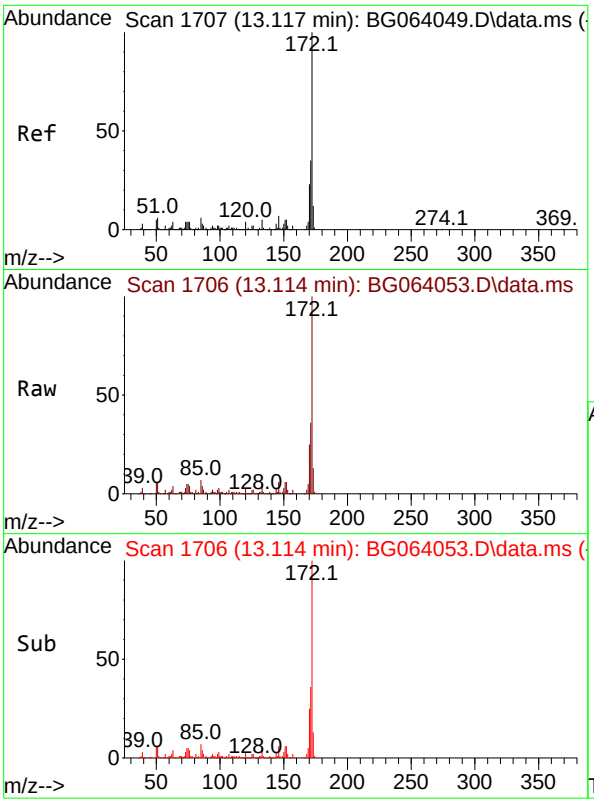


#44
2,4,5-Trichlorophenol
Concen: 42.561 ng
RT: 12.985 min Scan# 1684
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:196 Resp: 74580

Ion	Ratio	Lower	Upper
196	100		
198	94.6	79.5	119.3
97	53.4	45.2	67.8
132	25.4	22.6	34.0

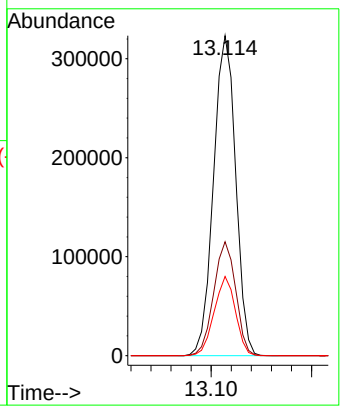




#45
2-Fluorobiphenyl
Concen: 80.186 ng
RT: 13.114 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:172 Resp: 49512

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.0	42.0
170	24.7	18.7	28.1



Instrument :
BNA_G
ClientSampleId :
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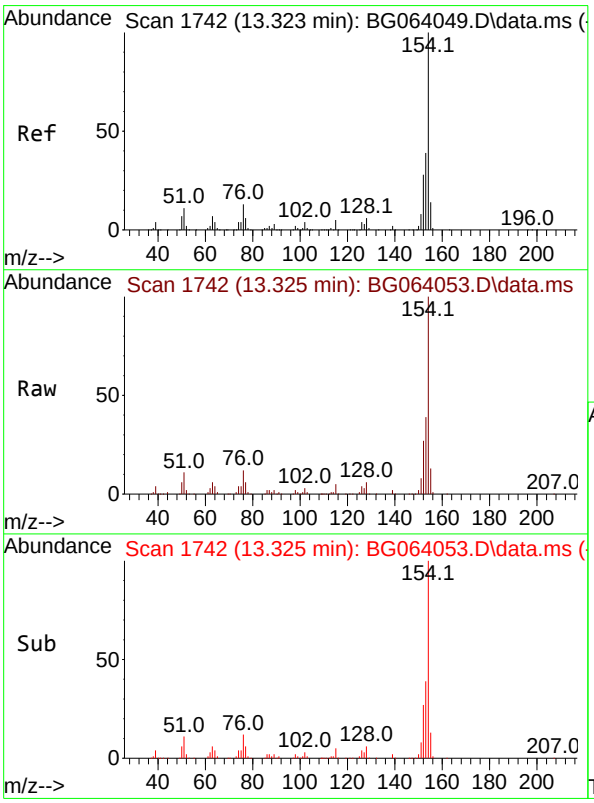
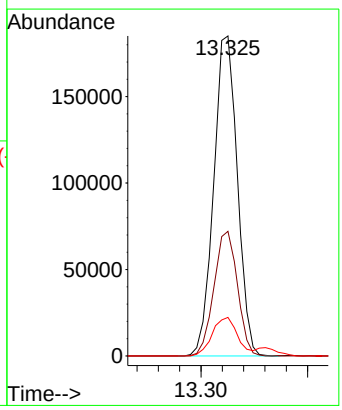
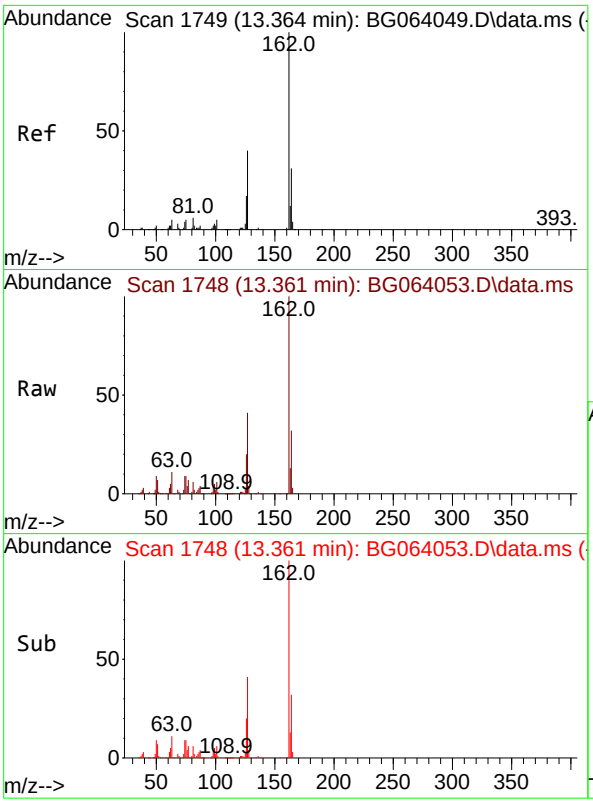


#46
1,1'-Biphenyl
Concen: 40.196 ng
RT: 13.325 min Scan# 1742
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:154 Resp: 284632

Ion	Ratio	Lower	Upper
154	100		
153	38.9	19.5	59.5
76	12.0	0.0	33.5

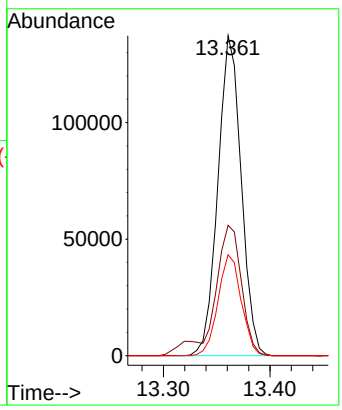




#47
2-Chloronaphthalene
Concen: 40.309 ng
RT: 13.361 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:162 Resp: 20817

Ion	Ratio	Lower	Upper
162	100		
127	40.8	35.0	52.4
164	31.6	25.0	37.6



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

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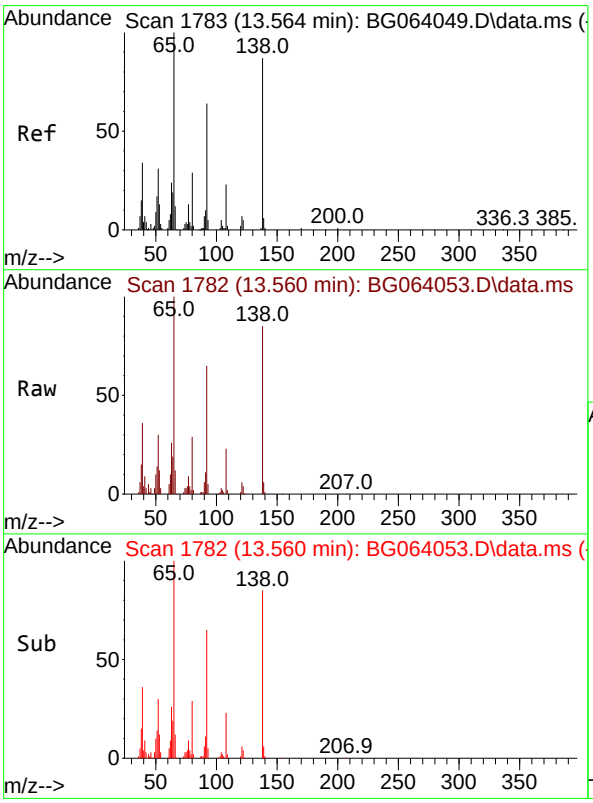
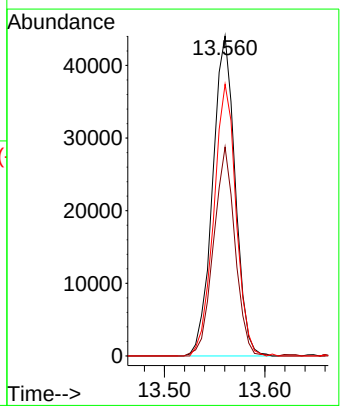
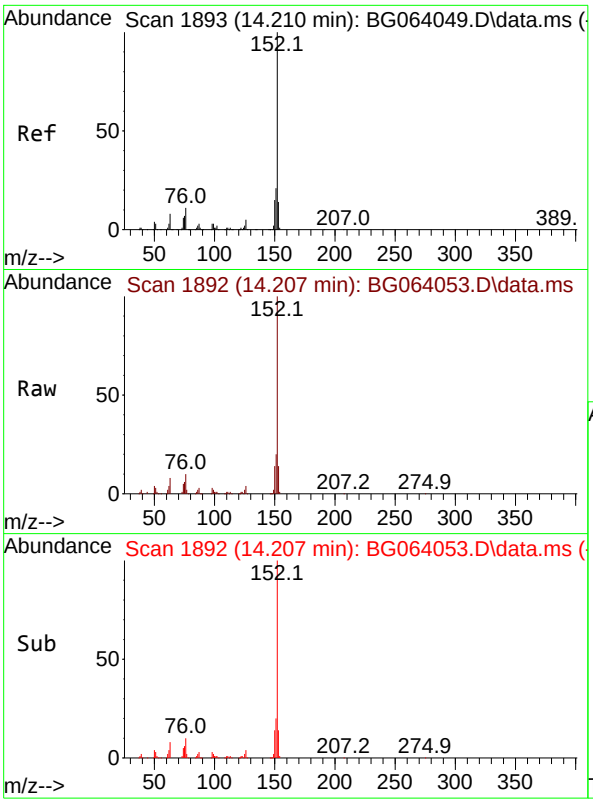


#48
2-Nitroaniline
Concen: 41.405 ng
RT: 13.560 min Scan# 1782
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion: 65 Resp: 68823

Ion	Ratio	Lower	Upper
65	100		
92	65.3	51.2	76.8
138	84.9	69.4	104.2

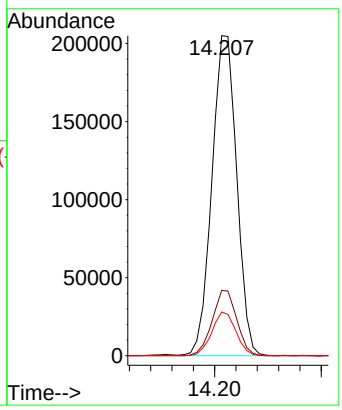




#49
Acenaphthylene
Concen: 40.537 ng
RT: 14.207 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:152 Resp: 33113

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.4	24.6
153	13.6	10.9	16.3



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

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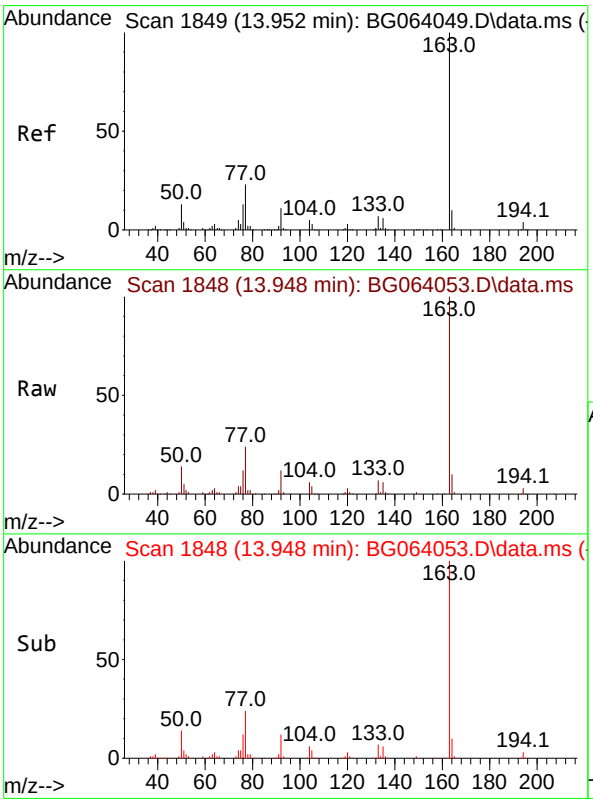
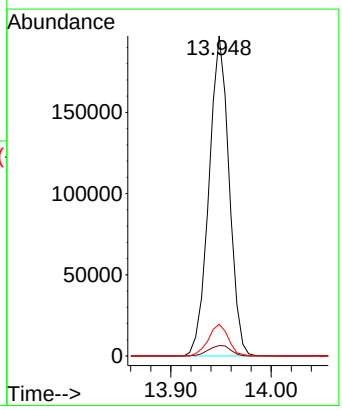
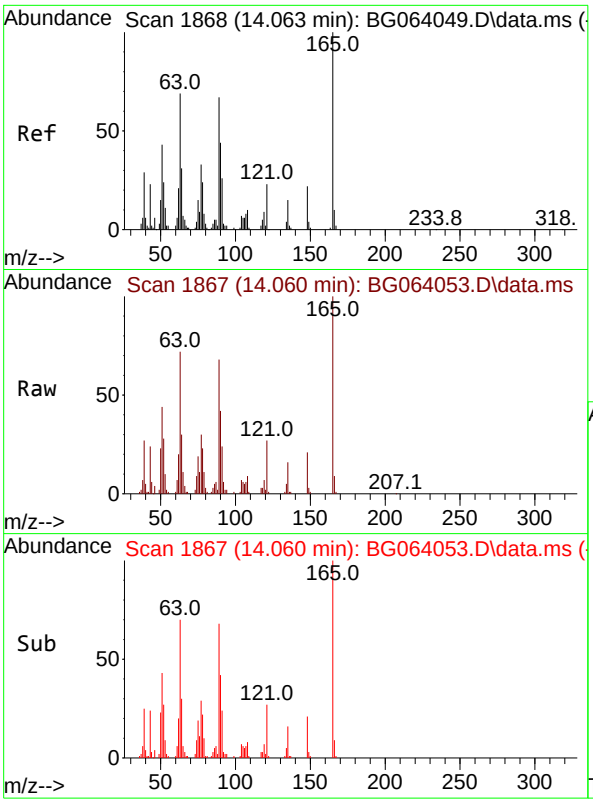


#50
Dimethylphthalate
Concen: 39.712 ng
RT: 13.948 min Scan# 1848
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:163 Resp: 274751

Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.8	4.2
164	9.9	8.2	12.2

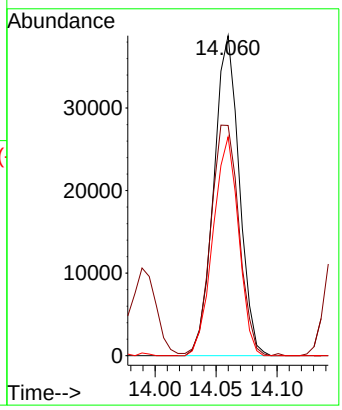




#51
2,6-Dinitrotoluene
Concen: 40.625 ng
RT: 14.060 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:165 Resp: 5624

Ion	Ratio	Lower	Upper
165	100		
63	72.0	56.7	85.1
89	68.4	53.7	80.5



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

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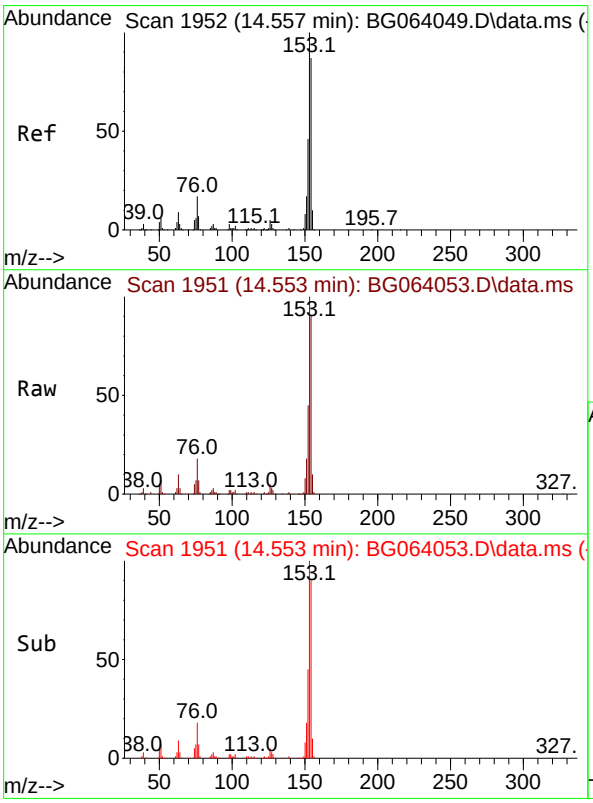
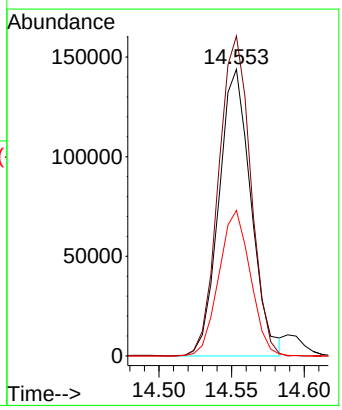
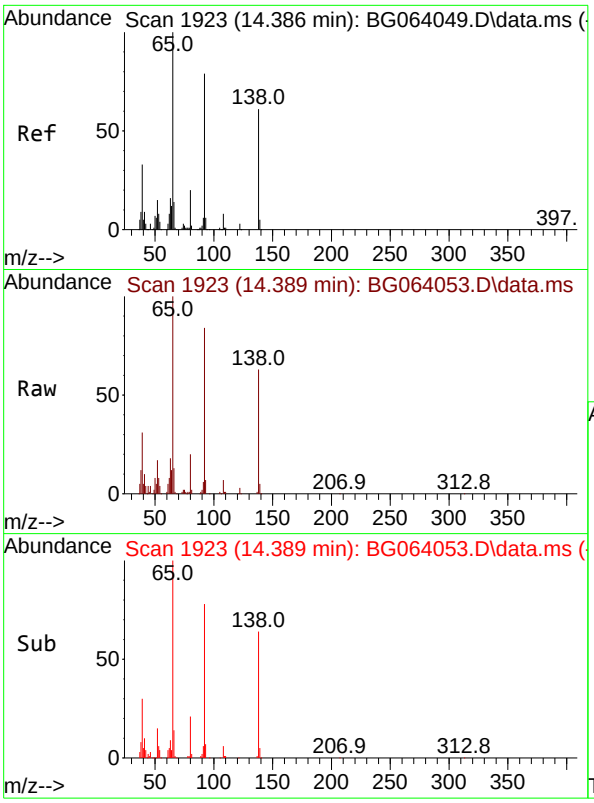


#52
Acenaphthene
Concen: 40.428 ng m
RT: 14.553 min Scan# 1951
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:154 Resp: 221628

Ion	Ratio	Lower	Upper
154	100		
153	111.6	91.6	137.4
152	50.8	42.5	63.7

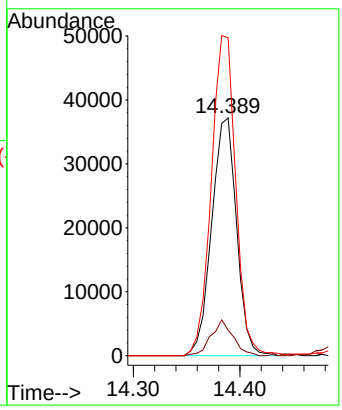




#53
3-Nitroaniline
Concen: 45.042 ng
RT: 14.389 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:138 Resp: 6022

Ion	Ratio	Lower	Upper
138	100		
108	10.8	10.1	15.1
92	133.7	104.1	156.1



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

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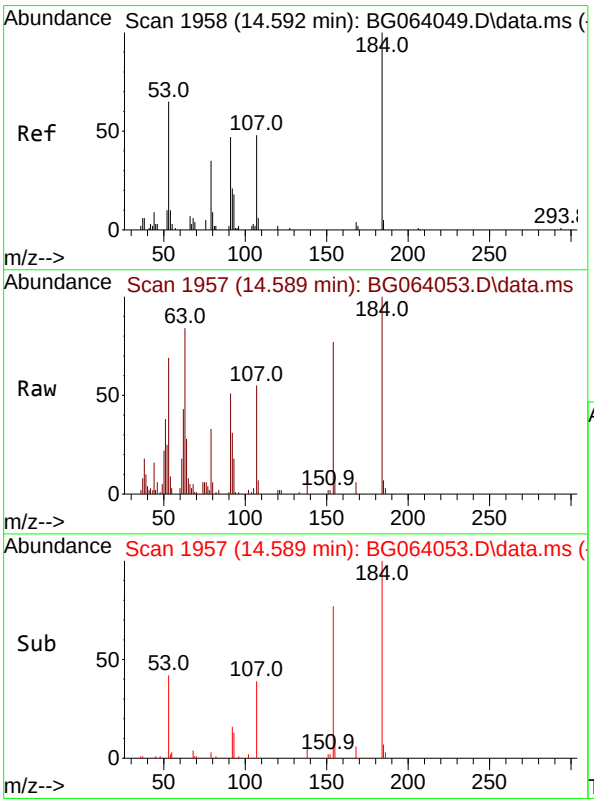
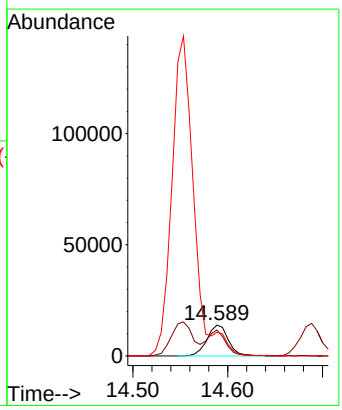
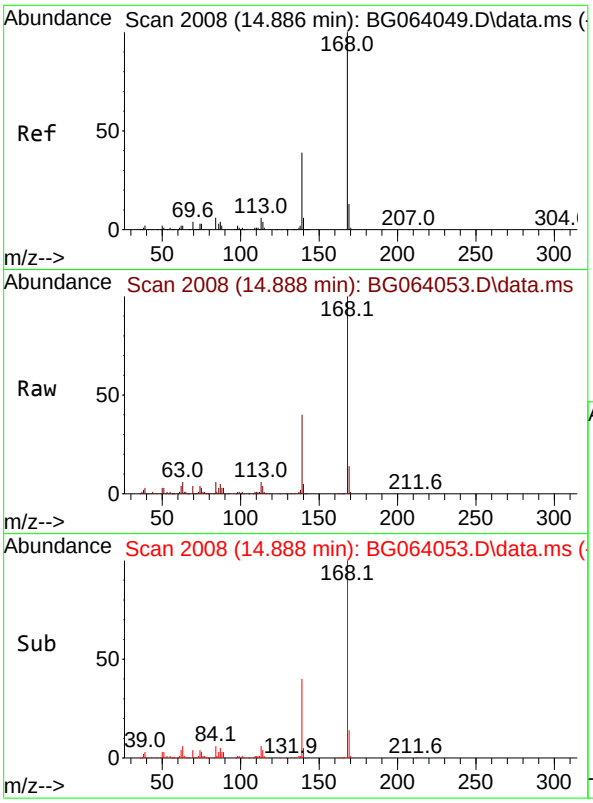


#54
2,4-Dinitrophenol
Concen: 41.197 ng
RT: 14.589 min Scan# 1957
Delta R.T. -0.003 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:184 Resp: 21627

Ion	Ratio	Lower	Upper
184	100		
63	84.0	57.5	86.3
154	76.8	52.3	78.5

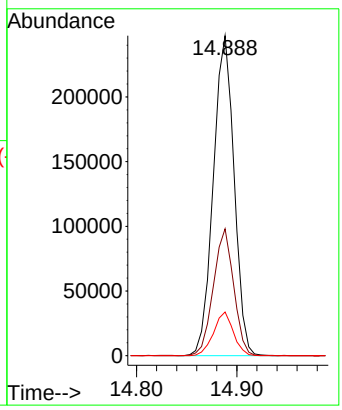




#55
Dibenzofuran
Concen: 40.014 ng
RT: 14.888 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:168 Resp: 35536

Ion	Ratio	Lower	Upper
168	100		
139	39.6	31.1	46.7
169	13.7	10.5	15.7



Instrument :
BNA_G
ClientSampleId :
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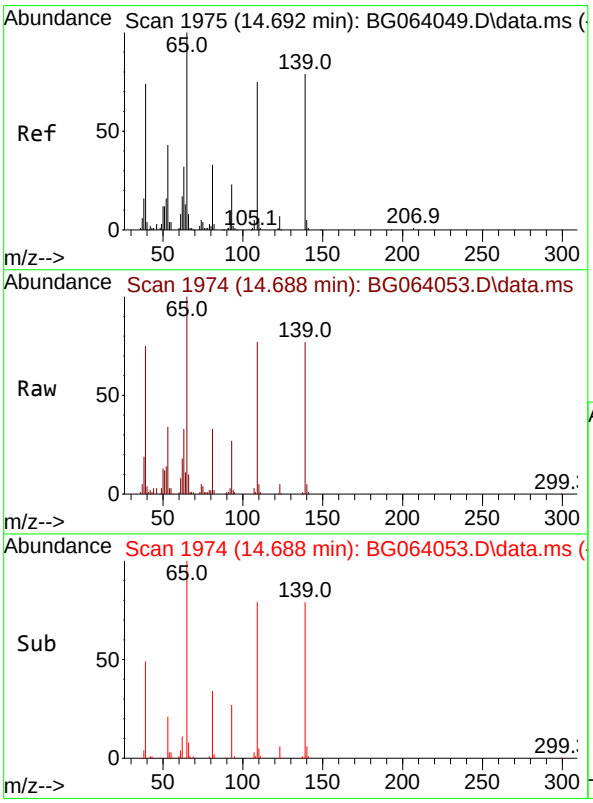
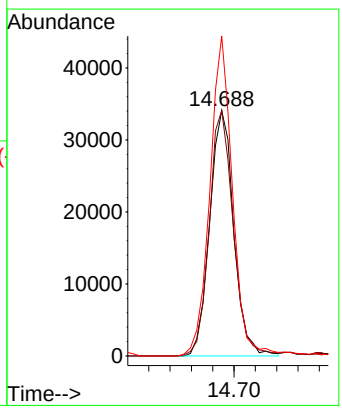
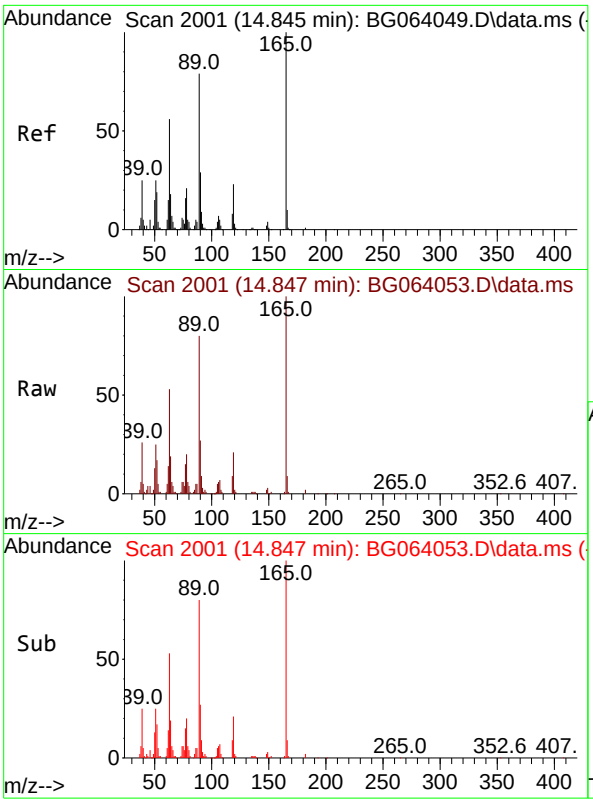


#56
4-Nitrophenol
Concen: 47.537 ng
RT: 14.688 min Scan# 1974
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:139 Resp: 53310

Ion	Ratio	Lower	Upper
139	100		
109	100.1	74.9	114.9
65	130.4	106.8	146.8

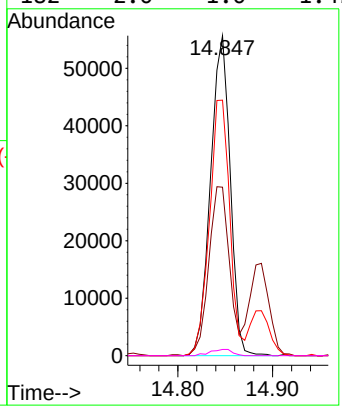




#57
2,4-Dinitrotoluene
Concen: 41.944 ng
RT: 14.847 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:165 Resp: 8026

Ion	Ratio	Lower	Upper
165	100		
63	52.7	45.0	67.6
89	79.8	63.1	94.7
182	2.0	1.0	1.4#



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

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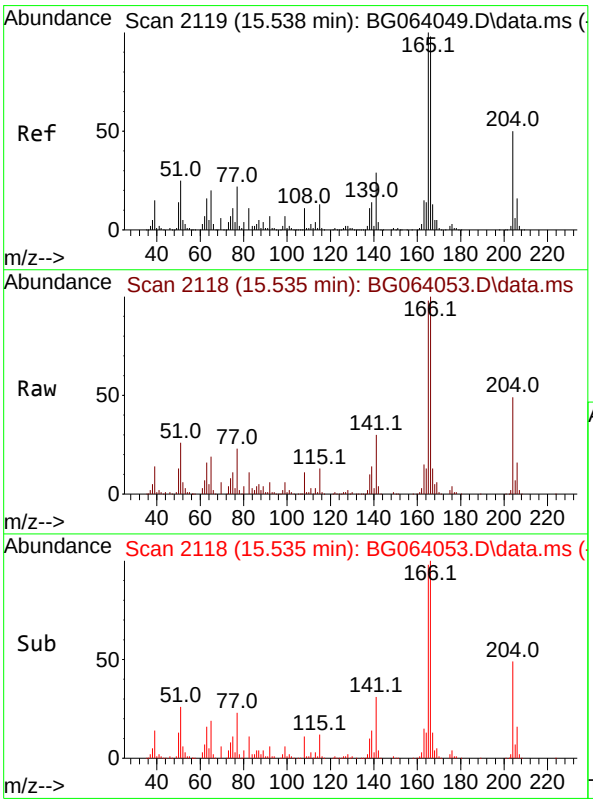
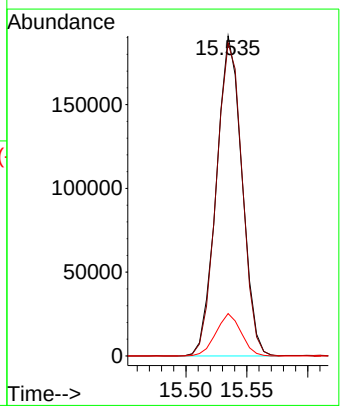
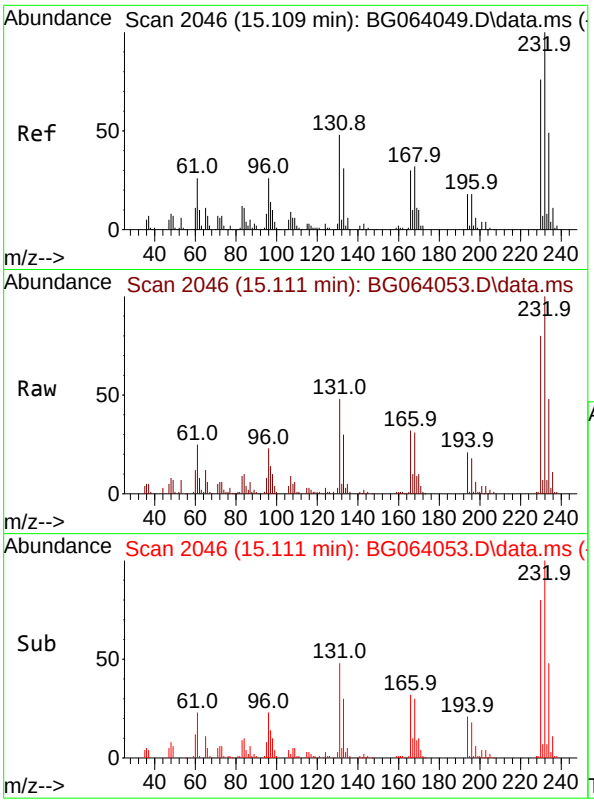


#58
Fluorene
Concen: 40.403 ng
RT: 15.535 min Scan# 2118
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:166 Resp: 279465

Ion	Ratio	Lower	Upper
166	100		
165	97.8	81.8	122.8
167	13.3	10.8	16.2

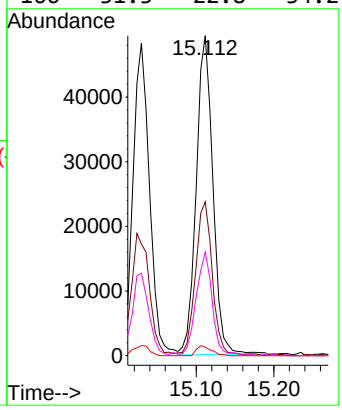




#59
2,3,4,6-Tetrachlorophenol
Concen: 43.068 ng
RT: 15.111 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:232 Resp: 7357

Ion	Ratio	Lower	Upper
232	100		
131	47.7	36.3	54.5
130	2.8	1.9	2.9
166	31.3	22.8	34.2



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

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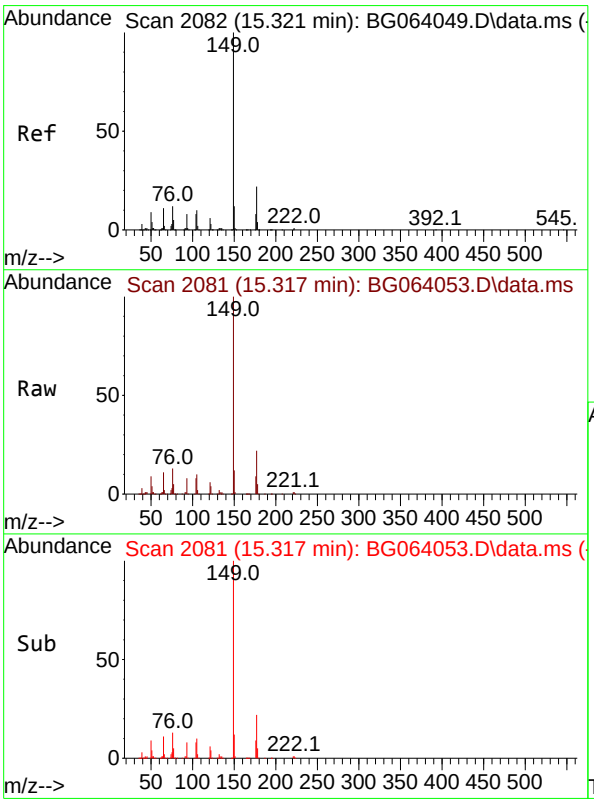
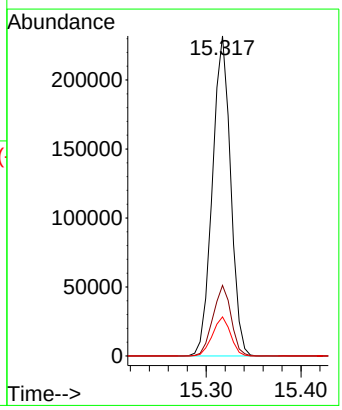
Supervised By :mohammad ahmed 03/07/2025

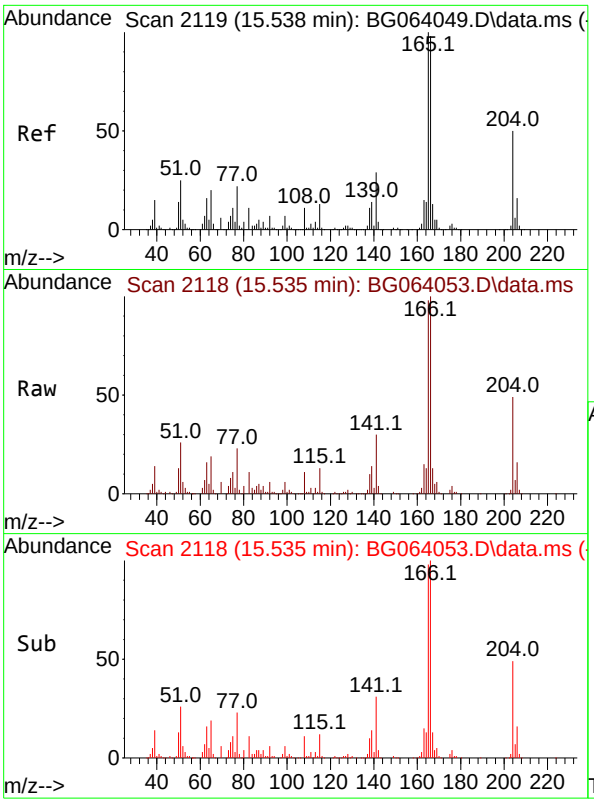


#60
Diethylphthalate
Concen: 41.198 ng
RT: 15.317 min Scan# 2081
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:149 Resp: 309434

Ion	Ratio	Lower	Upper
149	100		
177	22.0	17.4	26.2
150	12.2	9.4	14.2

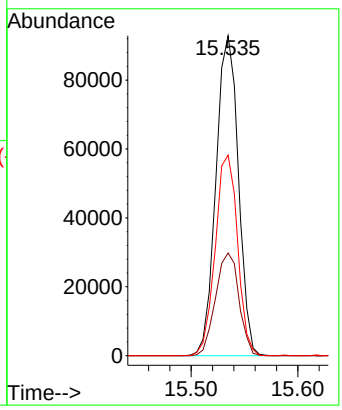




#61
4-Chlorophenyl-phenylether
Concen: 39.367 ng
RT: 15.535 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:204 Resp: 13531

Ion	Ratio	Lower	Upper
204	100		
206	32.1	25.5	38.3
141	62.7	45.4	68.0



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

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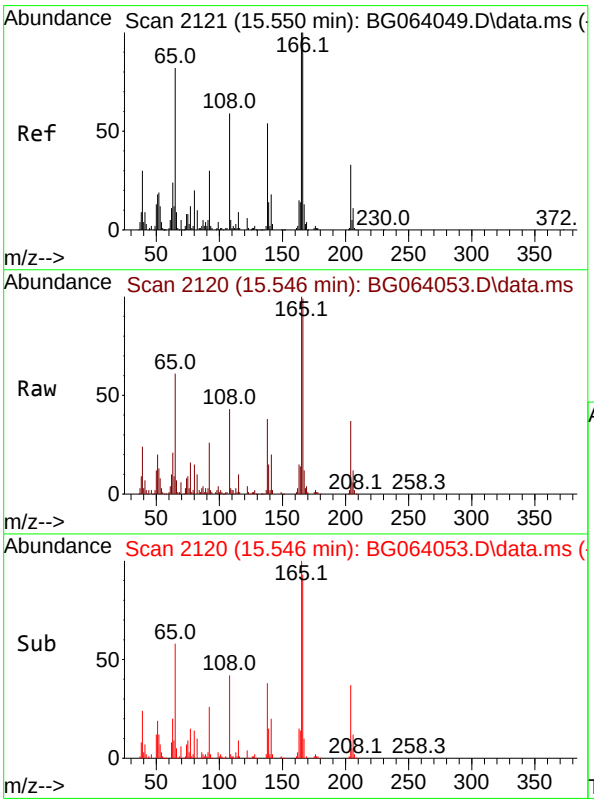
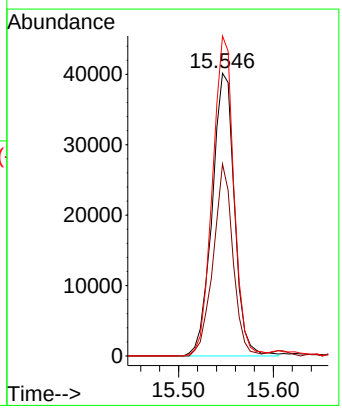
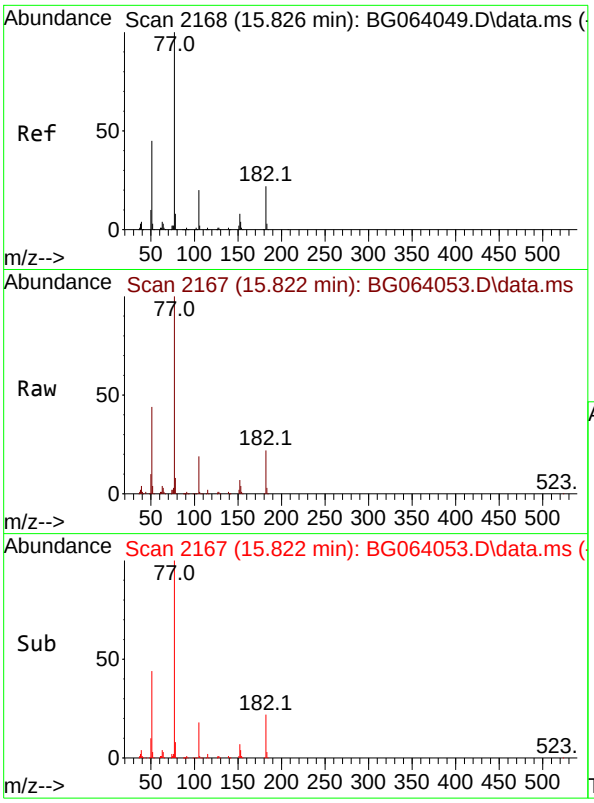


#62
4-Nitroaniline
Concen: 45.576 ng
RT: 15.546 min Scan# 2120
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:138 Resp: 65797

Ion	Ratio	Lower	Upper
138	100		
92	67.9	36.1	76.1
108	113.2	87.9	127.9

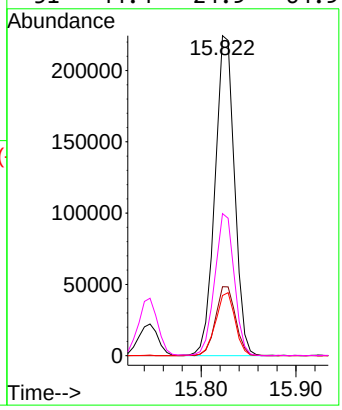




#63
Azobenzene
Concen: 40.137 ng
RT: 15.822 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion: 77 Resp: 32168

Ion	Ratio	Lower	Upper
77	100		
182	21.5	2.4	42.4
105	18.8	0.0	40.0
51	44.4	24.9	64.9



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

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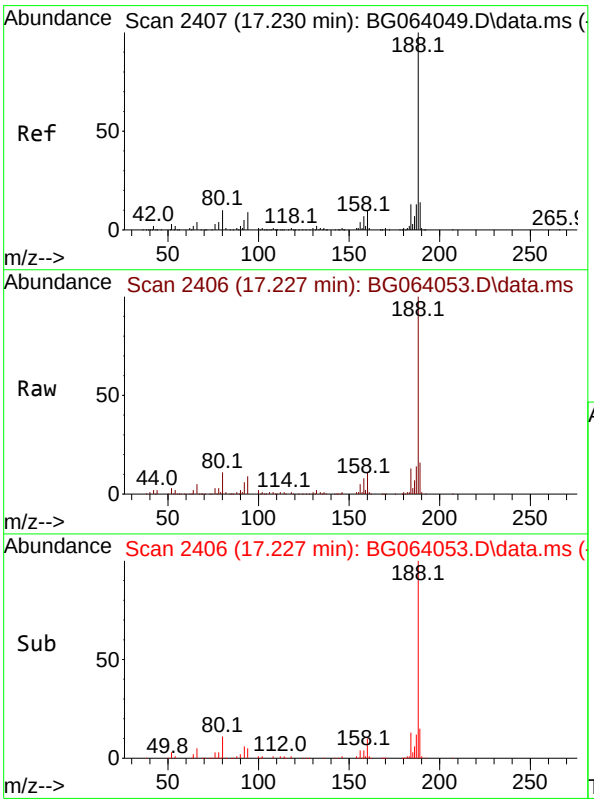
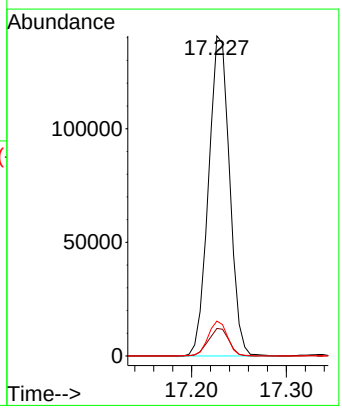
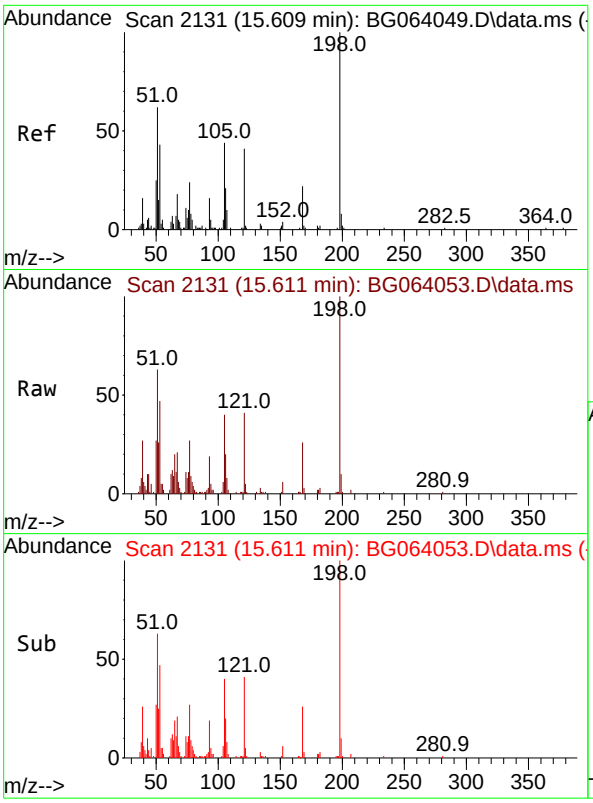


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.227 min Scan# 2406
Delta R.T. -0.003 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:188 Resp: 217148

Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.9	10.3
80	10.9	8.1	12.1

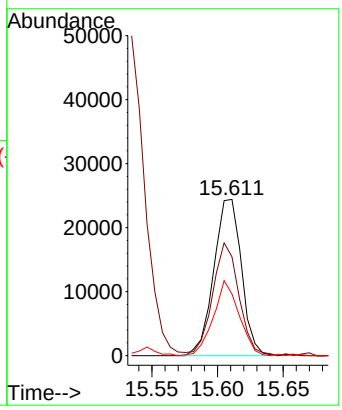




#65
4,6-Dinitro-2-methylphenol
Concen: 39.817 ng
RT: 15.611 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:198 Resp: 3577

Ion	Ratio	Lower	Upper
198	100		
51	63.3	45.6	85.6
105	39.5	25.3	65.3



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

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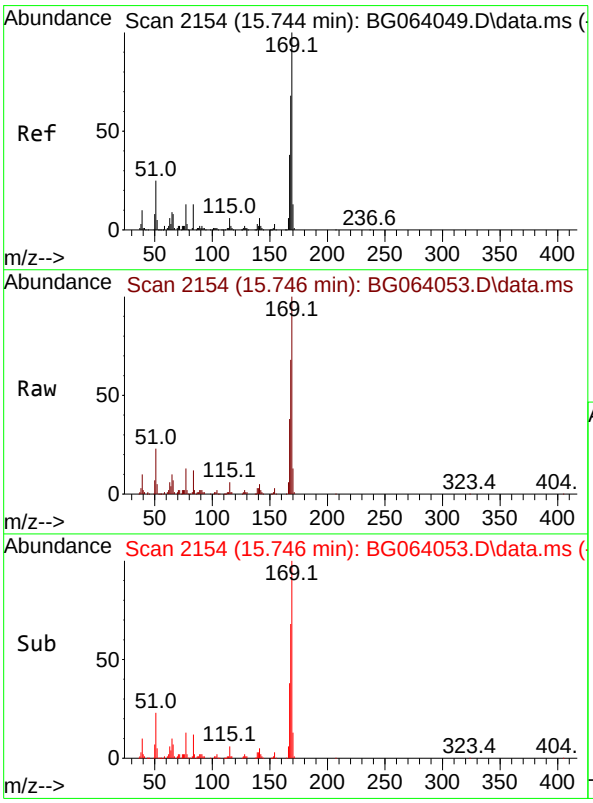
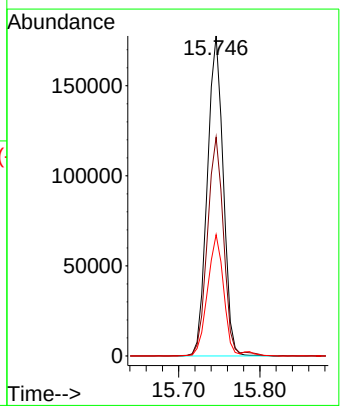
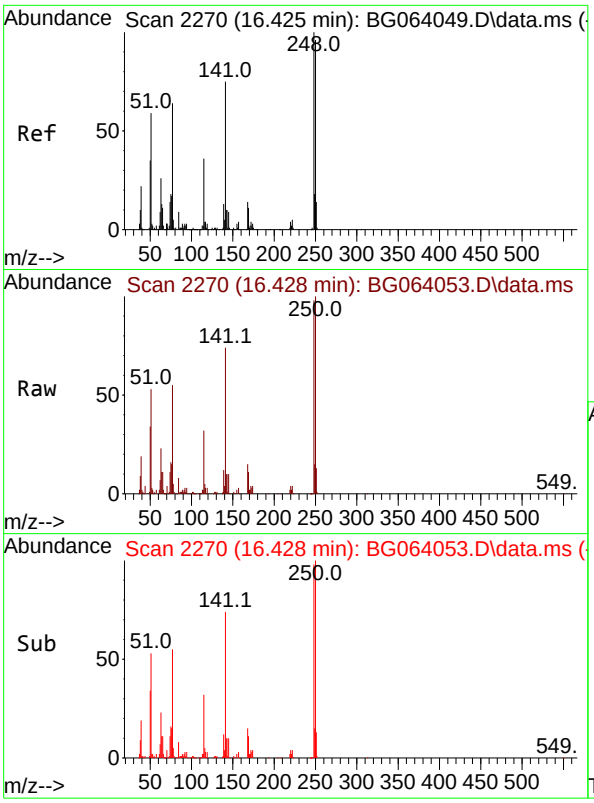


#66
n-Nitrosodiphenylamine
Concen: 39.248 ng
RT: 15.746 min Scan# 2154
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:169 Resp: 241241

Ion	Ratio	Lower	Upper
169	100		
168	68.4	54.1	81.1
167	37.9	30.3	45.5





#67
4-Bromophenyl-phenylether
Concen: 39.772 ng
RT: 16.428 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Tgt Ion:248 Resp: 8845

Ion	Ratio	Lower	Upper
248	100		
250	101.6	77.1	115.7
141	75.0	59.8	89.8

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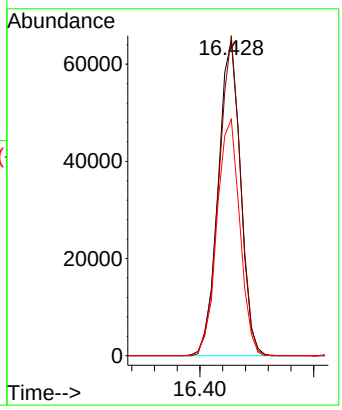
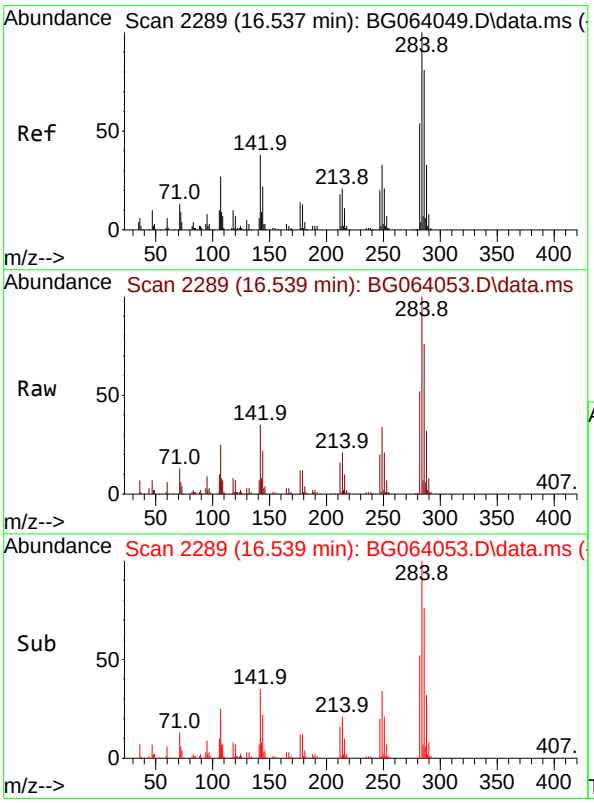
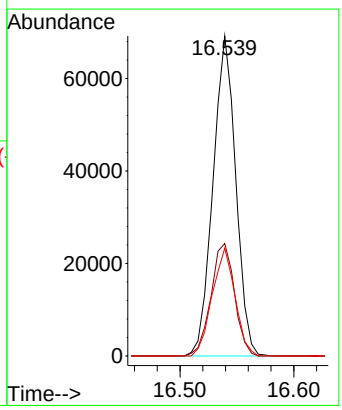


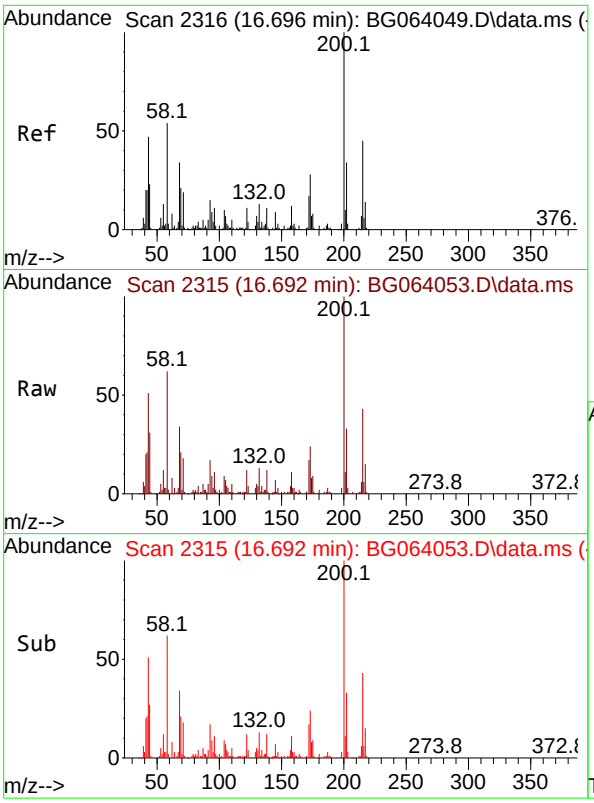


#68
Hexachlorobenzene
Concen: 38.611 ng
RT: 16.539 min Scan# 2289
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:284 Resp: 96136

Ion	Ratio	Lower	Upper
284	100		
142	35.2	30.6	45.8
249	33.7	26.6	39.8

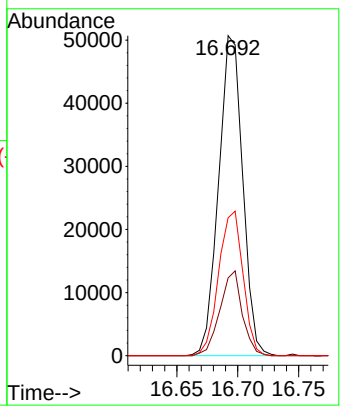




#69
Atrazine
Concen: 38.607 ng
RT: 16.692 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:200 Resp: 6982

Ion	Ratio	Lower	Upper
200	100		
173	24.3	8.2	48.2
215	43.1	25.5	65.5



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

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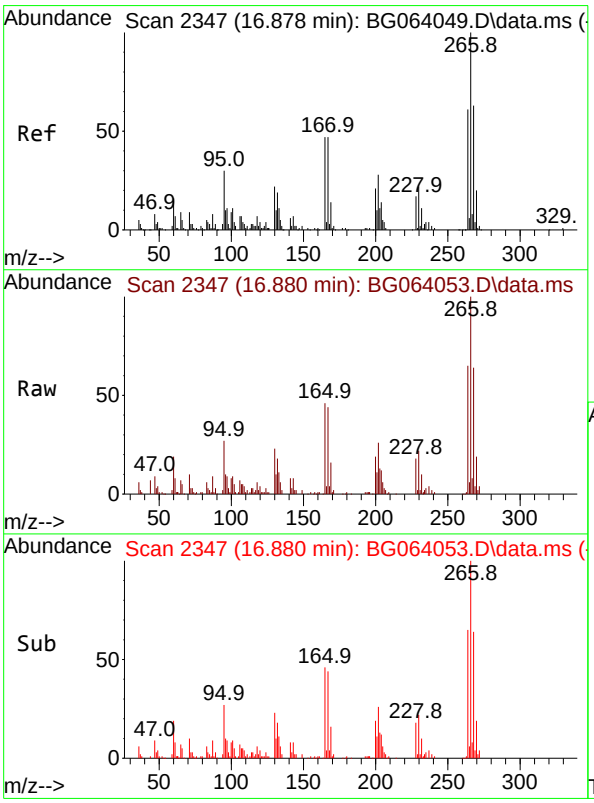
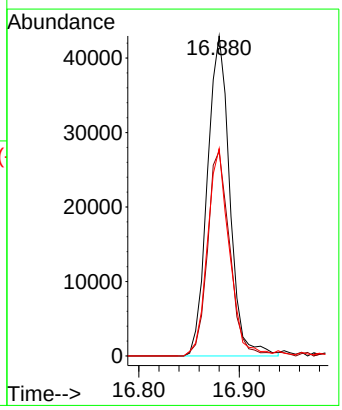
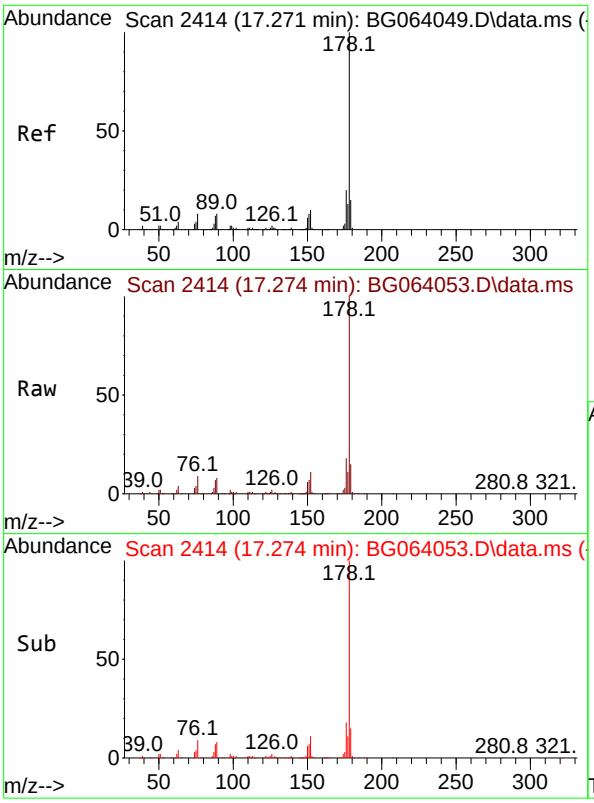


#70
Pentachlorophenol
Concen: 43.019 ng
RT: 16.880 min Scan# 2347
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:266 Resp: 66504

Ion	Ratio	Lower	Upper
266	100		
268	64.0	50.2	75.4
264	64.8	48.9	73.3

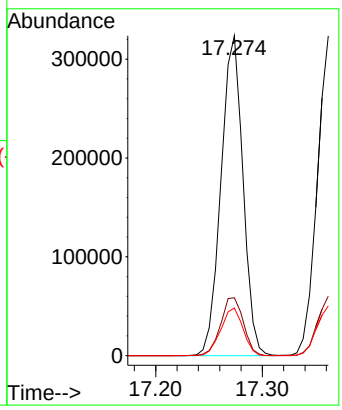




#71
Phenanthrene
Concen: 39.978 ng
RT: 17.274 min Scan# 24
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:178 Resp: 46302

Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.9	23.9
179	14.9	12.2	18.2



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

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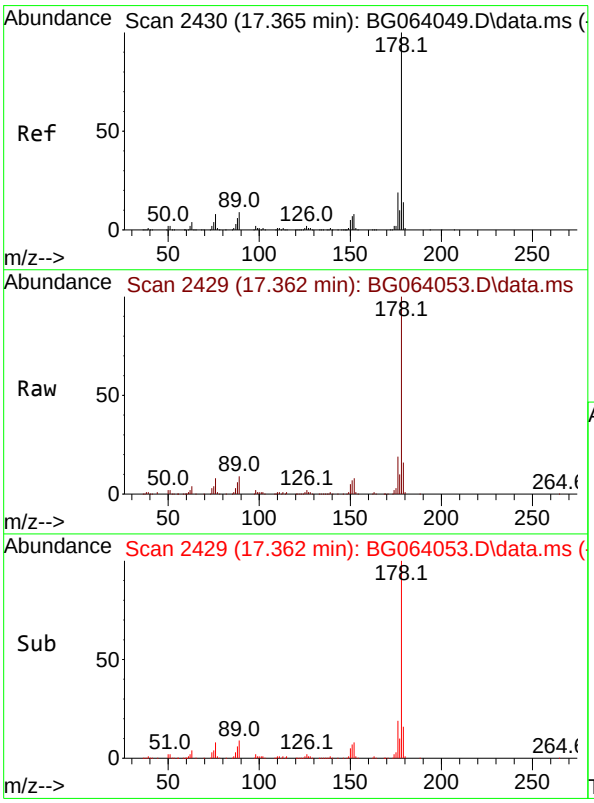
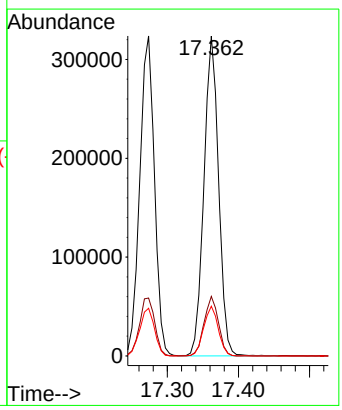
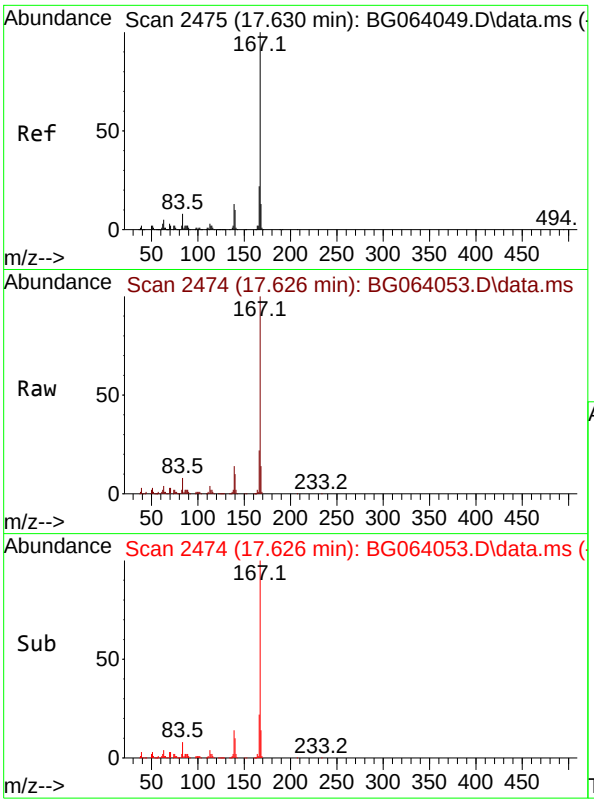


#72
Anthracene
Concen: 40.280 ng
RT: 17.362 min Scan# 2429
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:178 Resp: 463897

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.8	22.2
179	15.6	11.5	17.3

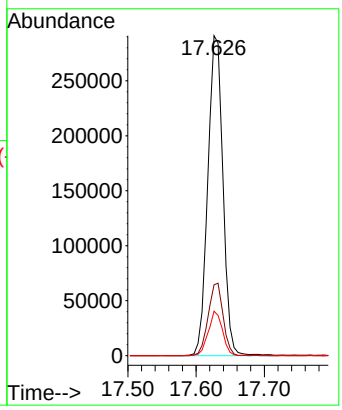




#73
Carbazole
Concen: 41.831 ng
RT: 17.626 min Scan# 24
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:167 Resp: 44980

Ion	Ratio	Lower	Upper
167	100		
166	22.2	18.0	27.0
139	13.9	10.6	15.8



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

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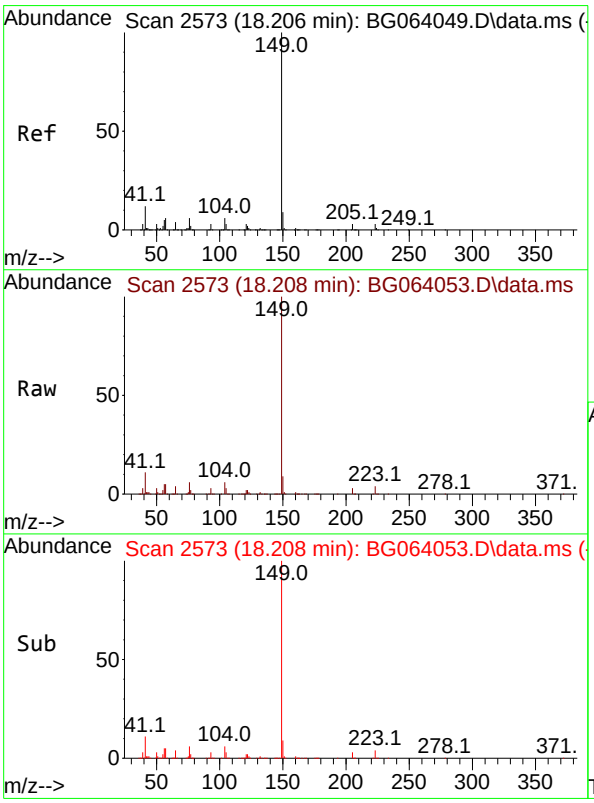
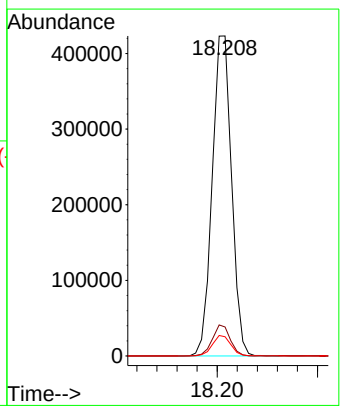
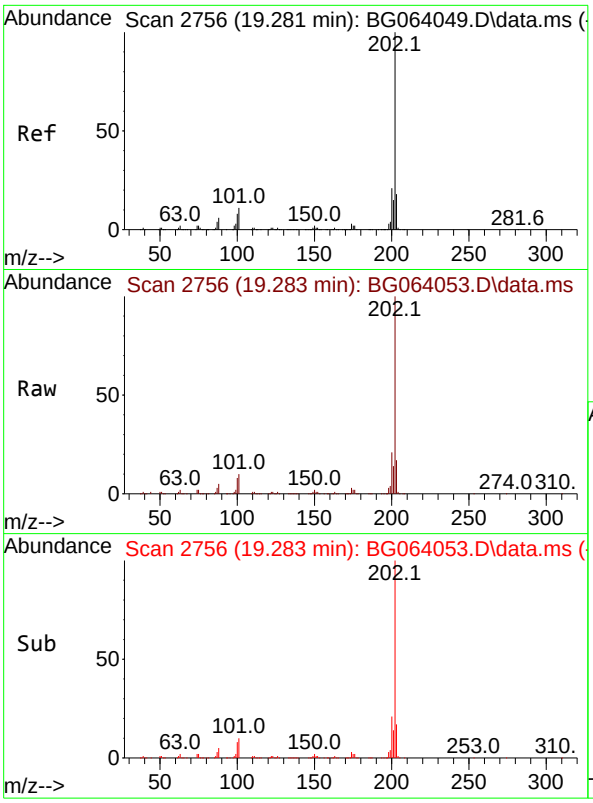


#74
Di-n-butylphthalate
Concen: 44.702 ng
RT: 18.208 min Scan# 2573
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:149 Resp: 565797

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.0
104	6.0	5.0	7.6





#75
Fluoranthene
Concen: 42.146 ng
RT: 19.283 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:202 Resp: 58849

Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	30.5
203	16.8	0.0	38.3

Instrument :
BNA_G
ClientSampleId :
ICVBG030525

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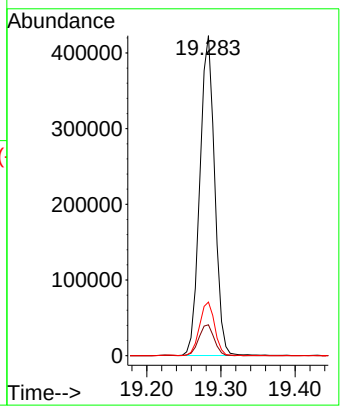
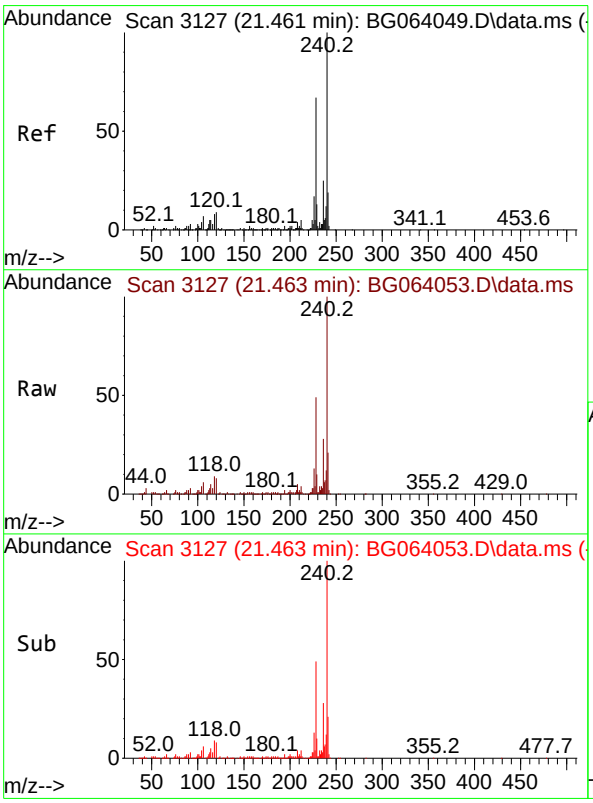
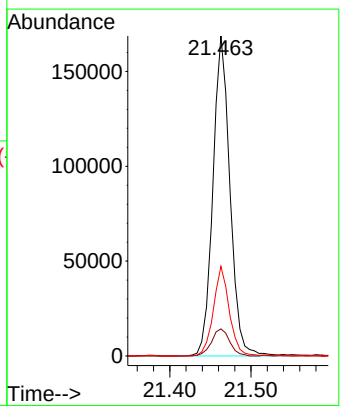


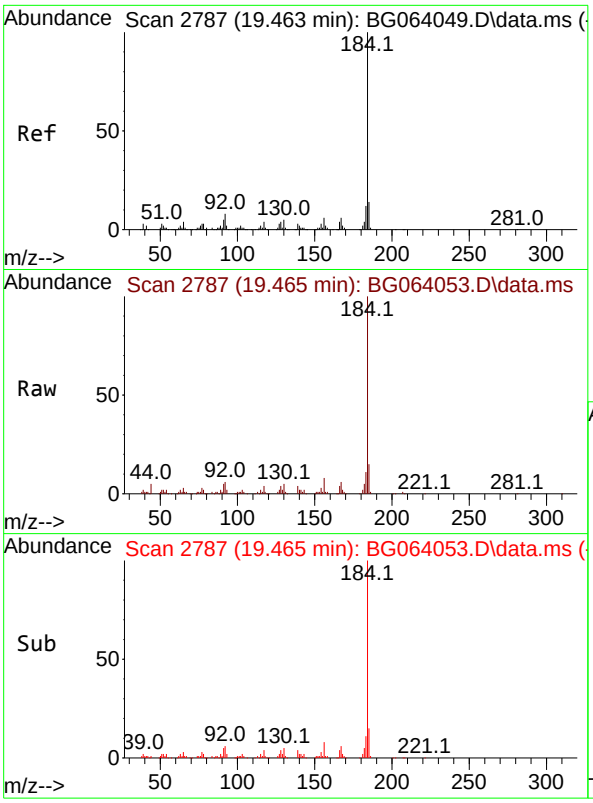


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.463 min Scan# 3127
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:240 Resp: 246166

Ion	Ratio	Lower	Upper
240	100		
120	8.5	7.2	10.8
236	28.0	20.2	30.2

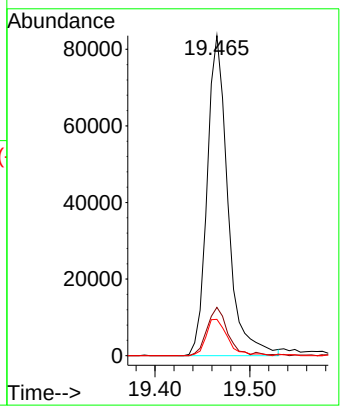




#77
Benzidine
Concen: 37.383 ng
RT: 19.465 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:184 Resp: 12742

Ion	Ratio	Lower	Upper
184	100		
185	15.1	11.3	16.9
183	11.3	9.5	14.3



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

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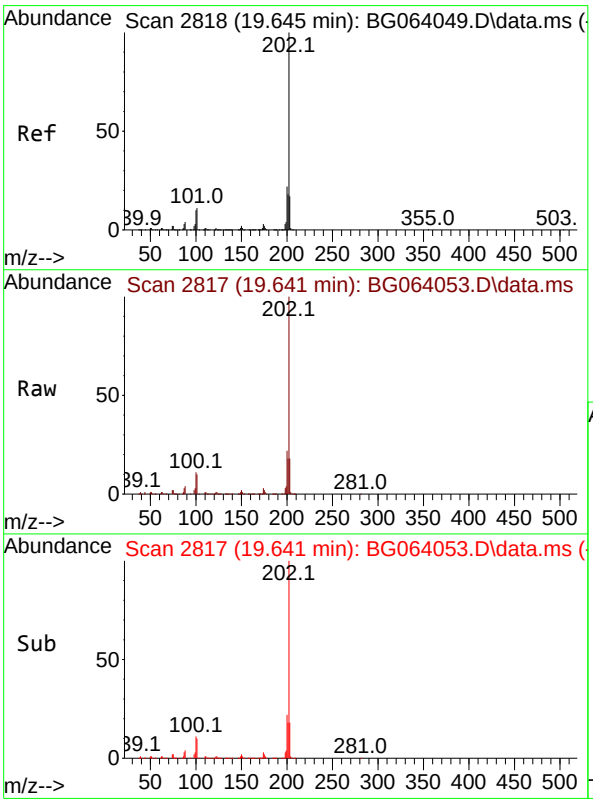
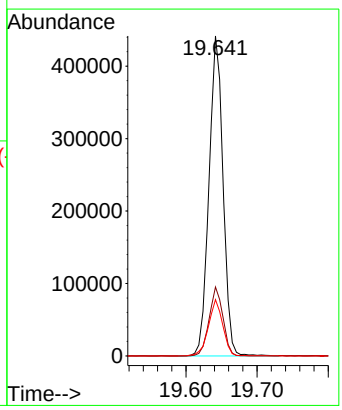
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

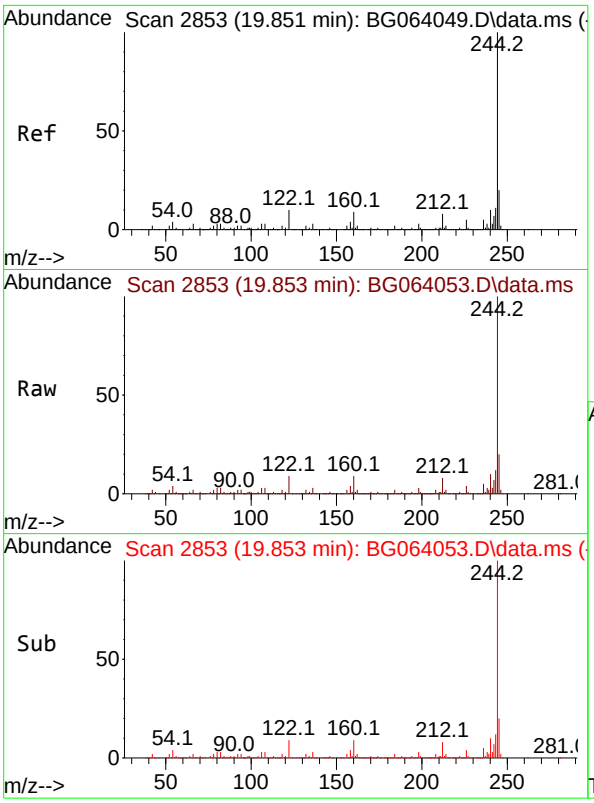


#78
Pyrene
Concen: 38.357 ng
RT: 19.641 min Scan# 2817
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:202 Resp: 608668

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.3	25.9
203	17.6	13.6	20.4

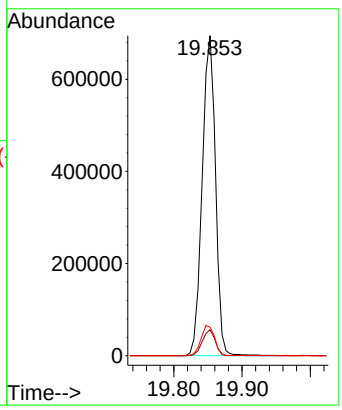




#79
Terphenyl-d14
Concen: 77.284 ng
RT: 19.853 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:244 Resp: 94088

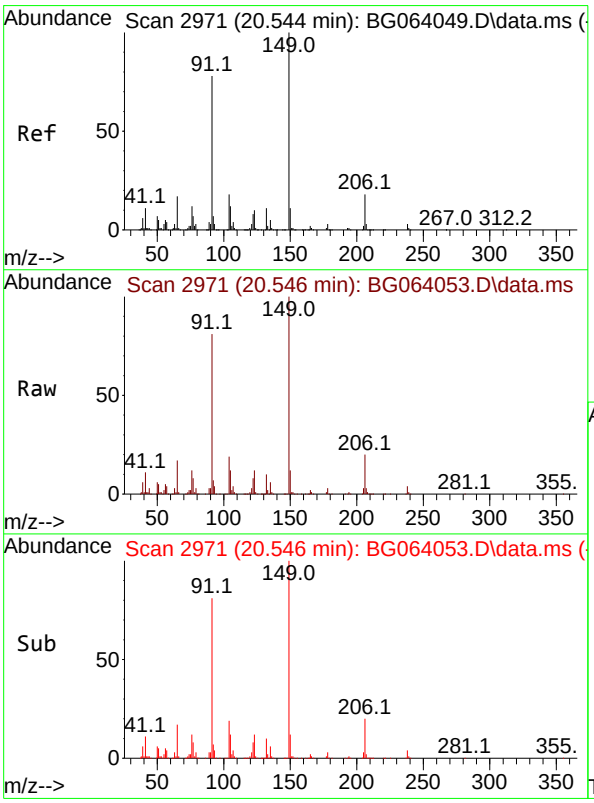
Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.2	9.4
122	8.9	8.0	12.0



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Manual Integrations
APPROVED

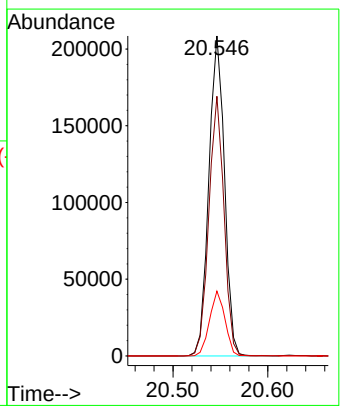
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

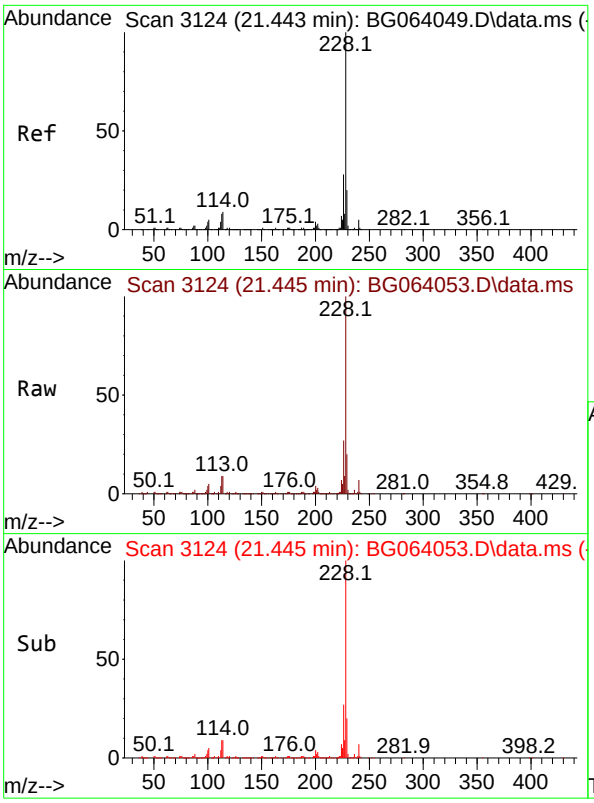


#80
Butylbenzylphthalate
Concen: 40.680 ng
RT: 20.546 min Scan# 2971
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:149 Resp: 238653

Ion	Ratio	Lower	Upper
149	100		
91	81.2	62.0	93.0
206	20.2	14.6	21.8

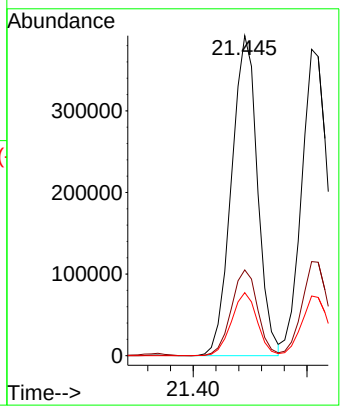




#81
Benzo(a)anthracene
Concen: 39.598 ng
RT: 21.445 min Scan# 3
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:228 Resp: 62440

Ion	Ratio	Lower	Upper
228	100		
226	26.8	22.2	33.2
229	19.7	16.4	24.6



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Manual Integrations
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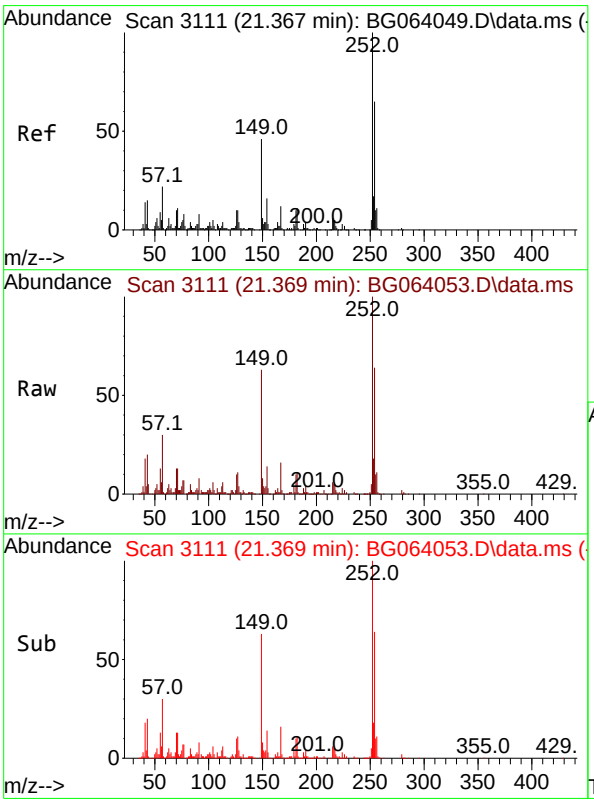
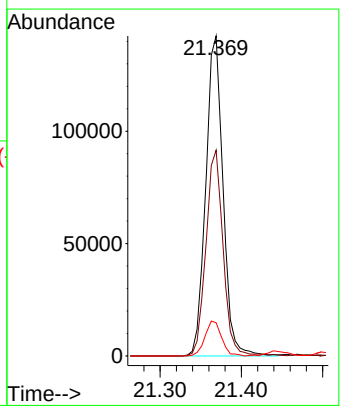
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

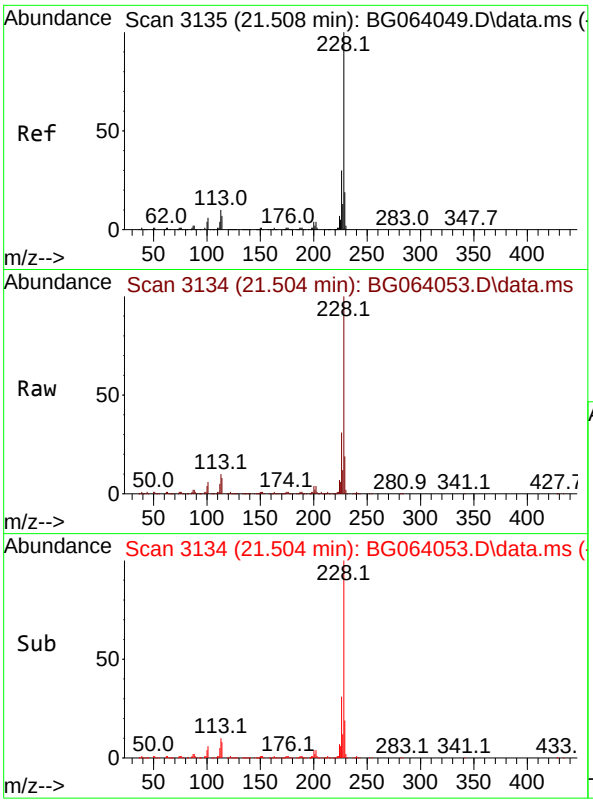


#82
3,3'-Dichlorobenzidine
Concen: 41.103 ng
RT: 21.369 min Scan# 3111
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:252 Resp: 209761

Ion	Ratio	Lower	Upper
252	100		
254	64.3	52.1	78.1
126	10.4	7.8	11.8

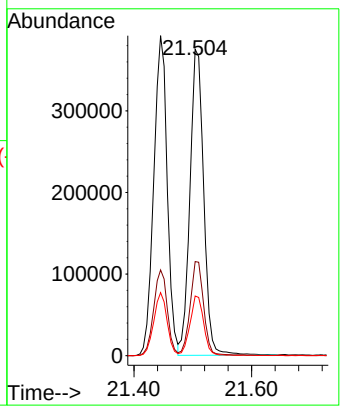




#83
Chrysene
Concen: 38.876 ng
RT: 21.504 min Scan# 3
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:228 Resp: 61141

Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.9	35.9
229	19.5	15.3	22.9



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Manual Integrations
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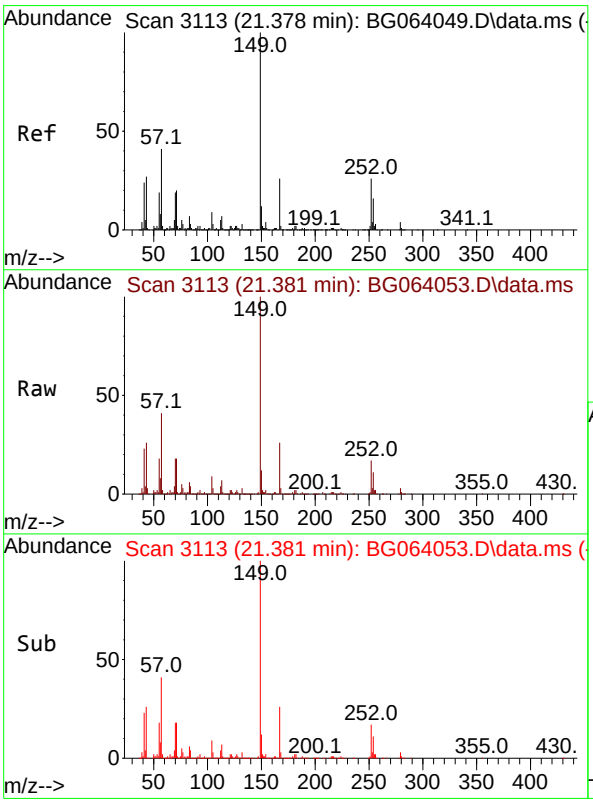
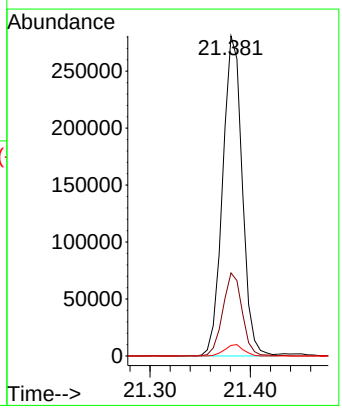
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

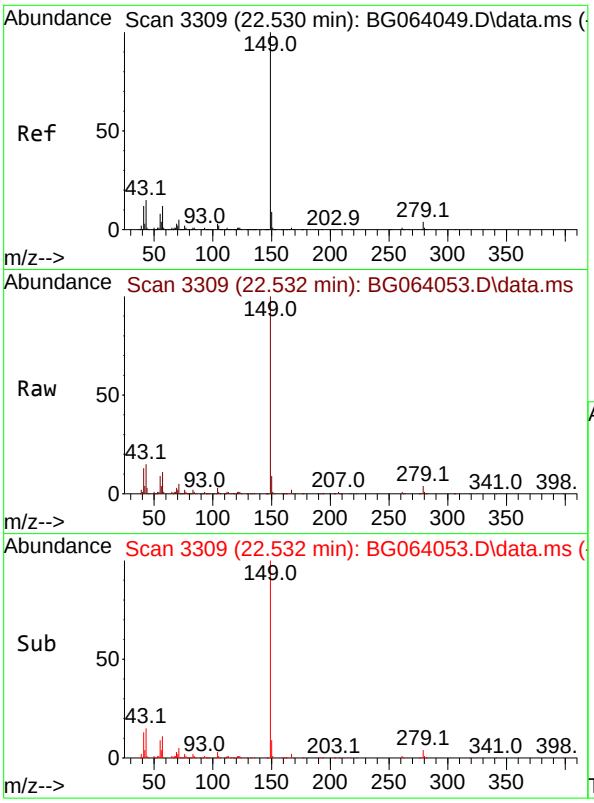


#84
Bis(2-ethylhexyl)phthalate
Concen: 44.551 ng
RT: 21.381 min Scan# 3113
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:149 Resp: 379928

Ion	Ratio	Lower	Upper
149	100		
167	26.0	21.0	31.6
279	3.3	2.8	4.2

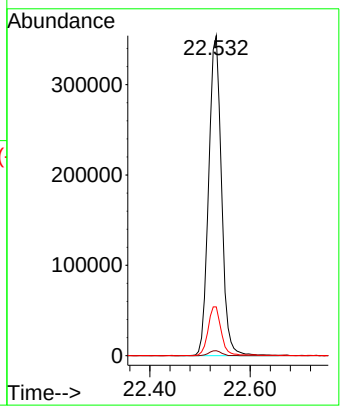




#85
Di-n-octyl phthalate
Concen: 42.688 ng
RT: 22.532 min Scan# 3
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:149 Resp: 62792

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	15.6	12.6	19.0



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Manual Integrations
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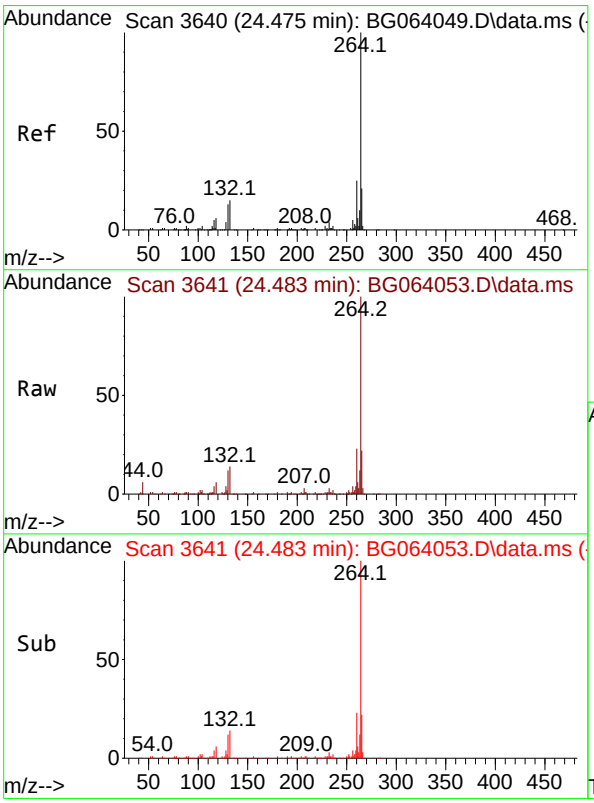
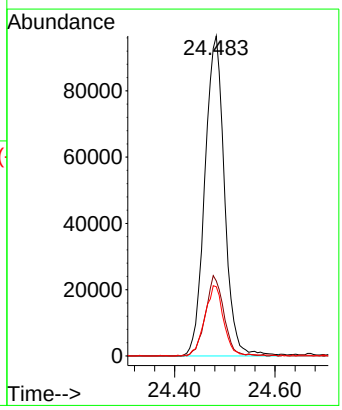
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

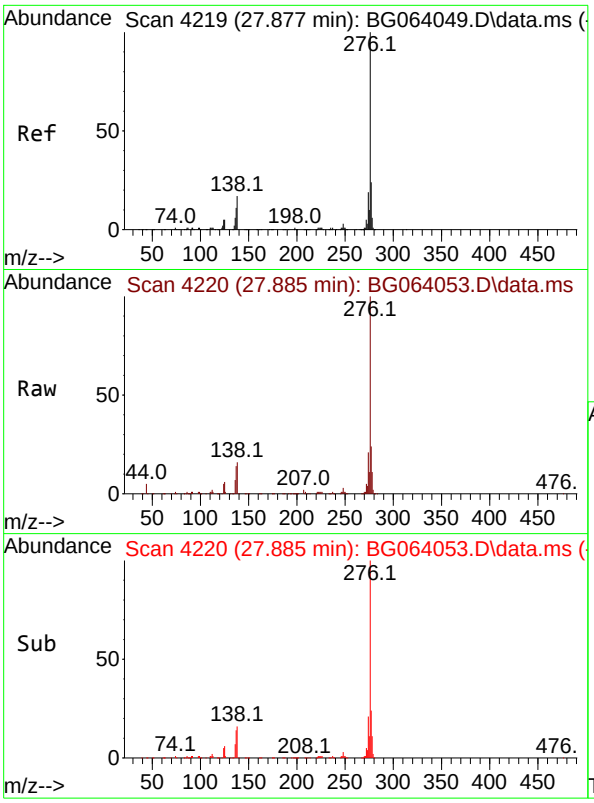


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.483 min Scan# 3641
Delta R.T. 0.008 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:264 Resp: 261789

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.6	29.4
265	21.7	16.6	25.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 39.918 ng
RT: 27.885 min Scan# 4
Delta R.T. 0.008 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:276 Resp: 69919

Ion	Ratio	Lower	Upper
276	100		
138	15.1	12.1	18.1
277	25.0	20.0	30.0

Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Manual Integrations
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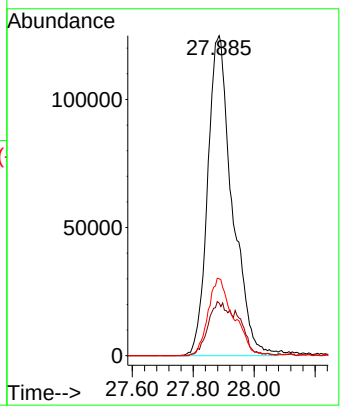
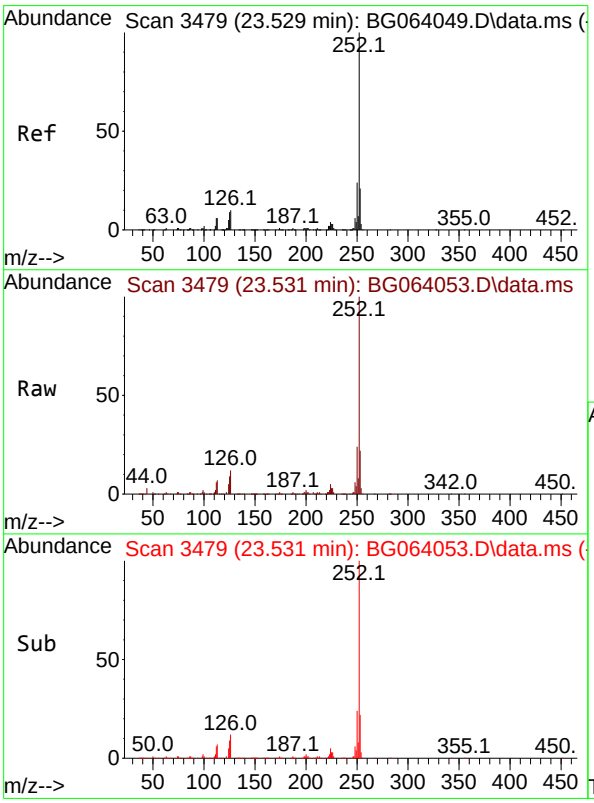
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

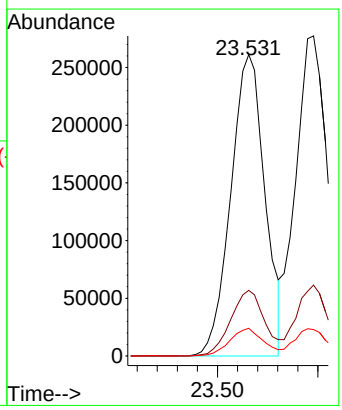


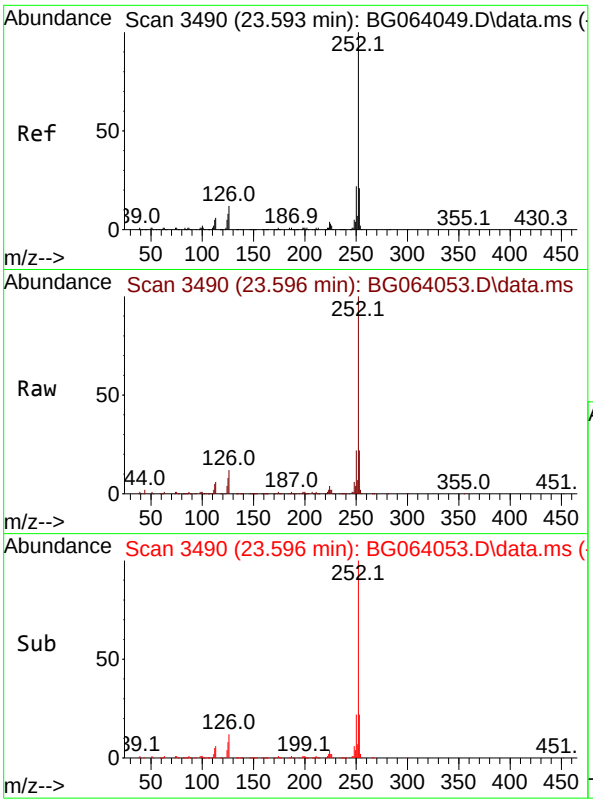


#88
Benzo(b)fluoranthene
Concen: 38.901 ng
RT: 23.531 min Scan# 3479
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:252 Resp: 615644

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.0	25.4
125	9.2	7.4	11.2

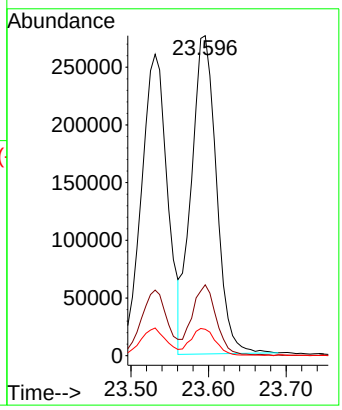




#89
Benzo(k)fluoranthene
Concen: 39.079 ng
RT: 23.596 min Scan# 34
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:252 Resp: 62044

Ion	Ratio	Lower	Upper
252	100		
253	22.1	16.8	25.2
125	8.2	6.9	10.3



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Manual Integrations
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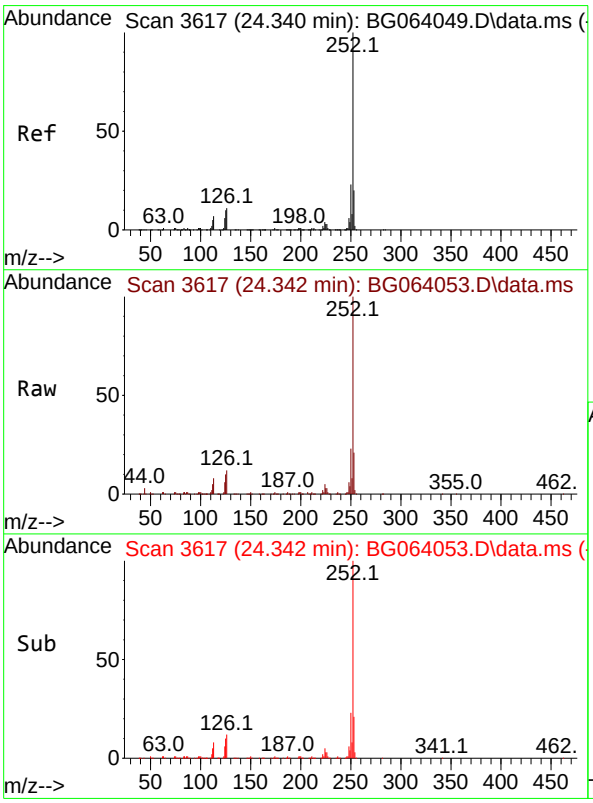
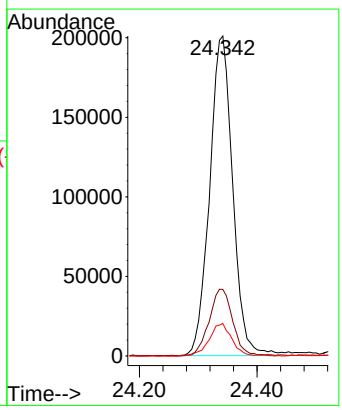
Reviewed By :Jagrut Upadhyay 03/06/2025
Supervised By :mohammad ahmed 03/07/2025

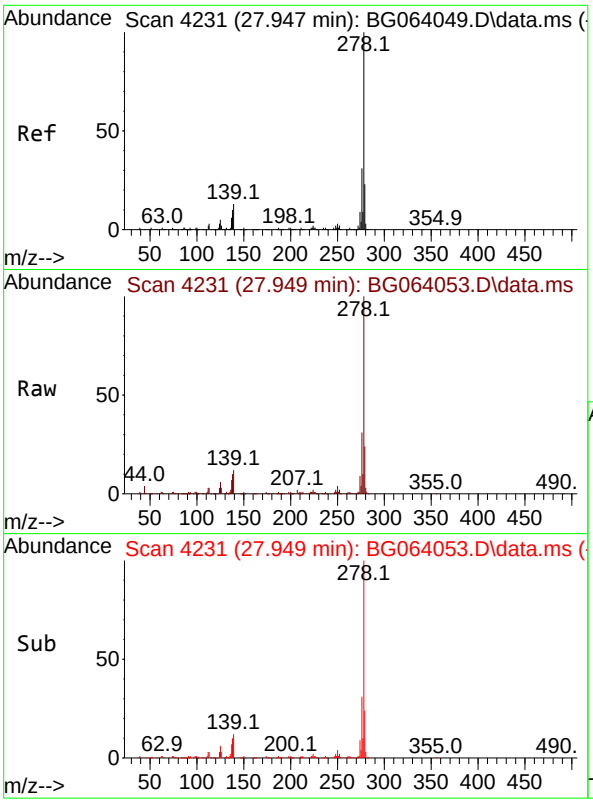


#90
Benzo(a)pyrene
Concen: 38.765 ng
RT: 24.342 min Scan# 3617
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:252 Resp: 546383

Ion	Ratio	Lower	Upper
252	100		
253	20.8	16.2	24.2
125	10.1	7.8	11.6

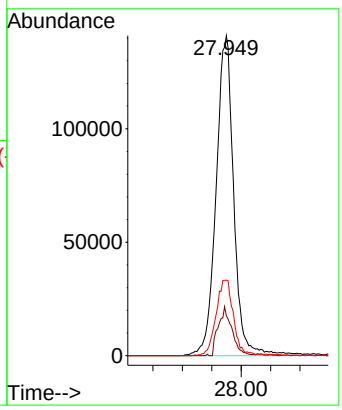




#91
Dibenzo(a,h)anthracene
Concen: 40.162 ng
RT: 27.949 min Scan# 4
Delta R.T. 0.002 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:278 Resp: 58319

Ion	Ratio	Lower	Upper
278	100		
139	12.5	10.2	15.2
279	23.6	18.1	27.1



Instrument :
BNA_G
ClientSampleId :
ICVBG030525

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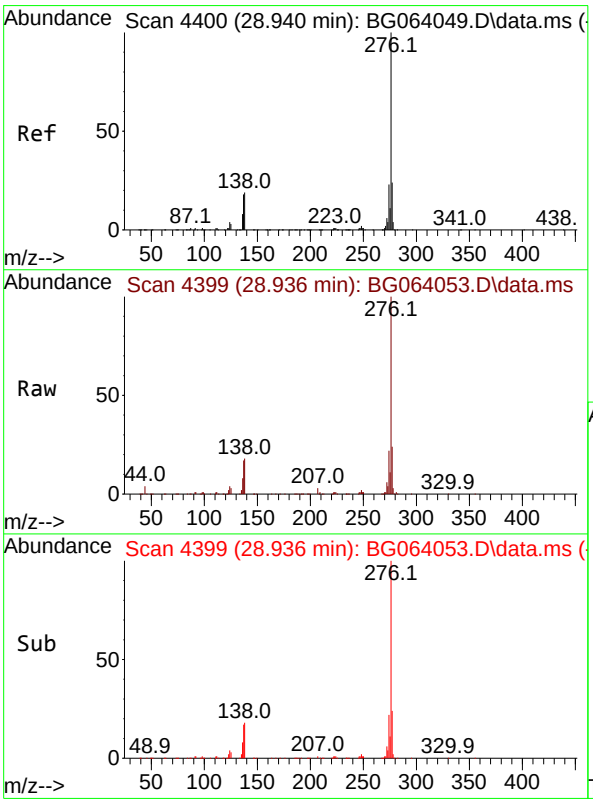
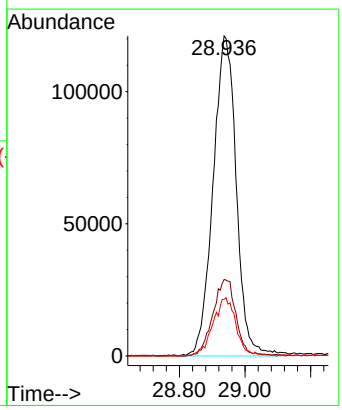


#92
Benzo(g,h,i)perylene
Concen: 39.740 ng
RT: 28.936 min Scan# 4399
Delta R.T. -0.004 min
Lab File: BG064053.D
Acq: 5 Mar 2025 15:10

Tgt Ion:276 Resp: 592494

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.5	29.3
138	17.7	15.4	23.0



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064053.D
Acq On : 5 Mar 2025 15:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Quant Time: Mar 05 15:42:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 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	97	0.00
2		1,4-Dioxane	0.580	0.584	-0.7	97	0.00
3		Pyridine	1.412	1.409	0.2	87	0.00
4		n-Nitrosodimethylamine	1.009	1.008	0.1	92	0.00
5	S	2-Fluorophenol	1.281	1.262	1.5	91	0.00
6		Aniline	1.710	1.605	6.1	86	0.00
7	S	Phenol-d6	1.742	1.644	5.6	86	0.00
8		2-Chlorophenol	1.376	1.321	4.0	89	0.00
9		Benzaldehyde	1.013	0.965	4.7	93	0.00
10	C	Phenol	1.784	1.731	3.0	89	0.00
11		bis(2-Chloroethyl)ether	1.399	1.288	7.9	88	0.00
12		1,3-Dichlorobenzene	1.511	1.393	7.8	88	0.00
13	C	1,4-Dichlorobenzene	1.548	1.420	8.3	87	0.00
14		1,2-Dichlorobenzene	1.493	1.370	8.2	88	0.00
15		Benzyl Alcohol	1.346	1.280	4.9	87	0.00
16		2,2'-oxybis(1-Chloropropane	3.145	2.873	8.6	85	0.00
17		2-Methylphenol	1.184	1.115	5.8	85	0.00
18		Hexachloroethane	0.542	0.534	1.5	90	0.00
19	P	n-Nitroso-di-n-propylamine	1.223	1.090	10.9	80	0.00
20		3+4-Methylphenols	1.630	1.515	7.1	86	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	87	0.00
22		Acetophenone	0.548	0.539	1.6	83	0.00
23	S	Nitrobenzene-d5	0.362	0.381	-5.2	86	0.00
24		Nitrobenzene	0.374	0.395	-5.6	86	0.00
25		Isophorone	0.724	0.685	5.4	80	0.00
26	C	2-Nitrophenol	0.112	0.127	-13.4	91	0.00
27		2,4-Dimethylphenol	0.217	0.218	-0.5	83	0.00
28		bis(2-Chloroethoxy)methane	0.439	0.424	3.4	83	0.00
29	C	2,4-Dichlorophenol	0.274	0.282	-2.9	86	0.00
30		1,2,4-Trichlorobenzene	0.331	0.321	3.0	84	0.00
31		Naphthalene	1.078	1.062	1.5	86	0.00
32		Benzoic acid	0.170	0.178	-4.7	90	-0.02
33		4-Chloroaniline	0.394	0.394	0.0	82	0.00
34	C	Hexachlorobutadiene	0.217	0.215	0.9	86	0.00
35		Caprolactam	0.105	0.111	-5.7	87	-0.02
36	C	4-Chloro-3-methylphenol	0.359	0.356	0.8	83	0.00
37		2-Methylnaphthalene	0.761	0.732	3.8	84	0.00
38		1-Methylnaphthalene	0.746	0.722	3.2	83	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	83	0.00
40		1,2,4,5-Tetrachlorobenzene	0.571	0.566	0.9	80	0.00
41	P	Hexachlorocyclopentadiene	0.161	0.176	-9.3	83	0.00
42	S	2,4,6-Tribromophenol	0.222	0.251	-13.1	86	0.00
43	C	2,4,6-Trichlorophenol	0.337	0.355	-5.3	82	0.00
44		2,4,5-Trichlorophenol	0.374	0.398	-6.4	81	0.00
45	S	2-Fluorobiphenyl	1.318	1.321	-0.2	80	0.00
46		1,1'-Biphenyl	1.511	1.518	-0.5	82	0.00
47		2-Chloronaphthalene	1.102	1.111	-0.8	81	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064053.D
Acq On : 5 Mar 2025 15:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Quant Time: Mar 05 15:42:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 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	0.318	0.367	-15.4	87	0.00
49		Acenaphthylene	1.743	1.767	-1.4	82	0.00
50		Dimethylphthalate	1.476	1.466	0.7	80	0.00
51		2,6-Dinitrotoluene	0.261	0.300	-14.9	85	0.00
52	C	Acenaphthene	1.170	1.182	-1.0	82	0.00
53		3-Nitroaniline	0.285	0.321	-12.6	84	0.00
54	P	2,4-Dinitrophenol	0.102	0.115	-12.7	95	0.00
55		Dibenzofuran	1.895	1.896	-0.1	81	0.00
56	P	4-Nitrophenol	0.239	0.284	-18.8	91	0.00
57		2,4-Dinitrotoluene	0.357	0.428	-19.9	88	0.00
58		Fluorene	1.476	1.491	-1.0	83	0.00
59		2,3,4,6-Tetrachlorophenol	0.365	0.392	-7.4	82	0.00
60		Diethylphthalate	1.603	1.651	-3.0	82	0.00
61		4-Chlorophenyl-phenylether	0.733	0.722	1.5	81	0.00
62		4-Nitroaniline	0.308	0.351	-14.0	84	0.00
63		Azobenzene	1.710	1.716	-0.4	81	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	84	0.00
65		4,6-Dinitro-2-methylphenol	0.076	0.082	-7.9	93	0.00
66	c	n-Nitrosodiphenylamine	0.566	0.555	1.9	80	0.00
67		4-Bromophenyl-phenylether	0.205	0.204	0.5	81	0.00
68		Hexachlorobenzene	0.229	0.221	3.5	81	0.00
69		Atrazine	0.167	0.161	3.6	84	0.00
70	C	Pentachlorophenol	0.142	0.153	-7.7	86	0.00
71		Phenanthrene	1.067	1.066	0.1	83	0.00
72		Anthracene	1.061	1.068	-0.7	82	0.00
73		Carbazole	0.990	1.036	-4.6	84	0.00
74		Di-n-butylphthalate	1.166	1.303	-11.7	87	0.00
75	C	Fluoranthene	1.286	1.355	-5.4	86	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	90	0.00
77		Benzidine	0.277	0.259	6.5	75	0.00
78		Pyrene	1.289	1.236	4.1	85	0.00
79	S	Terphenyl-d14	0.989	0.956	3.3	86	0.00
80		Butylbenzylphthalate	0.423	0.485	-14.7	94	0.00
81		Benzo(a)anthracene	1.281	1.268	1.0	88	0.00
82		3,3'-Dichlorobenzidine	0.415	0.426	-2.7	86	0.00
83		Chrysene	1.278	1.242	2.8	86	0.00
84		Bis(2-ethylhexyl)phthalate	0.693	0.772	-11.4	92	0.00
85	c	Di-n-octyl phthalate	1.195	1.275	-6.7	93	0.00
86	I	Perylene-d12	1.000	1.000	0.0	90	0.00
87		Indeno(1,2,3-cd)pyrene	1.338	1.335	0.2	88	0.00
88		Benzo(b)fluoranthene	1.209	1.176	2.7	87	0.00
89		Benzo(k)fluoranthene	1.213	1.185	2.3	85	0.00
90	C	Benzo(a)pyrene	1.077	1.044	3.1	85	0.00
91		Dibenzo(a,h)anthracene	1.109	1.114	-0.5	89	0.00
92		Benzo(g,h,i)perylene	1.139	1.132	0.6	89	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064053.D
Acq On : 5 Mar 2025 15:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Quant Time: Mar 05 15:42:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 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_G\Data\BG030525\
Data File : BG064053.D
Acq On : 5 Mar 2025 15:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Quant Time: Mar 05 15:42:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 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	97	0.00
2		1,4-Dioxane	40.000	40.218	-0.5	97	0.00
3		Pyridine	40.000	39.931	0.2	87	0.00
4		n-Nitrosodimethylamine	40.000	39.980	0.1	92	0.00
5	S	2-Fluorophenol	80.000	78.823	1.5	91	0.00
6		Aniline	40.000	37.544	6.1	86	0.00
7	S	Phenol-d6	80.000	75.496	5.6	86	0.00
8		2-Chlorophenol	40.000	38.417	4.0	89	0.00
9		Benzaldehyde	40.000	38.087	4.8	93	0.00
10	C	Phenol	40.000	38.806	3.0	89	0.00
11		bis(2-Chloroethyl)ether	40.000	36.822	7.9	88	0.00
12		1,3-Dichlorobenzene	40.000	36.876	7.8	88	0.00
13	C	1,4-Dichlorobenzene	40.000	36.676	8.3	87	0.00
14		1,2-Dichlorobenzene	40.000	36.695	8.3	88	0.00
15		Benzyl Alcohol	40.000	38.023	4.9	87	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	36.540	8.7	85	0.00
17		2-Methylphenol	40.000	37.680	5.8	85	0.00
18		Hexachloroethane	40.000	39.404	1.5	90	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	35.648	10.9	80	0.00
20		3+4-Methylphenols	40.000	37.166	7.1	86	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	87	0.00
22		Acetophenone	40.000	39.285	1.8	83	0.00
23	S	Nitrobenzene-d5	80.000	84.279	-5.3	86	0.00
24		Nitrobenzene	40.000	42.208	-5.5	86	0.00
25		Isophorone	40.000	37.823	5.4	80	0.00
26	C	2-Nitrophenol	40.000	40.946	-2.4	91	0.00
27		2,4-Dimethylphenol	40.000	40.139	-0.3	83	0.00
28		bis(2-Chloroethoxy)methane	40.000	38.620	3.5	83	0.00
29	C	2,4-Dichlorophenol	40.000	41.154	-2.9	86	0.00
30		1,2,4-Trichlorobenzene	40.000	38.802	3.0	84	0.00
31		Naphthalene	40.000	39.402	1.5	86	0.00
32		Benzoic acid	40.000	37.906	5.2	90	-0.02
33		4-Chloroaniline	40.000	39.949	0.1	82	0.00
34	C	Hexachlorobutadiene	40.000	39.720	0.7	86	0.00
35		Caprolactam	40.000	42.084	-5.2	87	-0.02
36	C	4-Chloro-3-methylphenol	40.000	39.649	0.9	83	0.00
37		2-Methylnaphthalene	40.000	38.463	3.8	84	0.00
38		1-Methylnaphthalene	40.000	38.724	3.2	83	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	83	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	39.630	0.9	80	0.00
41	P	Hexachlorocyclopentadiene	40.000	43.873	-9.7	83	0.00
42	S	2,4,6-Tribromophenol	80.000	90.311	-12.9	86	0.00
43	C	2,4,6-Trichlorophenol	40.000	42.165	-5.4	82	0.00
44		2,4,5-Trichlorophenol	40.000	42.561	-6.4	81	0.00
45	S	2-Fluorobiphenyl	80.000	80.186	-0.2	80	0.00
46		1,1'-Biphenyl	40.000	40.196	-0.5	82	0.00
47		2-Chloronaphthalene	40.000	40.309	-0.8	81	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064053.D
Acq On : 5 Mar 2025 15:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Quant Time: Mar 05 15:42:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 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	41.405	-3.5	87	0.00
49		Acenaphthylene	40.000	40.537	-1.3	82	0.00
50		Dimethylphthalate	40.000	39.712	0.7	80	0.00
51		2,6-Dinitrotoluene	40.000	40.625	-1.6	85	0.00
52	C	Acenaphthene	40.000	40.428	-1.1	82	0.00
53		3-Nitroaniline	40.000	45.042	-12.6	84	0.00
54	P	2,4-Dinitrophenol	40.000	41.197	-3.0	95	0.00
55		Dibenzofuran	40.000	40.014	-0.0	81	0.00
56	P	4-Nitrophenol	40.000	47.537	-18.8	91	0.00
57		2,4-Dinitrotoluene	40.000	41.944	-4.9	88	0.00
58		Fluorene	40.000	40.403	-1.0	83	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	43.068	-7.7	82	0.00
60		Diethylphthalate	40.000	41.198	-3.0	82	0.00
61		4-Chlorophenyl-phenylether	40.000	39.367	1.6	81	0.00
62		4-Nitroaniline	40.000	45.576	-13.9	84	0.00
63		Azobenzene	40.000	40.137	-0.3	81	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	84	0.00
65		4,6-Dinitro-2-methylphenol	40.000	39.817	0.5	93	0.00
66	c	n-Nitrosodiphenylamine	40.000	39.248	1.9	80	0.00
67		4-Bromophenyl-phenylether	40.000	39.772	0.6	81	0.00
68		Hexachlorobenzene	40.000	38.611	3.5	81	0.00
69		Atrazine	40.000	38.607	3.5	84	0.00
70	C	Pentachlorophenol	40.000	43.019	-7.5	86	0.00
71		Phenanthrene	40.000	39.978	0.1	83	0.00
72		Anthracene	40.000	40.280	-0.7	82	0.00
73		Carbazole	40.000	41.831	-4.6	84	0.00
74		Di-n-butylphthalate	40.000	44.702	-11.8	87	0.00
75	C	Fluoranthene	40.000	42.146	-5.4	86	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	90	0.00
77		Benzidine	40.000	37.383	6.5	75	0.00
78		Pyrene	40.000	38.357	4.1	85	0.00
79	S	Terphenyl-d14	80.000	77.284	3.4	86	0.00
80		Butylbenzylphthalate	40.000	40.680	-1.7	94	0.00
81		Benzo(a)anthracene	40.000	39.598	1.0	88	0.00
82		3,3'-Dichlorobenzidine	40.000	41.103	-2.8	86	0.00
83		Chrysene	40.000	38.876	2.8	86	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	44.551	-11.4	92	0.00
85	c	Di-n-octyl phthalate	40.000	42.688	-6.7	93	0.00
86	I	Perylene-d12	20.000	20.000	0.0	90	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	39.918	0.2	88	0.00
88		Benzo(b)fluoranthene	40.000	38.901	2.7	87	0.00
89		Benzo(k)fluoranthene	40.000	39.079	2.3	85	0.00
90	C	Benzo(a)pyrene	40.000	38.765	3.1	85	0.00
91		Dibenzo(a,h)anthracene	40.000	40.162	-0.4	89	0.00
92		Benzo(g,h,i)perylene	40.000	39.740	0.6	89	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064053.D
Acq On : 5 Mar 2025 15:10
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG030525

Quant Time: Mar 05 15:42:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Raw Data: **BF141910.D**

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG No.: Q1514

Instrument ID: BNA_F Calibration Date/Time: 03/11/2025 11:51

Lab File ID: BF141910.D Init. Calib. Date(s): 03/10/2025 03/10/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:01 15:20

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.198	1.135		-5.3	
Benzaldehyde	0.853	0.793		-7.0	
Phenol-d6	1.526	1.442		-5.5	
Phenol	1.605	1.529		-4.7	20.0
bis(2-Chloroethyl)ether	1.205	1.137		-5.6	
2-Chlorophenol	1.329	1.273		-4.2	
2-Methylphenol	1.057	1.011		-4.4	
2,2-oxybis(1-Chloropropane)	1.455	1.336		-8.2	
Acetophenone	0.479	0.454		-5.2	
3+4-Methylphenols	1.354	1.288		-4.9	
n-Nitroso-di-n-propylamine	0.980	0.910	0.050	-7.1	
Nitrobenzene-d5	0.355	0.347		-2.3	
Hexachloroethane	0.544	0.529		-2.8	
Nitrobenzene	0.353	0.343		-2.8	
Isophorone	0.628	0.601		-4.3	
2-Nitrophenol	0.173	0.178		2.9	20.0
2,4-Dimethylphenol	0.239	0.233		-2.5	
bis(2-Chloroethoxy)methane	0.394	0.375		-4.8	
2,4-Dichlorophenol	0.296	0.287		-3.0	20.0
Naphthalene	1.027	0.978		-4.8	
4-Chloroaniline	0.363	0.349		-3.9	
Hexachlorobutadiene	0.213	0.209		-1.9	20.0
Caprolactam	0.090	0.086		-4.4	
4-Chloro-3-methylphenol	0.331	0.318		-3.9	20.0
2-Methylnaphthalene	0.687	0.664		-3.3	
Hexachlorocyclopentadiene	0.238	0.241	0.050	1.3	
2,4,6-Trichlorophenol	0.398	0.399		0.3	20.0
2-Fluorobiphenyl	1.315	1.239		-5.8	
2,4,5-Trichlorophenol	0.403	0.389		-3.5	
1,1-Biphenyl	1.520	1.464		-3.7	
2-Chloronaphthalene	1.133	1.095		-3.4	
2-Nitroaniline	0.328	0.321		-2.1	
Dimethylphthalate	1.401	1.340		-4.4	
Acenaphthylene	1.681	1.623		-3.5	
2,6-Dinitrotoluene	0.292	0.292		0.0	
3-Nitroaniline	0.296	0.289		-2.4	
Acenaphthene	1.181	1.139		-3.6	20.0
2,4-Dinitrophenol	0.139	0.143	0.050	2.9	
4-Nitrophenol	0.223	0.221	0.050	-0.9	

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG No.: Q1514

Instrument ID: BNA_F Calibration Date/Time: 03/11/2025 11:51

Lab File ID: BF141910.D Init. Calib. Date(s): 03/10/2025 03/10/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:01 15:20

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.688	1.616		-4.3	
2,4-Dinitrotoluene	0.381	0.381		0.0	
Diethylphthalate	1.397	1.338		-4.2	
4-Chlorophenyl-phenylether	0.679	0.657		-3.2	
Fluorene	1.302	1.239		-4.8	
4-Nitroaniline	0.288	0.280		-2.8	
4,6-Dinitro-2-methylphenol	0.119	0.119		0.0	
n-Nitrosodiphenylamine	0.647	0.619		-4.3	20.0
2,4,6-Tribromophenol	0.254	0.255		0.4	
4-Bromophenyl-phenylether	0.251	0.245		-2.4	
Hexachlorobenzene	0.275	0.273		-0.7	
Atrazine	0.198	0.183		-7.6	
Pentachlorophenol	0.170	0.172		1.2	20.0
Phenanthrene	1.080	1.027		-4.9	
Anthracene	1.084	1.031		-4.9	
Carbazole	0.935	0.884		-5.5	
Di-n-butylphthalate	1.240	1.176		-5.2	
Fluoranthene	1.146	1.067		-6.9	20.0
Pyrene	1.730	1.662		-3.9	
Terphenyl-d14	1.353	1.336		-1.3	
Butylbenzylphthalate	0.677	0.669		-1.2	
3,3-Dichlorobenzidine	0.379	0.366		-3.4	
Benzo(a)anthracene	1.312	1.219		-7.1	
Chrysene	1.190	1.169		-1.8	
Bis(2-ethylhexyl)phthalate	0.934	0.921		-1.4	
Di-n-octyl phthalate	1.299	1.308		0.7	20.0
Benzo(b)fluoranthene	1.371	1.224		-10.7	
Benzo(k)fluoranthene	1.173	1.141		-2.7	
Benzo(a)pyrene	1.073	1.020		-4.9	20.0
Indeno(1,2,3-cd)pyrene	1.294	1.240		-4.2	
Dibenzo(a,h)anthracene	1.067	1.021		-4.3	
Benzo(g,h,i)perylene	1.055	1.000		-5.2	
1,2,4,5-Tetrachlorobenzene	0.609	0.593		-2.6	
1,4-Dioxane	0.502	0.488		-2.8	20.0
2,3,4,6-Tetrachlorophenol	0.367	0.366		-0.3	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141910.D
Acq On : 11 Mar 2025 11:51
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Mar 11 12:36:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	212930	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	840081	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	479107	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	819898	20.000	ng	0.00
76) Chrysene-d12	14.039	240	519479	20.000	ng	0.00
86) Perylene-d12	15.509	264	442953	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	966380	75.745	ng	0.00
7) Phenol-d6	6.504	99	1228433	75.624	ng	0.00
23) Nitrobenzene-d5	7.445	82	1166556	78.146	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	488429	80.359	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	2374971	75.388	ng	0.00
79) Terphenyl-d14	12.986	244	2775945	79.004	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.675	88	207900	38.891	ng	99
3) Pyridine	3.434	79	509090	38.824	ng	99
4) n-Nitrosodimethylamine	3.393	42	242195	38.747	ng	98
6) Aniline	6.545	93	619097	38.634	ng	100
8) 2-Chlorophenol	6.669	128	542074	38.309	ng	99
9) Benzaldehyde	6.434	77	337776	37.180	ng	100
10) Phenol	6.516	94	651072	38.098	ng	98
11) bis(2-Chloroethyl)ether	6.616	93	484388	37.748	ng	100
12) 1,3-Dichlorobenzene	6.822	146	582982	38.163	ng	100
13) 1,4-Dichlorobenzene	6.898	146	594118	38.438	ng	100
14) 1,2-Dichlorobenzene	7.051	146	554766	38.106	ng	99
15) Benzyl Alcohol	7.022	79	506215	38.547	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	568739	36.712	ng	99
17) 2-Methylphenol	7.128	107	430396	38.255	ng	99
18) Hexachloroethane	7.392	117	225190	38.853	ng	100
19) n-Nitroso-di-n-propyla...	7.298	70	387430	37.118	ng	100
20) 3+4-Methylphenols	7.281	107	548388	38.055	ng	98
22) Acetophenone	7.292	105	763464	37.949	ng	99
24) Nitrobenzene	7.463	77	576817	38.869	ng	100
25) Isophorone	7.704	82	1009454	38.255	ng	100
26) 2-Nitrophenol	7.775	139	298908	41.039	ng	98
27) 2,4-Dimethylphenol	7.810	122	392258	39.112	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	629638	38.044	ng	100
29) 2,4-Dichlorophenol	8.016	162	481689	38.695	ng	100
30) 1,2,4-Trichlorobenzene	8.104	180	529203	38.575	ng	98
31) Naphthalene	8.186	128	1643492	38.085	ng	100
32) Benzoic acid	7.928	122	369497	41.912	ng	98
33) 4-Chloroaniline	8.233	127	585849	38.457	ng	99
34) Hexachlorobutadiene	8.304	225	351479	39.286	ng	98
35) Caprolactam	8.604	113	144643	38.112	ng	96
36) 4-Chloro-3-methylphenol	8.704	107	534161	38.467	ng	99
37) 2-Methylnaphthalene	8.875	142	1115480	38.672	ng	100
38) 1-Methylnaphthalene	8.975	142	1060457	38.099	ng	99
40) 1,2,4,5-Tetrachloroben...	9.039	216	568573	38.978	ng	98
41) Hexachlorocyclopentadiene	9.028	237	230480	40.373	ng	100
43) 2,4,6-Trichlorophenol	9.145	196	382004	40.071	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141910.D
Acq On : 11 Mar 2025 11:51
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Mar 11 12:36:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

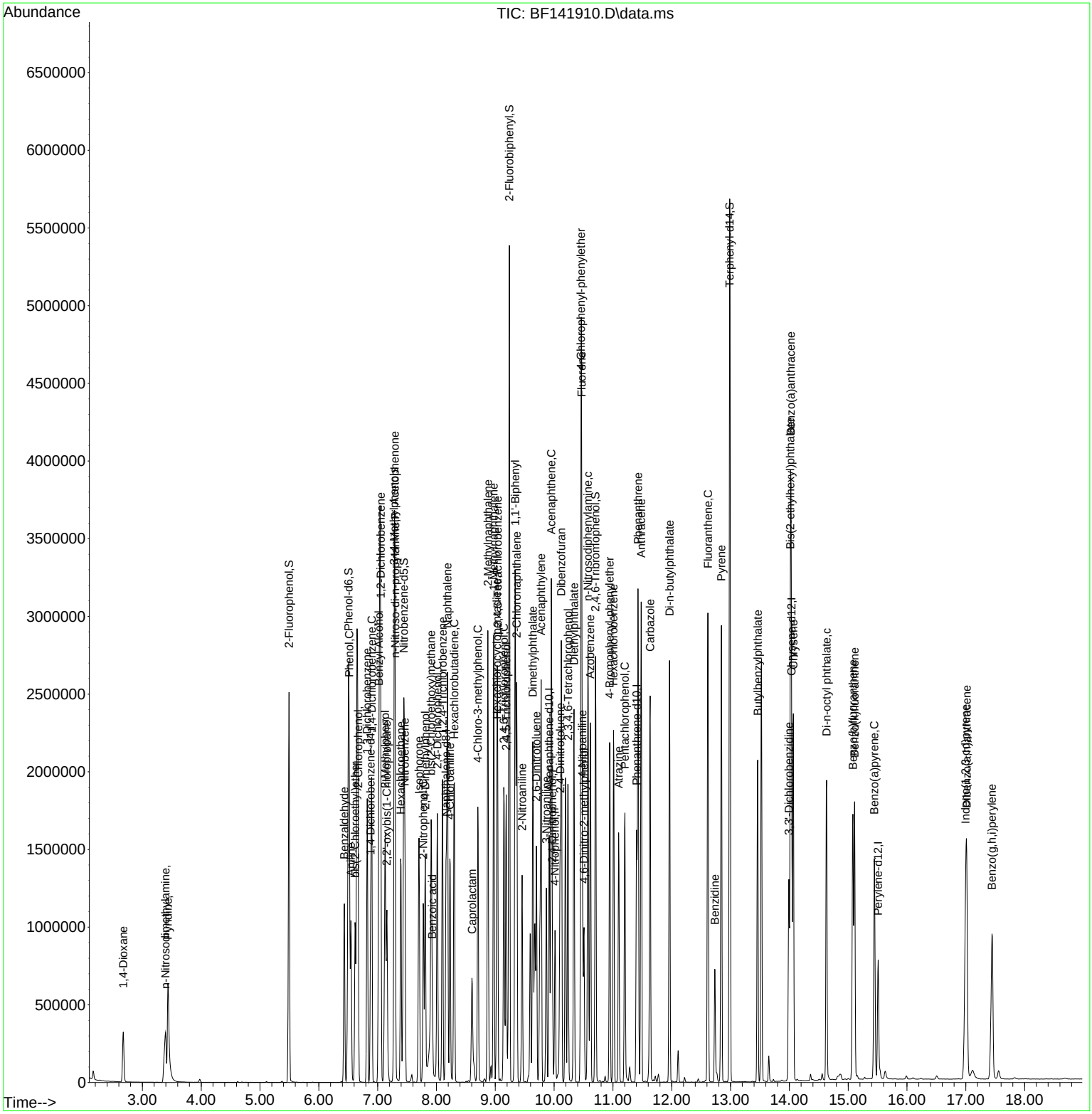
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	372824	38.614	ng	100
46) 1,1'-Biphenyl	9.339	154	1402423	38.525	ng	100
47) 2-Chloronaphthalene	9.363	162	1049133	38.666	ng	99
48) 2-Nitroaniline	9.457	65	307247	39.109	ng	99
49) Acenaphthylene	9.780	152	1554840	38.616	ng	100
50) Dimethylphthalate	9.639	163	1283810	38.265	ng	100
51) 2,6-Dinitrotoluene	9.698	165	279974	40.079	ng	97
52) Acenaphthene	9.951	154	1091559	38.576	ng	99
53) 3-Nitroaniline	9.869	138	277307	39.135	ng	98
54) 2,4-Dinitrophenol	9.969	184	136926	38.237	ng	91
55) Dibenzofuran	10.122	168	1548206	38.292	ng	100
56) 4-Nitrophenol	10.016	139	212052	39.683	ng	99
57) 2,4-Dinitrotoluene	10.104	165	364725	39.975	ng	100
58) Fluorene	10.469	166	1187102	38.073	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.239	232	351000	39.950	ng	98
60) Diethylphthalate	10.339	149	1281977	38.320	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	629512	38.726	ng	98
62) 4-Nitroaniline	10.480	138	268529	38.925	ng	99
63) Azobenzene	10.616	77	1194591	38.408	ng	100
65) 4,6-Dinitro-2-methylph...	10.510	198	195453	39.988	ng	99
66) n-Nitrosodiphenylamine	10.574	169	1014883	38.251	ng	100
67) 4-Bromophenyl-phenylether	10.945	248	401588	39.001	ng	100
68) Hexachlorobenzene	11.010	284	448381	39.703	ng	99
69) Atrazine	11.098	200	299767	36.855	ng	100
70) Pentachlorophenol	11.204	266	282858	40.651	ng	99
71) Phenanthrene	11.427	178	1684816	38.045	ng	100
72) Anthracene	11.480	178	1690241	38.043	ng	100
73) Carbazole	11.633	167	1449478	37.829	ng	100
74) Di-n-butylphthalate	11.963	149	1929199	37.945	ng	100
75) Fluoranthene	12.616	202	1750151	37.256	ng	100
77) Benzidine	12.733	184	392482	54.153	ng	99
78) Pyrene	12.845	202	1726338	38.418	ng	100
80) Butylbenzylphthalate	13.463	149	695571	39.548	ng	98
81) Benzo(a)anthracene	14.027	228	1266188	37.144	ng	100
82) 3,3'-Dichlorobenzidine	13.992	252	380363	38.611	ng	98
83) Chrysene	14.068	228	1214561	39.306	ng	99
84) Bis(2-ethylhexyl)phtha...	14.015	149	956586	39.447	ng	99
85) Di-n-octyl phthalate	14.633	149	1358481	40.262	ng	99
87) Indeno(1,2,3-cd)pyrene	16.998	276	1098821	38.348	ng	99
88) Benzo(b)fluoranthene	15.080	252	1084408	35.721	ng	100
89) Benzo(k)fluoranthene	15.109	252	1011237	38.924	ng	99
90) Benzo(a)pyrene	15.445	252	903590	38.039	ng	99
91) Dibenzo(a,h)anthracene	17.015	278	904778	38.270	ng	99
92) Benzo(g,h,i)perylene	17.445	276	885987	37.923	ng	99

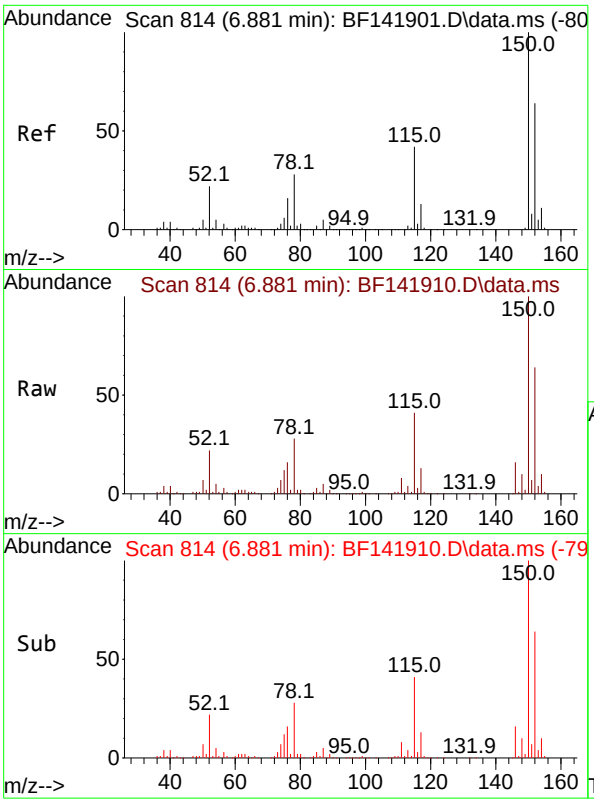
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141910.D
Acq On : 11 Mar 2025 11:51
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Mar 11 12:36:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration



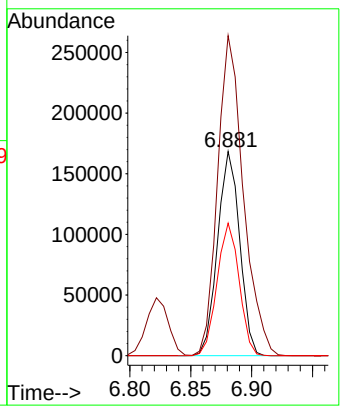


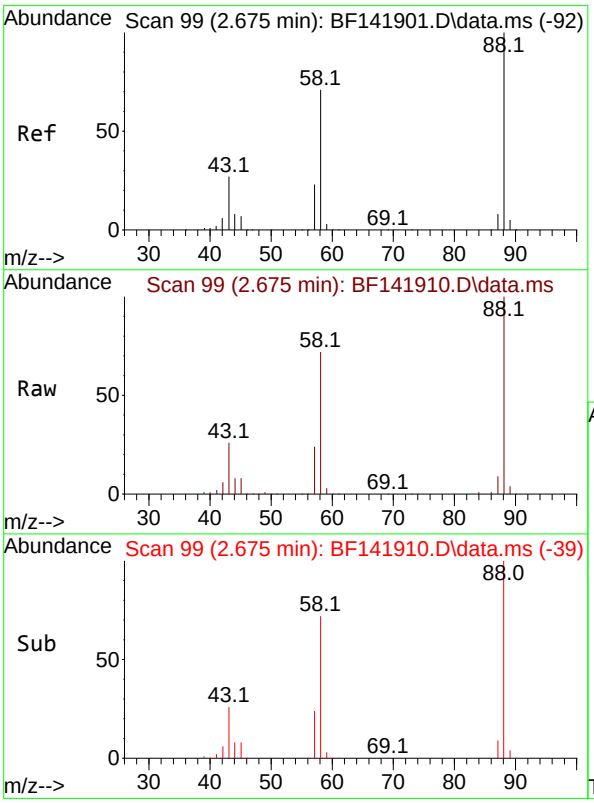
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 212930

Ion	Ratio	Lower	Upper
152	100		
150	156.7	127.4	191.2
115	64.9	51.9	77.9

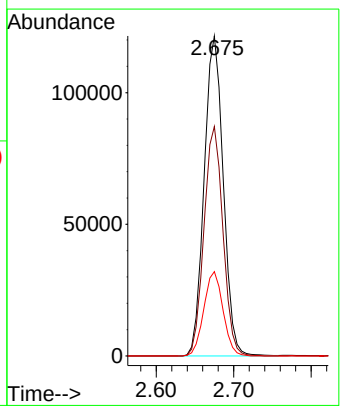


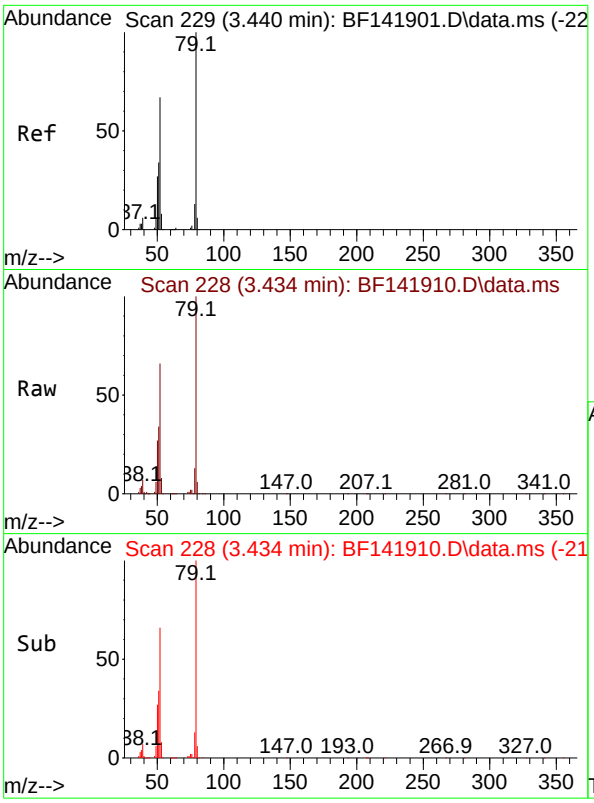


#2
1,4-Dioxane
Concen: 38.891 ng
RT: 2.675 min Scan# 99
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion: 88 Resp: 207900

Ion	Ratio	Lower	Upper
88	100		
58	71.0	57.4	86.2
43	26.5	21.5	32.3



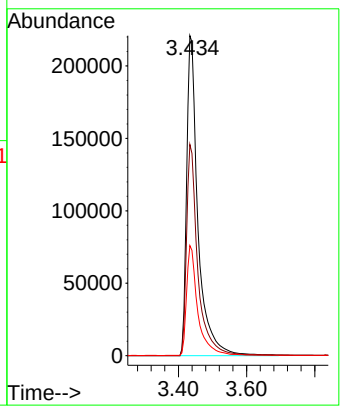


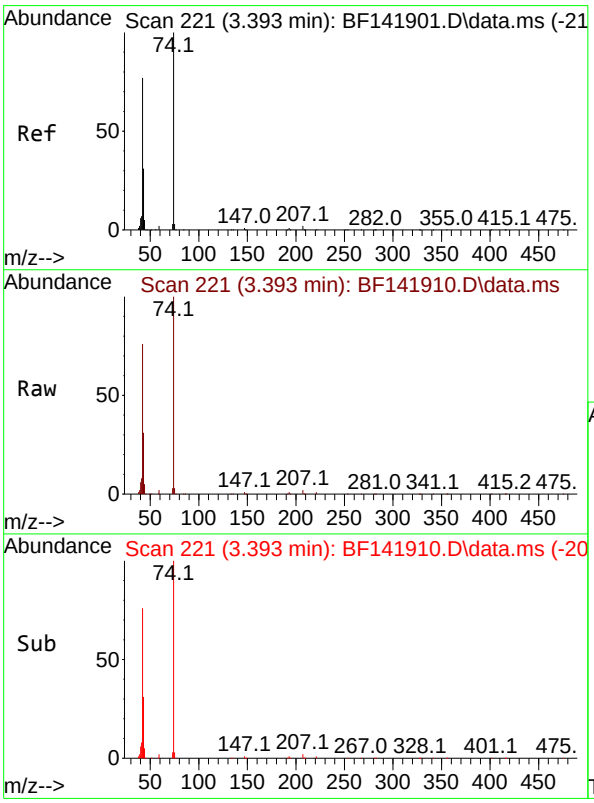
#3
Pyridine
Concen: 38.824 ng
RT: 3.434 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 509090

Ion	Ratio	Lower	Upper
79	100		
52	66.0	53.3	79.9
51	34.4	27.6	41.4

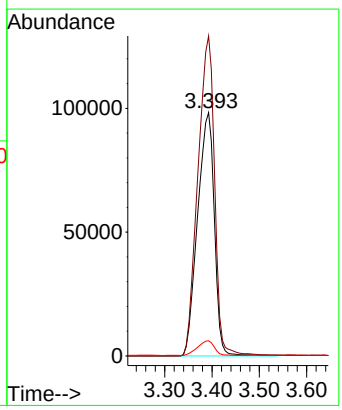


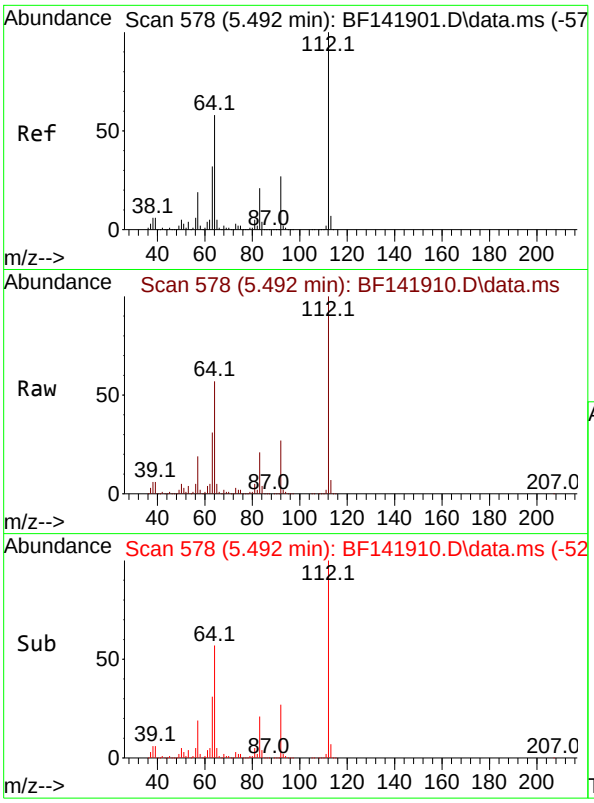


#4
n-Nitrosodimethylamine
Concen: 38.747 ng
RT: 3.393 min Scan# 221
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion: 42 Resp: 242195

Ion	Ratio	Lower	Upper
42	100		
74	131.5	103.4	155.0
44	6.2	5.0	7.4



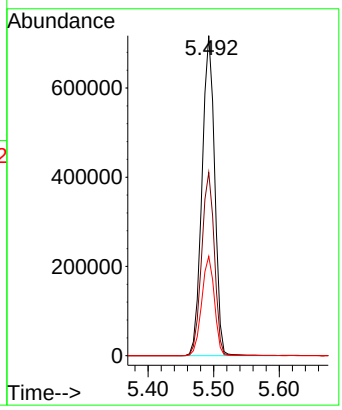


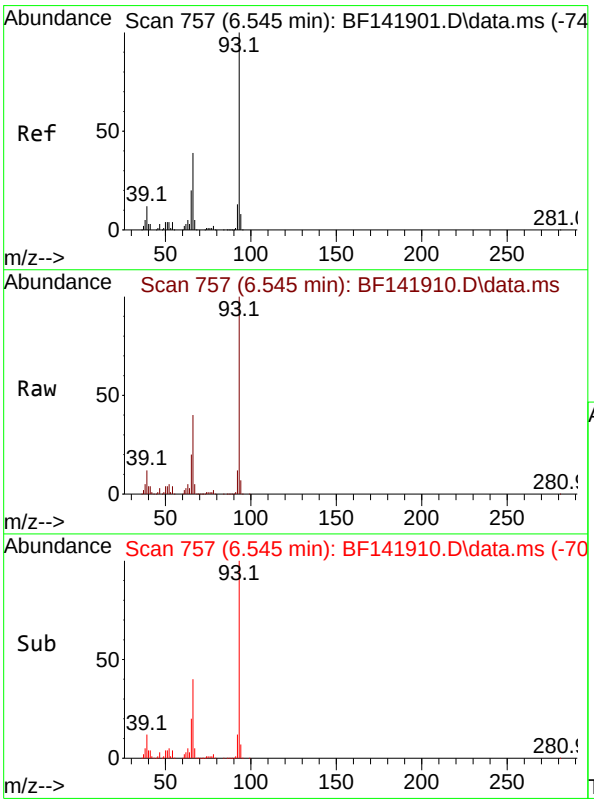
#5
2-Fluorophenol
Concen: 75.745 ng
RT: 5.492 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 966380

Ion	Ratio	Lower	Upper
112	100		
64	57.2	46.5	69.7
63	31.0	25.4	38.2

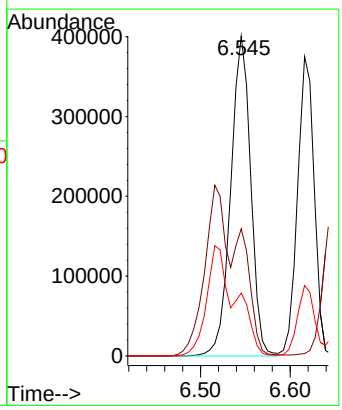


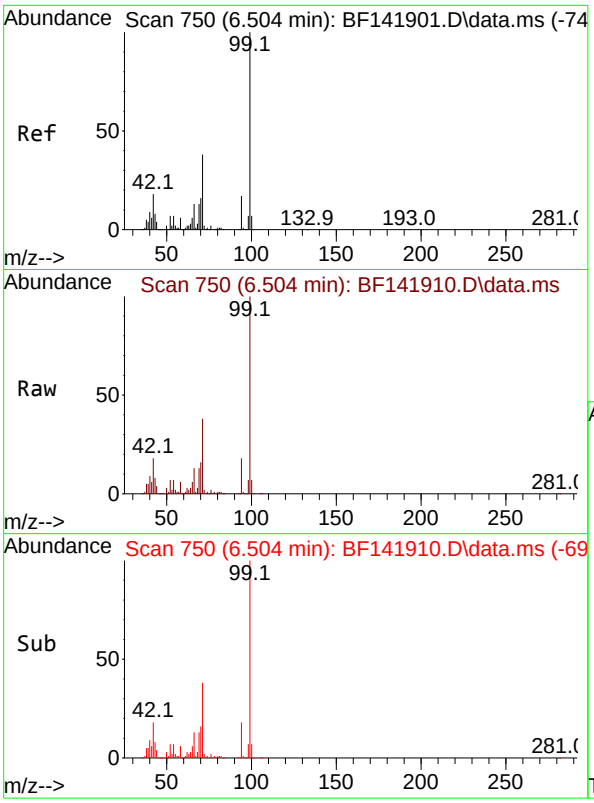


#6
Aniline
Concen: 38.634 ng
RT: 6.545 min Scan# 757
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion: 93 Resp: 619097

Ion	Ratio	Lower	Upper
93	100		
66	39.7	31.9	47.9
65	19.6	15.8	23.6



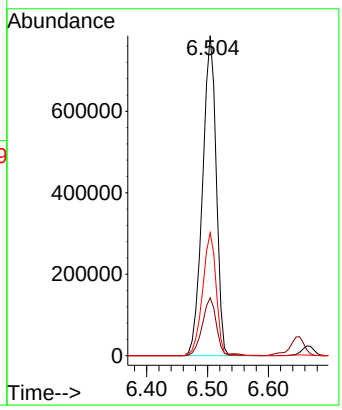


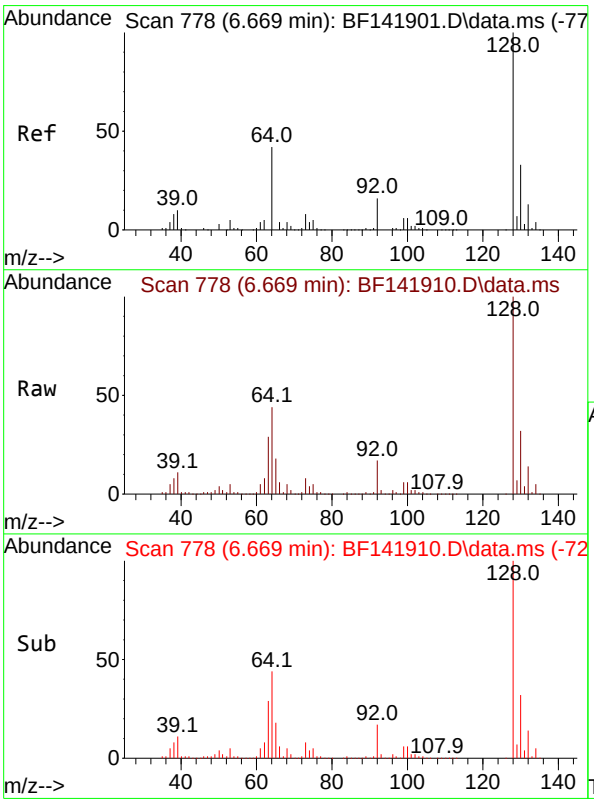
#7
Phenol-d6
Concen: 75.624 ng
RT: 6.504 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 1228433

Ion	Ratio	Lower	Upper
99	100		
42	18.1	14.6	21.8
71	38.4	30.8	46.2

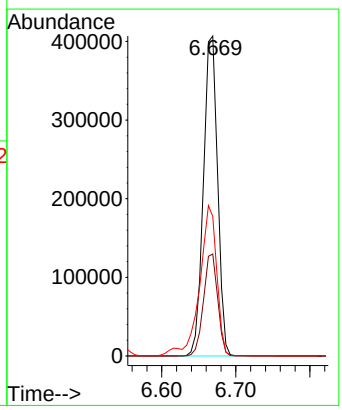


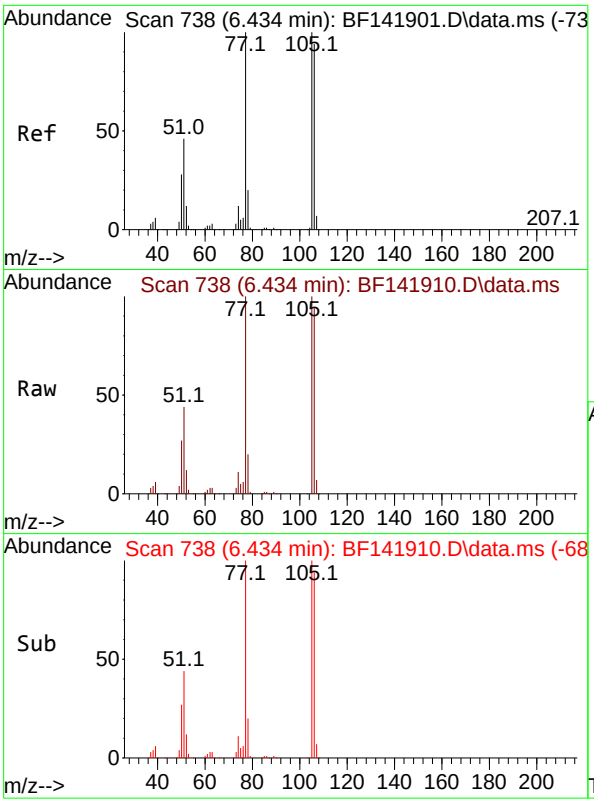


#8
2-Chlorophenol
Concen: 38.309 ng
RT: 6.669 min Scan# 778
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:128 Resp: 542074

Ion	Ratio	Lower	Upper
128	100		
130	31.9	12.8	52.8
64	43.6	24.4	64.4



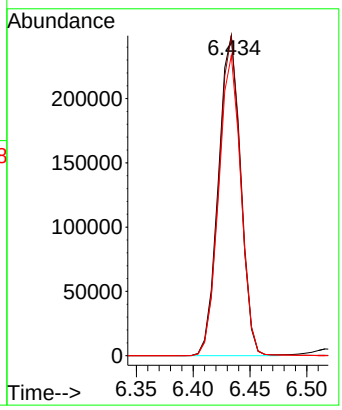


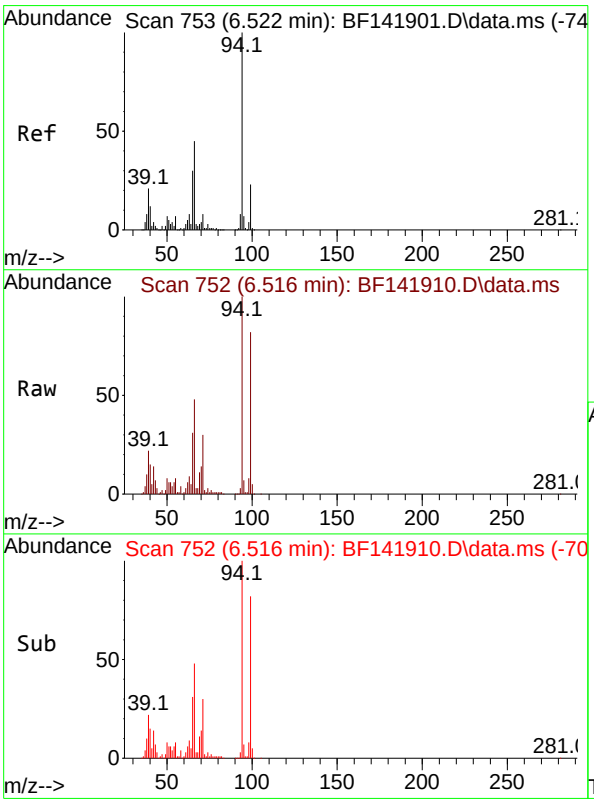
#9
Benzaldehyde
Concen: 37.180 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 337776

Ion	Ratio	Lower	Upper
77	100		
105	99.9	80.0	120.0
106	93.8	74.5	114.5

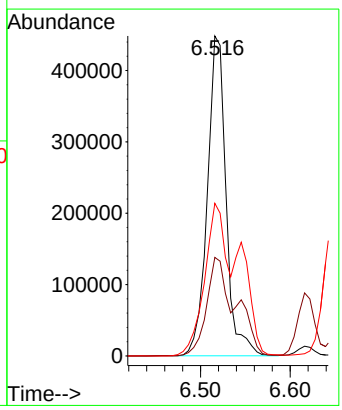


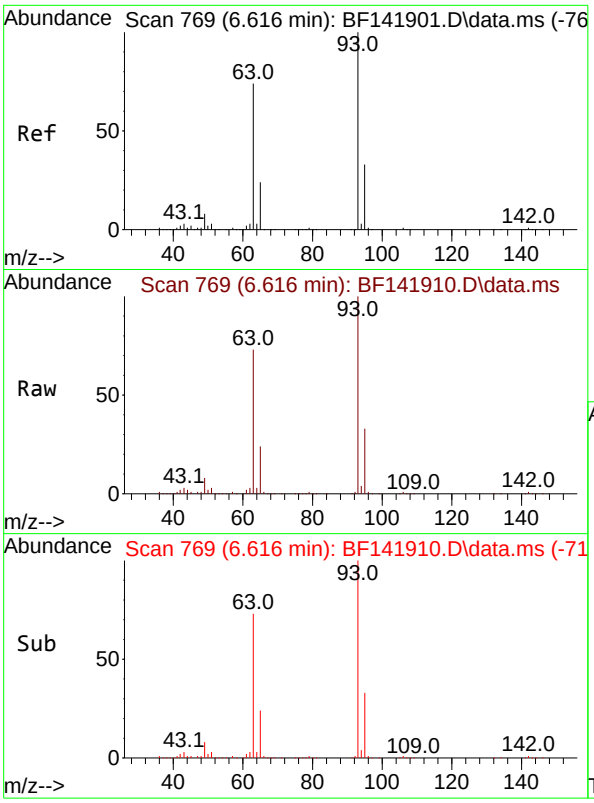


#10
Phenol
Concen: 38.098 ng
RT: 6.516 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion: 94 Resp: 651072

Ion	Ratio	Lower	Upper
94	100		
65	30.8	10.5	50.5
66	47.7	25.8	65.8



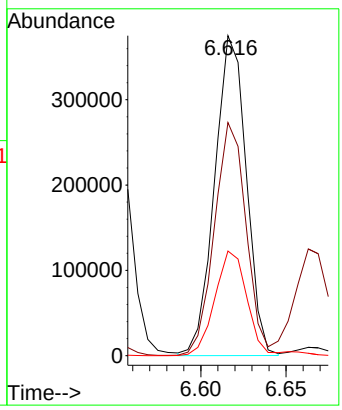


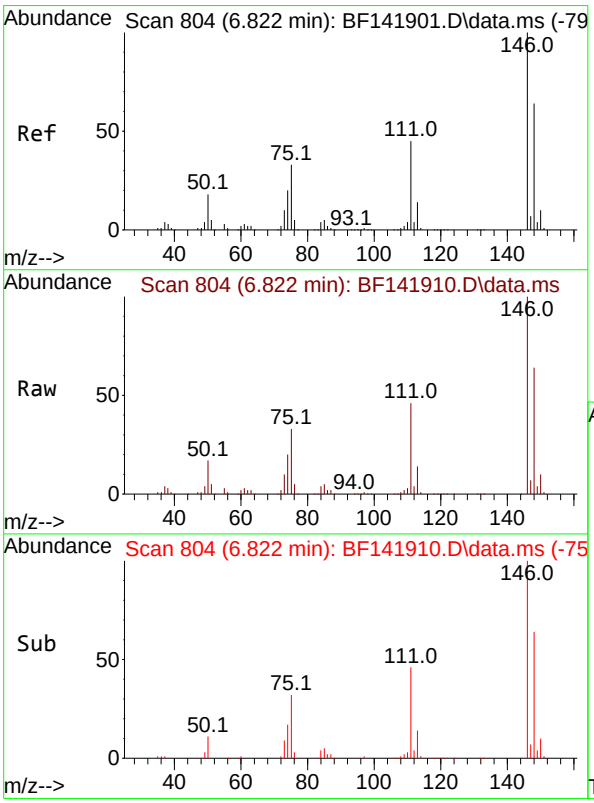
#11
bis(2-Chloroethyl)ether
Concen: 37.748 ng
RT: 6.616 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 484388

Ion	Ratio	Lower	Upper
93	100		
63	72.8	53.0	93.0
95	32.7	12.9	52.9

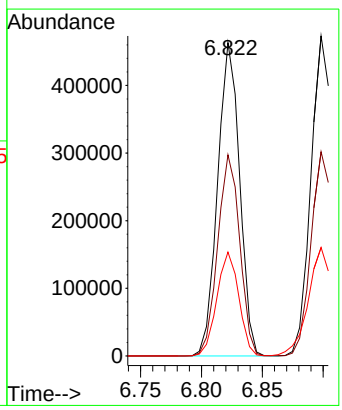


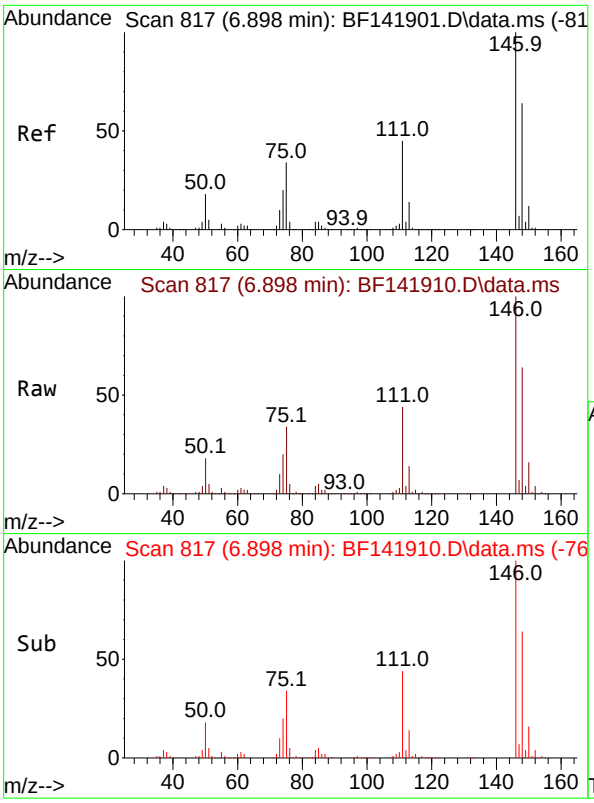


#12
1,3-Dichlorobenzene
Concen: 38.163 ng
RT: 6.822 min Scan# 804
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:146 Resp: 582982

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.3	76.9
75	33.2	26.6	40.0



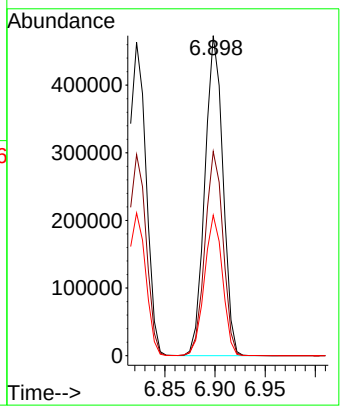


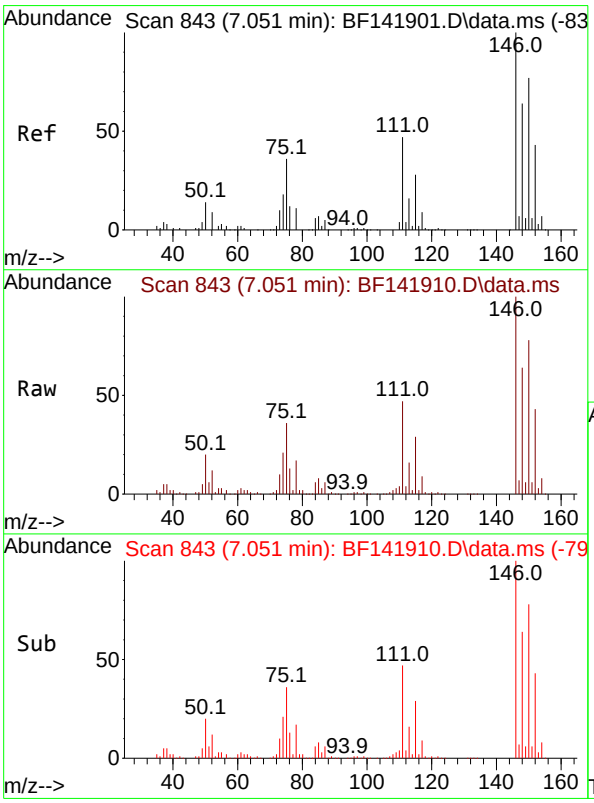
#13
1,4-Dichlorobenzene
Concen: 38.438 ng
RT: 6.898 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 594118

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.0	76.6
111	43.9	35.7	53.5

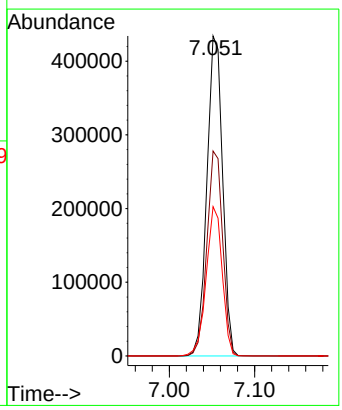


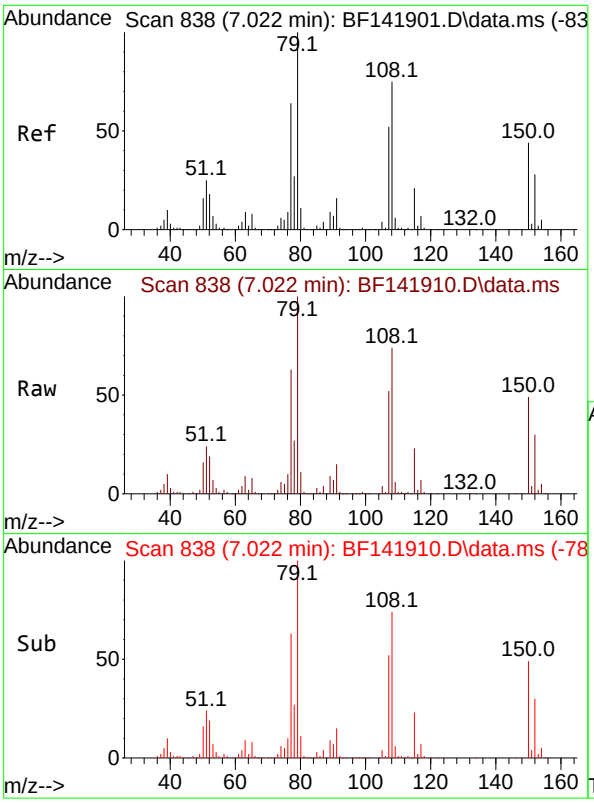


#14
1,2-Dichlorobenzene
Concen: 38.106 ng
RT: 7.051 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:146 Resp: 554766

Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.8	76.2
111	46.6	38.0	57.0



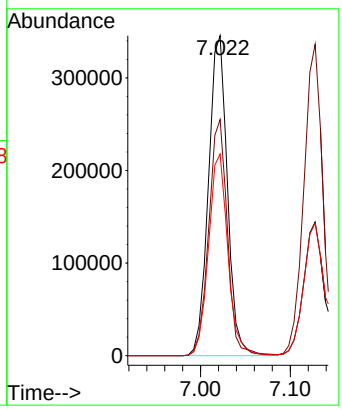


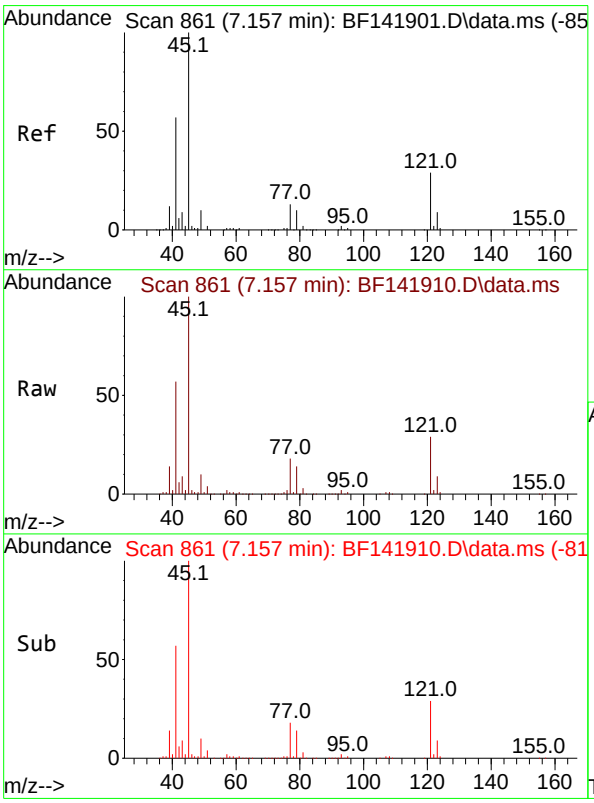
#15
Benzyl Alcohol
Concen: 38.547 ng
RT: 7.022 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 506215

Ion	Ratio	Lower	Upper
79	100		
108	73.8	59.7	89.5
77	63.0	51.0	76.6

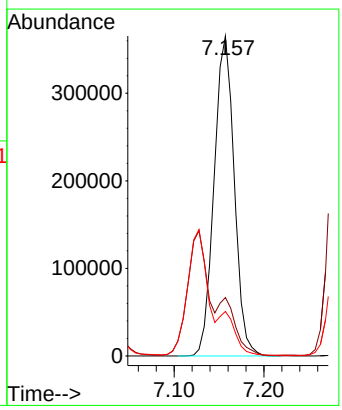


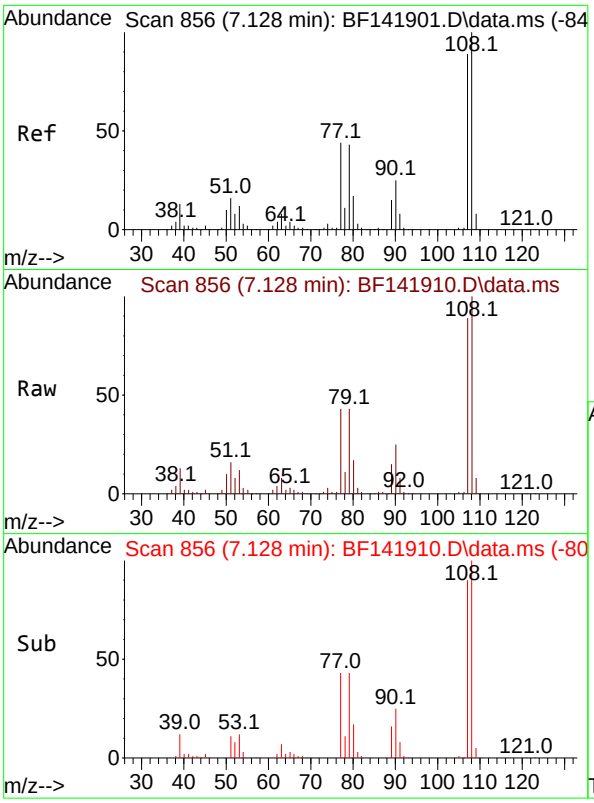


#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.712 ng
RT: 7.157 min Scan# 861
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion: 45 Resp: 568739

Ion	Ratio	Lower	Upper
45	100		
77	18.3	0.0	37.8
79	13.9	0.0	34.2



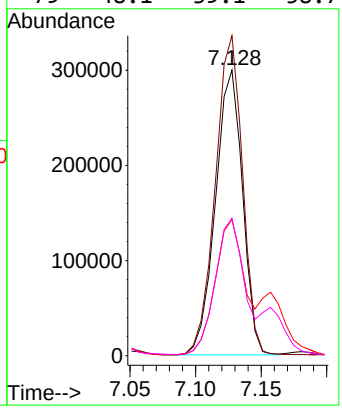


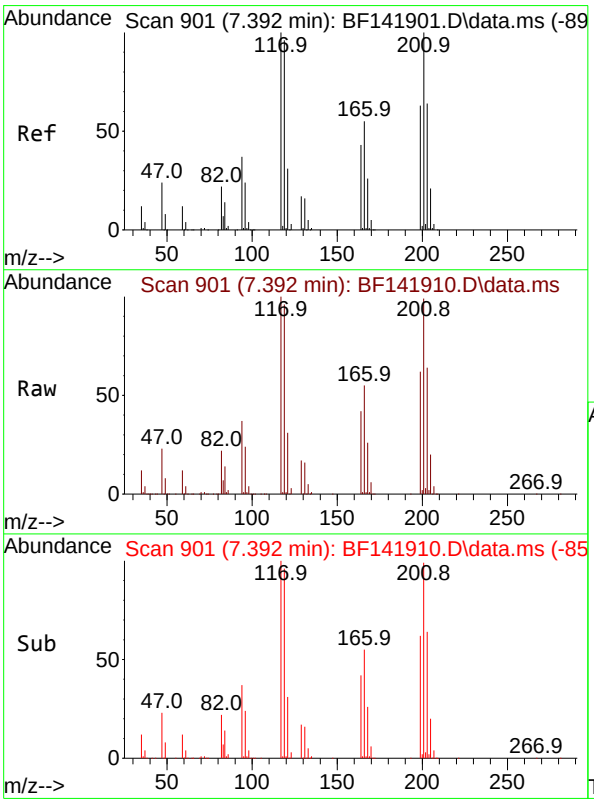
#17
2-Methylphenol
Concen: 38.255 ng
RT: 7.128 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 430396

Ion	Ratio	Lower	Upper
107	100		
108	112.0	90.2	135.2
77	47.7	39.6	59.4
79	48.1	39.1	58.7

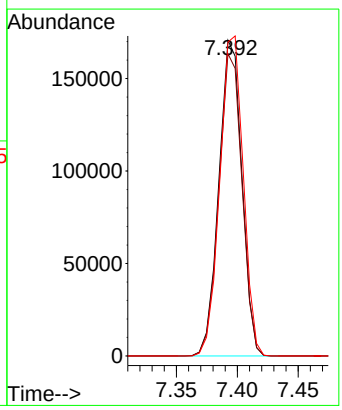


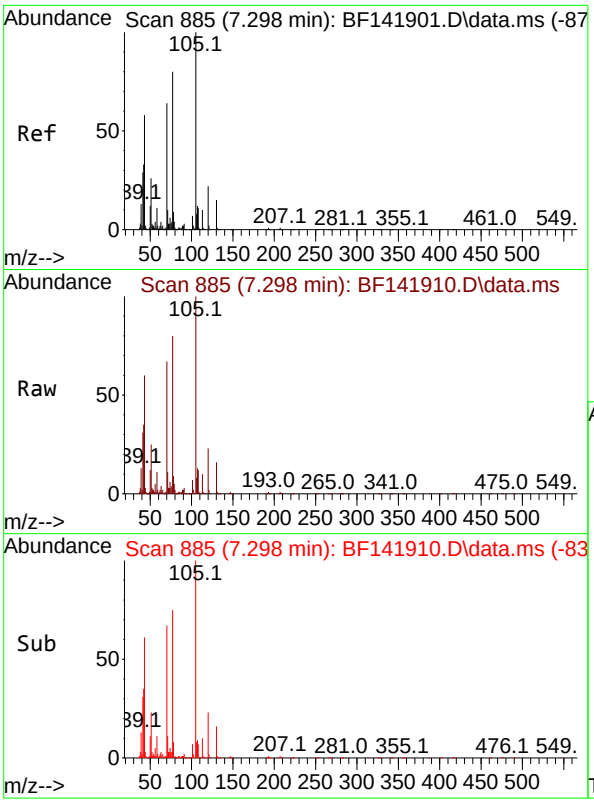


#18
Hexachloroethane
Concen: 38.853 ng
RT: 7.392 min Scan# 901
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:117 Resp: 225190

Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.9	115.3
201	99.4	79.9	119.9



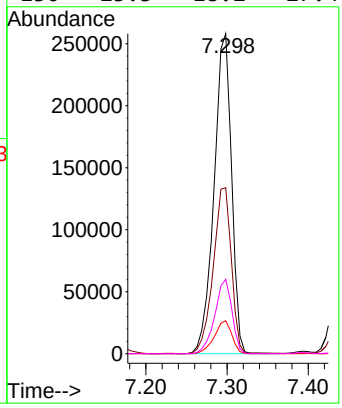


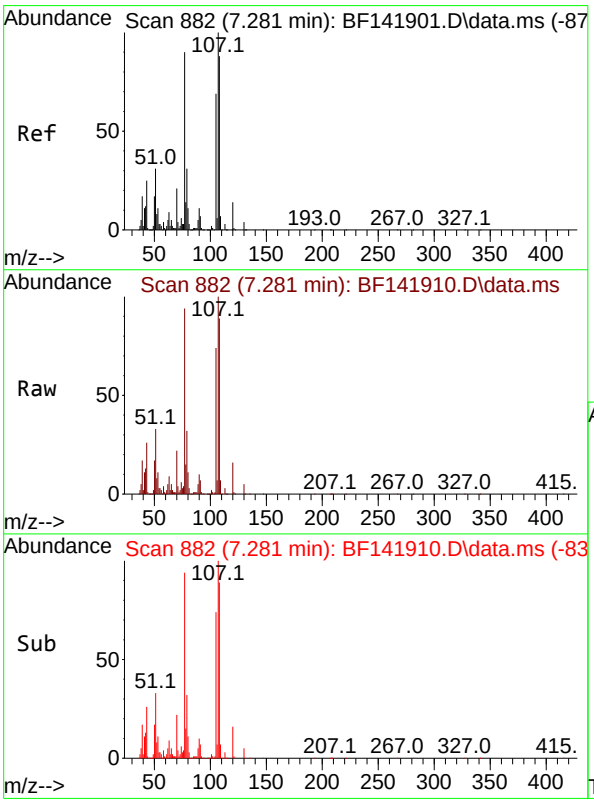
#19
n-Nitroso-di-n-propylamine
Concen: 37.118 ng
RT: 7.298 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 387430

Ion	Ratio	Lower	Upper
70	100		
42	51.9	41.4	62.0
101	10.3	8.2	12.2
130	23.3	18.2	27.4

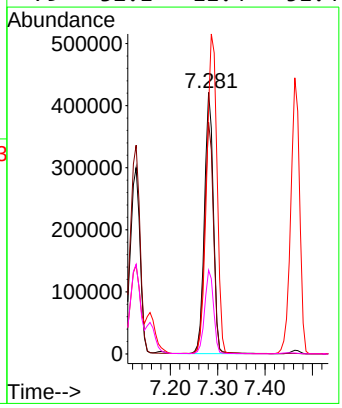


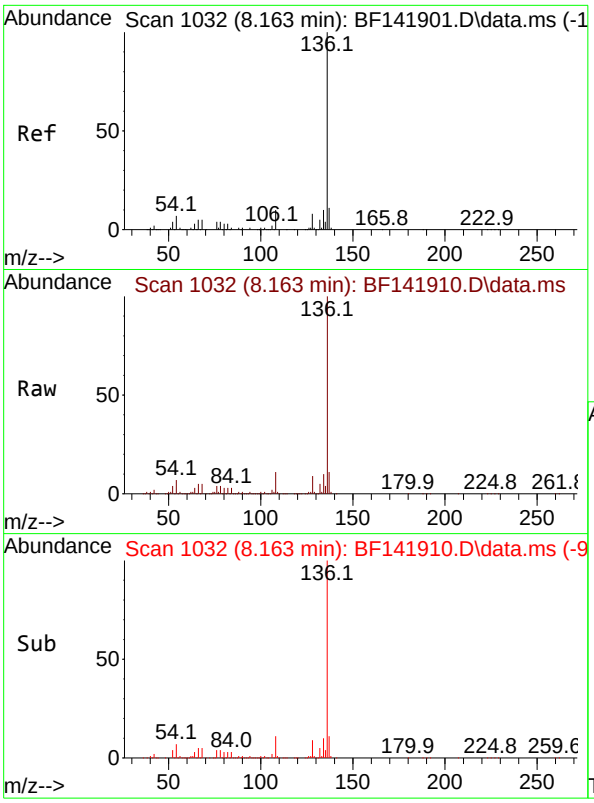


#20
3+4-Methylphenols
Concen: 38.055 ng
RT: 7.281 min Scan# 882
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:107 Resp: 548388

Ion	Ratio	Lower	Upper
107	100		
108	88.6	68.4	108.4
77	93.8	69.7	109.7
79	32.1	11.4	51.4



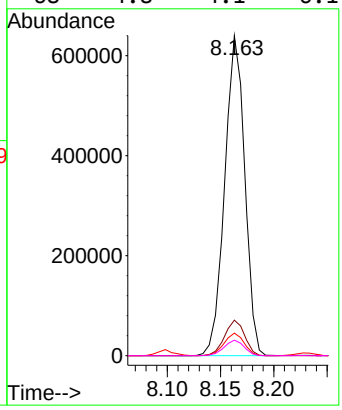


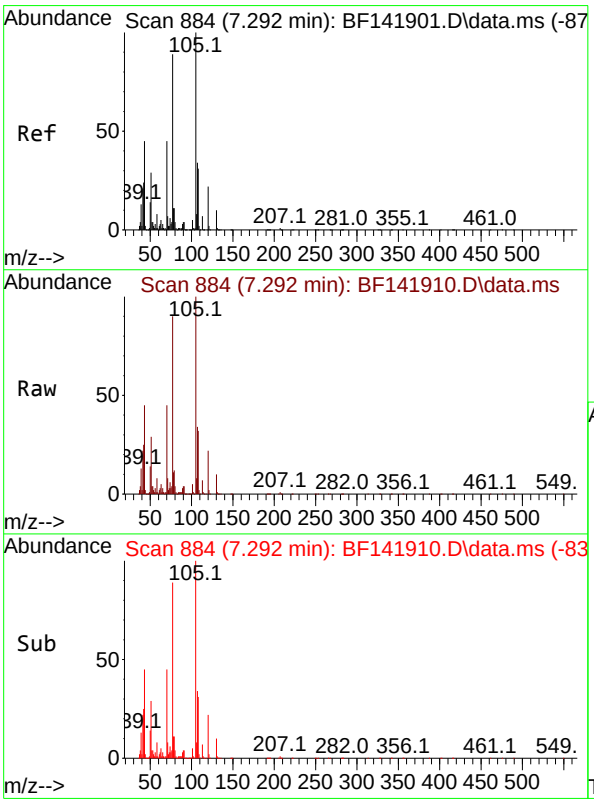
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 840081

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	7.0	5.8	8.8
68	4.8	4.1	6.1

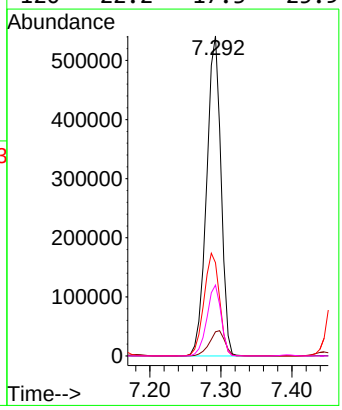


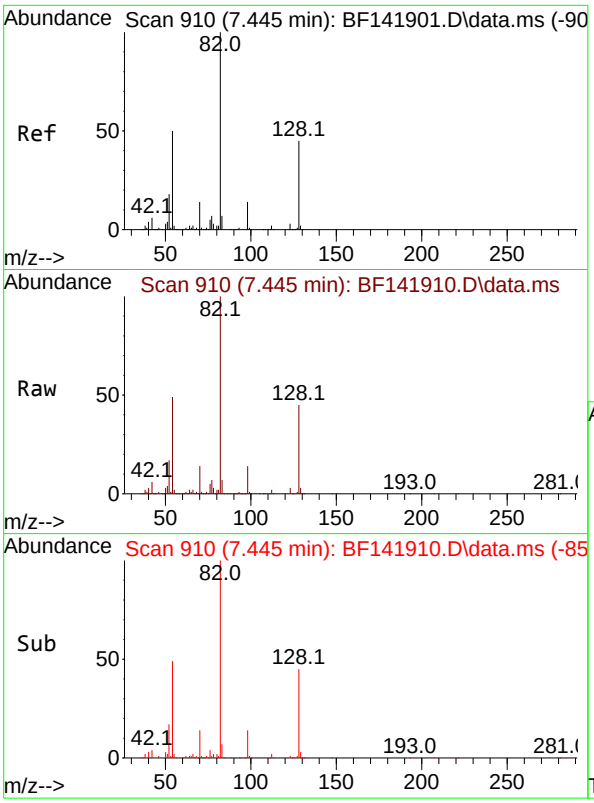


#22
Acetophenone
Concen: 37.949 ng
RT: 7.292 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:105 Resp: 763464

Ion	Ratio	Lower	Upper
105	100		
71	7.6	5.8	8.8
51	29.1	23.4	35.0
120	22.2	17.3	25.9



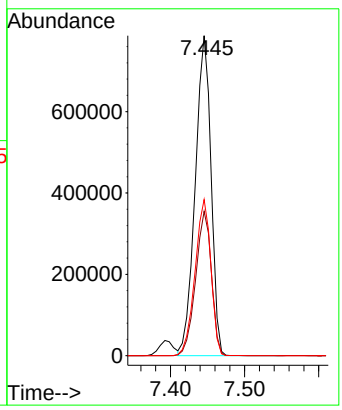


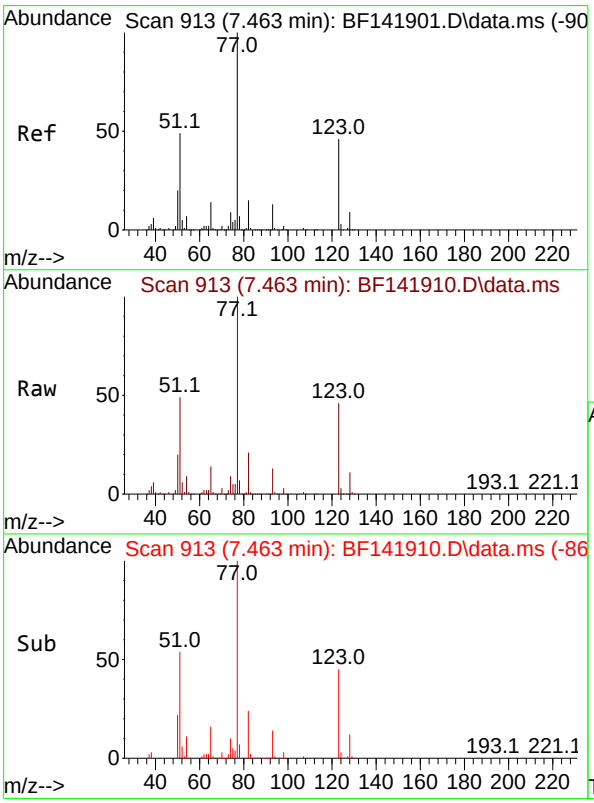
#23
Nitrobenzene-d5
Concen: 78.146 ng
RT: 7.445 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 1166556

Ion	Ratio	Lower	Upper
82	100		
128	45.1	36.0	54.0
54	48.8	39.6	59.4

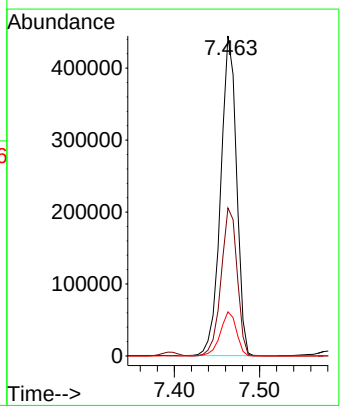


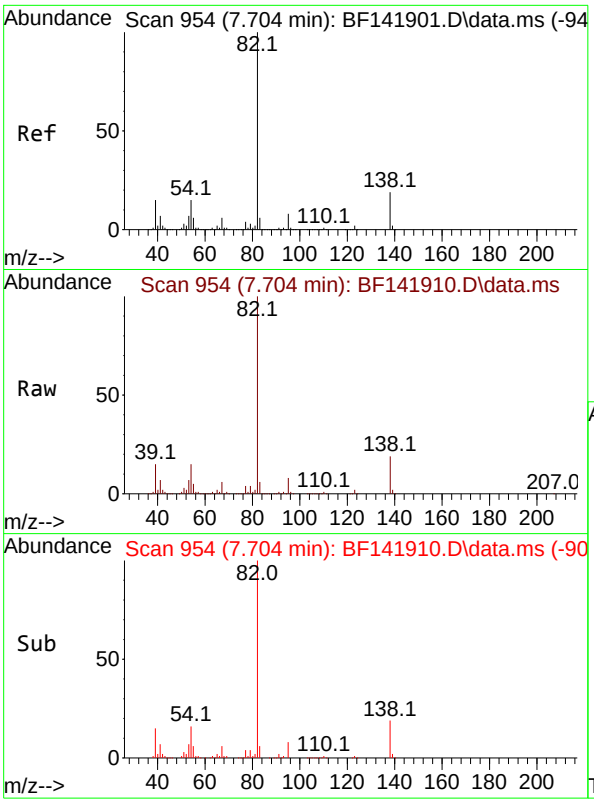


#24
Nitrobenzene
Concen: 38.869 ng
RT: 7.463 min Scan# 913
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion: 77 Resp: 576817

Ion	Ratio	Lower	Upper
77	100		
123	46.3	37.0	55.4
65	13.8	11.3	16.9



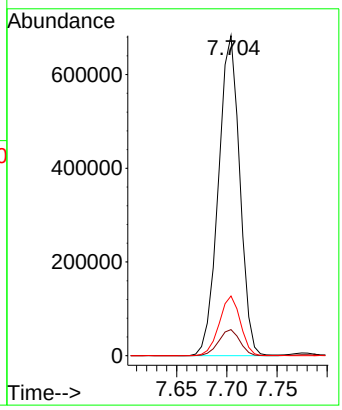


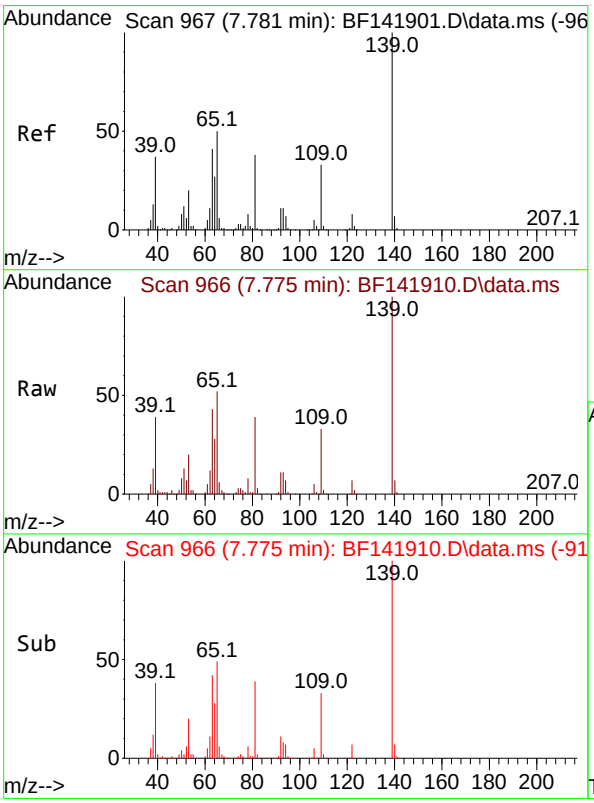
#25
Isophorone
Concen: 38.255 ng
RT: 7.704 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 1009454

Ion	Ratio	Lower	Upper
82	100		
95	8.2	6.4	9.6
138	18.6	14.9	22.3

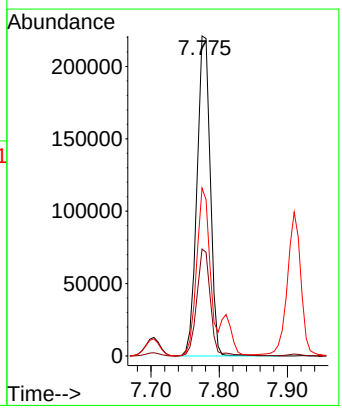


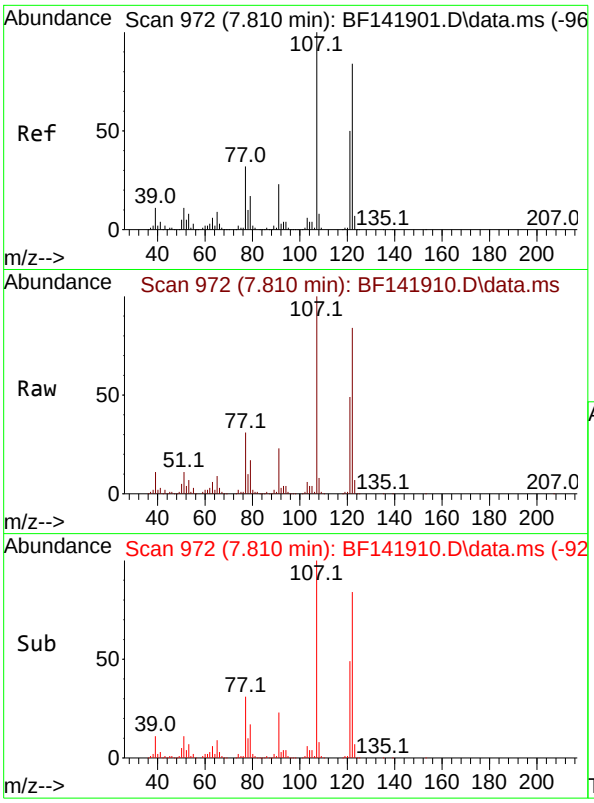


#26
2-Nitrophenol
Concen: 41.039 ng
RT: 7.775 min Scan# 966
Delta R.T. -0.006 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:139 Resp: 298908

Ion	Ratio	Lower	Upper
139	100		
109	33.4	26.5	39.7
65	52.4	40.3	60.5



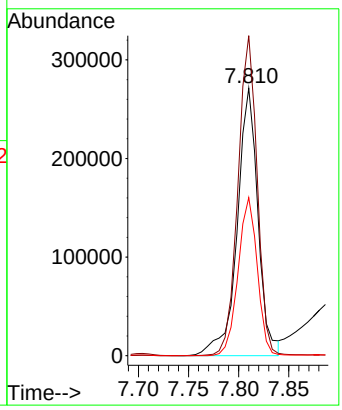


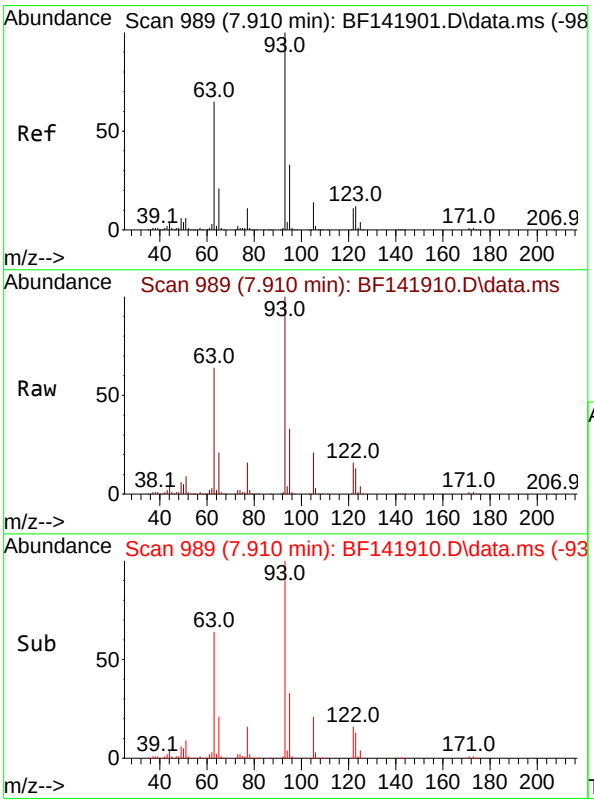
#27
2,4-Dimethylphenol
Concen: 39.112 ng
RT: 7.810 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 392258

Ion	Ratio	Lower	Upper
122	100		
107	119.6	94.8	142.2
121	59.1	47.8	71.6

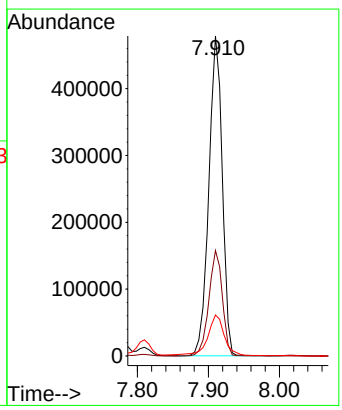


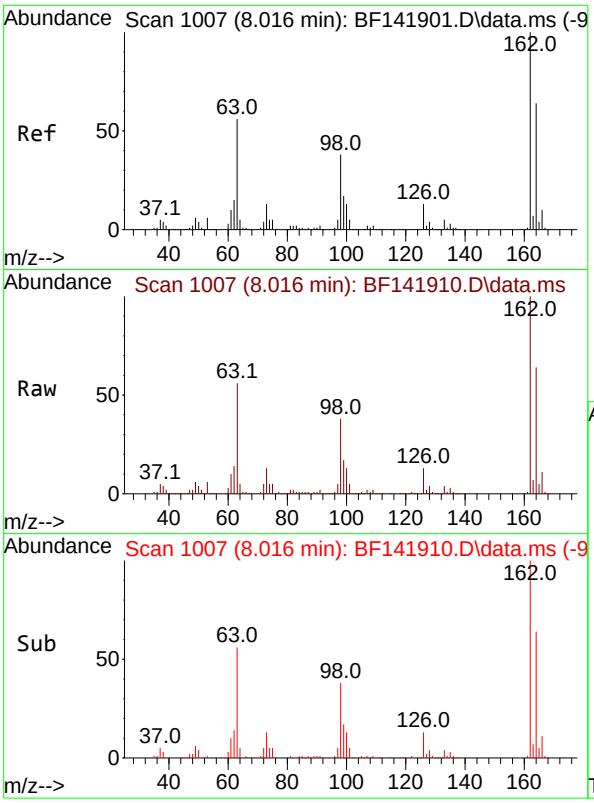


#28
bis(2-Chloroethoxy)methane
Concen: 38.044 ng
RT: 7.910 min Scan# 989
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion: 93 Resp: 629638

Ion	Ratio	Lower	Upper
93	100		
95	33.0	26.6	40.0
123	12.8	10.2	15.4



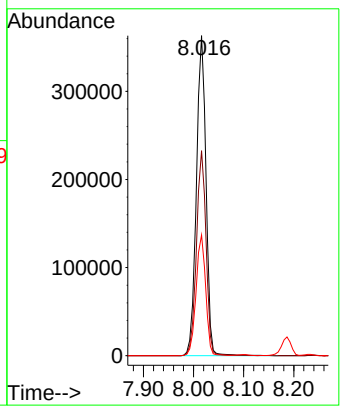


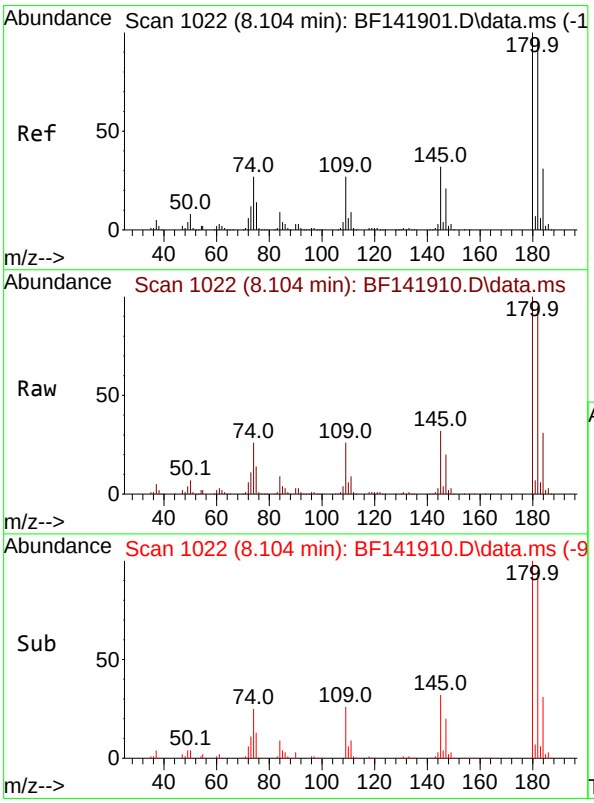
#29
2,4-Dichlorophenol
Concen: 38.695 ng
RT: 8.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 481689

Ion	Ratio	Lower	Upper
162	100		
164	64.0	43.8	83.8
98	37.7	18.1	58.1

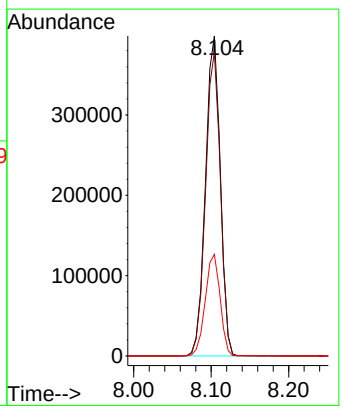


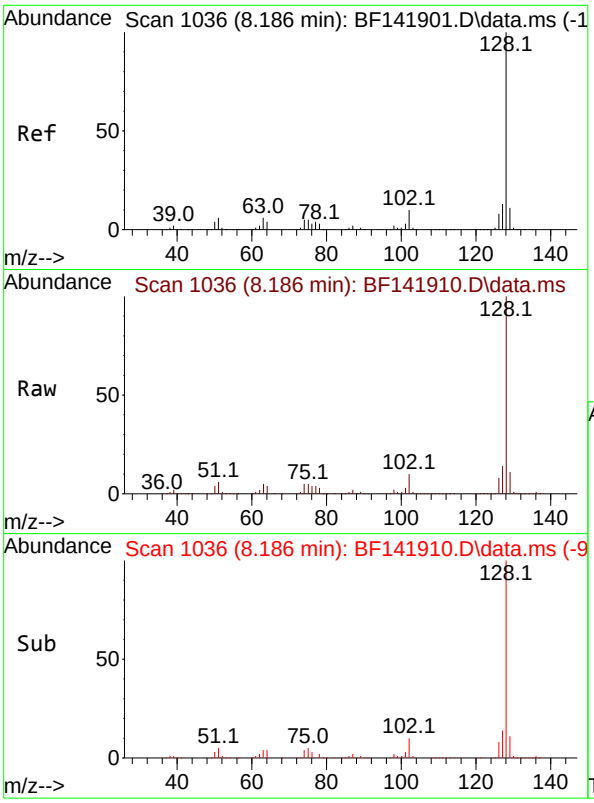


#30
1,2,4-Trichlorobenzene
Concen: 38.575 ng
RT: 8.104 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:180 Resp: 529203

Ion	Ratio	Lower	Upper
180	100		
182	95.0	77.5	116.3
145	31.8	25.8	38.6



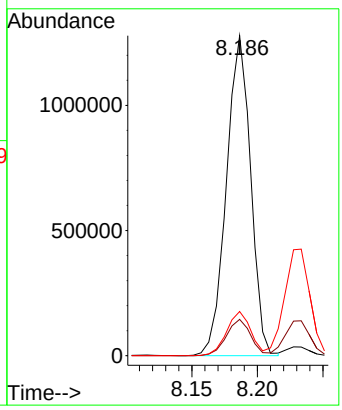


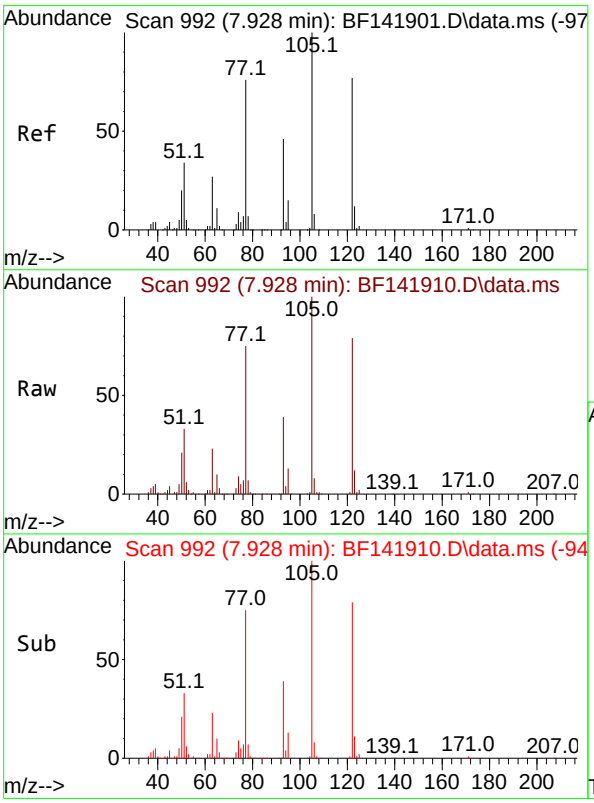
#31
Naphthalene
Concen: 38.085 ng
RT: 8.186 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 1643492

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.0	13.6
127	13.8	10.8	16.2

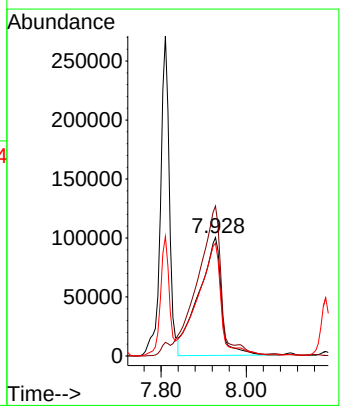


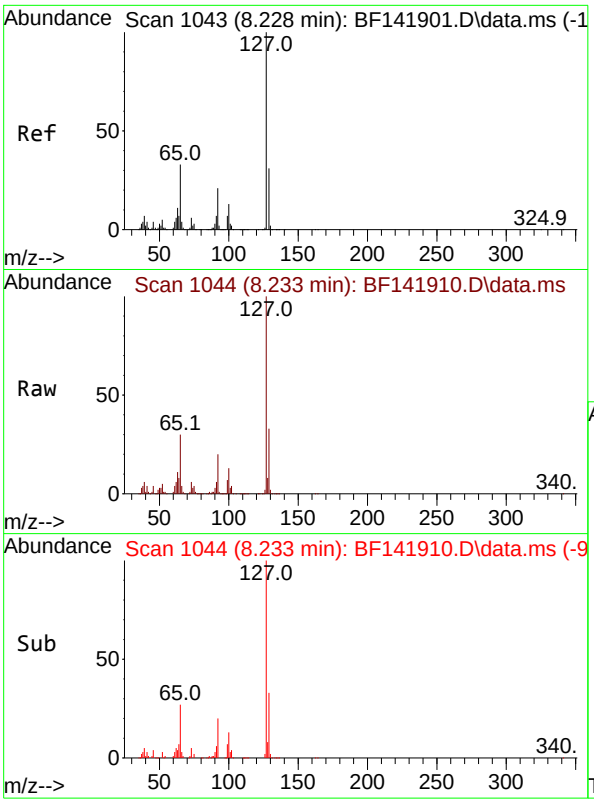


#32
Benzoic acid
Concen: 41.912 ng
RT: 7.928 min Scan# 992
Delta R.T. -0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:122 Resp: 369497

Ion	Ratio	Lower	Upper
122	100		
105	126.6	107.9	147.9
77	95.3	79.0	119.0



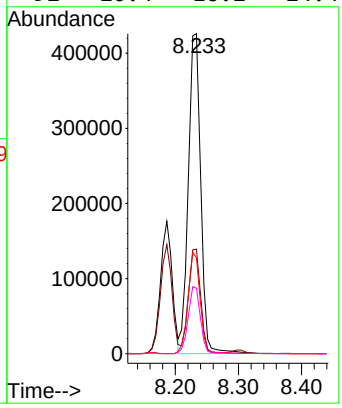


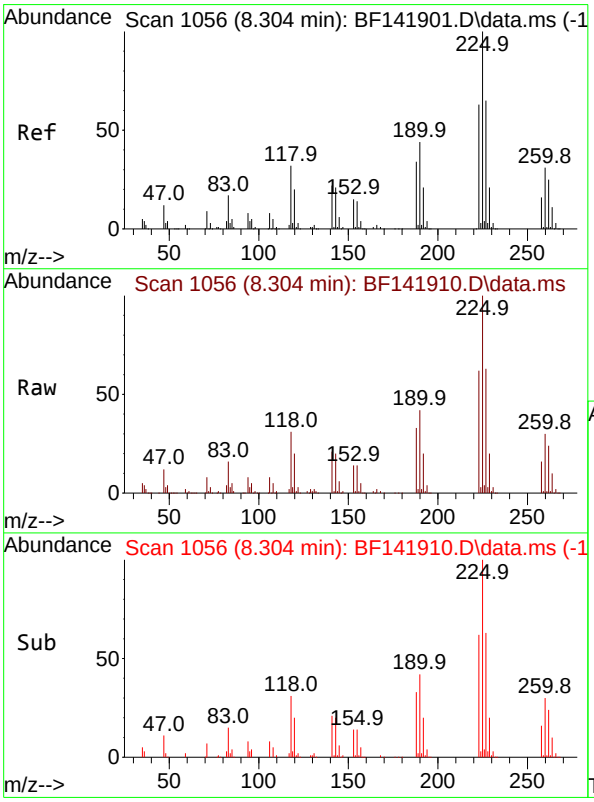
#33
4-Chloroaniline
Concen: 38.457 ng
RT: 8.233 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 585849

Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.2	39.4
65	30.0	25.4	38.2
92	20.4	16.2	24.4

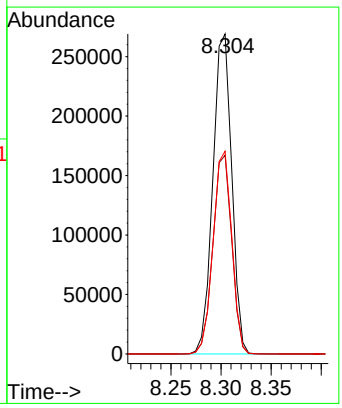


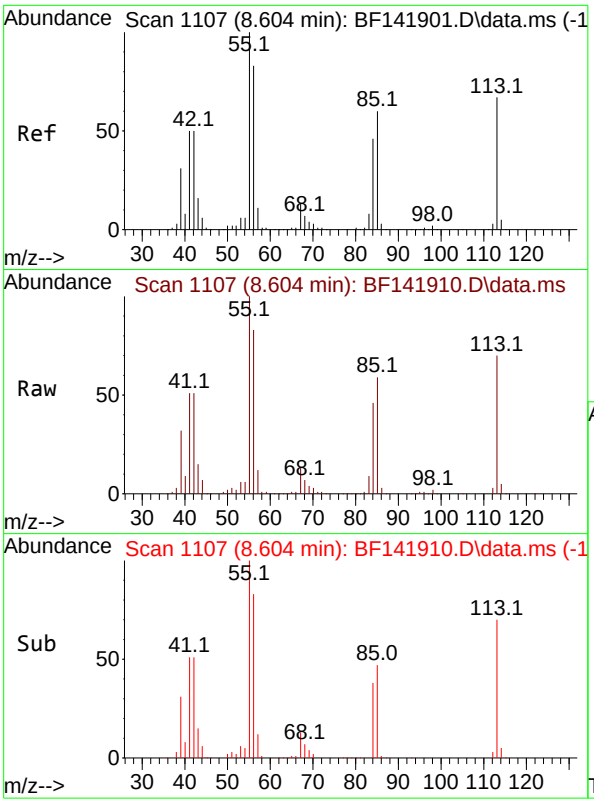


#34
Hexachlorobutadiene
Concen: 39.286 ng
RT: 8.304 min Scan# 1056
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:225 Resp: 351479

Ion	Ratio	Lower	Upper
225	100		
223	62.1	50.6	75.8
227	63.4	52.2	78.2



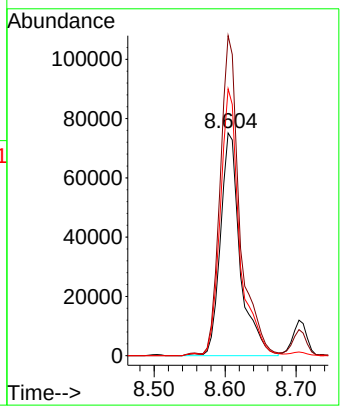


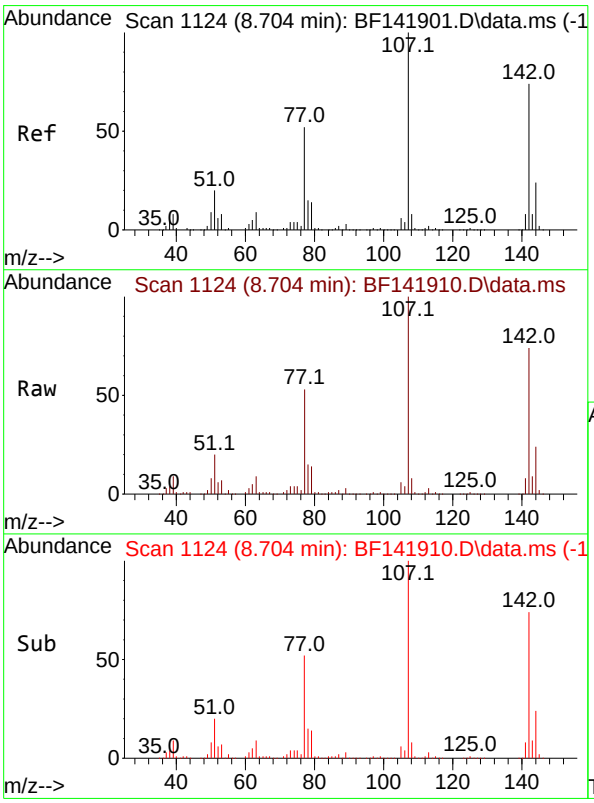
#35
Caprolactam
Concen: 38.112 ng
RT: 8.604 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 144643

Ion	Ratio	Lower	Upper
113	100		
55	143.6	129.6	169.6
56	119.8	104.0	144.0

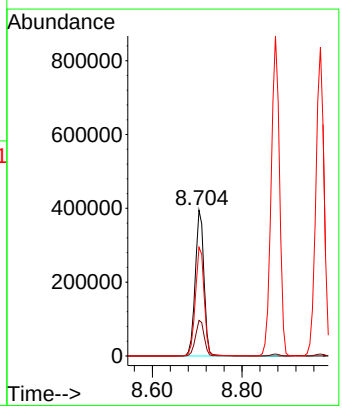


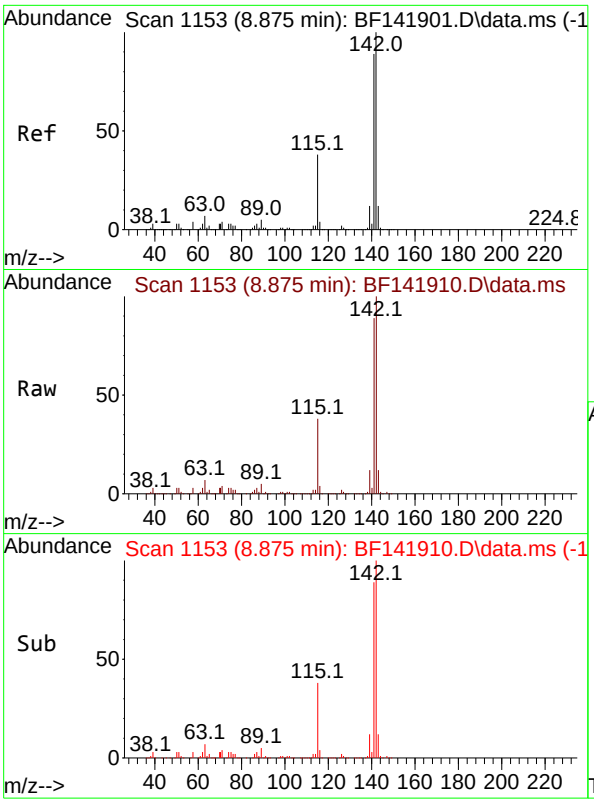


#36
4-Chloro-3-methylphenol
Concen: 38.467 ng
RT: 8.704 min Scan# 1124
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:107 Resp: 534161

Ion	Ratio	Lower	Upper
107	100		
144	24.4	19.0	28.6
142	74.5	59.2	88.8



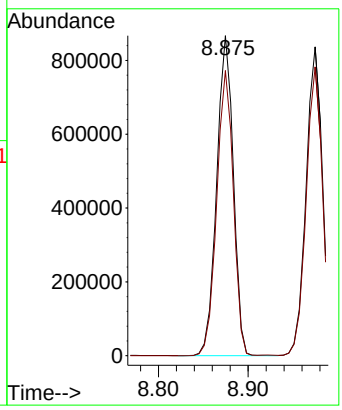


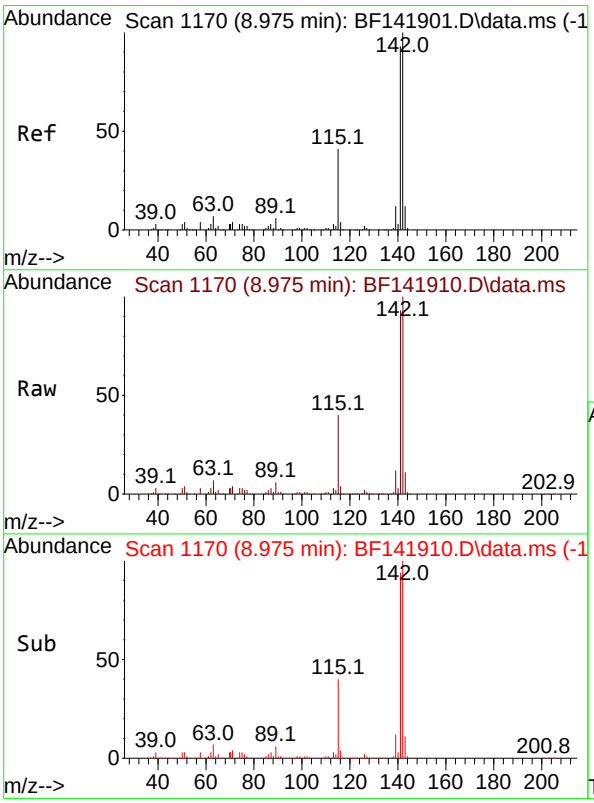
#37
2-Methylnaphthalene
Concen: 38.672 ng
RT: 8.875 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 1115480

Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.2	106.8

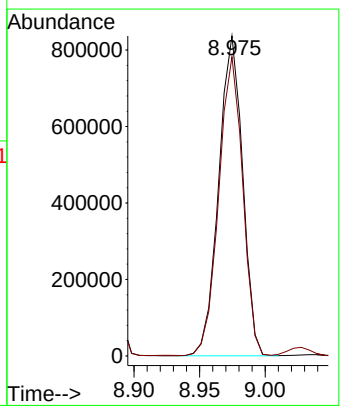


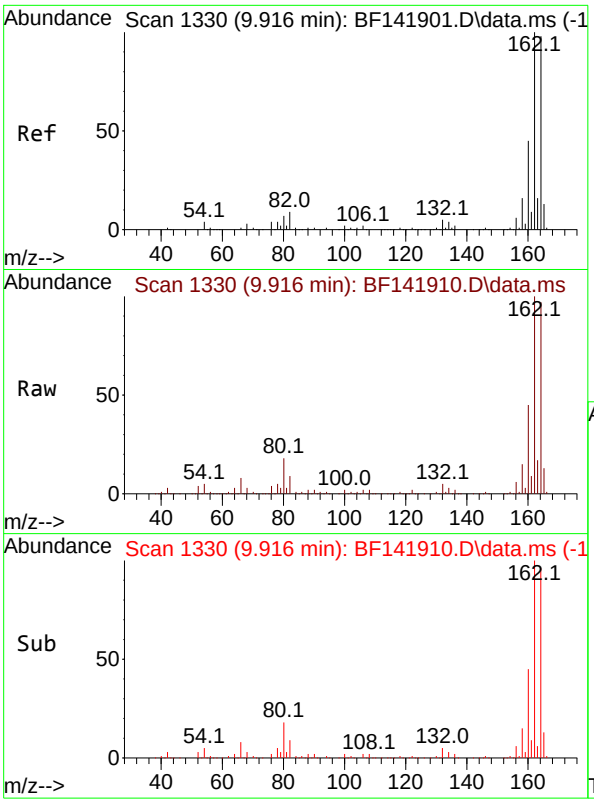


#38
1-Methylnaphthalene
Concen: 38.099 ng
RT: 8.975 min Scan# 1170
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:142 Resp: 1060457

Ion	Ratio	Lower	Upper
142	100		
141	93.5	74.2	111.4



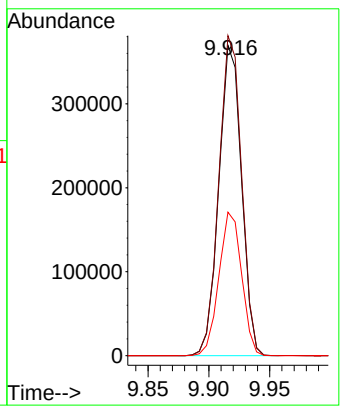


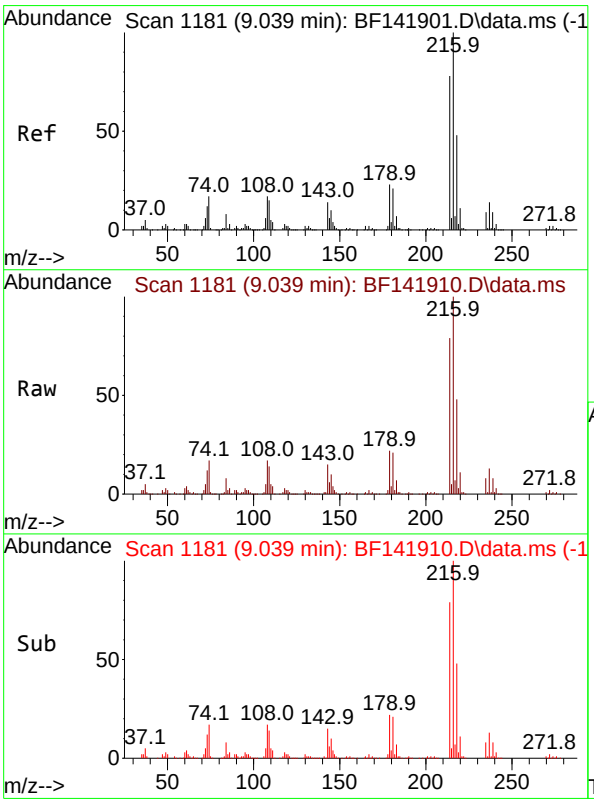
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 479107

Ion	Ratio	Lower	Upper
164	100		
162	103.2	81.8	122.6
160	46.3	36.7	55.1

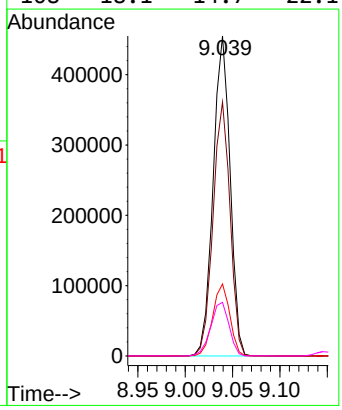


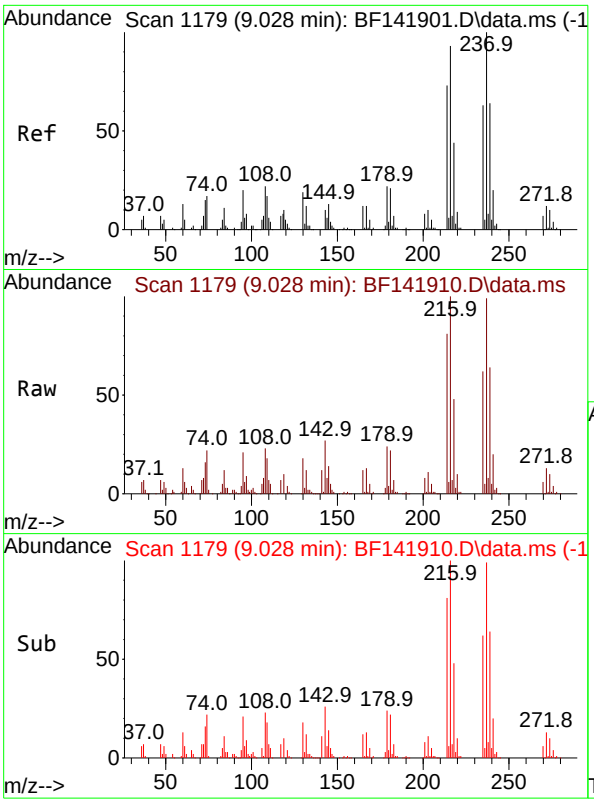


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.978 ng
RT: 9.039 min Scan# 1181
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:216 Resp: 568573

Ion	Ratio	Lower	Upper
216	100		
214	79.5	61.9	92.9
179	22.6	18.1	27.1
108	18.1	14.7	22.1



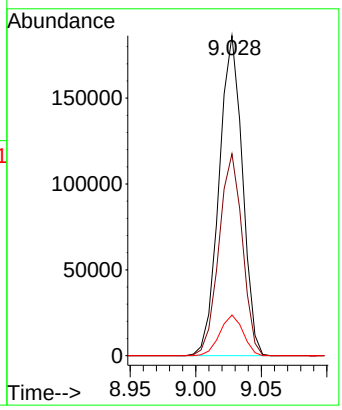


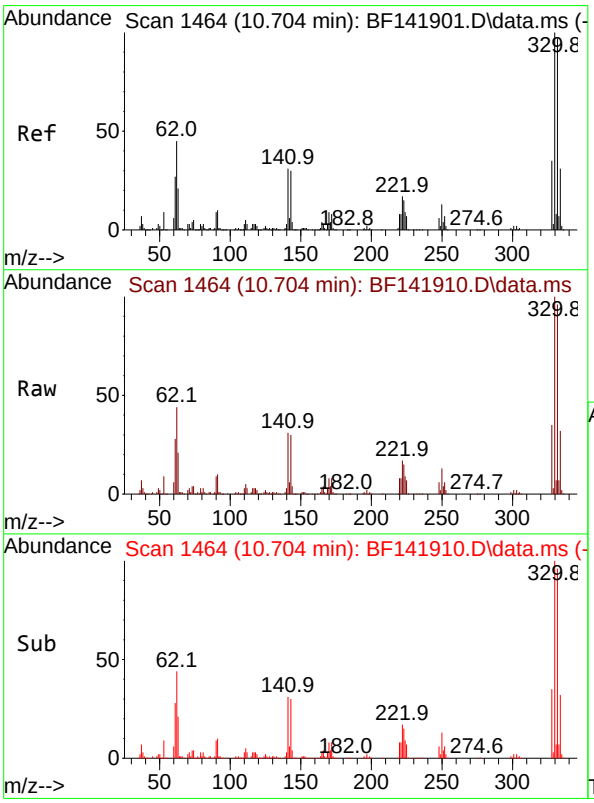
#41
Hexachlorocyclopentadiene
Concen: 40.373 ng
RT: 9.028 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 230480

Ion	Ratio	Lower	Upper
237	100		
235	63.1	43.1	83.1
272	12.7	0.0	32.0

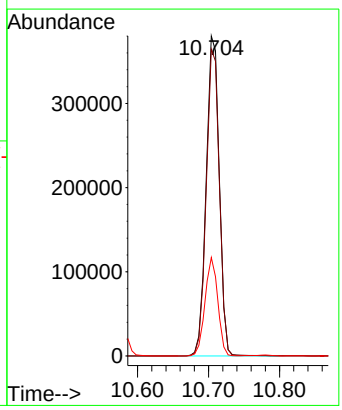


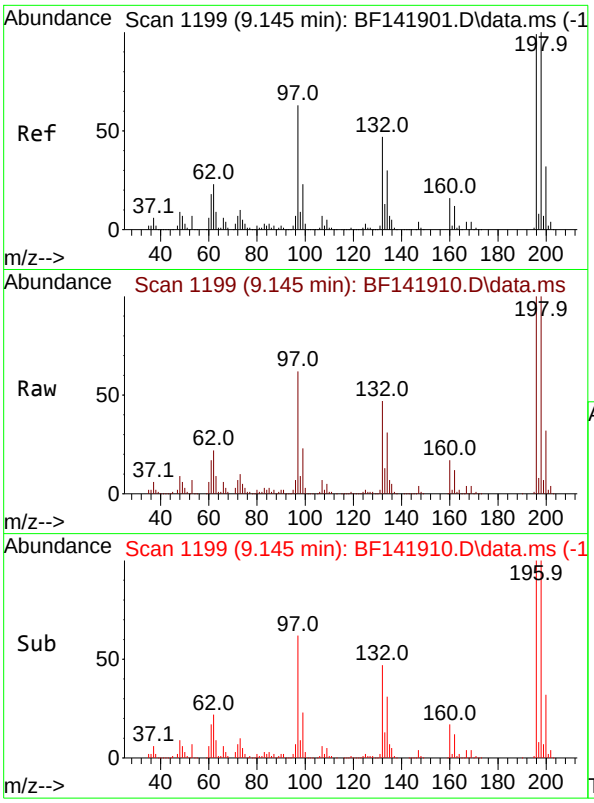


#42
2,4,6-Tribromophenol
Concen: 80.359 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:330 Resp: 488429

Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.6	116.4
141	30.0	24.7	37.1



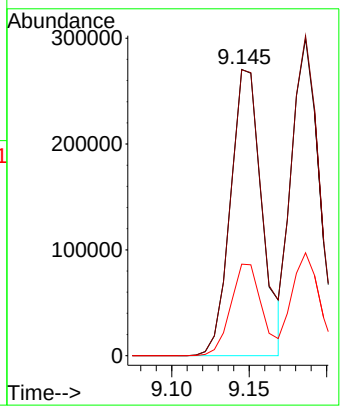


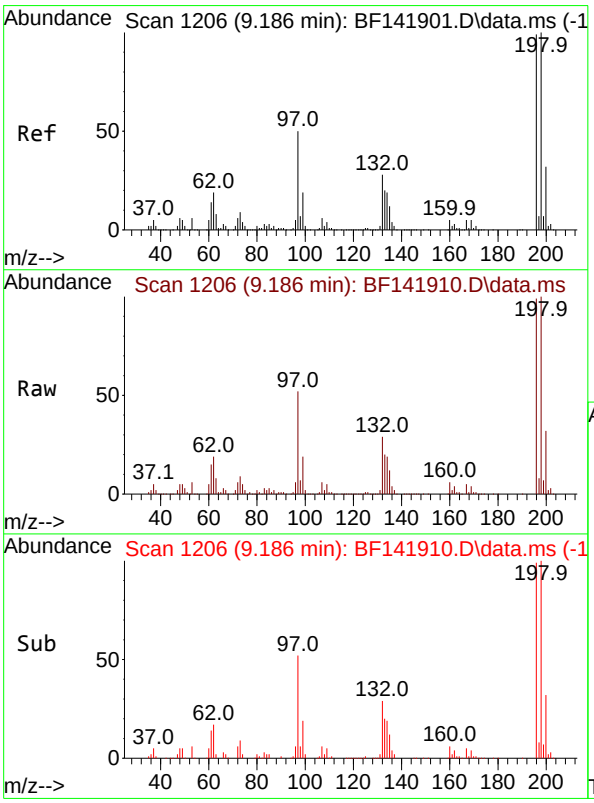
#43
2,4,6-Trichlorophenol
Concen: 40.071 ng
RT: 9.145 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 382004

Ion	Ratio	Lower	Upper
196	100		
198	99.9	80.6	121.0
200	32.0	25.8	38.6

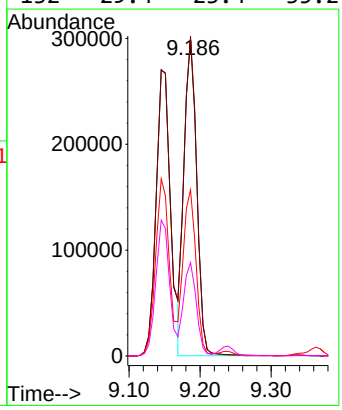


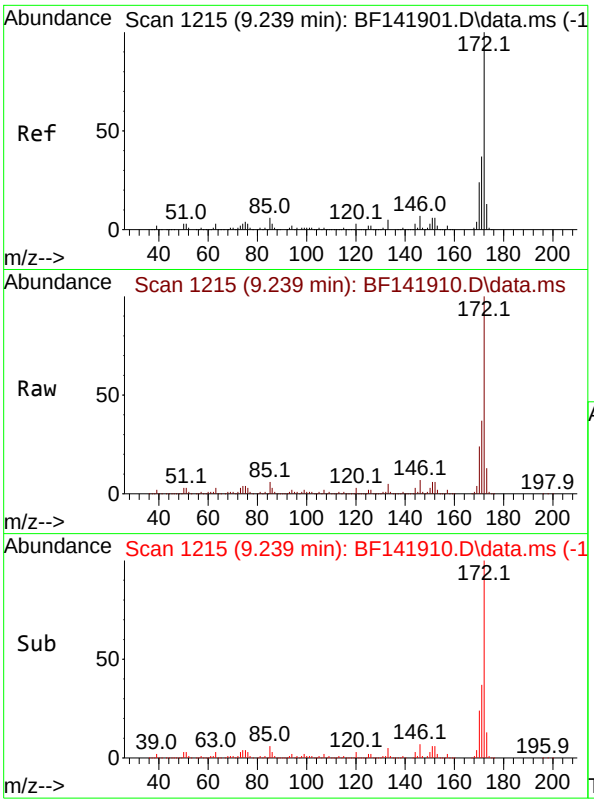


#44
2,4,5-Trichlorophenol
Concen: 38.614 ng
RT: 9.186 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:196 Resp: 372824

Ion	Ratio	Lower	Upper
196	100		
198	100.9	80.7	121.1
97	52.4	42.1	63.1
132	29.4	23.4	35.2



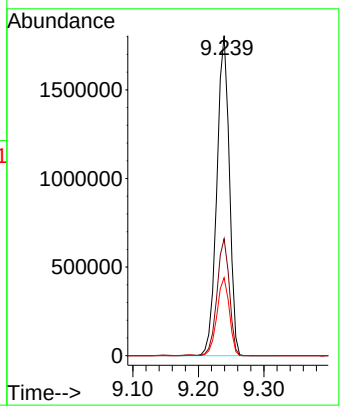


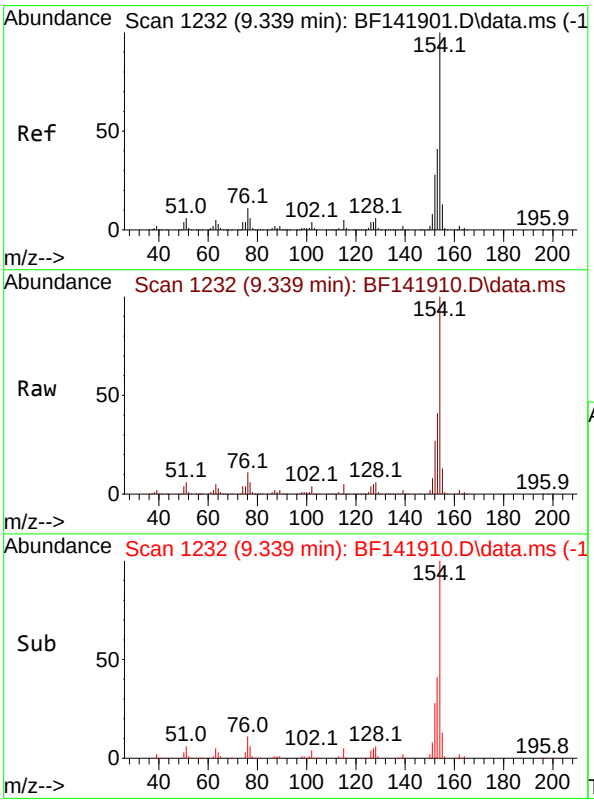
#45
2-Fluorobiphenyl
Concen: 75.388 ng
RT: 9.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 2374971

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.3	43.9
170	24.4	19.4	29.0

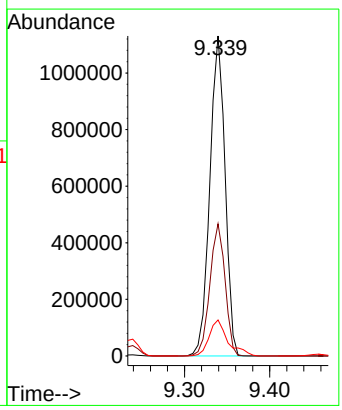


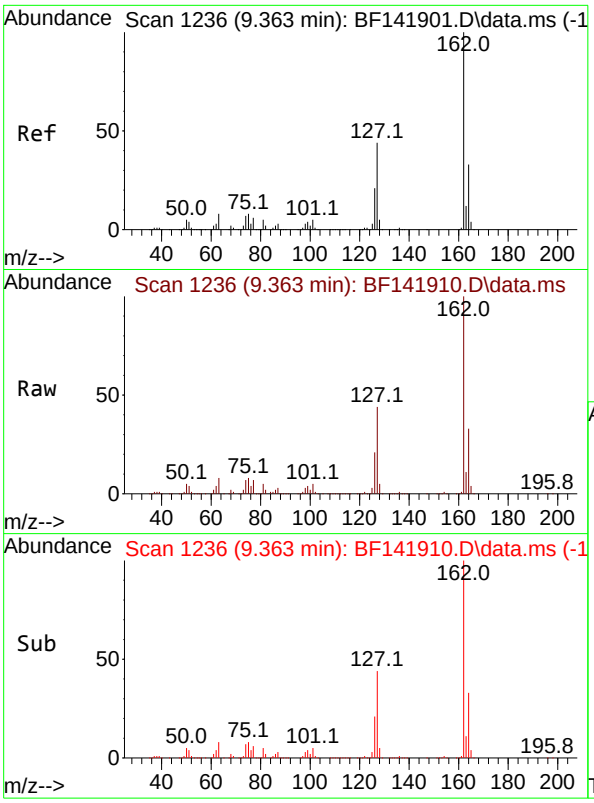


#46
1,1'-Biphenyl
Concen: 38.525 ng
RT: 9.339 min Scan# 1232
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:154 Resp: 1402423

Ion	Ratio	Lower	Upper
154	100		
153	41.3	21.1	61.1
76	11.2	0.0	31.3



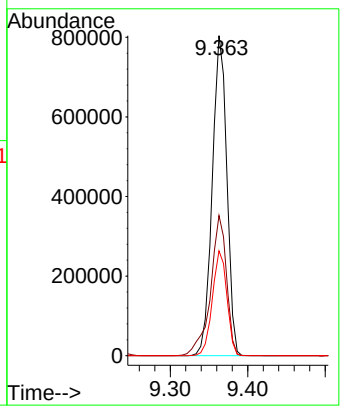


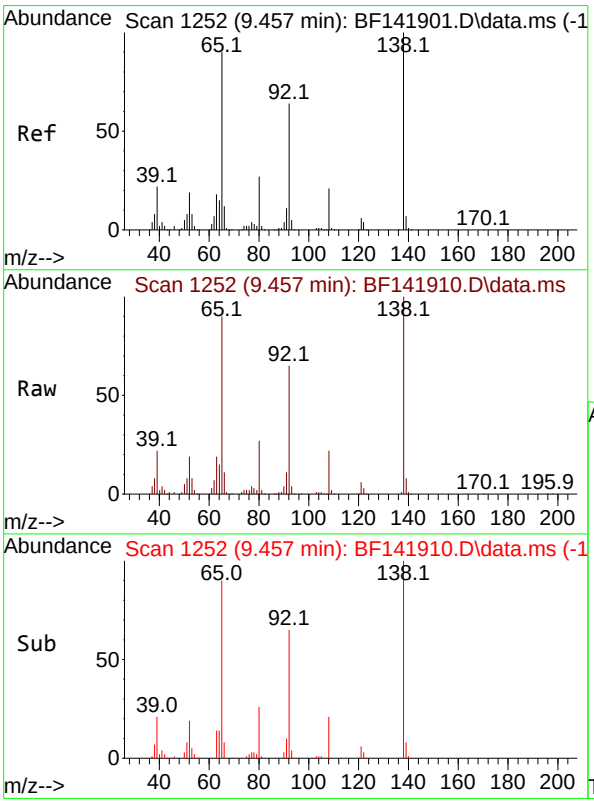
#47
2-Chloronaphthalene
Concen: 38.666 ng
RT: 9.363 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 1049133

Ion	Ratio	Lower	Upper
162	100		
127	43.8	35.5	53.3
164	32.7	26.6	40.0

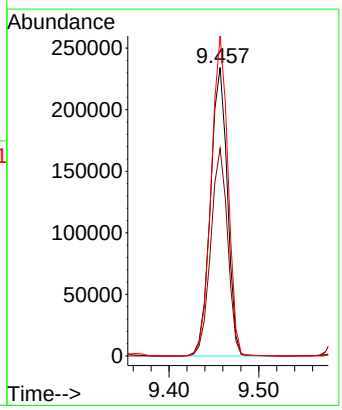


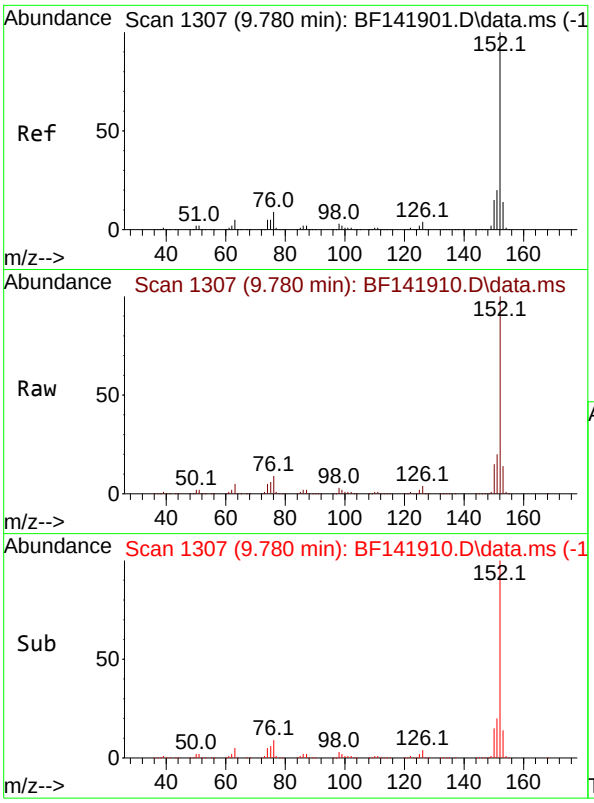


#48
2-Nitroaniline
Concen: 39.109 ng
RT: 9.457 min Scan# 1252
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion: 65 Resp: 307247

Ion	Ratio	Lower	Upper
65	100		
92	71.9	56.6	84.8
138	110.9	88.6	133.0



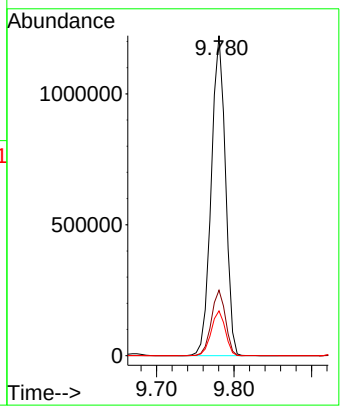


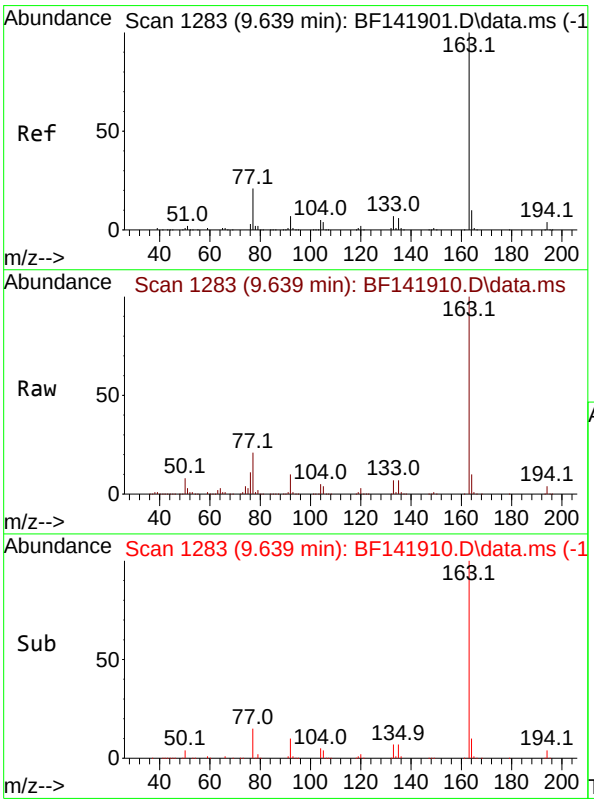
#49
Acenaphthylene
Concen: 38.616 ng
RT: 9.780 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 1554840

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.3	24.5
153	14.0	11.1	16.7

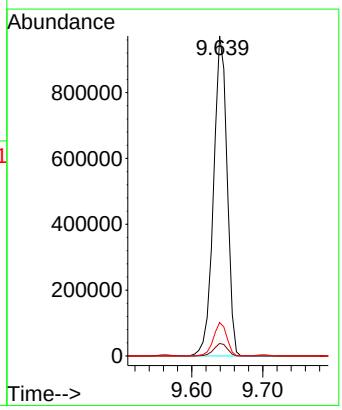


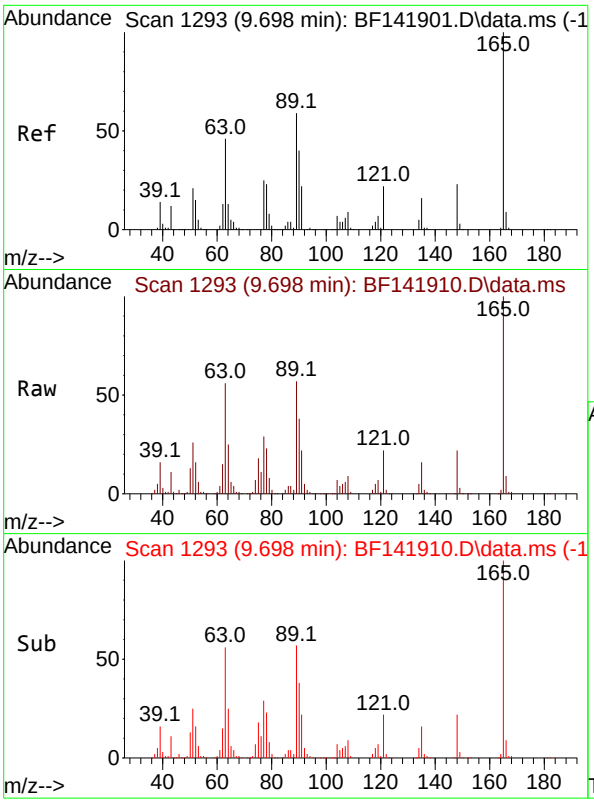


#50
Dimethylphthalate
Concen: 38.265 ng
RT: 9.639 min Scan# 1283
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:163 Resp: 1283810

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.5	8.2	12.4



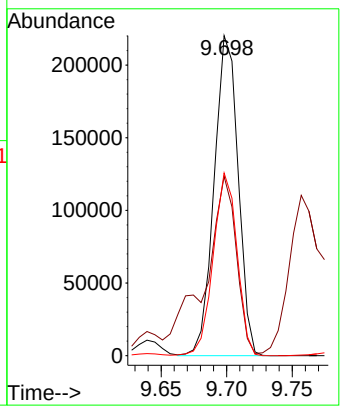


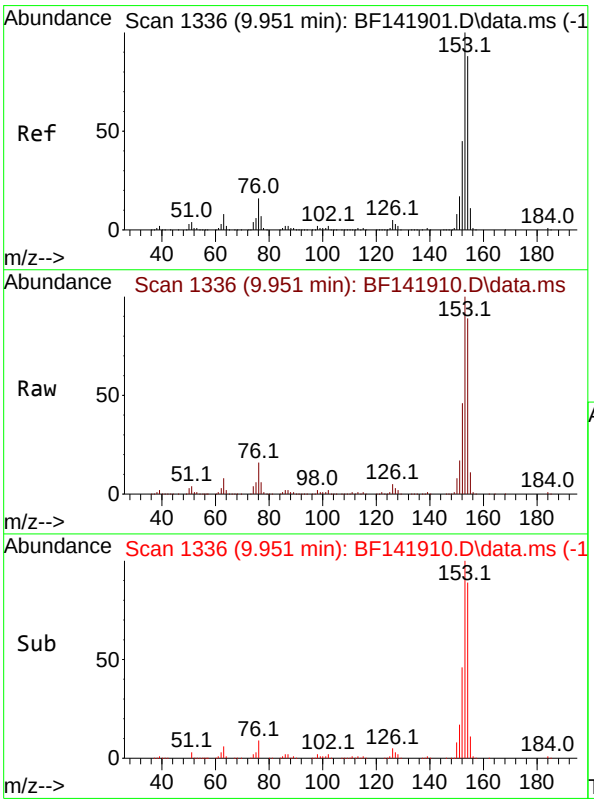
#51
2,6-Dinitrotoluene
Concen: 40.079 ng
RT: 9.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 279974

Ion	Ratio	Lower	Upper
165	100		
63	56.0	47.0	70.4
89	57.1	47.4	71.2

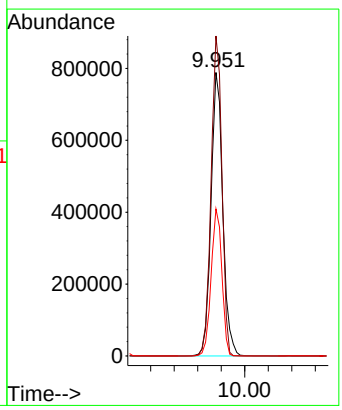


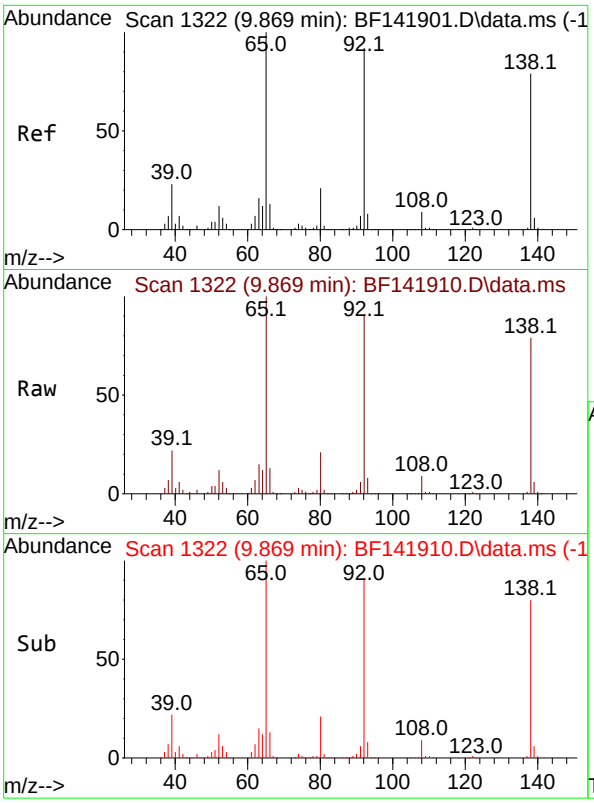


#52
Acenaphthene
Concen: 38.576 ng
RT: 9.951 min Scan# 1336
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:154 Resp: 1091559

Ion	Ratio	Lower	Upper
154	100		
153	112.8	90.7	136.1
152	51.9	41.1	61.7



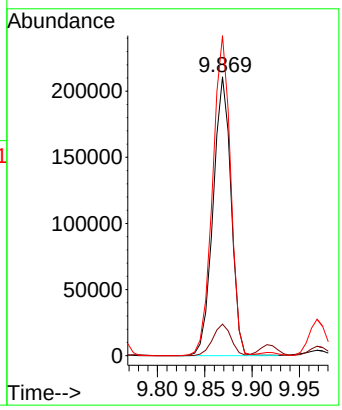


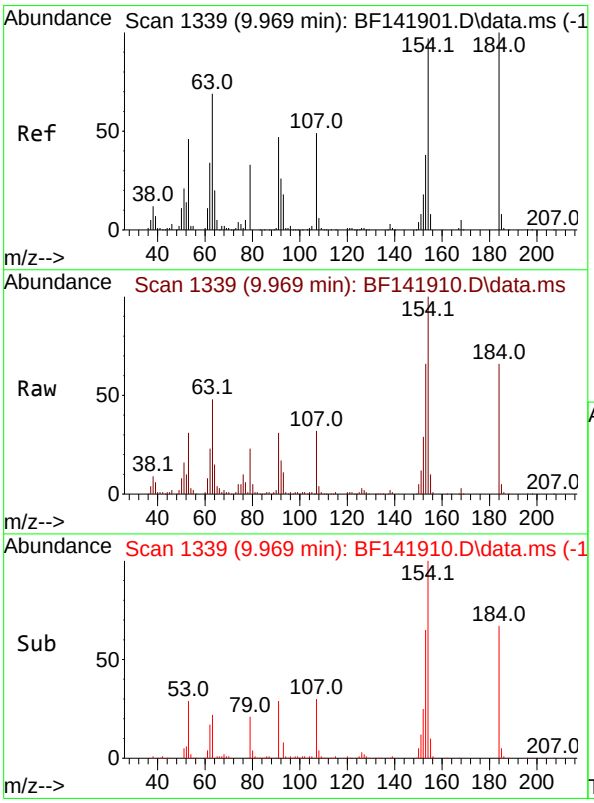
#53
3-Nitroaniline
Concen: 39.135 ng
RT: 9.869 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 277307

Ion	Ratio	Lower	Upper
138	100		
108	11.3	9.3	13.9
92	114.7	93.5	140.3

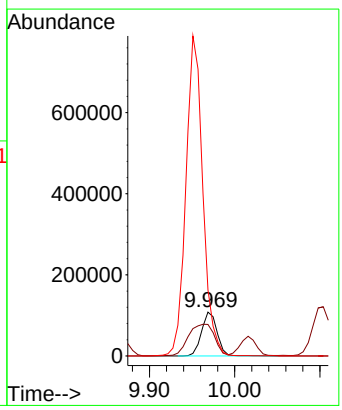


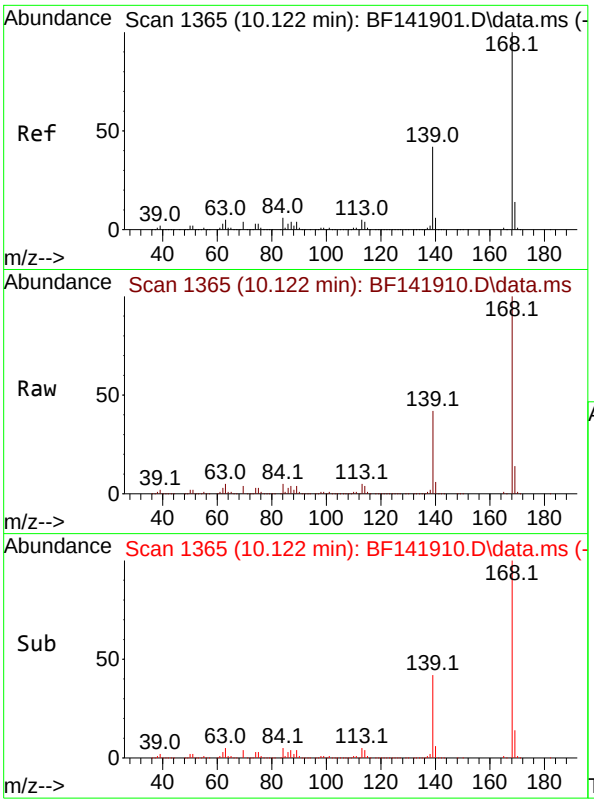


#54
2,4-Dinitrophenol
Concen: 38.237 ng
RT: 9.969 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:184 Resp: 136926

Ion	Ratio	Lower	Upper
184	100		
63	71.7	60.2	90.4
154	150.5	132.9	199.3



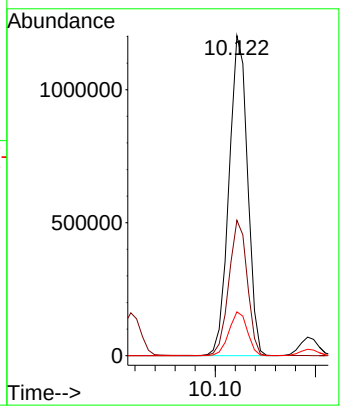


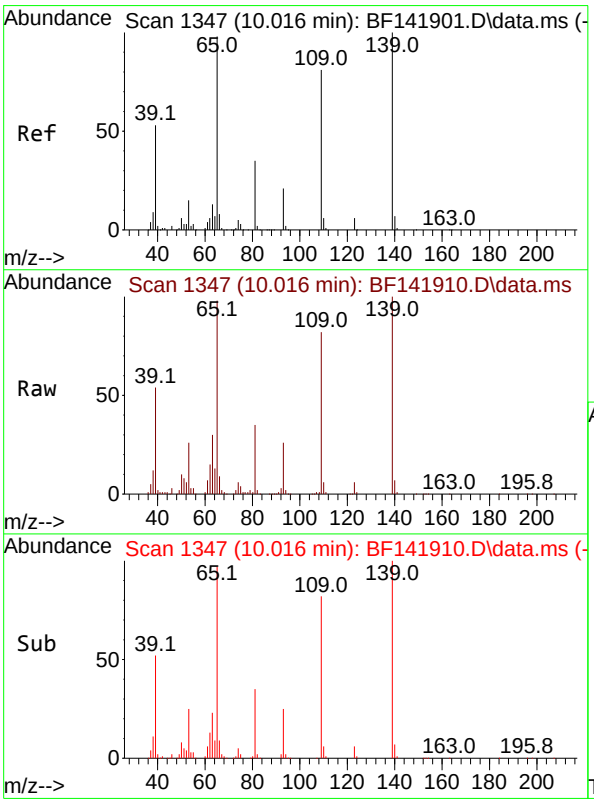
#55
Dibenzofuran
Concen: 38.292 ng
RT: 10.122 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 1548206

Ion	Ratio	Lower	Upper
168	100		
139	42.3	33.9	50.9
169	13.7	11.0	16.4

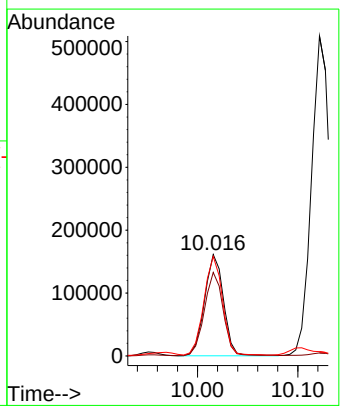


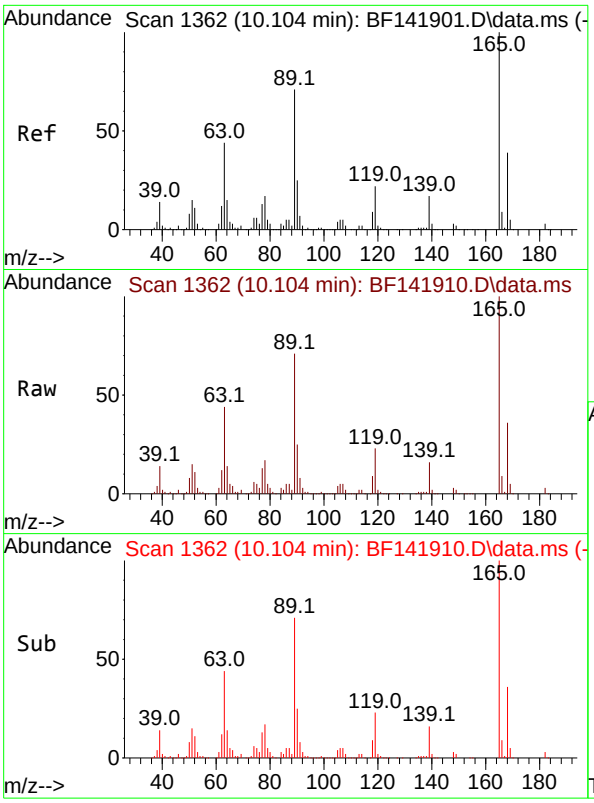


#56
4-Nitrophenol
Concen: 39.683 ng
RT: 10.016 min Scan# 1347
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:139 Resp: 212052

Ion	Ratio	Lower	Upper
139	100		
109	82.3	61.6	101.6
65	98.1	79.4	119.4



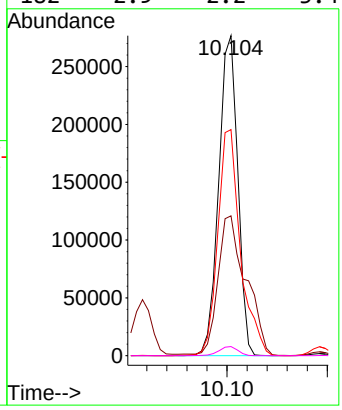


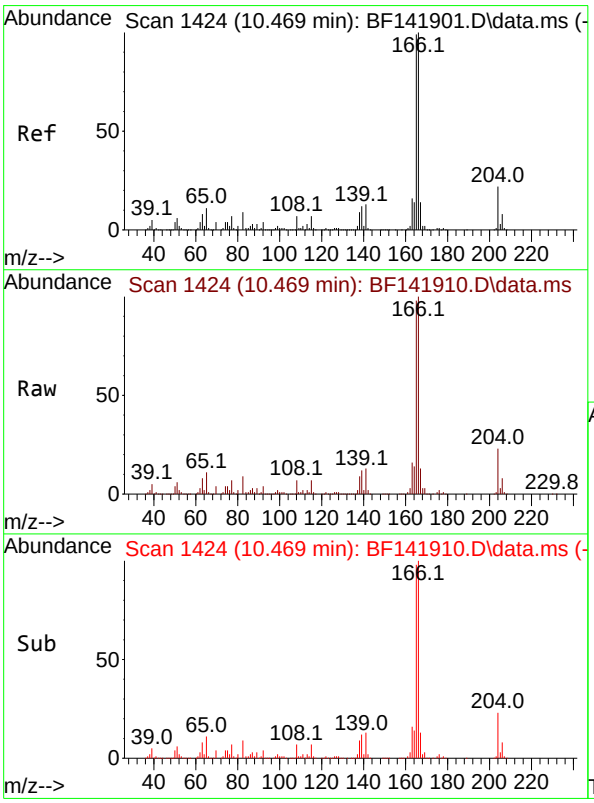
#57
2,4-Dinitrotoluene
Concen: 39.975 ng
RT: 10.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 364725

Ion	Ratio	Lower	Upper
165	100		
63	43.7	35.4	53.2
89	70.7	56.6	84.8
182	2.9	2.2	3.4

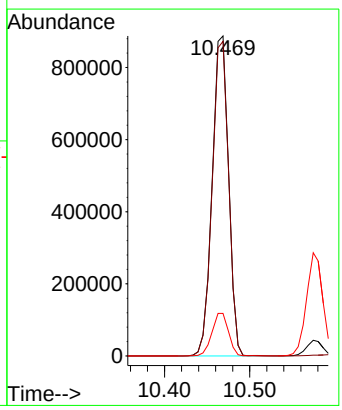


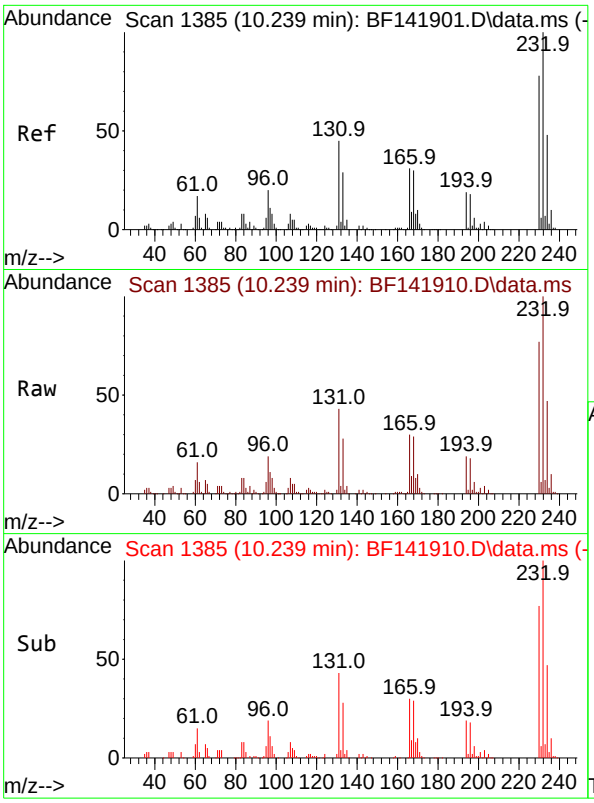


#58
Fluorene
Concen: 38.073 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:166 Resp: 1187102

Ion	Ratio	Lower	Upper
166	100		
165	98.3	79.0	118.4
167	13.3	11.0	16.4



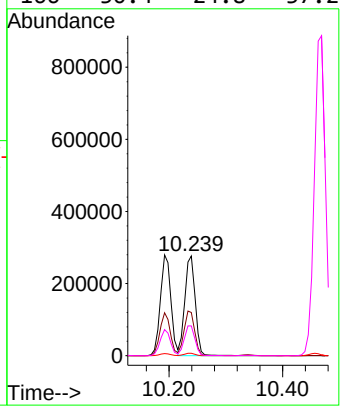


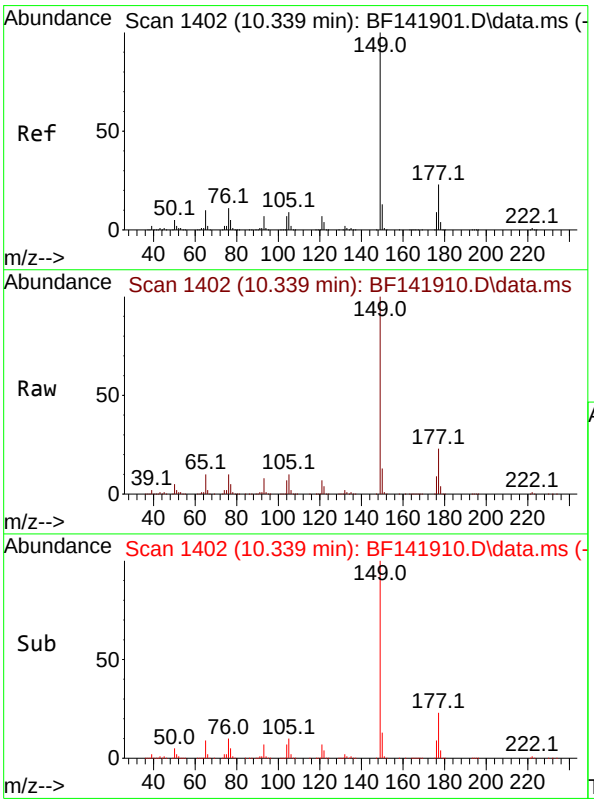
#59
2,3,4,6-Tetrachlorophenol
Concen: 39.950 ng
RT: 10.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 351000

Ion	Ratio	Lower	Upper
232	100		
131	45.1	37.3	55.9
130	2.5	1.9	2.9
166	30.4	24.8	37.2

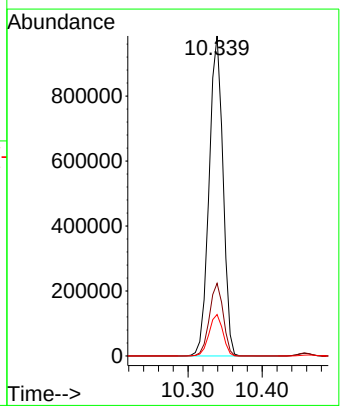


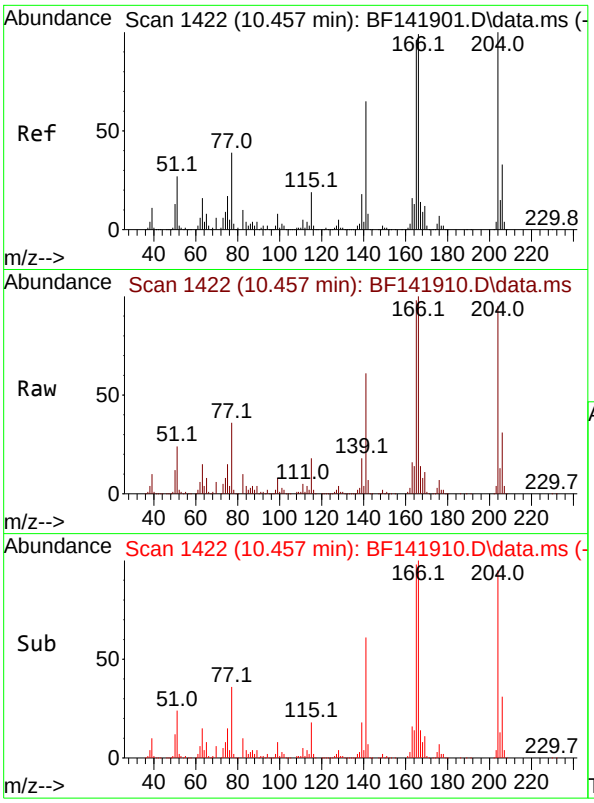


#60
Diethylphthalate
Concen: 38.320 ng
RT: 10.339 min Scan# 1402
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:149 Resp: 1281977

Ion	Ratio	Lower	Upper
149	100		
177	22.7	18.0	27.0
150	13.0	10.2	15.4



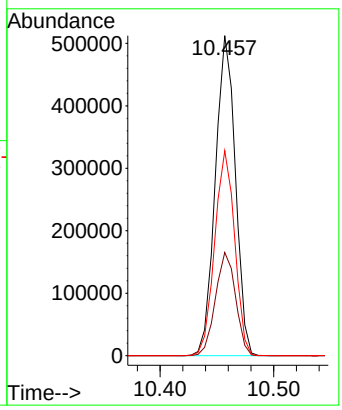


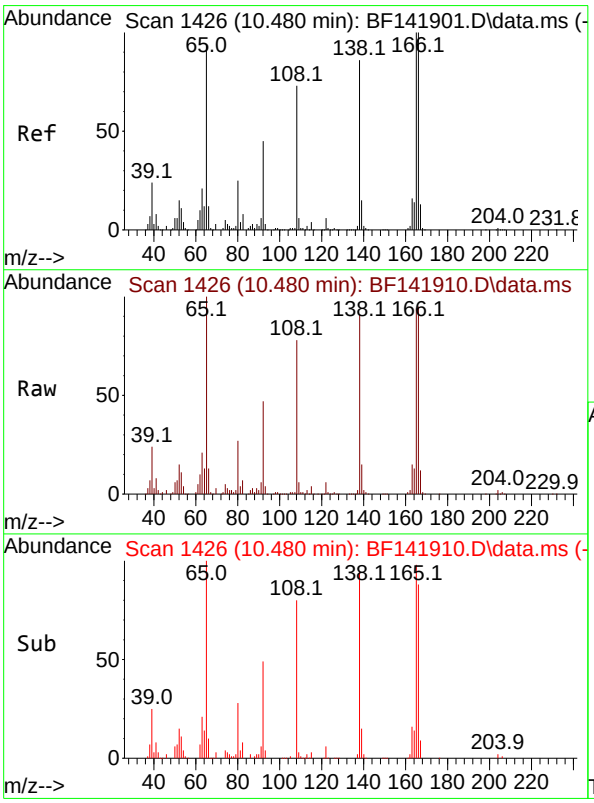
#61
4-Chlorophenyl-phenylether
Concen: 38.726 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 629512

Ion	Ratio	Lower	Upper
204	100		
206	32.3	26.8	40.2
141	64.1	52.4	78.6

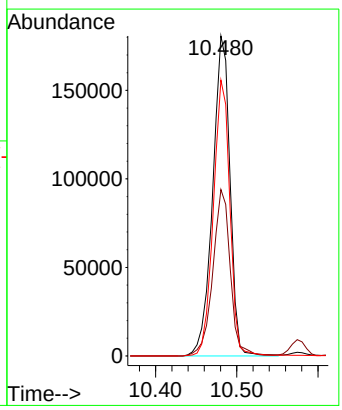


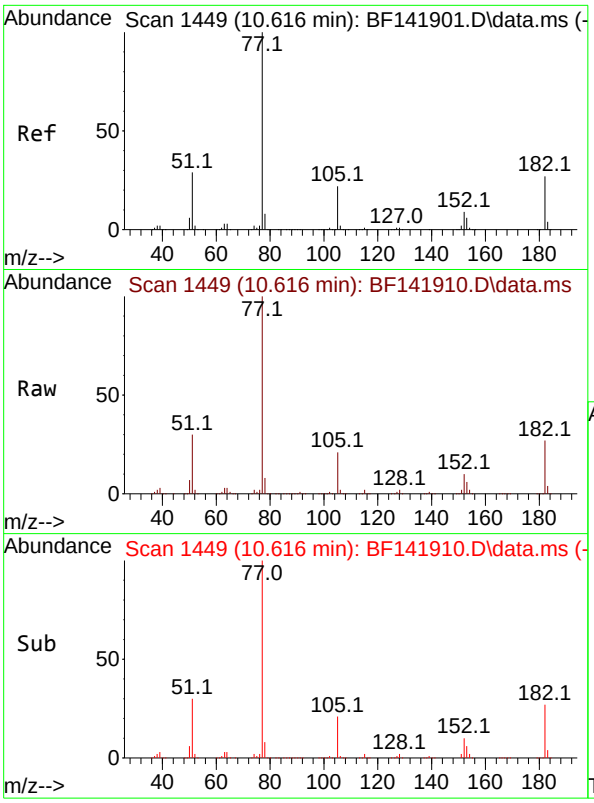


#62
4-Nitroaniline
Concen: 38.925 ng
RT: 10.480 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:138 Resp: 268529

Ion	Ratio	Lower	Upper
138	100		
92	52.0	32.6	72.6
108	86.2	65.0	105.0



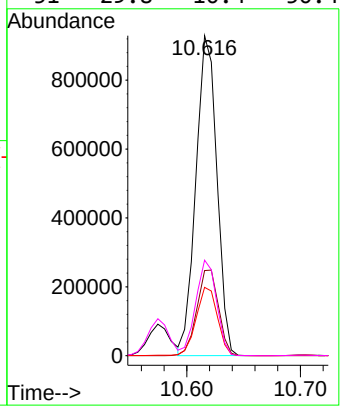


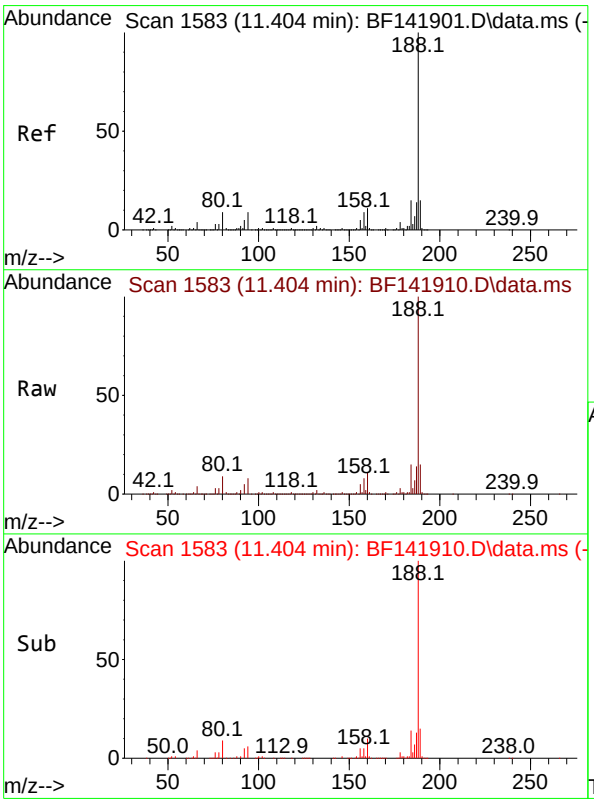
#63
Azobenzene
Concen: 38.408 ng
RT: 10.616 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 1194591

Ion	Ratio	Lower	Upper
77	100		
182	26.6	6.6	46.6
105	21.3	1.3	41.3
51	29.8	10.4	50.4

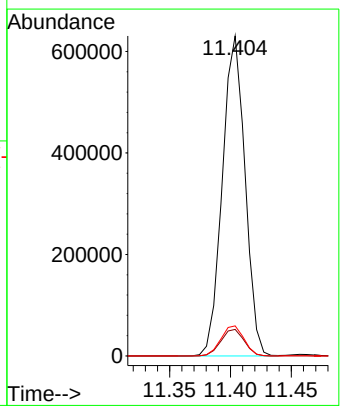


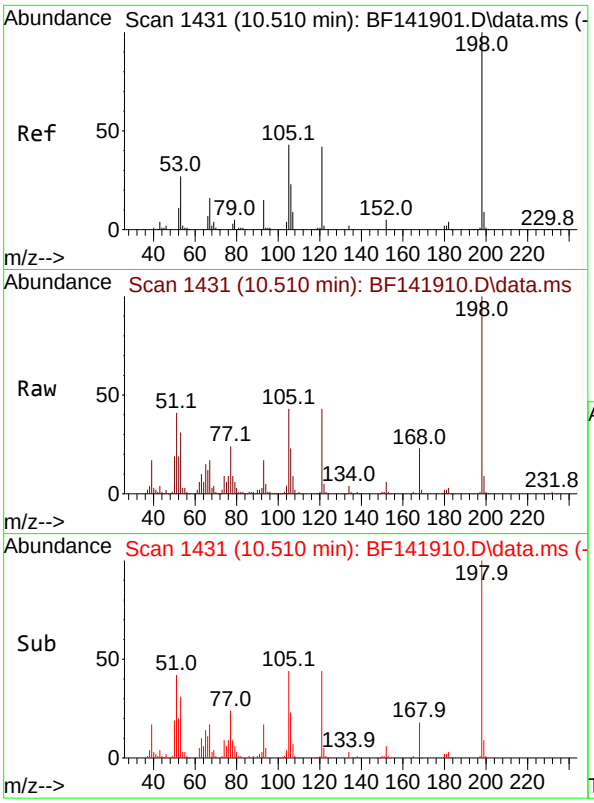


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:188 Resp: 819898

Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.8	10.2
80	9.4	7.6	11.4



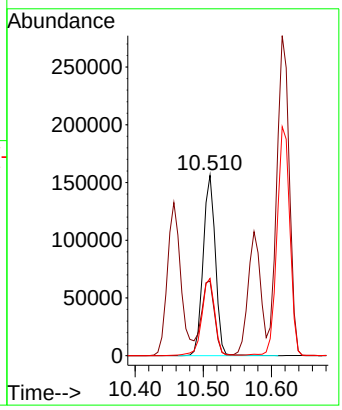


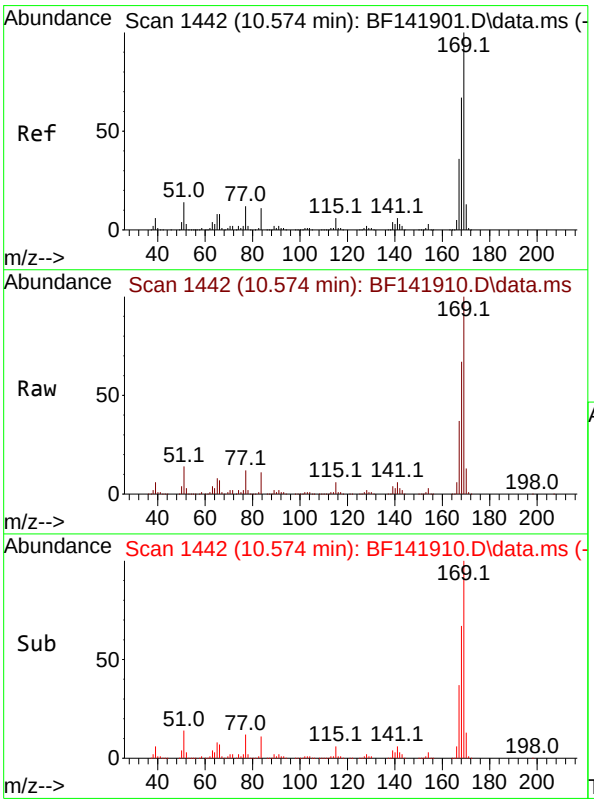
#65
4,6-Dinitro-2-methylphenol
Concen: 39.988 ng
RT: 10.510 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 195453

Ion	Ratio	Lower	Upper
198	100		
51	41.4	22.3	62.3
105	42.9	23.0	63.0

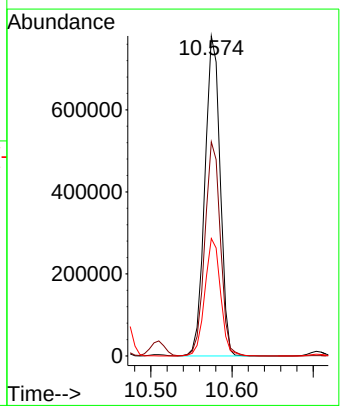


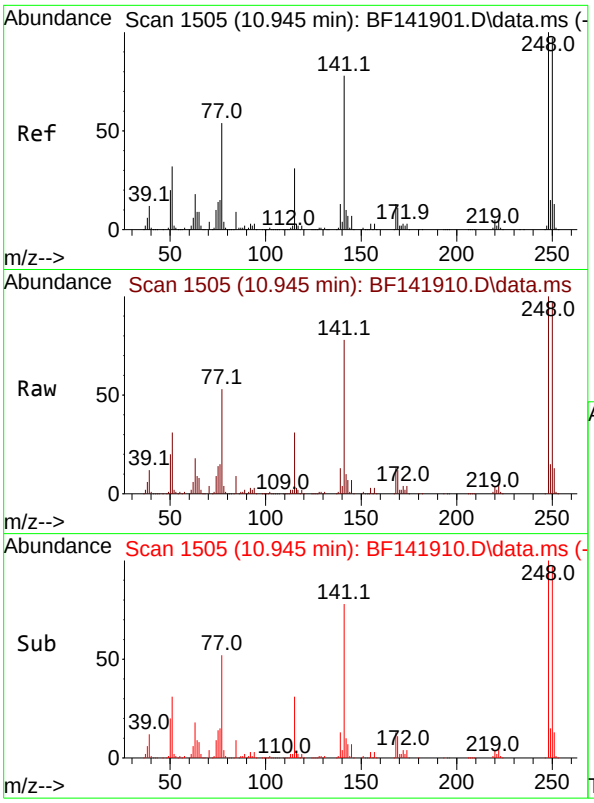


#66
n-Nitrosodiphenylamine
Concen: 38.251 ng
RT: 10.574 min Scan# 1442
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:169 Resp: 1014883

Ion	Ratio	Lower	Upper
169	100		
168	66.9	53.7	80.5
167	36.7	29.2	43.8



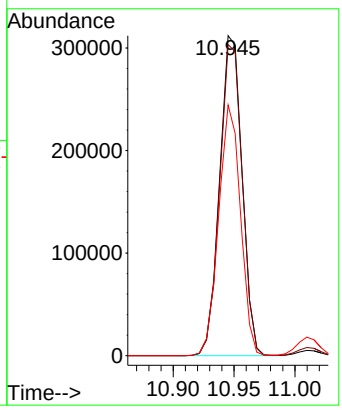


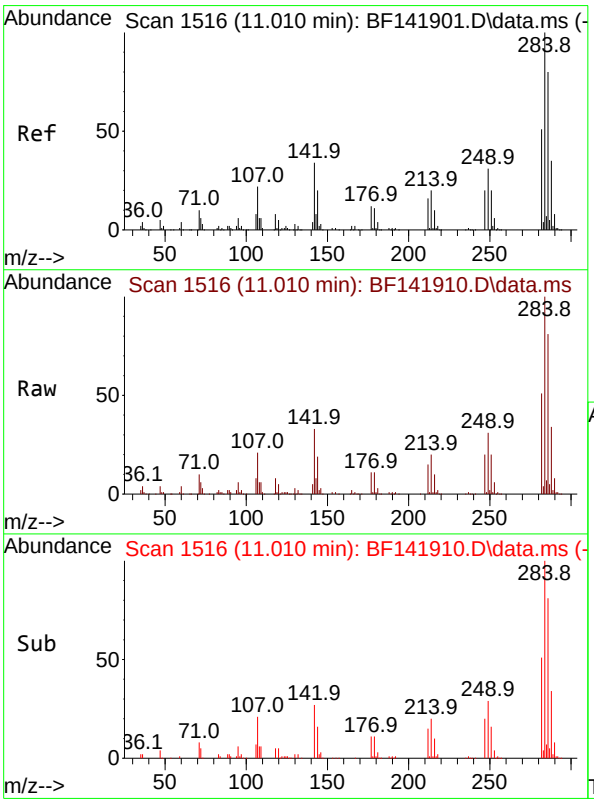
#67
4-Bromophenyl-phenylether
Concen: 39.001 ng
RT: 10.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 401588

Ion	Ratio	Lower	Upper
248	100		
250	97.2	77.8	116.8
141	78.3	62.6	93.8

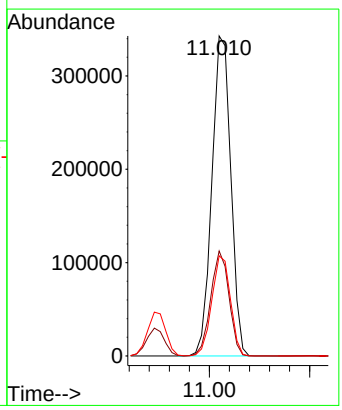


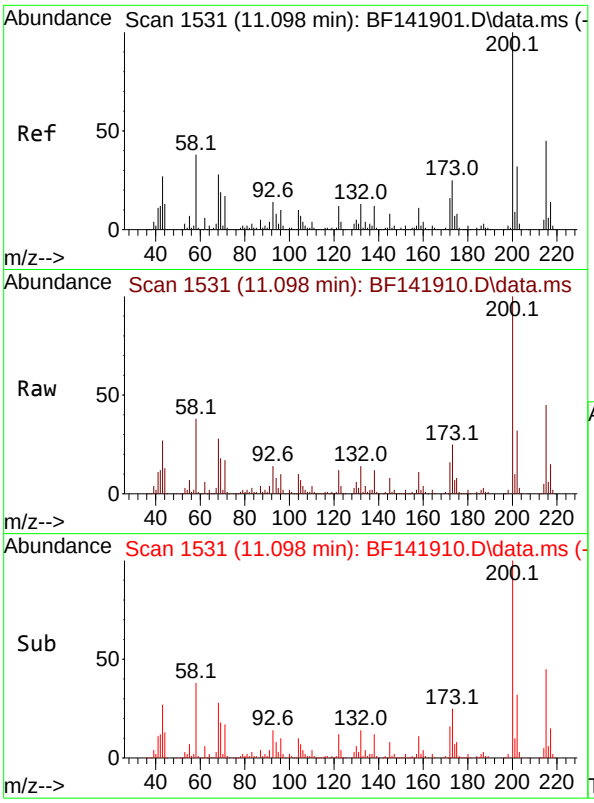


#68
Hexachlorobenzene
Concen: 39.703 ng
RT: 11.010 min Scan# 1516
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:284 Resp: 448381

Ion	Ratio	Lower	Upper
284	100		
142	32.8	27.0	40.6
249	31.3	25.2	37.8



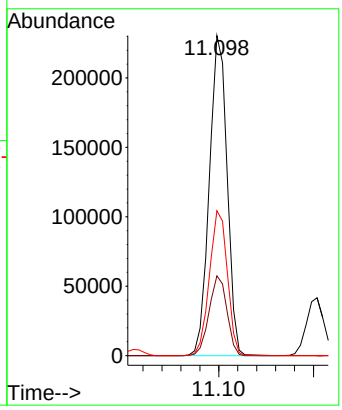


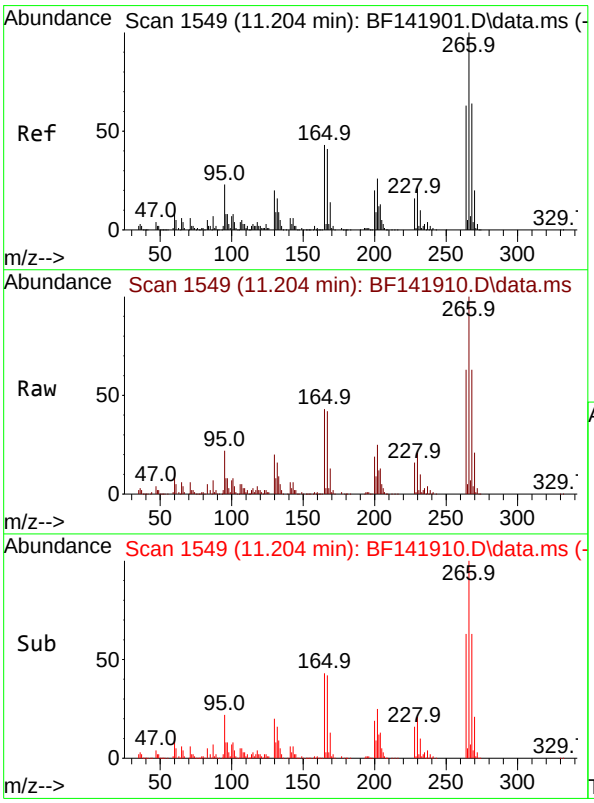
#69
Atrazine
Concen: 36.855 ng
RT: 11.098 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 299767

Ion	Ratio	Lower	Upper
200	100		
173	25.0	4.7	44.7
215	45.3	25.4	65.4

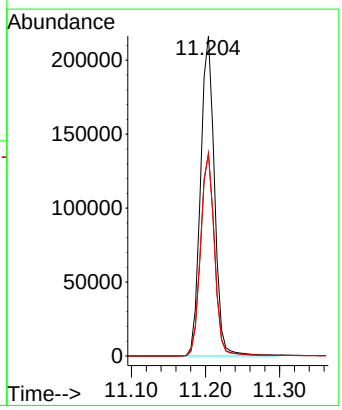


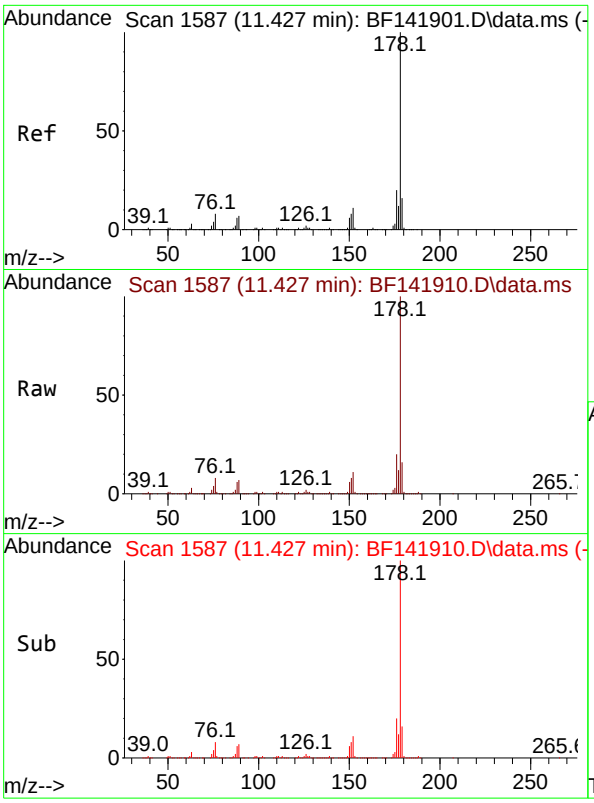


#70
Pentachlorophenol
Concen: 40.651 ng
RT: 11.204 min Scan# 1549
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:266 Resp: 282858

Ion	Ratio	Lower	Upper
266	100		
268	63.3	51.0	76.6
264	63.2	50.2	75.2



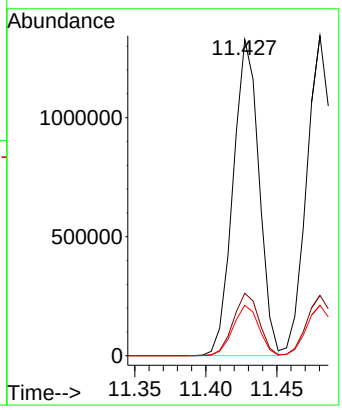


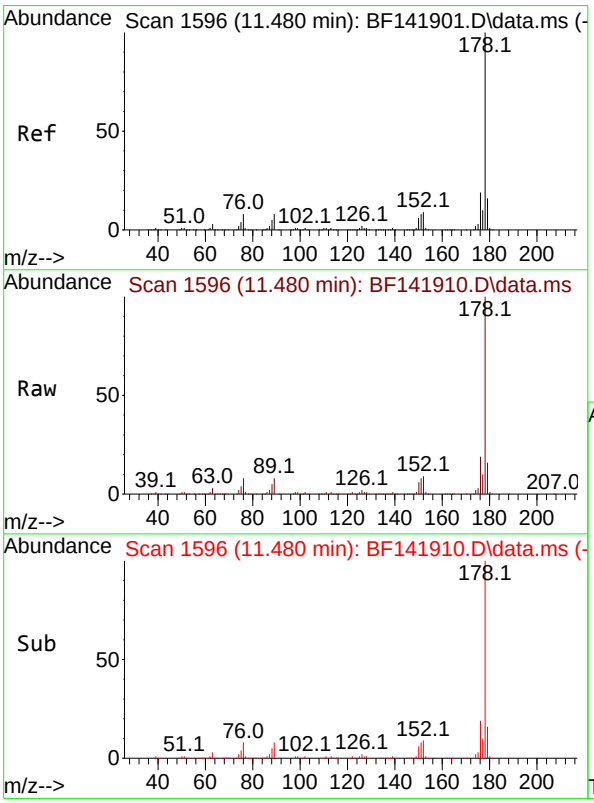
#71
Phenanthrene
Concen: 38.045 ng
RT: 11.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 1684816

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	15.9	12.6	19.0

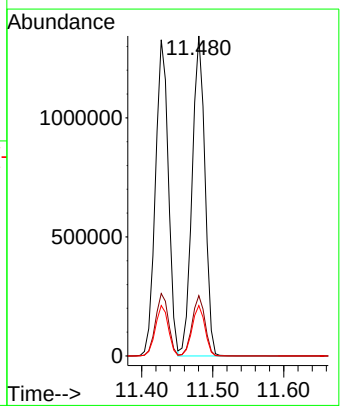


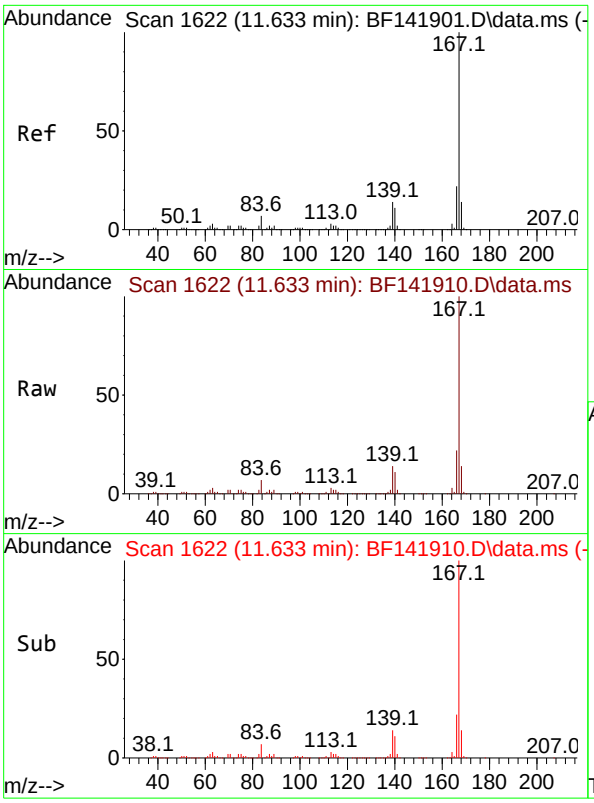


#72
Anthracene
Concen: 38.043 ng
RT: 11.480 min Scan# 1596
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:178 Resp: 1690241

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.1	22.7
179	15.8	12.6	19.0



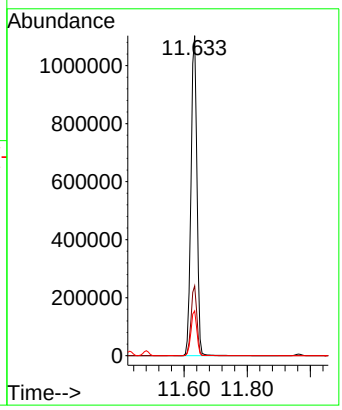


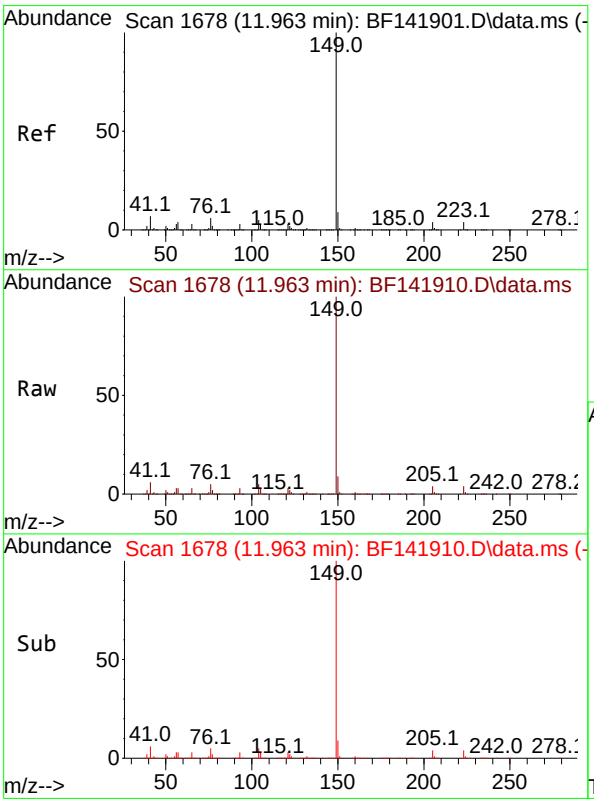
#73
Carbazole
Concen: 37.829 ng
RT: 11.633 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 1449478

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.4	26.2
139	14.0	11.0	16.6

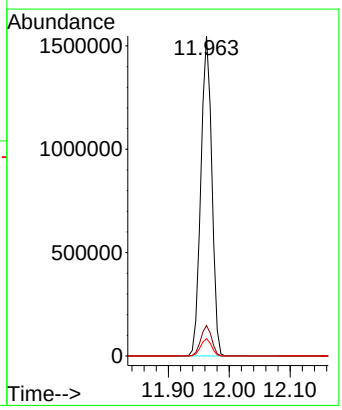


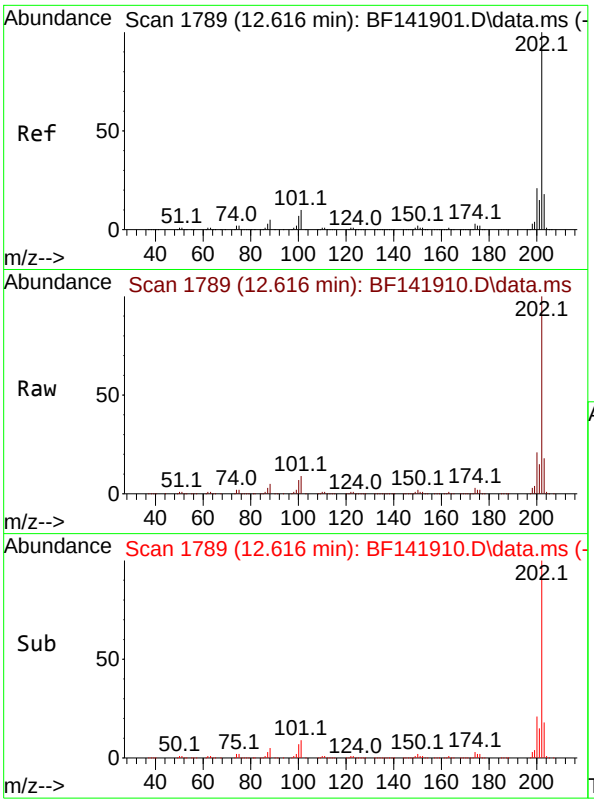


#74
Di-n-butylphthalate
Concen: 37.945 ng
RT: 11.963 min Scan# 1678
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:149 Resp: 1929199

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.6	11.4
104	5.4	4.4	6.6



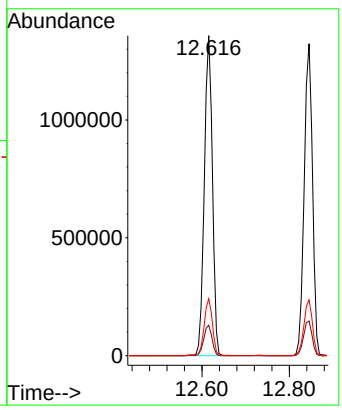


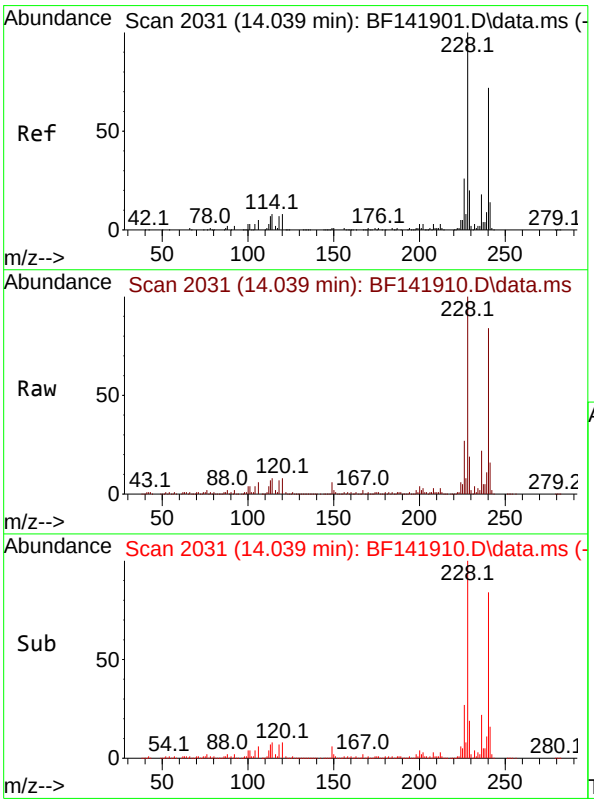
#75
Fluoranthene
Concen: 37.256 ng
RT: 12.616 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 1750151

Ion	Ratio	Lower	Upper
202	100		
101	9.5	0.0	29.7
203	17.8	0.0	37.8

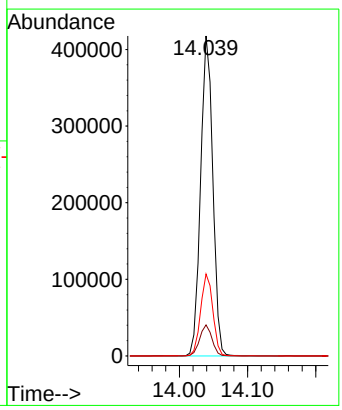


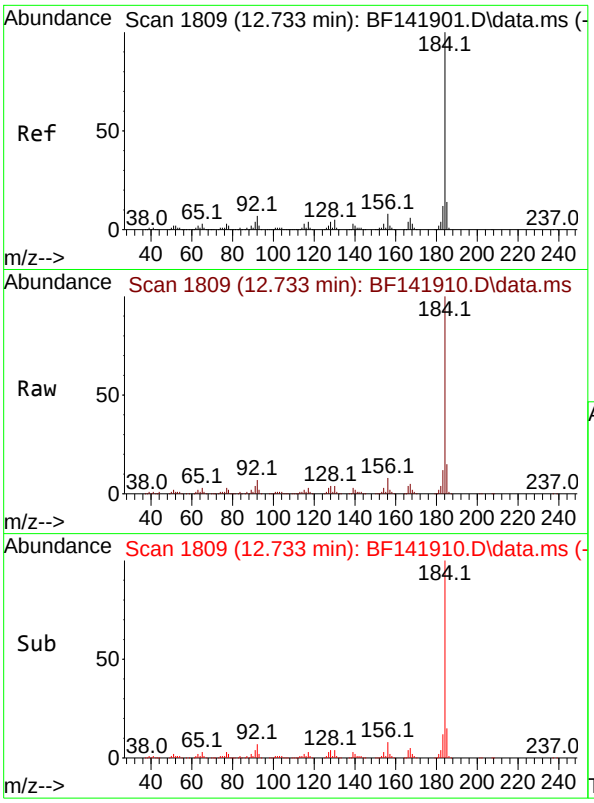


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:240 Resp: 519479

Ion	Ratio	Lower	Upper
240	100		
120	9.7	8.4	12.6
236	25.6	20.5	30.7



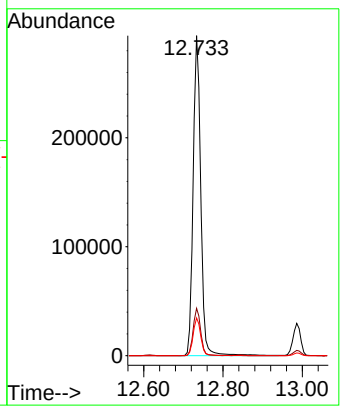


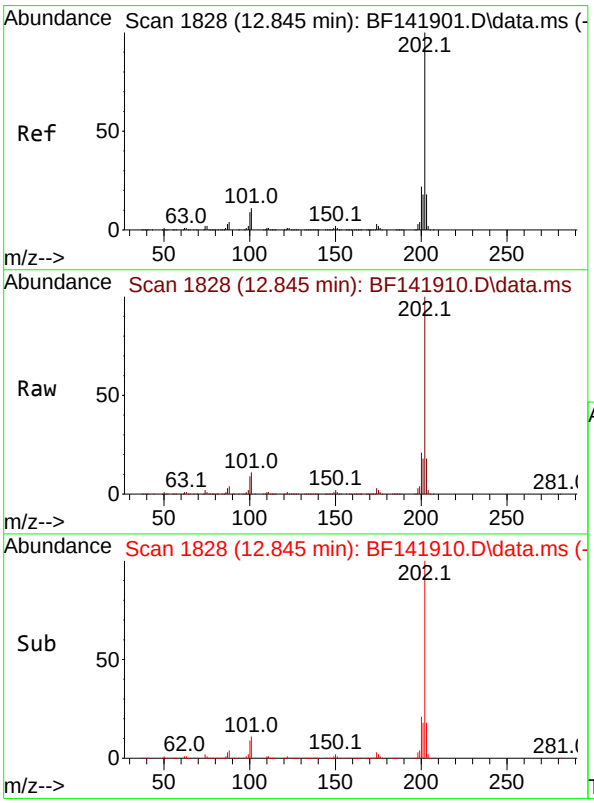
#77
Benzidine
Concen: 54.153 ng
RT: 12.733 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 392482

Ion	Ratio	Lower	Upper
184	100		
185	14.8	11.5	17.3
183	11.8	9.7	14.5

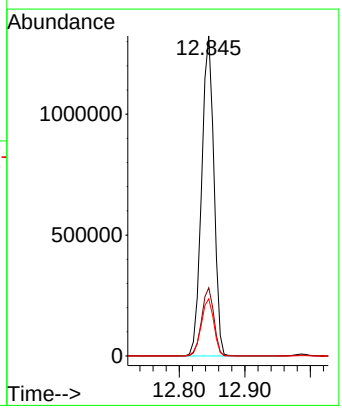


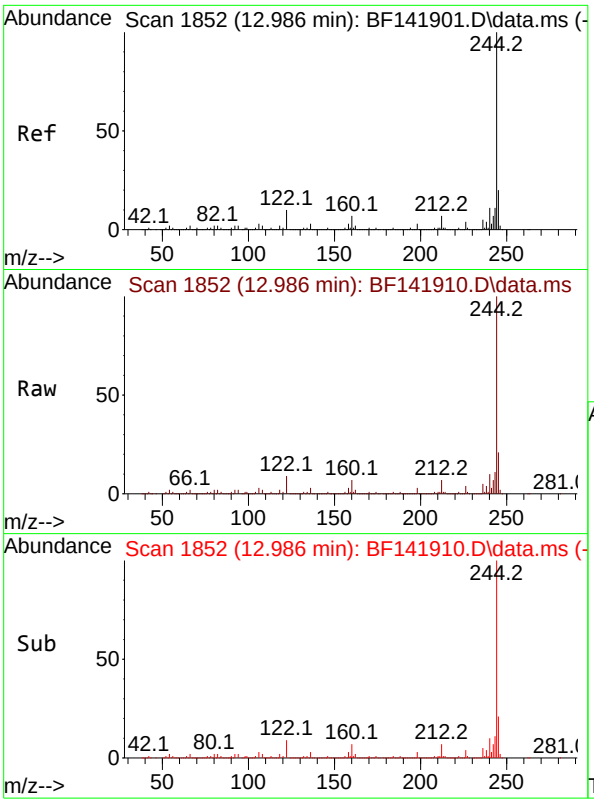


#78
Pyrene
Concen: 38.418 ng
RT: 12.845 min Scan# 1828
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:202 Resp: 1726338

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.3	25.9
203	17.9	14.4	21.6



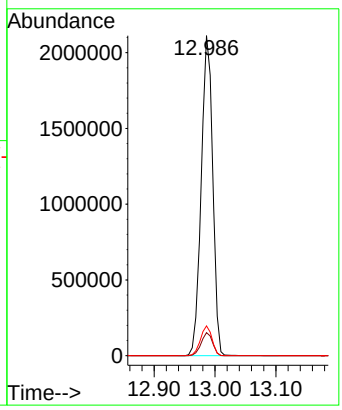


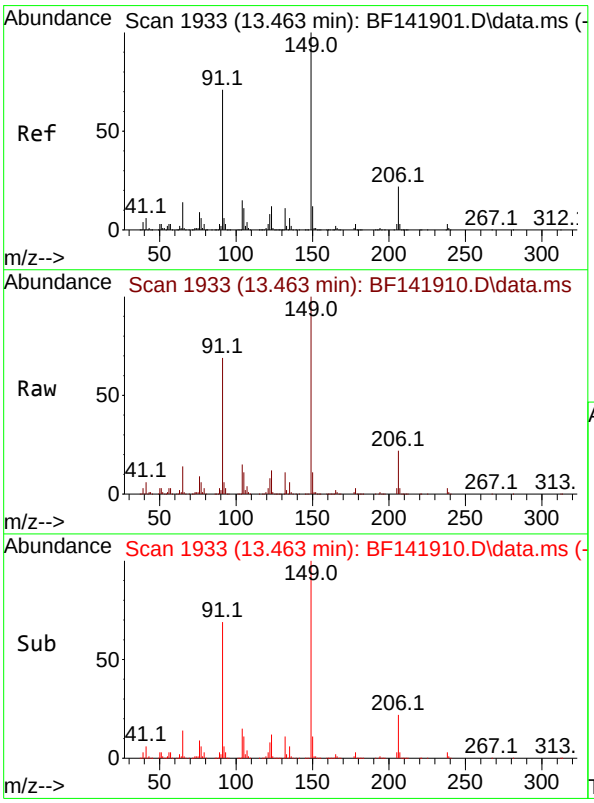
#79
Terphenyl-d14
Concen: 79.004 ng
RT: 12.986 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 2775945

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	9.3	7.7	11.5

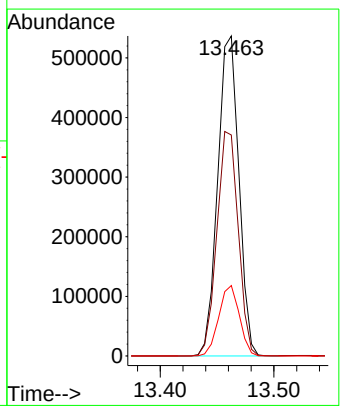


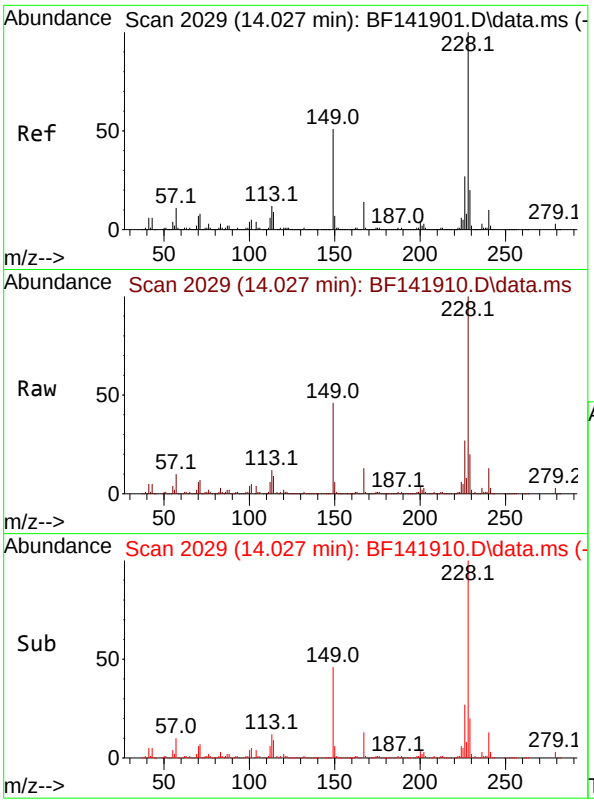


#80
Butylbenzylphthalate
Concen: 39.548 ng
RT: 13.463 min Scan# 1933
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:149 Resp: 695571

Ion	Ratio	Lower	Upper
149	100		
91	69.1	56.5	84.7
206	22.0	17.3	25.9



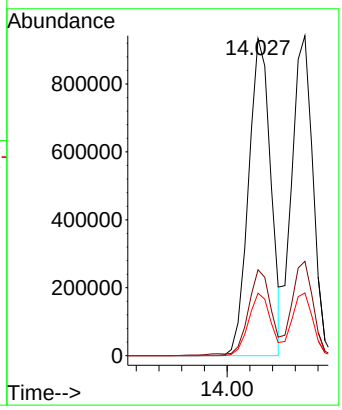


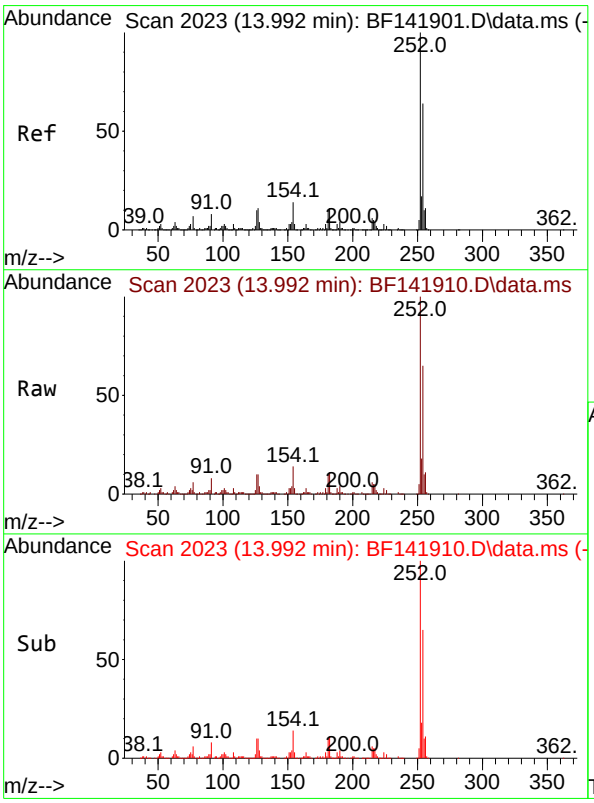
#81
Benzo(a)anthracene
Concen: 37.144 ng
RT: 14.027 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 1266188

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.8	32.8
229	19.7	16.0	24.0

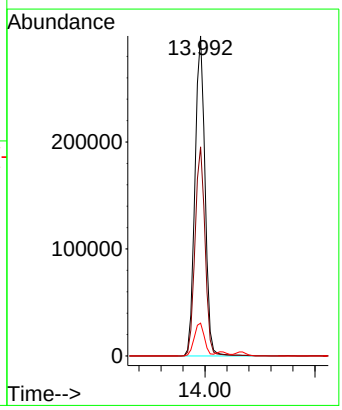


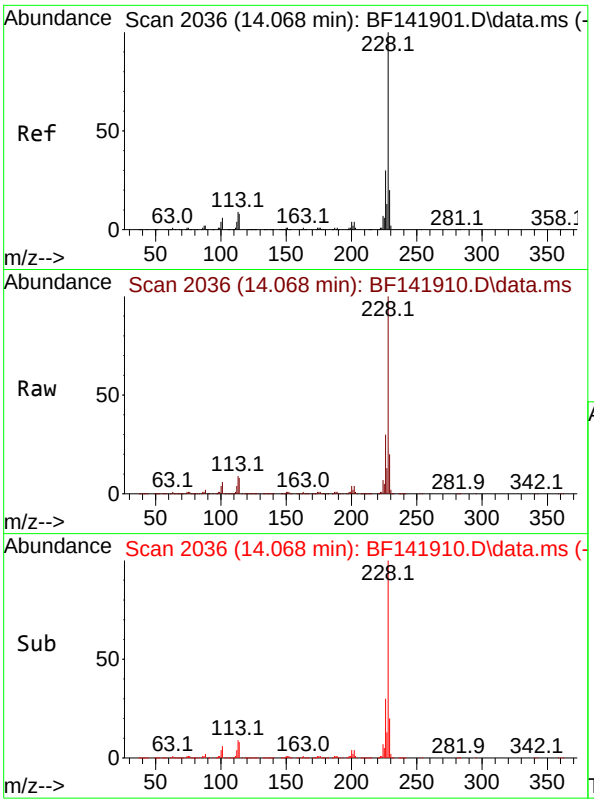


#82
3,3'-Dichlorobenzidine
Concen: 38.611 ng
RT: 13.992 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:252 Resp: 380363

Ion	Ratio	Lower	Upper
252	100		
254	65.4	51.0	76.6
126	10.3	8.4	12.6



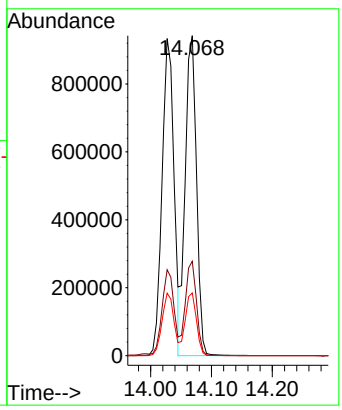


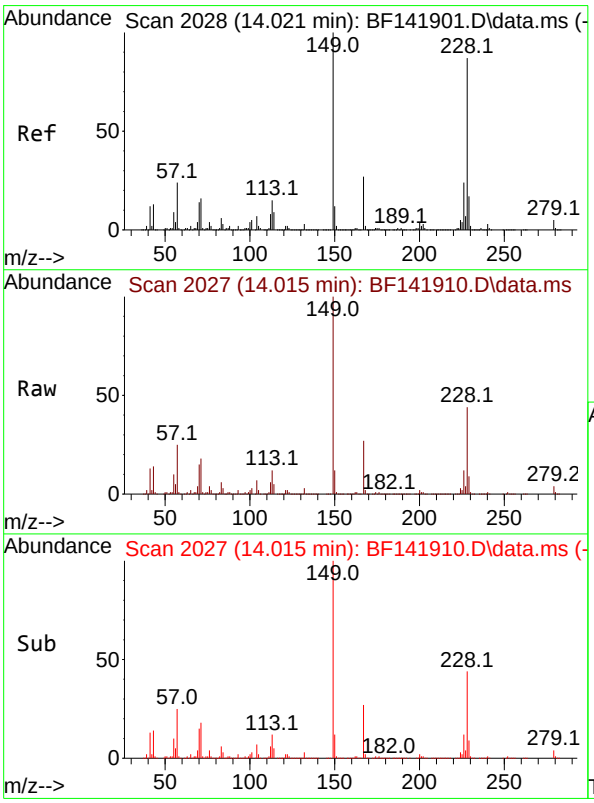
#83
Chrysene
Concen: 39.306 ng
RT: 14.068 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 1214561

Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.1	36.1
229	19.6	15.7	23.5

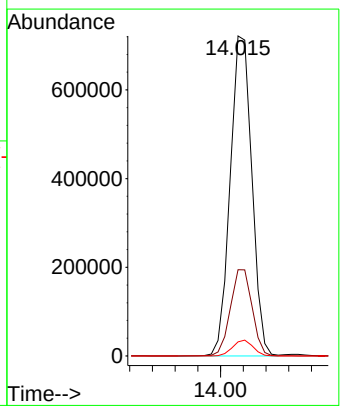


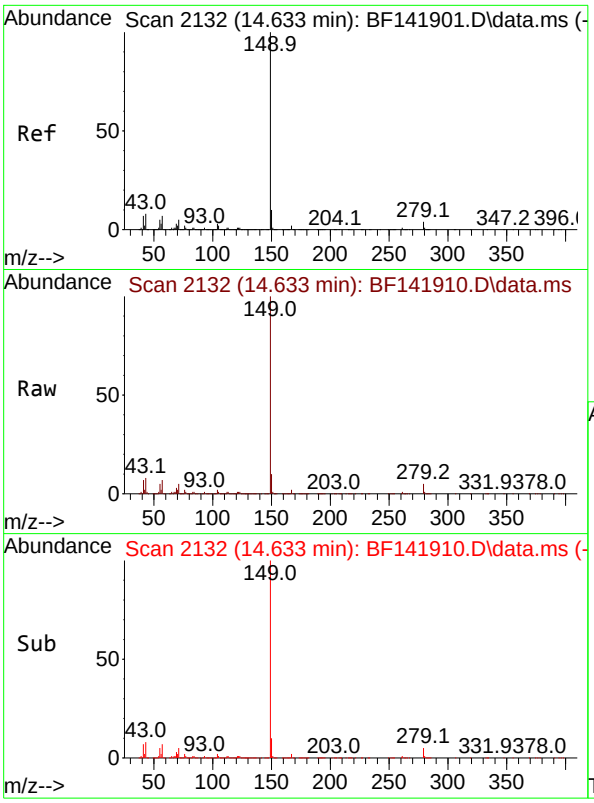


#84
Bis(2-ethylhexyl)phthalate
Concen: 39.447 ng
RT: 14.015 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:149 Resp: 956586

Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.4	32.0
279	4.4	3.8	5.6



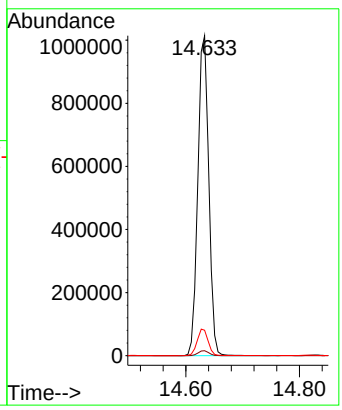


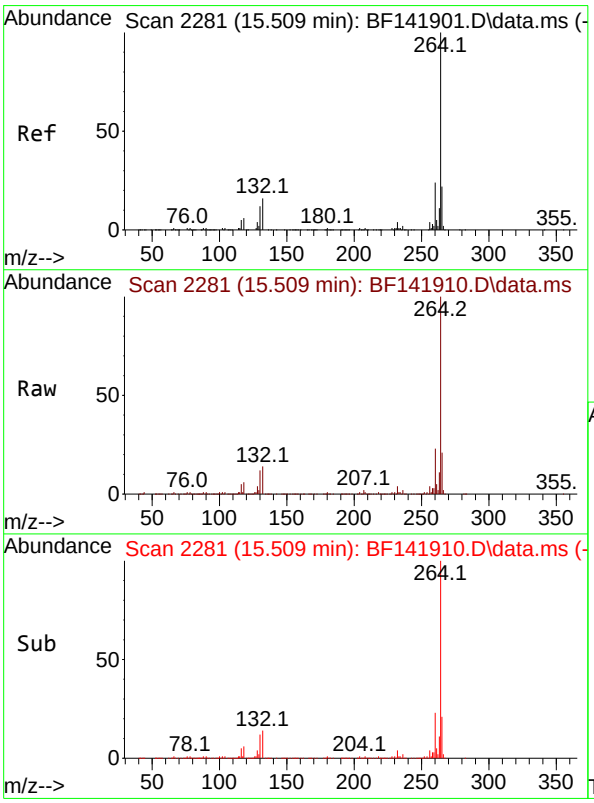
#85
Di-n-octyl phthalate
Concen: 40.262 ng
RT: 14.633 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 1358481

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	8.3	6.9	10.3

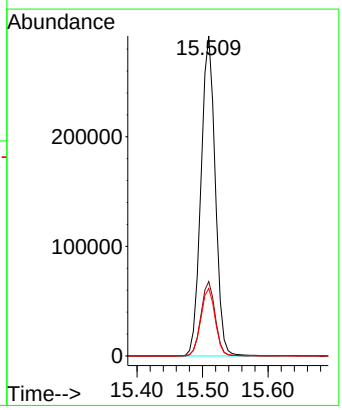


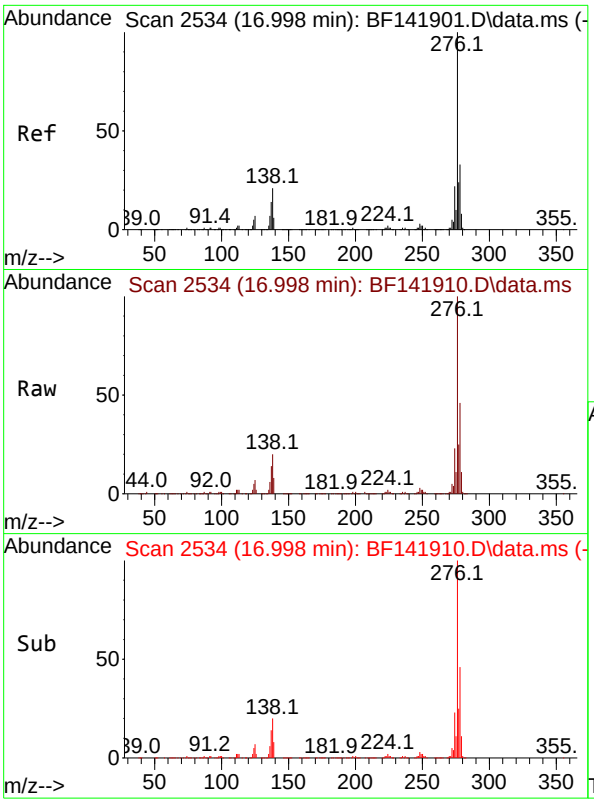


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 2281
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:264 Resp: 442953

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.1	28.7
265	21.1	17.5	26.3



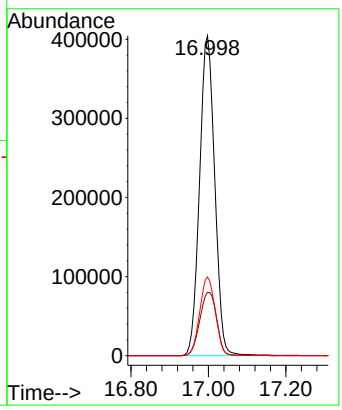


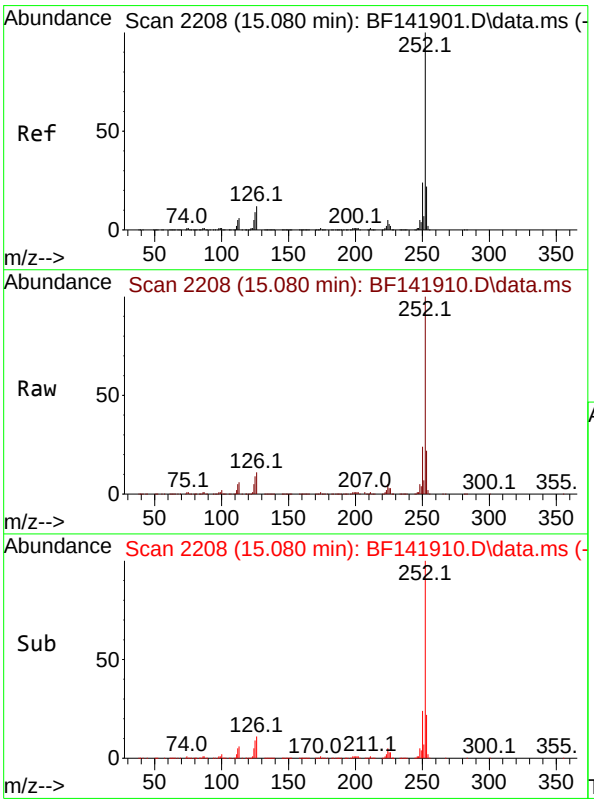
#87
Indeno(1,2,3-cd)pyrene
Concen: 38.348 ng
RT: 16.998 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 1098821

Ion	Ratio	Lower	Upper
276	100		
138	22.1	18.4	27.6
277	25.3	20.3	30.5

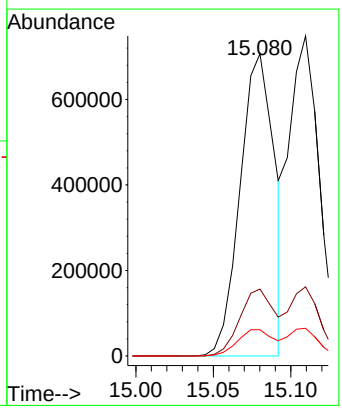


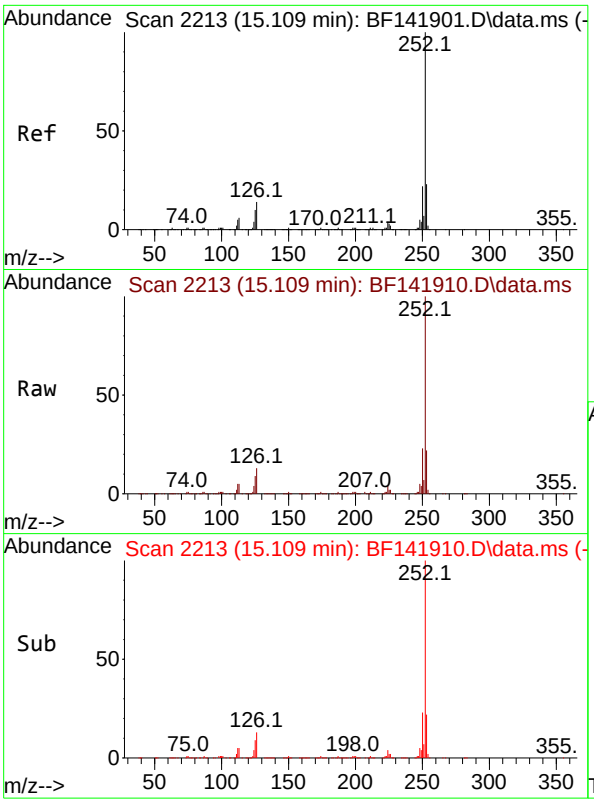


#88
Benzo(b)fluoranthene
Concen: 35.721 ng
RT: 15.080 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:252 Resp: 1084408

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	8.7	7.0	10.4



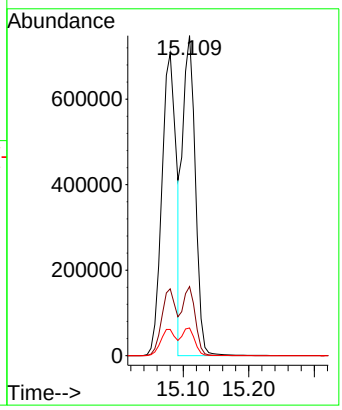


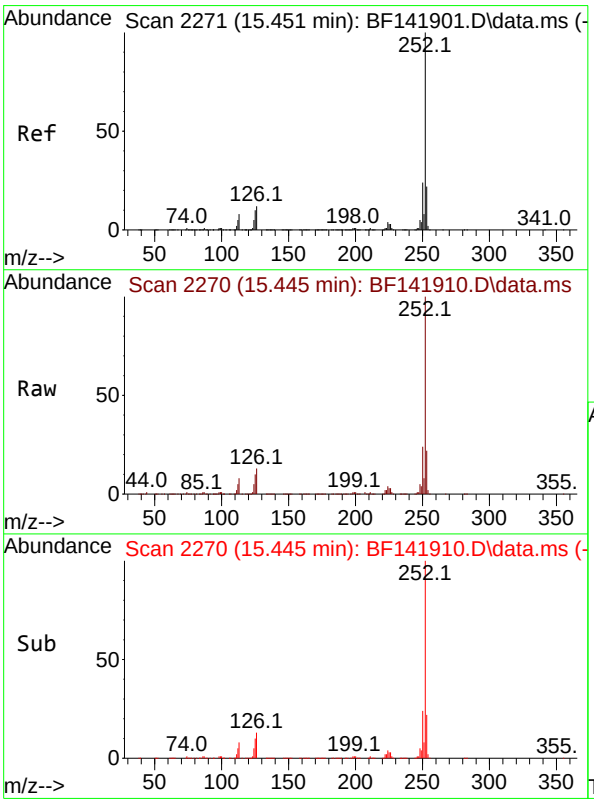
#89
Benzo(k)fluoranthene
Concen: 38.924 ng
RT: 15.109 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 1011237

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.7	26.5
125	8.6	7.2	10.8

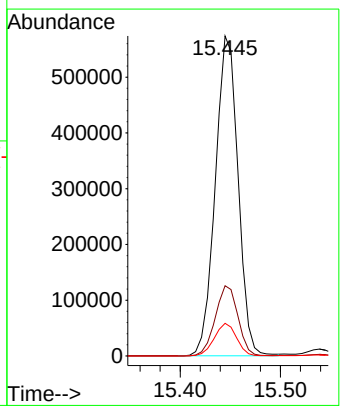


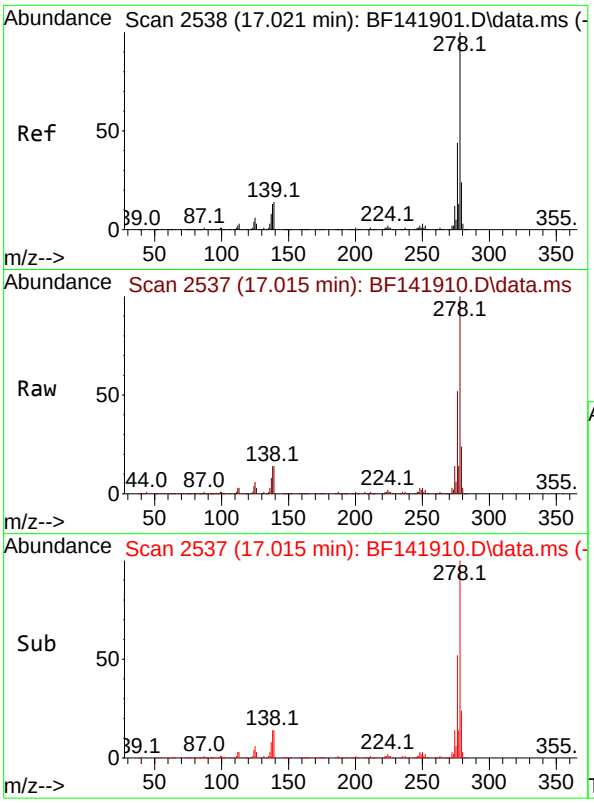


#90
Benzo(a)pyrene
Concen: 38.039 ng
RT: 15.445 min Scan# 2270
Delta R.T. -0.006 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:252 Resp: 903590

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0
125	10.2	7.8	11.8



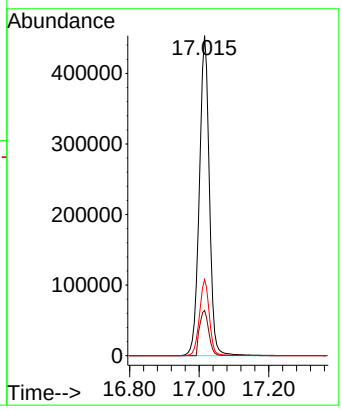


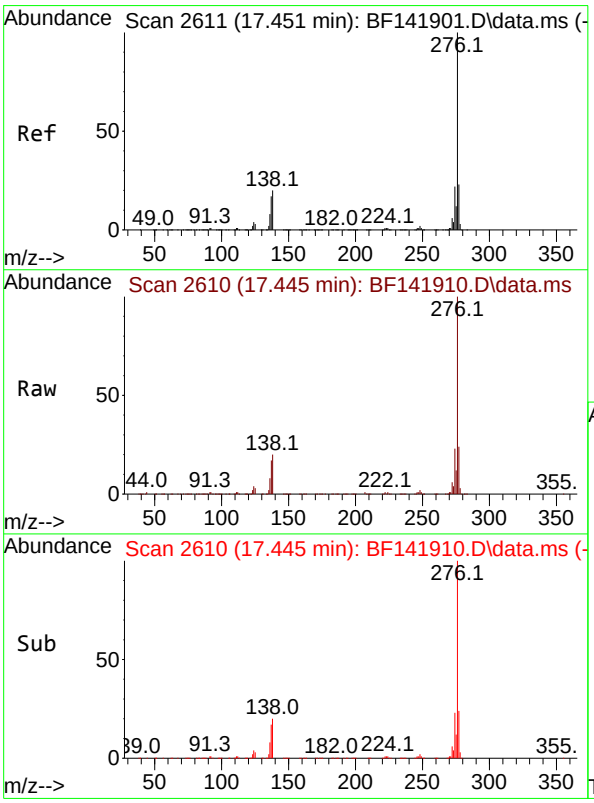
#91
Dibenzo(a,h)anthracene
Concen: 38.270 ng
RT: 17.015 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 904778

Ion	Ratio	Lower	Upper
278	100		
139	14.1	11.4	17.2
279	23.8	18.8	28.2

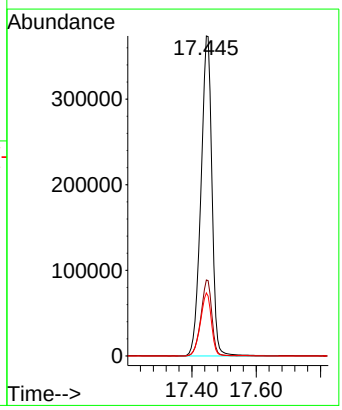




#92
Benzo(g,h,i)perylene
Concen: 37.923 ng
RT: 17.445 min Scan# 2610
Delta R.T. -0.006 min
Lab File: BF141910.D
Acq: 11 Mar 2025 11:51

Tgt Ion:276 Resp: 885987

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.7	28.1
138	19.7	15.8	23.8



Sample Results: **BF141910.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141910.D
Acq On : 11 Mar 2025 11:51
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 11 12:36:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 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	96	0.00
2		1,4-Dioxane	0.502	0.488	2.8	92	0.00
3		Pyridine	1.232	1.195	3.0	94	0.00
4		n-Nitrosodimethylamine	0.587	0.569	3.1	93	0.00
5	S	2-Fluorophenol	1.198	1.135	5.3	94	0.00
6		Aniline	1.505	1.454	3.4	95	0.00
7	S	Phenol-d6	1.526	1.442	5.5	96	0.00
8		2-Chlorophenol	1.329	1.273	4.2	97	0.00
9		Benzaldehyde	0.853	0.793	7.0	97	0.00
10	C	Phenol	1.605	1.529	4.7	95	0.00
11		bis(2-Chloroethyl)ether	1.205	1.137	5.6	95	0.00
12		1,3-Dichlorobenzene	1.435	1.369	4.6	95	0.00
13	C	1,4-Dichlorobenzene	1.452	1.395	3.9	96	0.00
14		1,2-Dichlorobenzene	1.367	1.303	4.7	95	0.00
15		Benzyl Alcohol	1.233	1.189	3.6	96	0.00
16		2,2'-oxybis(1-Chloropropane	1.455	1.336	8.2	94	0.00
17		2-Methylphenol	1.057	1.011	4.4	96	0.00
18		Hexachloroethane	0.544	0.529	2.8	98	0.00
19	P	n-Nitroso-di-n-propylamine	0.980	0.910	7.1	95	0.00
20		3+4-Methylphenols	1.354	1.288	4.9	95	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	96	0.00
22		Acetophenone	0.479	0.454	5.2	95	0.00
23	S	Nitrobenzene-d5	0.355	0.347	2.3	96	0.00
24		Nitrobenzene	0.353	0.343	2.8	95	0.00
25		Isophorone	0.628	0.601	4.3	96	0.00
26	C	2-Nitrophenol	0.173	0.178	-2.9	98	0.00
27		2,4-Dimethylphenol	0.239	0.233	2.5	97	0.00
28		bis(2-Chloroethoxy)methane	0.394	0.375	4.8	97	0.00
29	C	2,4-Dichlorophenol	0.296	0.287	3.0	96	0.00
30		1,2,4-Trichlorobenzene	0.327	0.315	3.7	98	0.00
31		Naphthalene	1.027	0.978	4.8	96	0.00
32		Benzoic acid	0.210	0.220	-4.8	102	0.00
33		4-Chloroaniline	0.363	0.349	3.9	95	0.00
34	C	Hexachlorobutadiene	0.213	0.209	1.9	99	0.00
35		Caprolactam	0.090	0.086	4.4	98	0.00
36	C	4-Chloro-3-methylphenol	0.331	0.318	3.9	96	0.00
37		2-Methylnaphthalene	0.687	0.664	3.3	98	0.00
38		1-Methylnaphthalene	0.663	0.631	4.8	97	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	97	0.00
40		1,2,4,5-Tetrachlorobenzene	0.609	0.593	2.6	97	0.00
41	P	Hexachlorocyclopentadiene	0.238	0.241	-1.3	93	0.00
42	S	2,4,6-Tribromophenol	0.254	0.255	-0.4	99	0.00
43	C	2,4,6-Trichlorophenol	0.398	0.399	-0.3	97	0.00
44		2,4,5-Trichlorophenol	0.403	0.389	3.5	97	0.00
45	S	2-Fluorobiphenyl	1.315	1.239	5.8	96	0.00
46		1,1'-Biphenyl	1.520	1.464	3.7	98	0.00
47		2-Chloronaphthalene	1.133	1.095	3.4	97	0.00

Sample Results: **BF141910.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141910.D
Acq On : 11 Mar 2025 11:51
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 11 12:36:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 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	0.328	0.321	2.1	97	0.00
49		Acenaphthylene	1.681	1.623	3.5	96	0.00
50		Dimethylphthalate	1.401	1.340	4.4	98	0.00
51		2,6-Dinitrotoluene	0.292	0.292	0.0	99	0.00
52	C	Acenaphthene	1.181	1.139	3.6	96	0.00
53		3-Nitroaniline	0.296	0.289	2.4	96	0.00
54	P	2,4-Dinitrophenol	0.139	0.143	-2.9	98	0.00
55		Dibenzofuran	1.688	1.616	4.3	97	0.00
56	P	4-Nitrophenol	0.223	0.221	0.9	93	0.00
57		2,4-Dinitrotoluene	0.381	0.381	0.0	98	0.00
58		Fluorene	1.302	1.239	4.8	98	0.00
59		2,3,4,6-Tetrachlorophenol	0.367	0.366	0.3	99	0.00
60		Diethylphthalate	1.397	1.338	4.2	97	0.00
61		4-Chlorophenyl-phenylether	0.679	0.657	3.2	99	0.00
62		4-Nitroaniline	0.288	0.280	2.8	94	0.00
63		Azobenzene	1.298	1.247	3.9	97	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	98	0.00
65		4,6-Dinitro-2-methylphenol	0.119	0.119	0.0	96	0.00
66	c	n-Nitrosodiphenylamine	0.647	0.619	4.3	97	0.00
67		4-Bromophenyl-phenylether	0.251	0.245	2.4	98	0.00
68		Hexachlorobenzene	0.275	0.273	0.7	99	0.00
69		Atrazine	0.198	0.183	7.6	109	0.00
70	C	Pentachlorophenol	0.170	0.172	-1.2	95	0.00
71		Phenanthrene	1.080	1.027	4.9	97	0.00
72		Anthracene	1.084	1.031	4.9	96	0.00
73		Carbazole	0.935	0.884	5.5	95	0.00
74		Di-n-butylphthalate	1.240	1.176	5.2	98	0.00
75	C	Fluoranthene	1.146	1.067	6.9	94	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	91	0.00
77		Benzidine	0.279	0.378	-35.5#	96	0.00
78		Pyrene	1.730	1.662	3.9	94	0.00
79	S	Terphenyl-d14	1.353	1.336	1.3	95	0.00
80		Butylbenzylphthalate	0.677	0.669	1.2	93	0.00
81		Benzo(a)anthracene	1.312	1.219	7.1	87	0.00
82		3,3'-Dichlorobenzidine	0.379	0.366	3.4	90	0.00
83		Chrysene	1.190	1.169	1.8	94	0.00
84		Bis(2-ethylhexyl)phthalate	0.934	0.921	1.4	93	0.00
85	c	Di-n-octyl phthalate	1.299	1.308	-0.7	94	0.00
86	I	Perylene-d12	1.000	1.000	0.0	94	0.00
87		Indeno(1,2,3-cd)pyrene	1.294	1.240	4.2	91	0.00
88		Benzo(b)fluoranthene	1.371	1.224	10.7	95	0.00
89		Benzo(k)fluoranthene	1.173	1.141	2.7	89	0.00
90	C	Benzo(a)pyrene	1.073	1.020	4.9	93	0.00
91		Dibenzo(a,h)anthracene	1.067	1.021	4.3	90	0.00
92		Benzo(g,h,i)perylene	1.055	1.000	5.2	89	0.00

Sample Results: **BF141910.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141910.D
Acq On : 11 Mar 2025 11:51
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 11 12:36:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 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: **BF141910.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141910.D
Acq On : 11 Mar 2025 11:51
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 11 12:36:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 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	96	0.00
2		1,4-Dioxane	40.000	38.891	2.8	92	0.00
3		Pyridine	40.000	38.824	2.9	94	0.00
4		n-Nitrosodimethylamine	40.000	38.747	3.1	93	0.00
5	S	2-Fluorophenol	80.000	75.745	5.3	94	0.00
6		Aniline	40.000	38.634	3.4	95	0.00
7	S	Phenol-d6	80.000	75.624	5.5	96	0.00
8		2-Chlorophenol	40.000	38.309	4.2	97	0.00
9		Benzaldehyde	40.000	37.180	7.1	97	0.00
10	C	Phenol	40.000	38.098	4.8	95	0.00
11		bis(2-Chloroethyl)ether	40.000	37.748	5.6	95	0.00
12		1,3-Dichlorobenzene	40.000	38.163	4.6	95	0.00
13	C	1,4-Dichlorobenzene	40.000	38.438	3.9	96	0.00
14		1,2-Dichlorobenzene	40.000	38.106	4.7	95	0.00
15		Benzyl Alcohol	40.000	38.547	3.6	96	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	36.712	8.2	94	0.00
17		2-Methylphenol	40.000	38.255	4.4	96	0.00
18		Hexachloroethane	40.000	38.853	2.9	98	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	37.118	7.2	95	0.00
20		3+4-Methylphenols	40.000	38.055	4.9	95	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	96	0.00
22		Acetophenone	40.000	37.949	5.1	95	0.00
23	S	Nitrobenzene-d5	80.000	78.146	2.3	96	0.00
24		Nitrobenzene	40.000	38.869	2.8	95	0.00
25		Isophorone	40.000	38.255	4.4	96	0.00
26	C	2-Nitrophenol	40.000	41.039	-2.6	98	0.00
27		2,4-Dimethylphenol	40.000	39.112	2.2	97	0.00
28		bis(2-Chloroethoxy)methane	40.000	38.044	4.9	97	0.00
29	C	2,4-Dichlorophenol	40.000	38.695	3.3	96	0.00
30		1,2,4-Trichlorobenzene	40.000	38.575	3.6	98	0.00
31		Naphthalene	40.000	38.085	4.8	96	0.00
32		Benzoic acid	40.000	41.912	-4.8	102	0.00
33		4-Chloroaniline	40.000	38.457	3.9	95	0.00
34	C	Hexachlorobutadiene	40.000	39.286	1.8	99	0.00
35		Caprolactam	40.000	38.112	4.7	98	0.00
36	C	4-Chloro-3-methylphenol	40.000	38.467	3.8	96	0.00
37		2-Methylnaphthalene	40.000	38.672	3.3	98	0.00
38		1-Methylnaphthalene	40.000	38.099	4.8	97	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	97	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	38.978	2.6	97	0.00
41	P	Hexachlorocyclopentadiene	40.000	40.373	-0.9	93	0.00
42	S	2,4,6-Tribromophenol	80.000	80.359	-0.4	99	0.00
43	C	2,4,6-Trichlorophenol	40.000	40.071	-0.2	97	0.00
44		2,4,5-Trichlorophenol	40.000	38.614	3.5	97	0.00
45	S	2-Fluorobiphenyl	80.000	75.388	5.8	96	0.00
46		1,1'-Biphenyl	40.000	38.525	3.7	98	0.00
47		2-Chloronaphthalene	40.000	38.666	3.3	97	0.00

Sample Results: **BF141910.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141910.D
Acq On : 11 Mar 2025 11:51
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 11 12:36:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 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	39.109	2.2	97	0.00
49		Acenaphthylene	40.000	38.616	3.5	96	0.00
50		Dimethylphthalate	40.000	38.265	4.3	98	0.00
51		2,6-Dinitrotoluene	40.000	40.079	-0.2	99	0.00
52	C	Acenaphthene	40.000	38.576	3.6	96	0.00
53		3-Nitroaniline	40.000	39.135	2.2	96	0.00
54	P	2,4-Dinitrophenol	40.000	38.237	4.4	98	0.00
55		Dibenzofuran	40.000	38.292	4.3	97	0.00
56	P	4-Nitrophenol	40.000	39.683	0.8	93	0.00
57		2,4-Dinitrotoluene	40.000	39.975	0.1	98	0.00
58		Fluorene	40.000	38.073	4.8	98	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	39.950	0.1	99	0.00
60		Diethylphthalate	40.000	38.320	4.2	97	0.00
61		4-Chlorophenyl-phenylether	40.000	38.726	3.2	99	0.00
62		4-Nitroaniline	40.000	38.925	2.7	94	0.00
63		Azobenzene	40.000	38.408	4.0	97	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	98	0.00
65		4,6-Dinitro-2-methylphenol	40.000	39.988	0.0	96	0.00
66	c	n-Nitrosodiphenylamine	40.000	38.251	4.4	97	0.00
67		4-Bromophenyl-phenylether	40.000	39.001	2.5	98	0.00
68		Hexachlorobenzene	40.000	39.703	0.7	99	0.00
69		Atrazine	40.000	36.855	7.9	109	0.00
70	C	Pentachlorophenol	40.000	40.651	-1.6	95	0.00
71		Phenanthrene	40.000	38.045	4.9	97	0.00
72		Anthracene	40.000	38.043	4.9	96	0.00
73		Carbazole	40.000	37.829	5.4	95	0.00
74		Di-n-butylphthalate	40.000	37.945	5.1	98	0.00
75	C	Fluoranthene	40.000	37.256	6.9	94	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	91	0.00
77		Benzidine	40.000	54.153	-35.4#	96	0.00
78		Pyrene	40.000	38.418	4.0	94	0.00
79	S	Terphenyl-d14	80.000	79.004	1.2	95	0.00
80		Butylbenzylphthalate	40.000	39.548	1.1	93	0.00
81		Benzo(a)anthracene	40.000	37.144	7.1	87	0.00
82		3,3'-Dichlorobenzidine	40.000	38.611	3.5	90	0.00
83		Chrysene	40.000	39.306	1.7	94	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	39.447	1.4	93	0.00
85	c	Di-n-octyl phthalate	40.000	40.262	-0.7	94	0.00
86	I	Perylene-d12	20.000	20.000	0.0	94	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	38.348	4.1	91	0.00
88		Benzo(b)fluoranthene	40.000	35.721	10.7	95	0.00
89		Benzo(k)fluoranthene	40.000	38.924	2.7	89	0.00
90	C	Benzo(a)pyrene	40.000	38.039	4.9	93	0.00
91		Dibenzo(a,h)anthracene	40.000	38.270	4.3	90	0.00
92		Benzo(g,h,i)perylene	40.000	37.923	5.2	89	0.00

Sample Results: **BF141910.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141910.D
Acq On : 11 Mar 2025 11:51
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Mar 11 12:36:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG No.: Q1514

Instrument ID: BNA_G Calibration Date/Time: 03/07/2025 12:56

Lab File ID: BG064056.D Init. Calib. Date(s): 03/05/2025 03/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:02 13:44

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.281	1.291		0.8	
Benzaldehyde	1.013	0.945		-6.7	
Phenol-d6	1.742	1.763		1.2	
Phenol	1.784	1.847		3.5	20.0
bis(2-Chloroethyl)ether	1.399	1.376		-1.6	
2-Chlorophenol	1.376	1.371		-0.4	
2-Methylphenol	1.184	1.182		-0.2	
2,2-oxybis(1-Chloropropane)	3.145	3.061		-2.7	
Acetophenone	0.548	0.561		2.4	
3+4-Methylphenols	1.630	1.620		-0.6	
n-Nitroso-di-n-propylamine	1.223	1.189	0.050	-2.8	
Nitrobenzene-d5	0.362	0.385		6.4	
Hexachloroethane	0.542	0.547		0.9	
Nitrobenzene	0.374	0.399		6.7	
Isophorone	0.724	0.728		0.6	
2-Nitrophenol	0.112	0.113		0.9	20.0
2,4-Dimethylphenol	0.217	0.225		3.7	
bis(2-Chloroethoxy)methane	0.439	0.444		1.1	
2,4-Dichlorophenol	0.274	0.286		4.4	20.0
Naphthalene	1.078	1.097		1.8	
4-Chloroaniline	0.394	0.411		4.3	
Hexachlorobutadiene	0.217	0.220		1.4	20.0
Caprolactam	0.105	0.113		7.6	
4-Chloro-3-methylphenol	0.359	0.384		7.0	20.0
2-Methylnaphthalene	0.761	0.799		5.0	
Hexachlorocyclopentadiene	0.161	0.164	0.050	1.9	
2,4,6-Trichlorophenol	0.337	0.357		5.9	20.0
2-Fluorobiphenyl	1.318	1.344		2.0	
2,4,5-Trichlorophenol	0.374	0.389		4.0	
1,1-Biphenyl	1.511	1.529		1.2	
2-Chloronaphthalene	1.102	1.114		1.1	
2-Nitroaniline	0.318	0.339		6.6	
Dimethylphthalate	1.476	1.470		-0.4	
Acenaphthylene	1.743	1.729		-0.8	
2,6-Dinitrotoluene	0.261	0.286		9.6	
3-Nitroaniline	0.285	0.315		10.5	
Acenaphthene	1.170	1.159		-0.9	20.0
2,4-Dinitrophenol	0.102	0.094	0.050	-7.8	
4-Nitrophenol	0.239	0.254	0.050	6.3	

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Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PORT06

Lab Code: CHEM Case No.: Q1514 SAS No.: Q1514 SDG No.: Q1514

Instrument ID: BNA_G Calibration Date/Time: 03/07/2025 12:56

Lab File ID: BG064056.D Init. Calib. Date(s): 03/05/2025 03/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:02 13:44

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.895	1.896		0.1	
2,4-Dinitrotoluene	0.357	0.390		9.2	
Diethylphthalate	1.603	1.634		1.9	
4-Chlorophenyl-phenylether	0.733	0.717		-2.2	
Fluorene	1.476	1.497		1.4	
4-Nitroaniline	0.308	0.340		10.4	
4,6-Dinitro-2-methylphenol	0.076	0.074		-2.6	
n-Nitrosodiphenylamine	0.566	0.579		2.3	20.0
2,4,6-Tribromophenol	0.222	0.238		7.2	
4-Bromophenyl-phenylether	0.205	0.212		3.4	
Hexachlorobenzene	0.229	0.235		2.6	
Atrazine	0.167	0.159		-4.8	
Pentachlorophenol	0.142	0.140		-1.4	20.0
Phenanthrene	1.067	1.101		3.2	
Anthracene	1.061	1.102		3.9	
Carbazole	0.990	1.032		4.2	
Di-n-butylphthalate	1.166	1.263		8.3	
Fluoranthene	1.286	1.358		5.6	20.0
Pyrene	1.289	1.254		-2.7	
Terphenyl-d14	0.989	0.966		-2.3	
Butylbenzylphthalate	0.423	0.459		8.5	
3,3-Dichlorobenzidine	0.415	0.439		5.8	
Benzo(a)anthracene	1.281	1.296		1.2	
Chrysene	1.278	1.269		-0.7	
Bis(2-ethylhexyl)phthalate	0.693	0.760		9.7	
Di-n-octyl phthalate	1.195	1.220		2.1	20.0
Benzo(b)fluoranthene	1.209	1.218		0.7	
Benzo(k)fluoranthene	1.213	1.234		1.7	
Benzo(a)pyrene	1.077	1.096		1.8	20.0
Indeno(1,2,3-cd)pyrene	1.338	1.369		2.3	
Dibenzo(a,h)anthracene	1.109	1.130		1.9	
Benzo(g,h,i)perylene	1.139	1.157		1.6	
1,2,4,5-Tetrachlorobenzene	0.571	0.583		2.1	
1,4-Dioxane	0.580	0.675		16.4	20.0
2,3,4,6-Tetrachlorophenol	0.365	0.373		2.2	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064056.D
Acq On : 7 Mar 2025 12:56
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 07 14:19:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.866	152	31620	20.000	ng		0.00
21) Naphthalene-d8	10.651	136	134638	20.000	ng		0.00
39) Acenaphthene-d10	14.488	164	94280	20.000	ng		0.00
64) Phenanthrene-d10	17.231	188	212553	20.000	ng		0.00
76) Chrysene-d12	21.462	240	237923	20.000	ng		0.00
86) Perylene-d12	24.482	264	252082	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.445	112	163232	80.607	ng		0.00
7) Phenol-d6	7.026	99	222994	80.946	ng		0.00
23) Nitrobenzene-d5	9.018	82	207456	85.150	ng		0.00
42) 2,4,6-Tribromophenol	15.974	330	89612	85.509	ng		0.00
45) 2-Fluorobiphenyl	13.113	172	506833	81.599	ng		0.00
79) Terphenyl-d14	19.852	244	919569	78.150	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.371	88	42677	46.501	ng		96
3) Pyridine	3.759	79	106327	47.638	ng		99
4) n-Nitrosodimethylamine	3.671	42	76217	47.794	ng	#	91
6) Aniline	7.190	93	108123	39.998	ng		96
8) 2-Chlorophenol	7.425	128	86690	39.859	ng		94
9) Benzaldehyde	7.002	77	59761	37.299	ng		96
10) Phenol	7.055	94	116819	41.417	ng		98
11) bis(2-Chloroethyl)ether	7.290	93	87047	39.365	ng		96
12) 1,3-Dichlorobenzene	7.754	146	94861	39.718	ng		94
13) 1,4-Dichlorobenzene	7.901	146	96397	39.377	ng		99
14) 1,2-Dichlorobenzene	8.213	146	93538	39.625	ng		98
15) Benzyl Alcohol	8.095	79	85438	40.134	ng		95
16) 2,2'-oxybis(1-Chloropr...	8.395	45	193583	38.934	ng		97
17) 2-Methylphenol	8.301	107	74732	39.922	ng		98
18) Hexachloroethane	8.947	117	34620	40.420	ng		98
19) n-Nitroso-di-n-propyla...	8.665	70	75166	38.878	ng		95
20) 3+4-Methylphenols	8.624	107	102443	39.751	ng		98
22) Acetophenone	8.677	105	150957	40.893	ng		98
24) Nitrobenzene	9.053	77	107385	42.649	ng	#	96
25) Isophorone	9.582	82	195992	40.191	ng		96
26) 2-Nitrophenol	9.764	139	30554	37.268	ng	#	94
27) 2,4-Dimethylphenol	9.828	122	60492	41.379	ng		97
28) bis(2-Chloroethoxy)met...	10.063	93	119491	40.416	ng		97
29) 2,4-Dichlorophenol	10.298	162	76899	41.658	ng		97
30) 1,2,4-Trichlorobenzene	10.516	180	90491	40.608	ng		95
31) Naphthalene	10.704	128	295443	40.694	ng		98
32) Benzoic acid	9.958	122	42548m	34.646	ng		
33) 4-Chloroaniline	10.804	127	110693	41.716	ng		95
34) Hexachlorobutadiene	10.998	225	59251	40.565	ng		97
35) Caprolactam	11.573	113	30335	42.883	ng		98
36) 4-Chloro-3-methylphenol	11.926	107	103519	42.782	ng		97
37) 2-Methylnaphthalene	12.308	142	215103	41.969	ng		98
38) 1-Methylnaphthalene	12.531	142	211868	42.194	ng		95
40) 1,2,4,5-Tetrachloroben...	12.678	216	109906	40.833	ng		99
41) Hexachlorocyclopentadiene	12.666	237	30867	40.745	ng		96
43) 2,4,6-Trichlorophenol	12.919	196	67410	42.493	ng		97

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064056.D
Acq On : 7 Mar 2025 12:56
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 07 14:19:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.983	196	73310	41.590	ng		96
46) 1,1'-Biphenyl	13.324	154	288292	40.474	ng		98
47) 2-Chloronaphthalene	13.360	162	210099	40.443	ng		99
48) 2-Nitroaniline	13.559	65	63950	38.772	ng		99
49) Acenaphthylene	14.211	152	326081	39.684	ng		99
50) Dimethylphthalate	13.947	163	277103	39.816	ng		98
51) 2,6-Dinitrotoluene	14.059	165	53963	38.904	ng		94
52) Acenaphthene	14.552	154	218501m	39.623	ng		
53) 3-Nitroaniline	14.388	138	59402	44.163	ng		97
54) 2,4-Dinitrophenol	14.588	184	17814	35.162	ng		91
55) Dibenzofuran	14.887	168	357418	40.009	ng		99
56) 4-Nitrophenol	14.687	139	47880	42.444	ng		94
57) 2,4-Dinitrotoluene	14.846	165	73624	38.567	ng	#	93
58) Fluorene	15.533	166	282352	40.580	ng		97
59) 2,3,4,6-Tetrachlorophenol	15.110	232	70291	40.905	ng		95
60) Diethylphthalate	15.316	149	308024	40.770	ng		97
61) 4-Chlorophenyl-phenyle...	15.533	204	135209	39.104	ng		94
62) 4-Nitroaniline	15.545	138	64169	44.188	ng		97
63) Azobenzene	15.821	77	317556	39.389	ng		99
65) 4,6-Dinitro-2-methylph...	15.610	198	31481	36.621	ng		96
66) n-Nitrosodiphenylamine	15.745	169	246083	40.901	ng		99
67) 4-Bromophenyl-phenylether	16.427	248	90293	41.477	ng		99
68) Hexachlorobenzene	16.538	284	100069	41.059	ng		96
69) Atrazine	16.697	200	67671	38.227	ng		93
70) Pentachlorophenol	16.879	266	59432	39.275	ng		96
71) Phenanthrene	17.273	178	468032	41.283	ng		99
72) Anthracene	17.361	178	468364	41.547	ng		99
73) Carbazole	17.631	167	438852	41.695	ng		98
74) Di-n-butylphthalate	18.207	149	537107	43.352	ng		100
75) Fluoranthene	19.282	202	577204	42.231	ng		97
77) Benzidine	19.464	184	194495	59.035	ng		100
78) Pyrene	19.640	202	596758	38.910	ng		99
80) Butylbenzylphthalate	20.545	149	218191	38.677	ng		97
81) Benzo(a)anthracene	21.444	228	616609	40.458	ng		98
82) 3,3'-Dichlorobenzidine	21.368	252	208835	42.339	ng		99
83) Chrysene	21.509	228	604054	39.739	ng		99
84) Bis(2-ethylhexyl)phtha...	21.380	149	361498	43.858	ng	#	99
85) Di-n-octyl phthalate	22.531	149	580604	40.839	ng		100
87) Indeno(1,2,3-cd)pyrene	27.884	276	690171	40.920	ng		99
88) Benzo(b)fluoranthene	23.530	252	613863	40.282	ng		99
89) Benzo(k)fluoranthene	23.595	252	622317	40.706	ng		99
90) Benzo(a)pyrene	24.341	252	552442	40.705	ng		98
91) Dibenzo(a,h)anthracene	27.948	278	569549	40.732	ng		100
92) Benzo(g,h,i)perylene	28.947	276	583542	40.647	ng		99

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

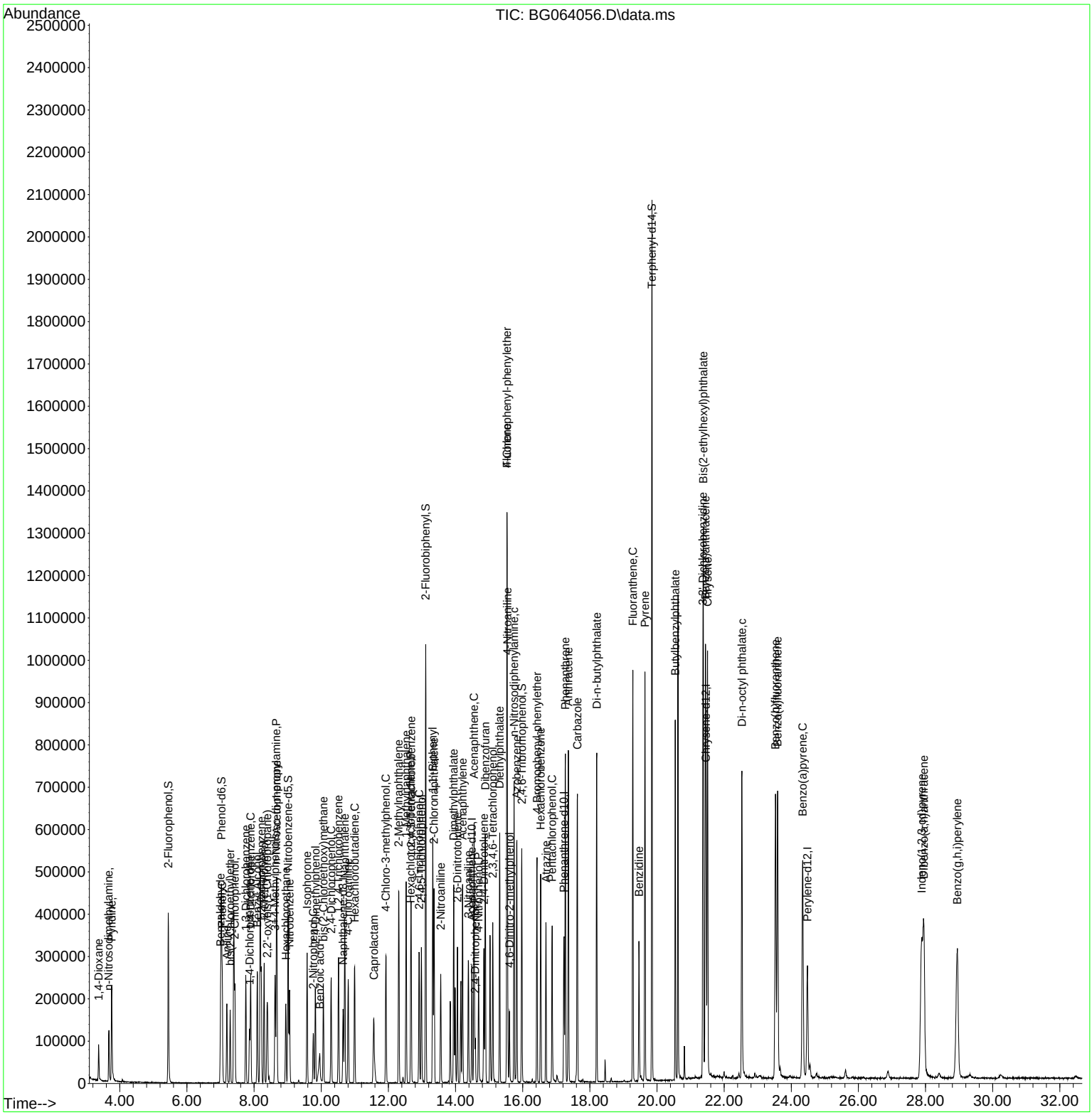
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064056.D
Acq On : 7 Mar 2025 12:56
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

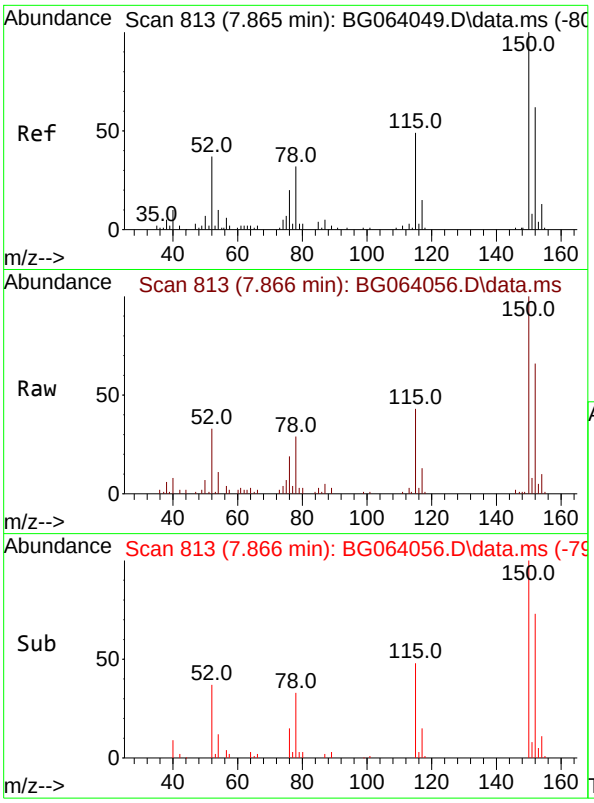
Quant Time: Mar 07 14:19:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

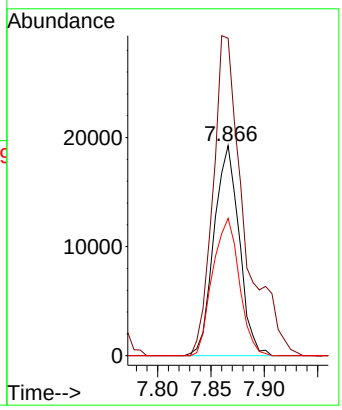




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.866 min Scan# 81
Delta R.T. 0.001 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:152 Resp: 3162

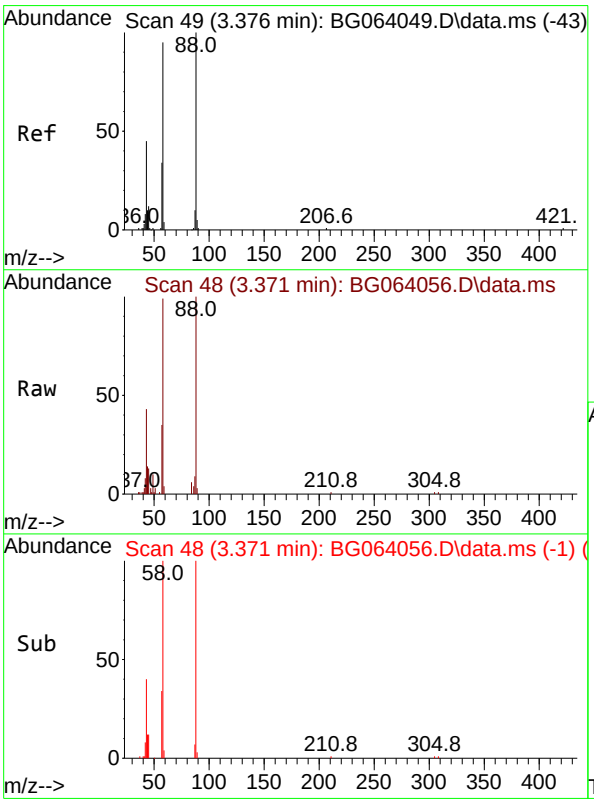
Ion	Ratio	Lower	Upper
152	100		
150	151.0	129.2	193.8
115	65.3	63.0	94.6



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

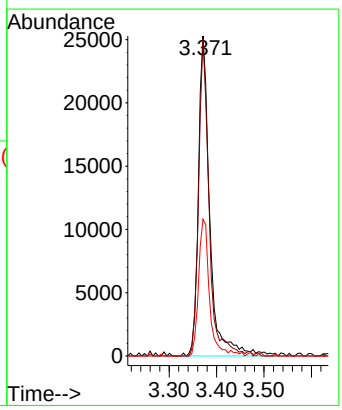
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

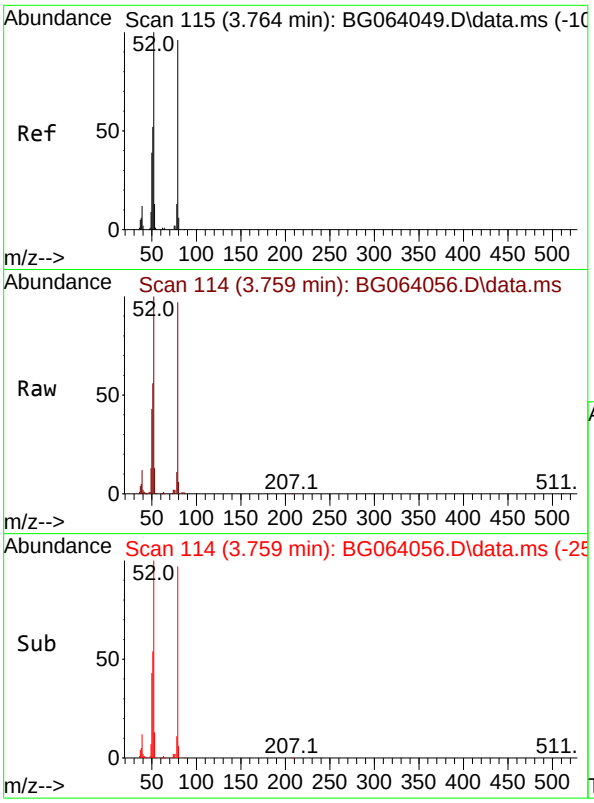


#2
1,4-Dioxane
Concen: 46.501 ng
RT: 3.371 min Scan# 48
Delta R.T. -0.005 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion: 88 Resp: 42677

Ion	Ratio	Lower	Upper
88	100		
58	90.5	74.6	111.8
43	40.8	35.5	53.3

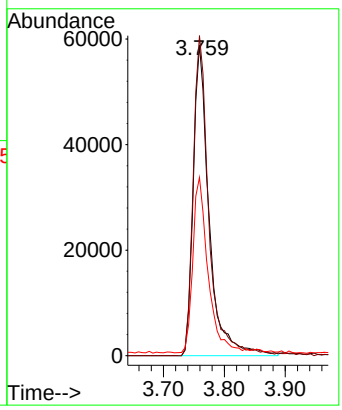




#3
Pyridine
Concen: 47.638 ng
RT: 3.759 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion: 79 Resp: 10632

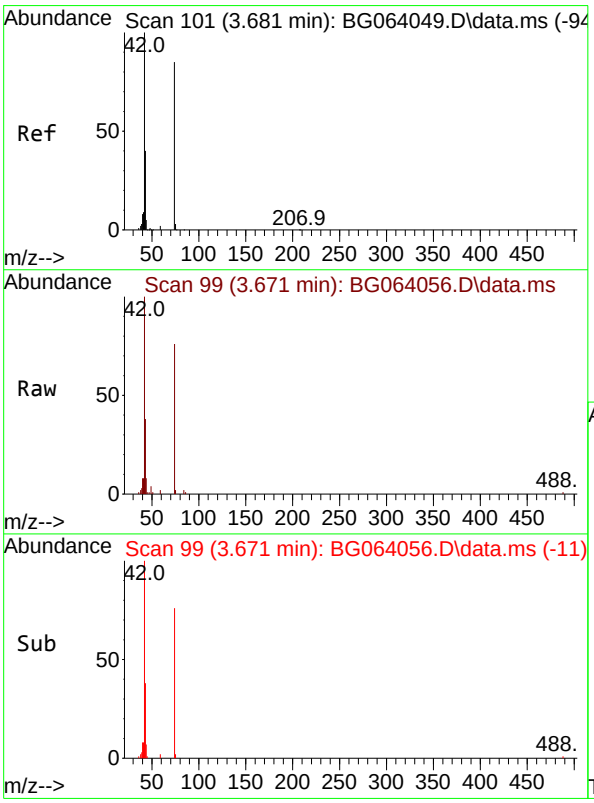
Ion	Ratio	Lower	Upper
79	100		
52	103.0	83.0	124.6
51	57.4	44.3	66.5



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

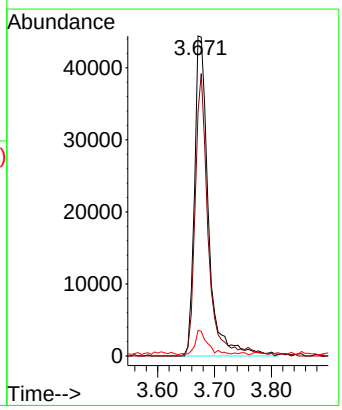
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

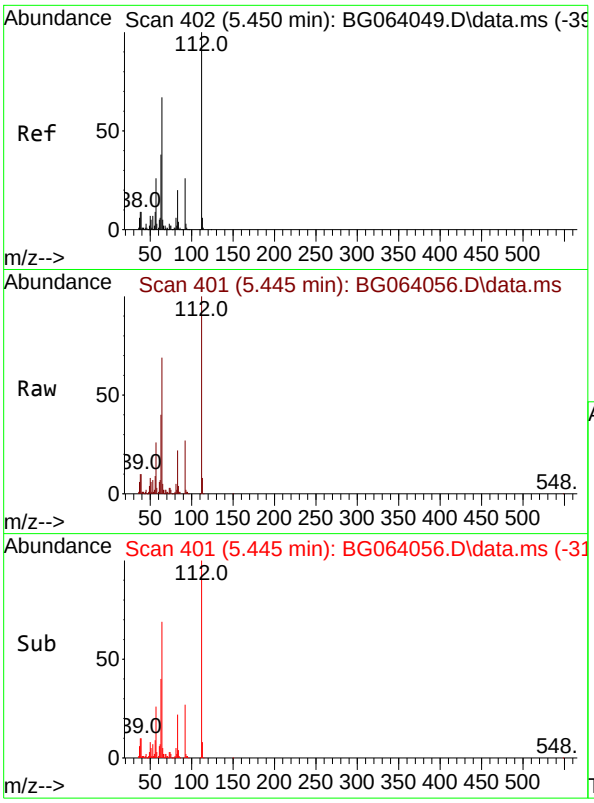


#4
n-Nitrosodimethylamine
Concen: 47.794 ng
RT: 3.671 min Scan# 99
Delta R.T. -0.010 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion: 42 Resp: 76217

Ion	Ratio	Lower	Upper
42	100		
74	76.2	68.0	102.0
44	8.0	4.9	7.3#





#5
2-Fluorophenol
Concen: 80.607 ng
RT: 5.445 min Scan# 4(
Delta R.T. -0.005 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:112 Resp: 16323

Ion	Ratio	Lower	Upper
112	100		
64	69.3	53.7	80.5
63	40.0	30.2	45.4

Instrument :
BNA_G
ClientSampleId :
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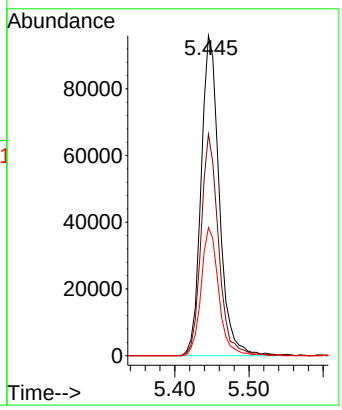
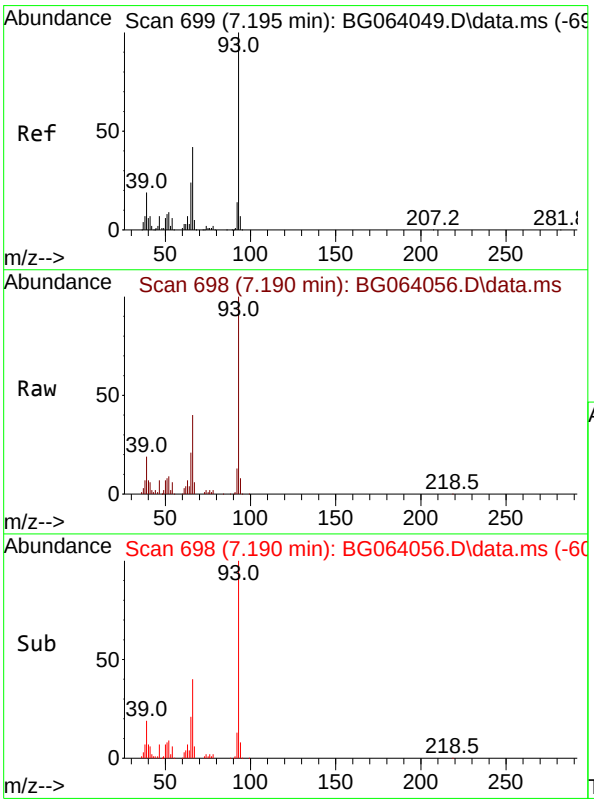
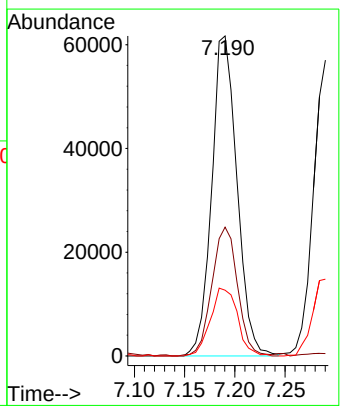


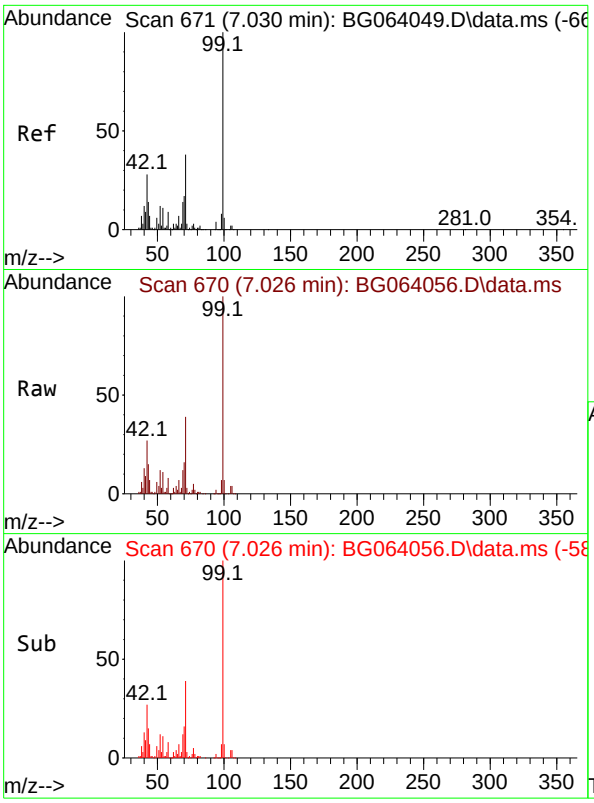


#6
Aniline
Concen: 39.998 ng
RT: 7.190 min Scan# 698
Delta R.T. -0.005 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion: 93 Resp: 108123

Ion	Ratio	Lower	Upper
93	100		
66	40.3	33.7	50.5
65	20.6	19.1	28.7

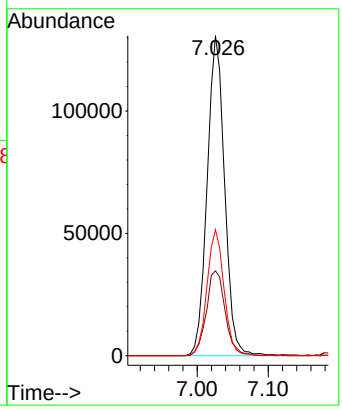




#7
Phenol-d6
Concen: 80.946 ng
RT: 7.026 min Scan# 6
Delta R.T. -0.005 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion: 99 Resp: 22299

Ion	Ratio	Lower	Upper
99	100		
42	26.5	22.7	34.1
71	39.4	30.6	46.0



Instrument :
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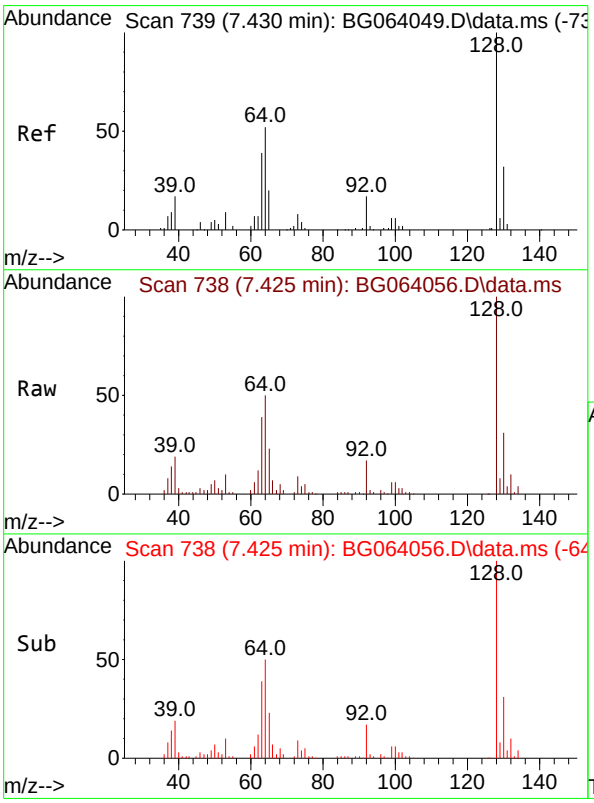
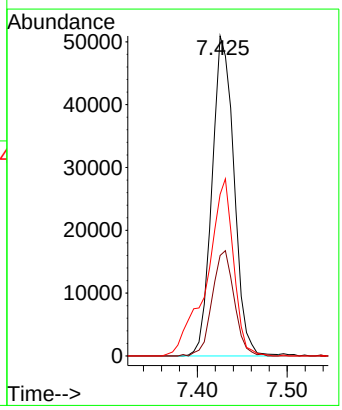
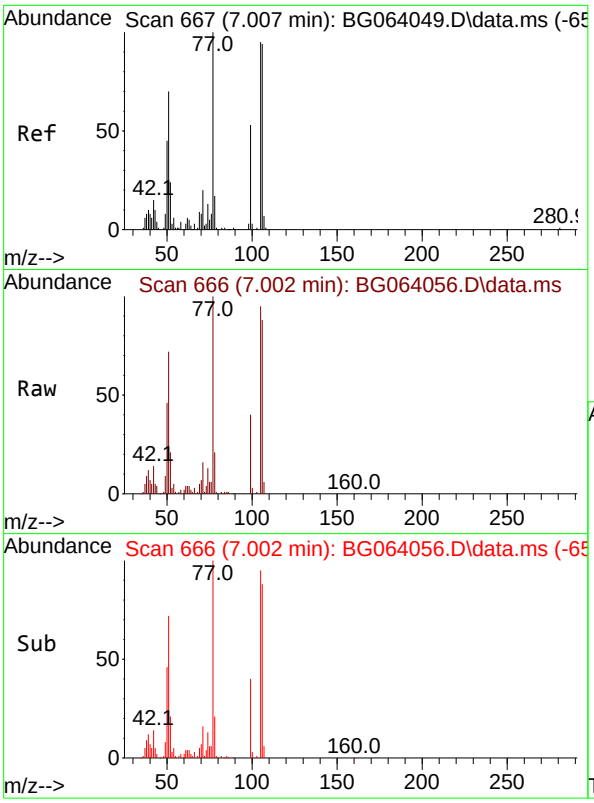


#8
2-Chlorophenol
Concen: 39.859 ng
RT: 7.425 min Scan# 738
Delta R.T. -0.005 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:128 Resp: 86690

Ion	Ratio	Lower	Upper
128	100		
130	31.4	12.3	52.3
64	50.5	37.0	77.0

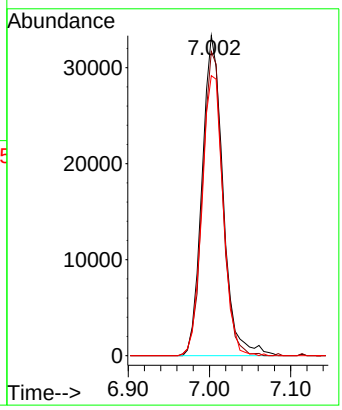




#9
Benzaldehyde
Concen: 37.299 ng
RT: 7.002 min Scan# 6
Delta R.T. -0.005 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion: 77 Resp: 5976

Ion	Ratio	Lower	Upper
77	100		
105	95.0	75.5	115.5
106	87.5	74.2	114.2



Instrument :
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ClientSampleId :
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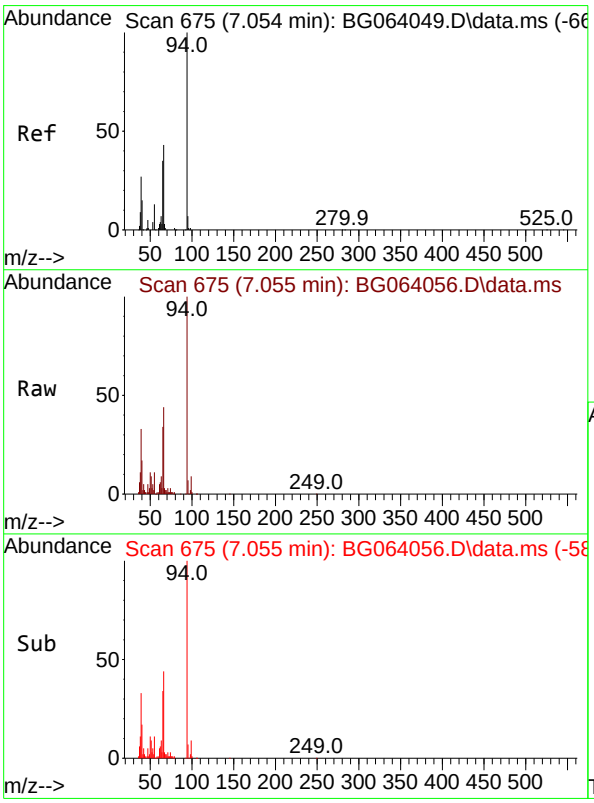
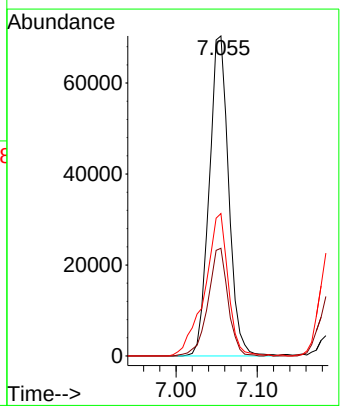
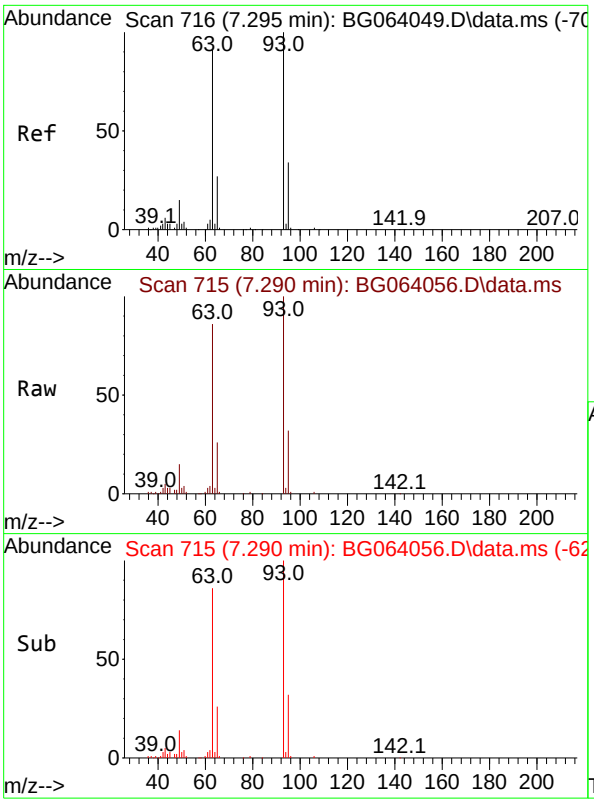


#10
Phenol
Concen: 41.417 ng
RT: 7.055 min Scan# 675
Delta R.T. 0.001 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion: 94 Resp: 116819

Ion	Ratio	Lower	Upper
94	100		
65	33.6	15.2	55.2
66	44.5	25.1	65.1

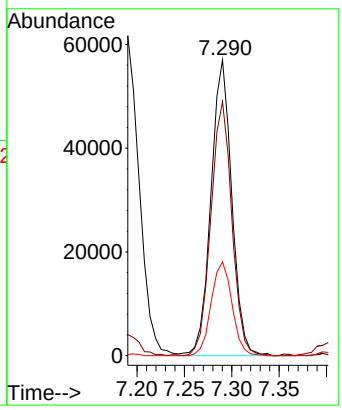




#11
bis(2-Chloroethyl)ether
Concen: 39.365 ng
RT: 7.290 min Scan# 7
Delta R.T. -0.005 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion: 93 Resp: 8704

Ion	Ratio	Lower	Upper
93	100		
63	85.8	70.0	110.0
95	31.7	13.7	53.7



Instrument :
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ClientSampleId :
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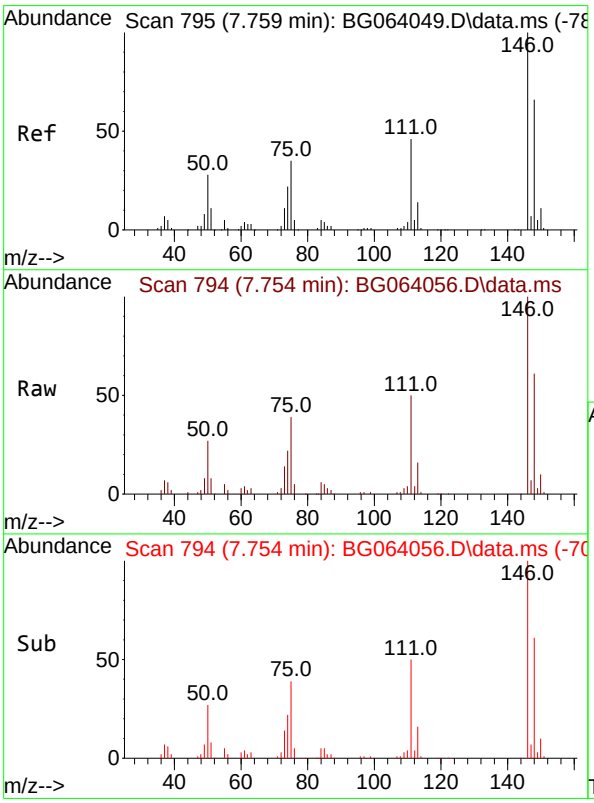
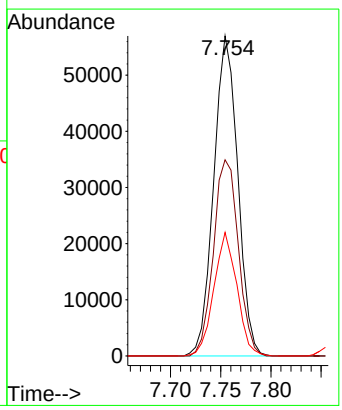
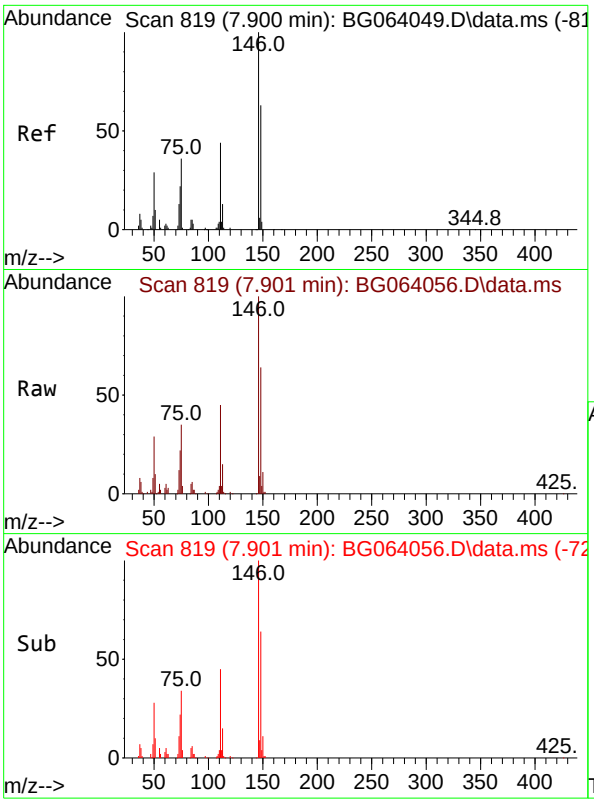


#12
1,3-Dichlorobenzene
Concen: 39.718 ng
RT: 7.754 min Scan# 794
Delta R.T. -0.005 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:146 Resp: 94861

Ion	Ratio	Lower	Upper
146	100		
148	61.3	52.6	78.8
75	38.6	28.1	42.1





#13
1,4-Dichlorobenzene
Concen: 39.377 ng
RT: 7.901 min Scan# 81
Delta R.T. 0.001 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:146 Resp: 9639

Ion	Ratio	Lower	Upper
146	100		
148	64.0	50.6	75.8
111	45.2	35.1	52.7

Instrument :
BNA_G
ClientSampleId :
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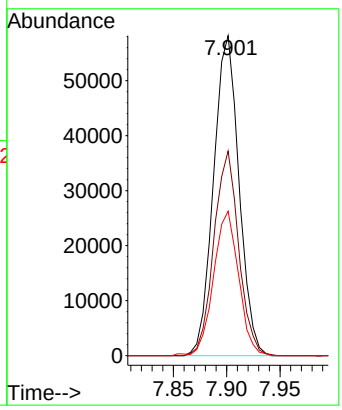
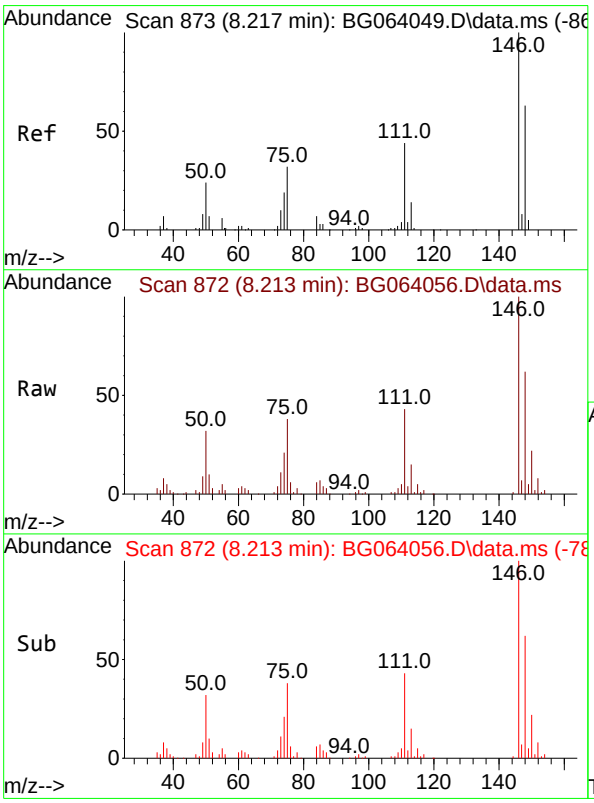
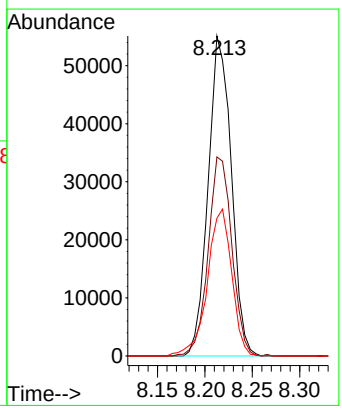


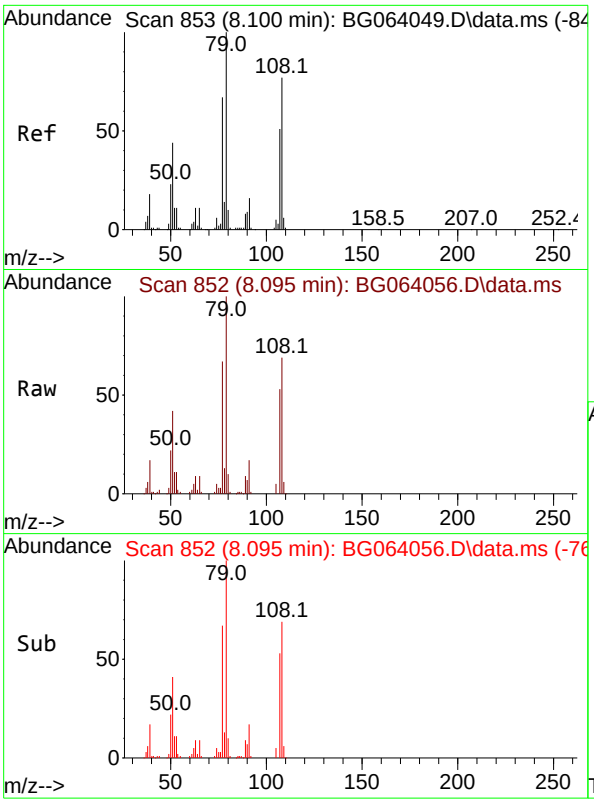


#14
1,2-Dichlorobenzene
Concen: 39.625 ng
RT: 8.213 min Scan# 872
Delta R.T. -0.005 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:146 Resp: 93538

Ion	Ratio	Lower	Upper
146	100		
148	62.2	50.2	75.2
111	43.0	36.4	54.6





#15
Benzyl Alcohol
Concen: 40.134 ng
RT: 8.095 min Scan# 8
Delta R.T. -0.005 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion: 79 Resp: 8543

Ion	Ratio	Lower	Upper
79	100		
108	69.3	61.7	92.5
77	67.3	53.9	80.9

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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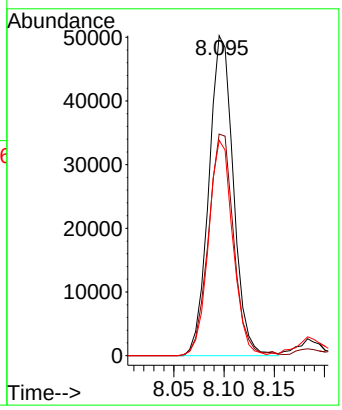
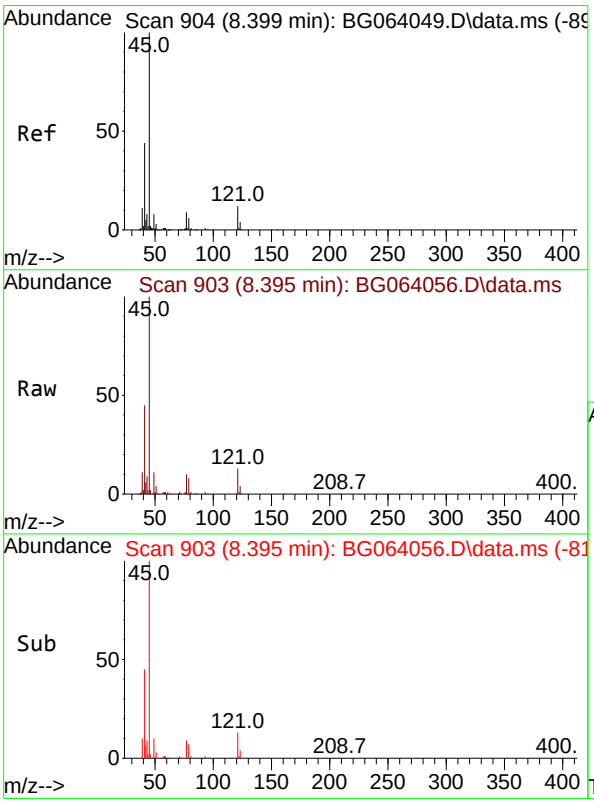
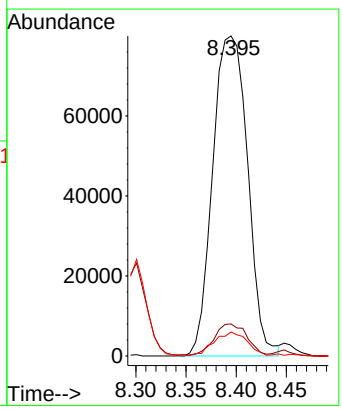


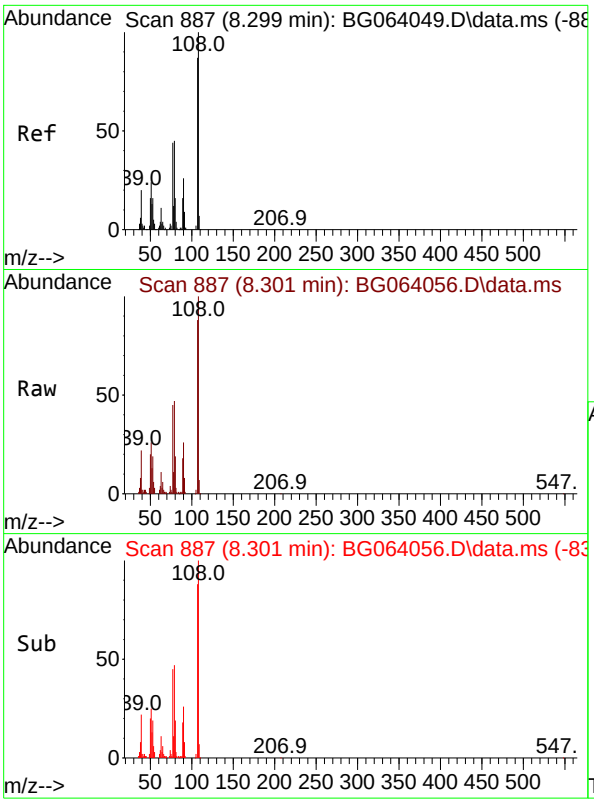


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.934 ng
RT: 8.395 min Scan# 903
Delta R.T. -0.005 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion: 45 Resp: 193583

Ion	Ratio	Lower	Upper
45	100		
77	10.0	0.0	29.0
79	7.5	0.0	26.6

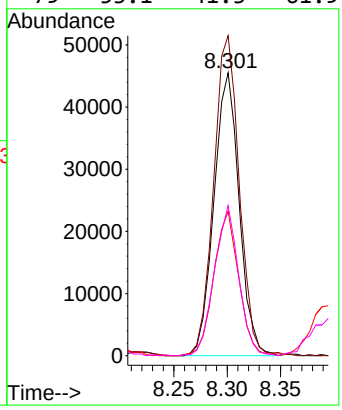




#17
2-Methylphenol
Concen: 39.922 ng
RT: 8.301 min Scan# 8
Delta R.T. 0.001 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:107 Resp: 7473

Ion	Ratio	Lower	Upper
107	100		
108	113.1	92.5	138.7
77	51.0	40.5	60.7
79	53.1	41.3	61.9



Instrument :
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ClientSampleId :
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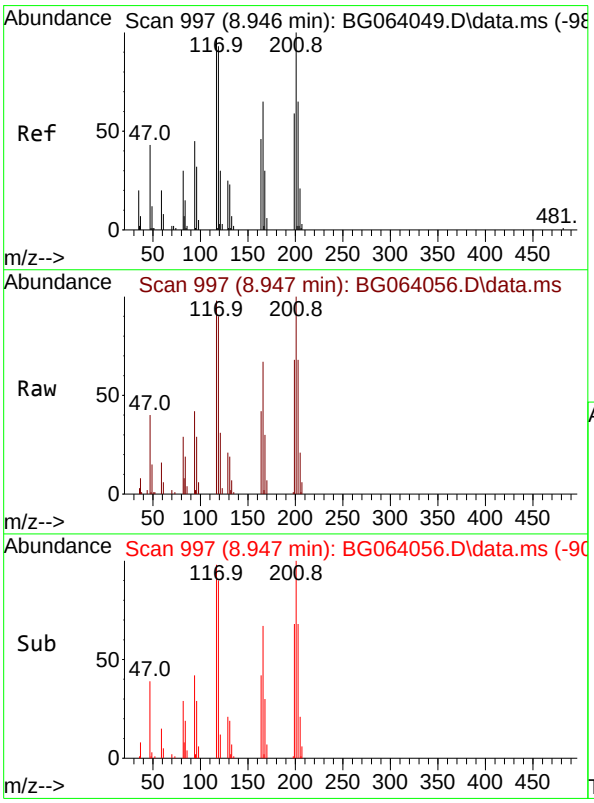
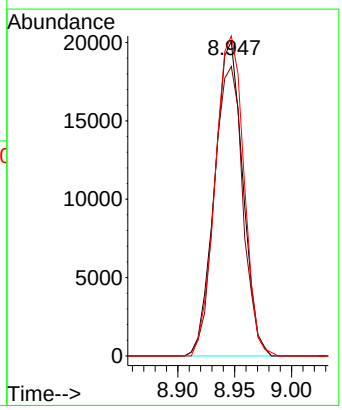
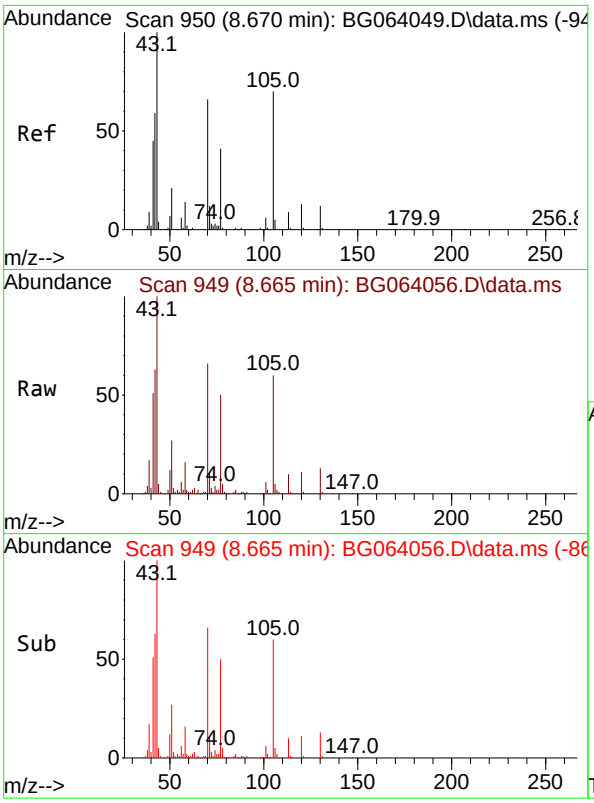


#18
Hexachloroethane
Concen: 40.420 ng
RT: 8.947 min Scan# 997
Delta R.T. 0.001 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:117 Resp: 34620

Ion	Ratio	Lower	Upper
117	100		
119	92.0	76.2	114.2
201	101.8	81.5	122.3

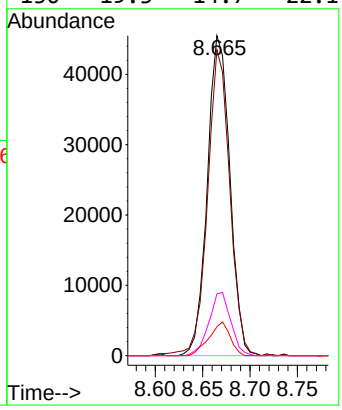




#19
n-Nitroso-di-n-propylamine
Concen: 38.878 ng
RT: 8.665 min Scan# 94
Delta R.T. -0.005 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion: 70 Resp: 7516

Ion	Ratio	Lower	Upper
70	100		
42	95.6	72.1	108.1
101	9.0	7.2	10.8
130	19.3	14.7	22.1



Instrument :
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ClientSampleId :
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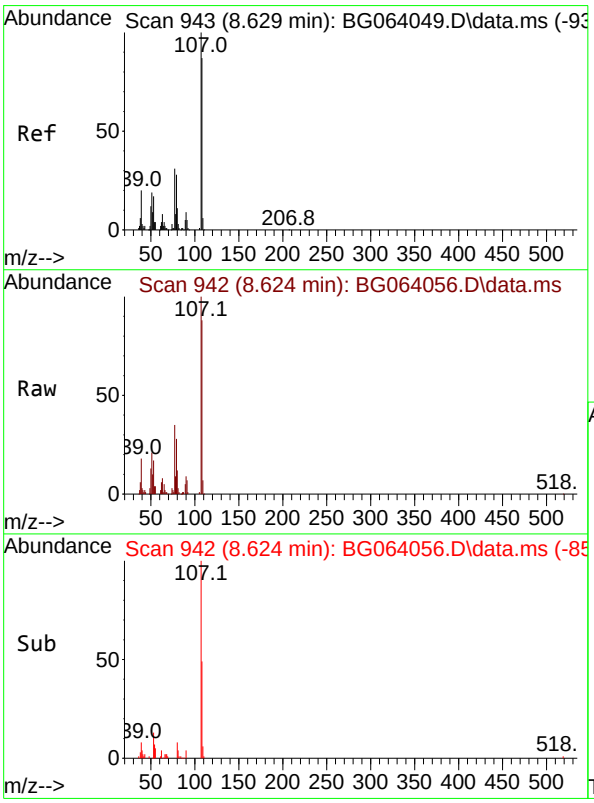
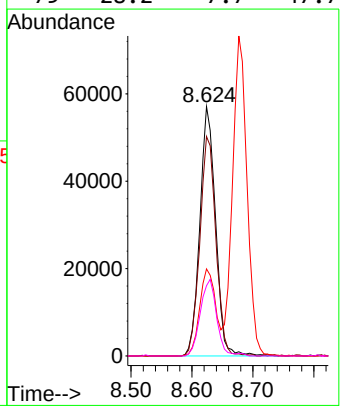
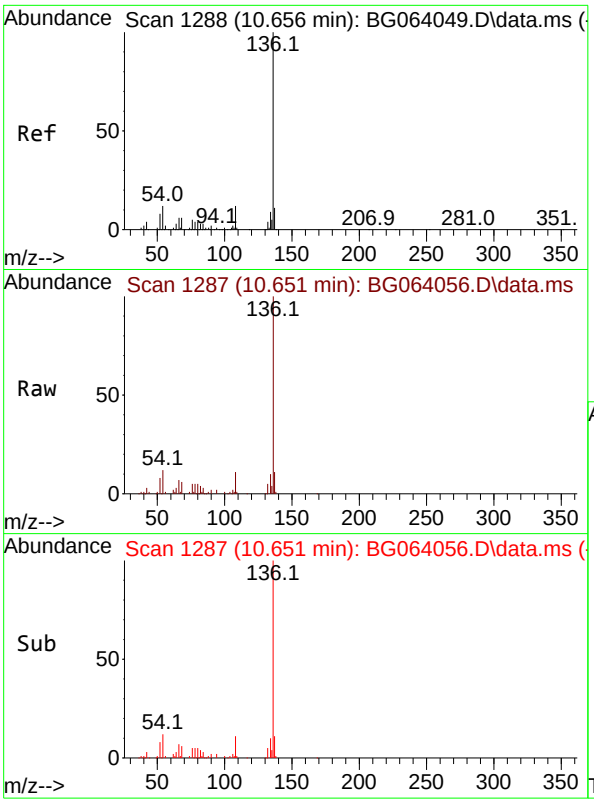


#20
3+4-Methylphenols
Concen: 39.751 ng
RT: 8.624 min Scan# 942
Delta R.T. -0.005 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:107 Resp: 102443

Ion	Ratio	Lower	Upper
107	100		
108	88.1	67.0	107.0
77	34.9	11.2	51.2
79	28.2	7.7	47.7

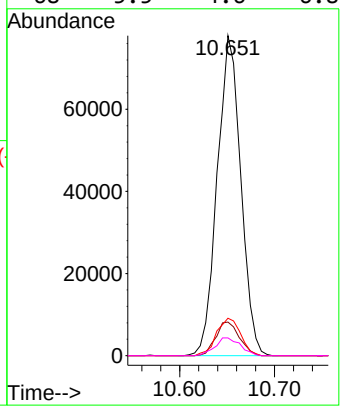




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.651 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:136 Resp: 13463

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.5	12.7
54	11.7	9.9	14.9
68	5.5	4.6	6.8



Instrument :
BNA_G
ClientSampleId :
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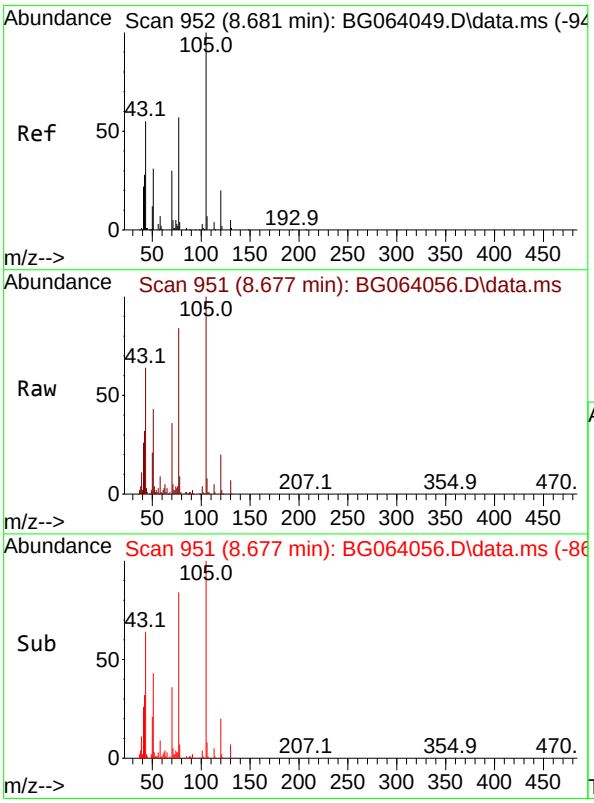
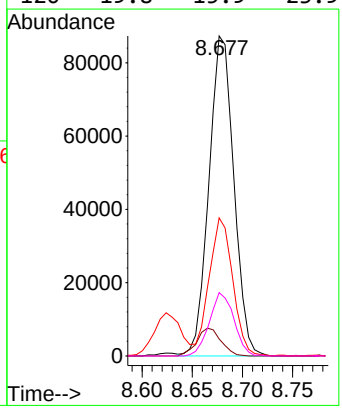
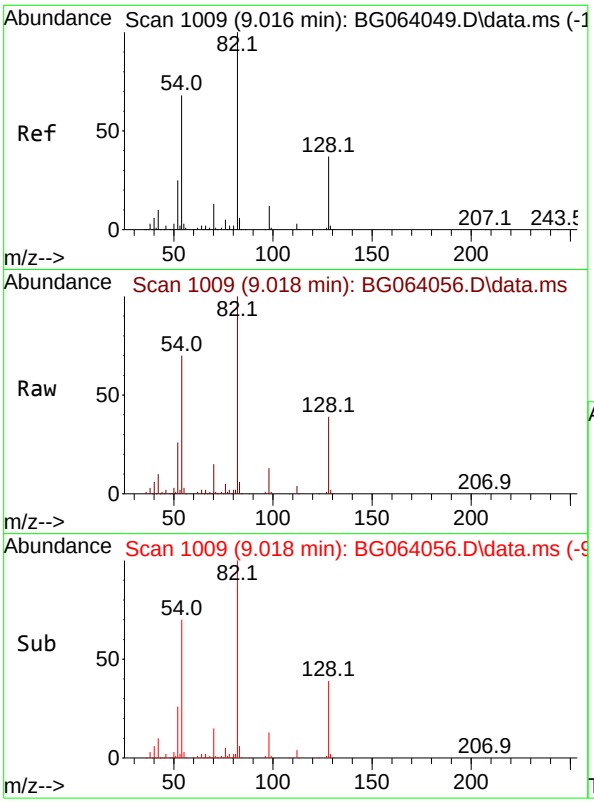


#22
Acetophenone
Concen: 40.893 ng
RT: 8.677 min Scan# 951
Delta R.T. -0.005 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:105 Resp: 150957

Ion	Ratio	Lower	Upper
105	100		
71	5.3	4.2	6.4
51	43.2	33.3	49.9
120	19.8	15.9	23.9

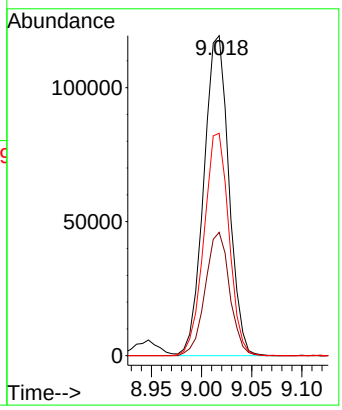




#23
Nitrobenzene-d5
Concen: 85.150 ng
RT: 9.018 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion: 82 Resp: 20745

Ion	Ratio	Lower	Upper
82	100		
128	38.5	30.0	45.0
54	69.5	54.7	82.1



Instrument :
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ClientSampleId :
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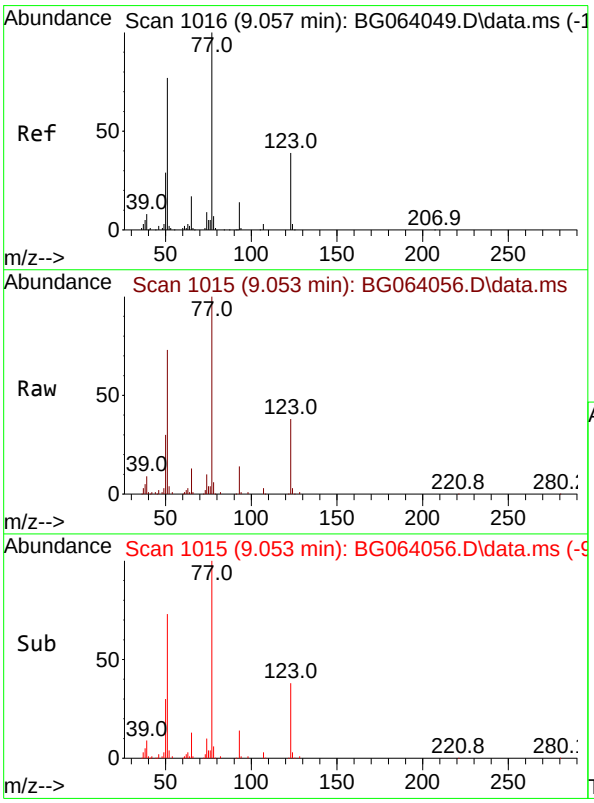
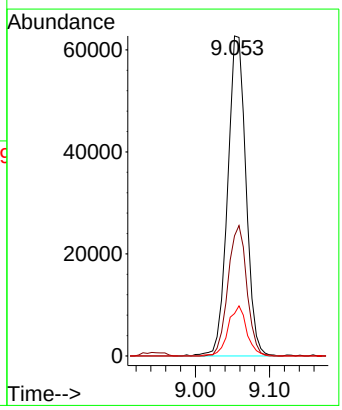
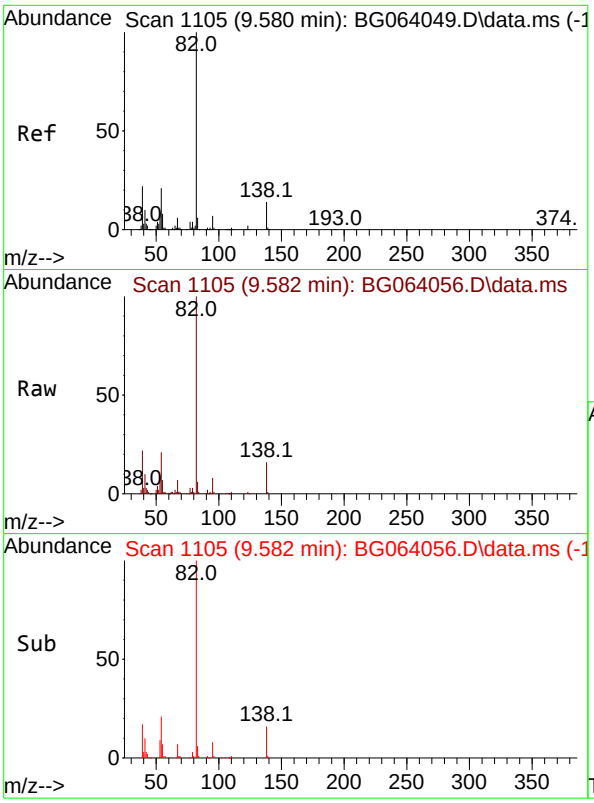


#24
Nitrobenzene
Concen: 42.649 ng
RT: 9.053 min Scan# 1015
Delta R.T. -0.005 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion: 77 Resp: 107385

Ion	Ratio	Lower	Upper
77	100		
123	37.6	31.4	47.2
65	13.2	13.4	20.0#

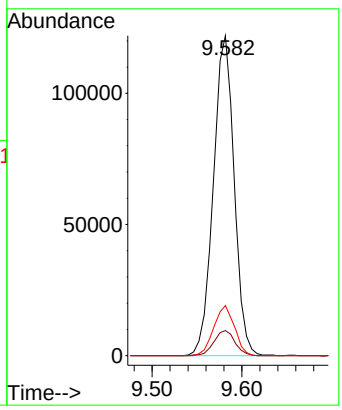




#25
Isophorone
Concen: 40.191 ng
RT: 9.582 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion: 82 Resp: 19599

Ion	Ratio	Lower	Upper
82	100		
95	7.8	5.8	8.8
138	15.7	10.9	16.3



Instrument :
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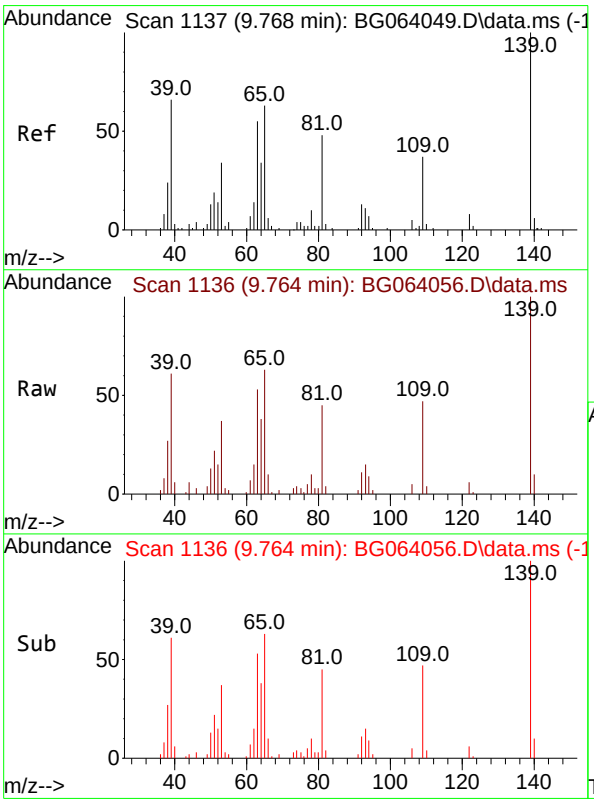
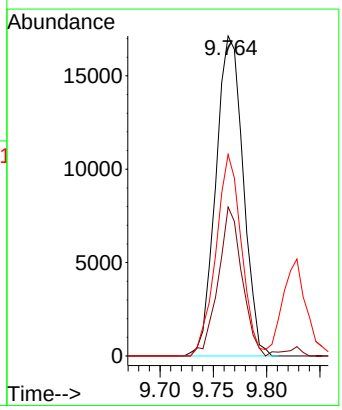
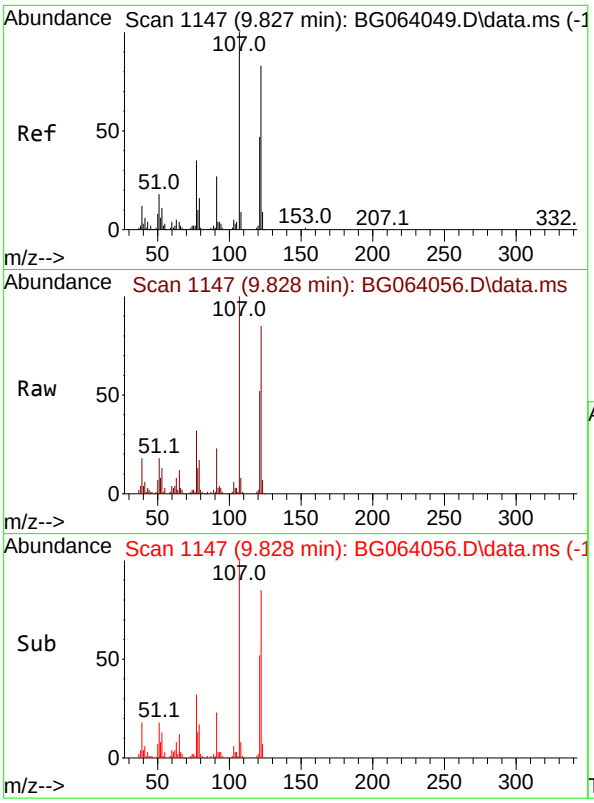


#26
2-Nitrophenol
Concen: 37.268 ng
RT: 9.764 min Scan# 1136
Delta R.T. -0.004 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:139 Resp: 30554

Ion	Ratio	Lower	Upper
139	100		
109	46.5	29.9	44.9#
65	63.0	50.6	76.0





#27
2,4-Dimethylphenol
Concen: 41.379 ng
RT: 9.828 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:122 Resp: 6049

Ion	Ratio	Lower	Upper
122	100		
107	117.5	95.4	143.0
121	60.7	44.9	67.3

Instrument :
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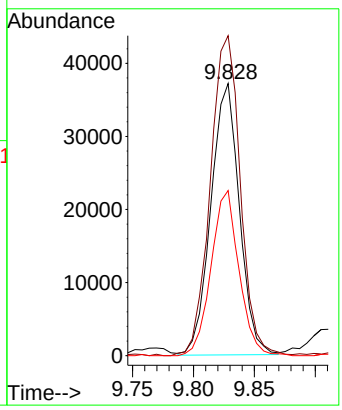
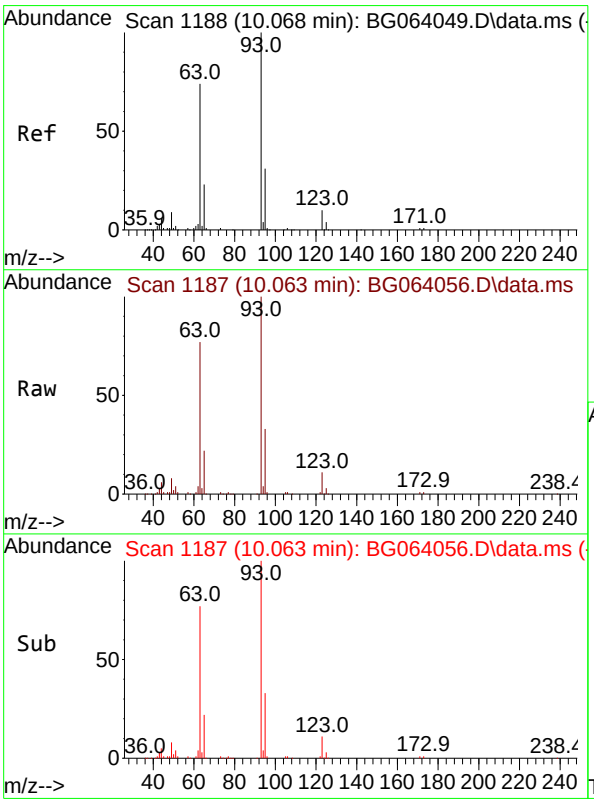
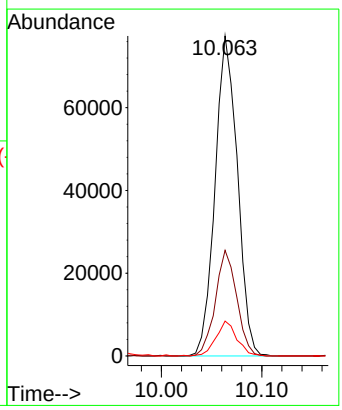


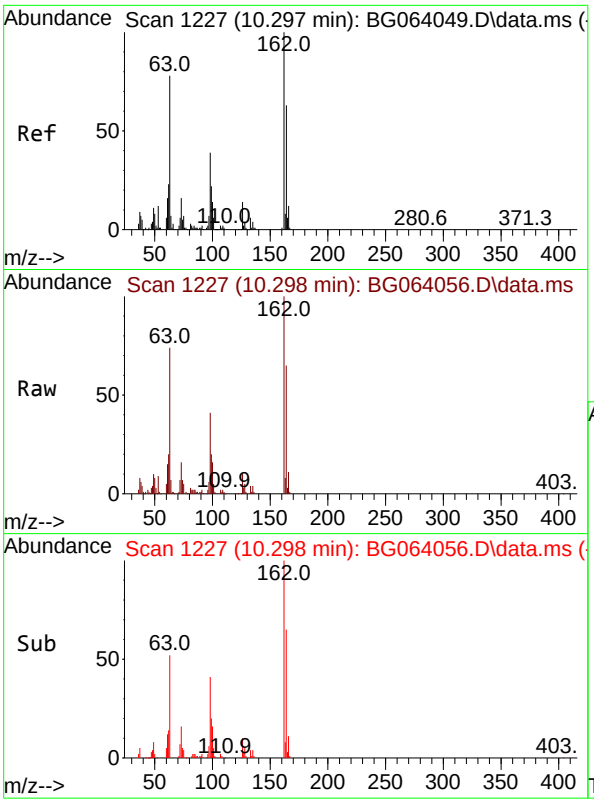


#28
bis(2-Chloroethoxy)methane
Concen: 40.416 ng
RT: 10.063 min Scan# 1187
Delta R.T. -0.005 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion: 93 Resp: 119491

Ion	Ratio	Lower	Upper
93	100		
95	33.0	25.0	37.4
123	10.9	7.6	11.4

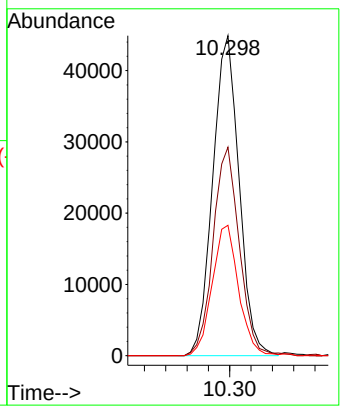




#29
2,4-Dichlorophenol
Concen: 41.658 ng
RT: 10.298 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:162 Resp: 7689

Ion	Ratio	Lower	Upper
162	100		
164	65.2	42.8	82.8
98	40.8	19.1	59.1



Instrument :
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ClientSampleId :
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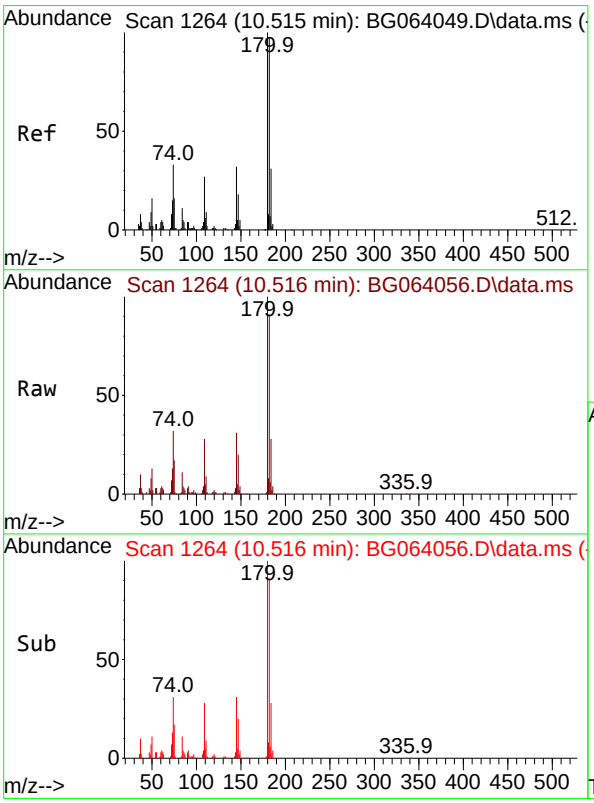
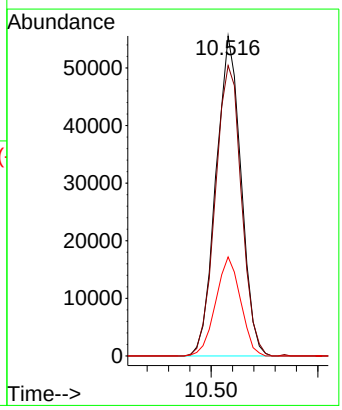
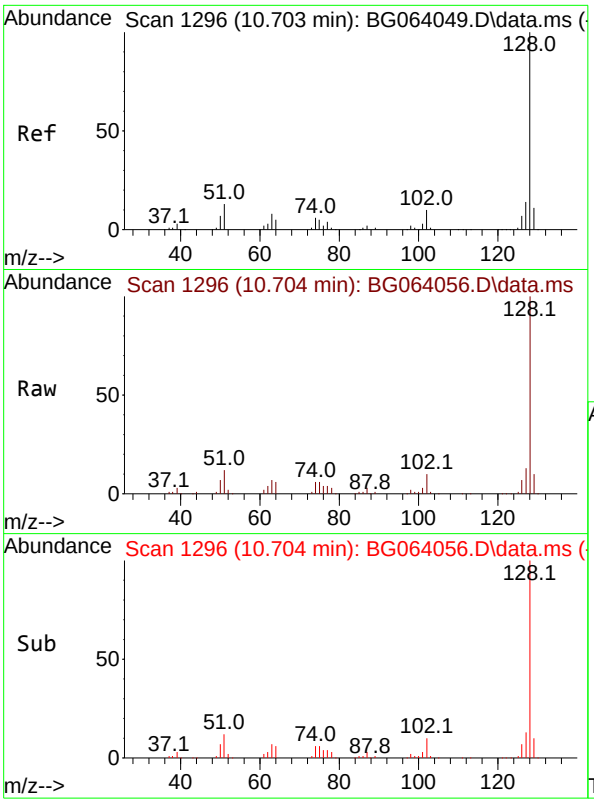


#30
1,2,4-Trichlorobenzene
Concen: 40.608 ng
RT: 10.516 min Scan# 1264
Delta R.T. 0.001 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:180 Resp: 90491

Ion	Ratio	Lower	Upper
180	100		
182	90.8	77.3	115.9
145	30.9	25.2	37.8

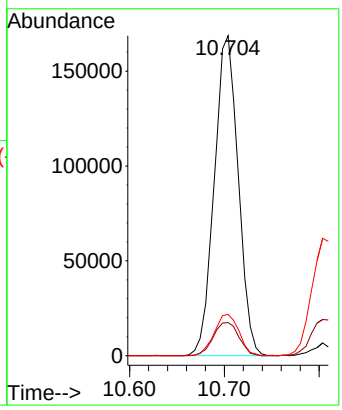




#31
Naphthalene
Concen: 40.694 ng
RT: 10.704 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:128 Resp: 29544

Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.4	12.6
127	12.9	11.1	16.7



Instrument :
BNA_G
ClientSampleId :
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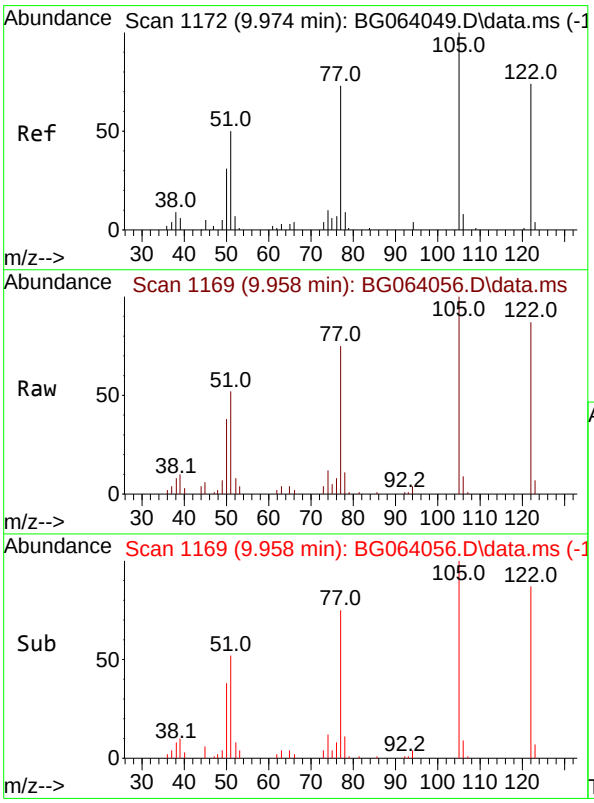
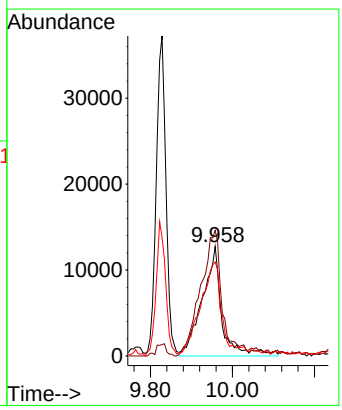
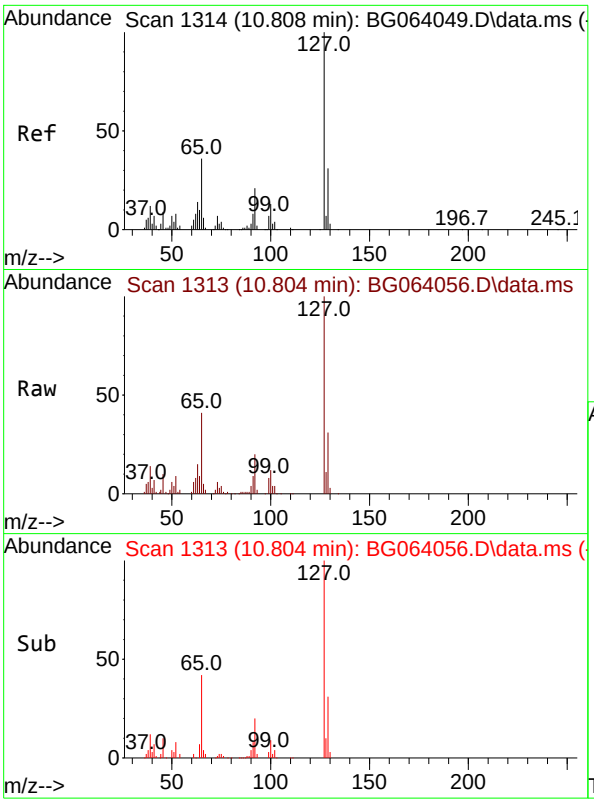


#32
Benzoic acid
Concen: 34.646 ng m
RT: 9.958 min Scan# 1169
Delta R.T. -0.016 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:122 Resp: 42548

Ion	Ratio	Lower	Upper
122	100		
105	114.7	115.0	155.0#
77	86.0	80.9	120.9

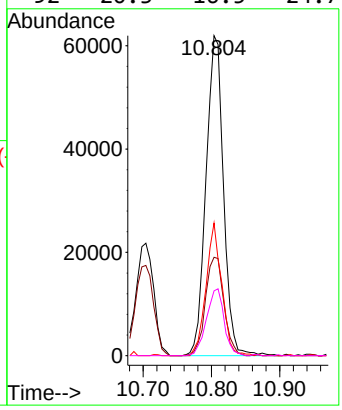




#33
4-Chloroaniline
Concen: 41.716 ng
RT: 10.804 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:127 Resp: 11069

Ion	Ratio	Lower	Upper
127	100		
129	30.8	25.0	37.4
65	41.5	28.5	42.7
92	20.3	16.5	24.7



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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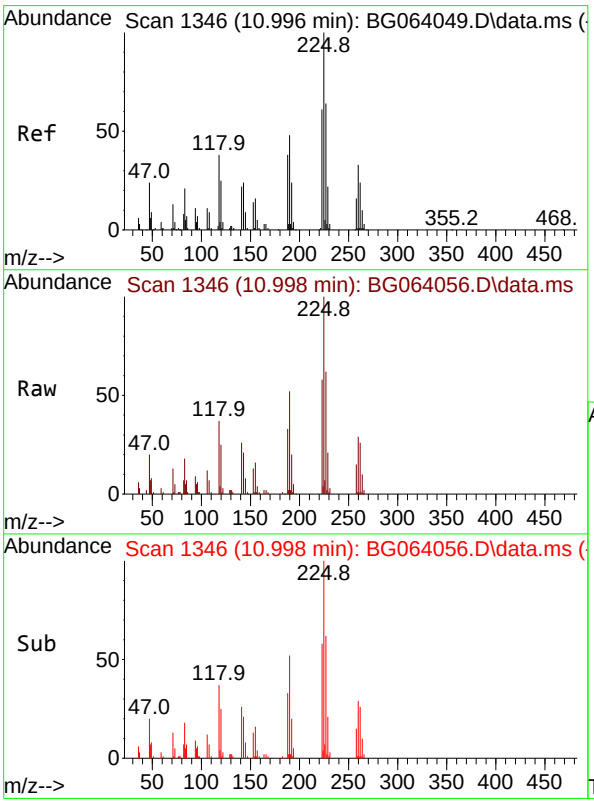
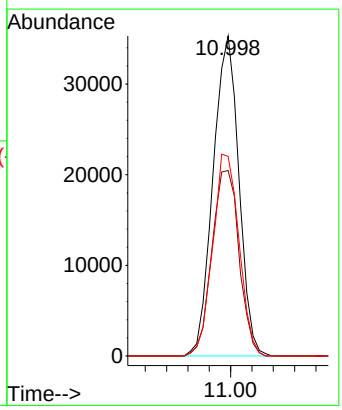
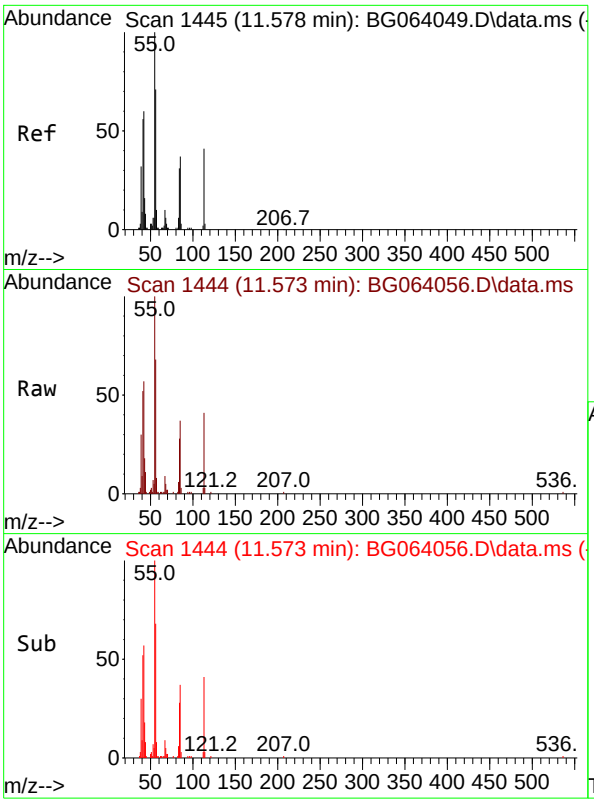


#34
Hexachlorobutadiene
Concen: 40.565 ng
RT: 10.998 min Scan# 1346
Delta R.T. 0.001 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:225 Resp: 59251

Ion	Ratio	Lower	Upper
225	100		
223	58.0	48.5	72.7
227	62.4	51.0	76.6

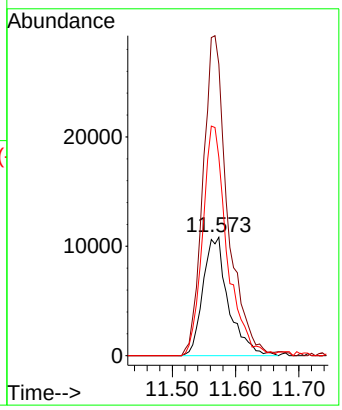




#35
Caprolactam
Concen: 42.883 ng
RT: 11.573 min Scan# 14
Delta R.T. -0.005 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:113 Resp: 3033

Ion	Ratio	Lower	Upper
113	100		
55	246.3	225.2	265.2
56	167.6	153.4	193.4



Instrument :
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ClientSampleId :
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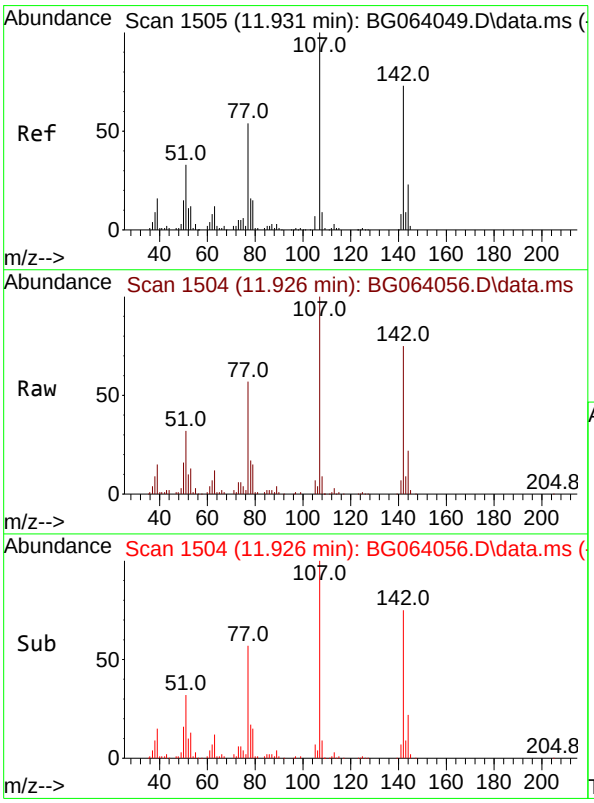
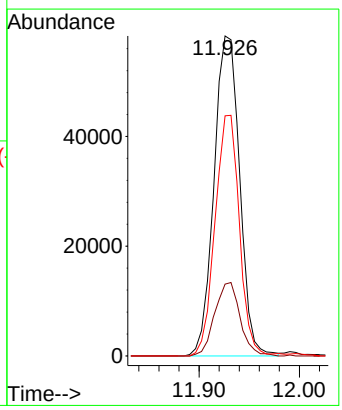
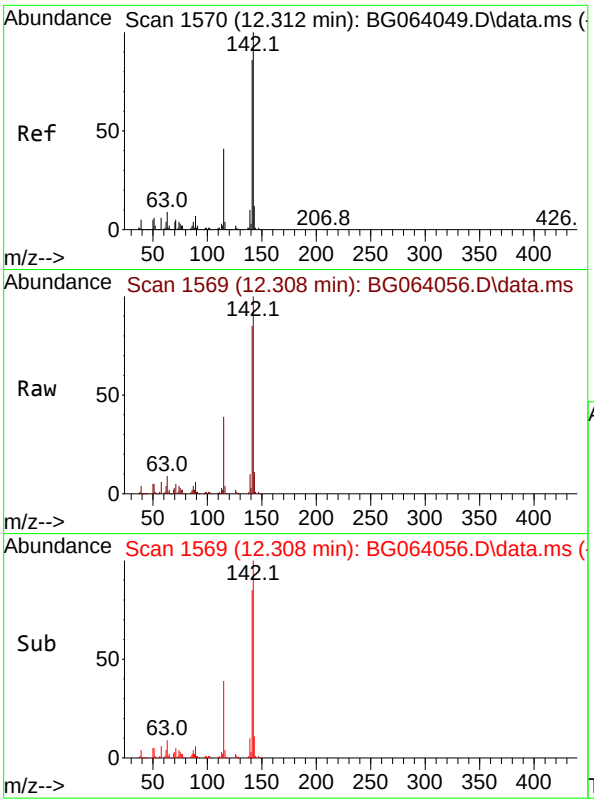


#36
4-Chloro-3-methylphenol
Concen: 42.782 ng
RT: 11.926 min Scan# 1504
Delta R.T. -0.005 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:107 Resp: 103519

Ion	Ratio	Lower	Upper
107	100		
144	22.5	18.6	28.0
142	75.1	58.0	87.0

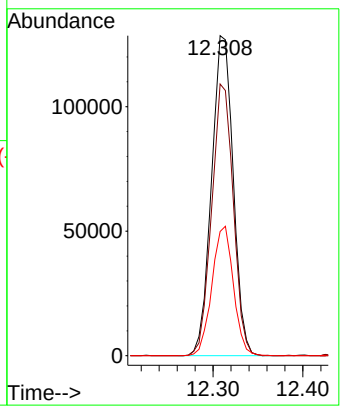




#37
2-Methylnaphthalene
Concen: 41.969 ng
RT: 12.308 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:142 Resp: 21510

Ion	Ratio	Lower	Upper
142	100		
141	84.9	68.6	103.0
115	38.8	32.8	49.2



Instrument :
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ClientSampleId :
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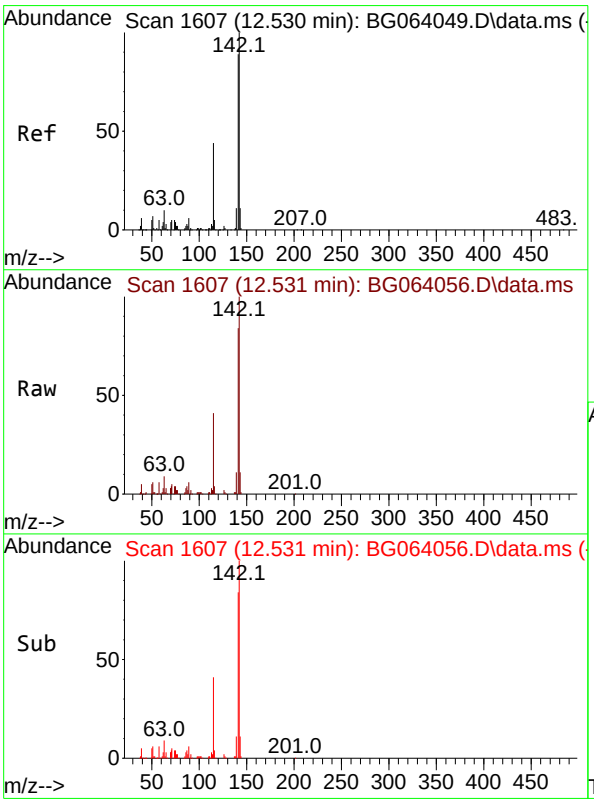
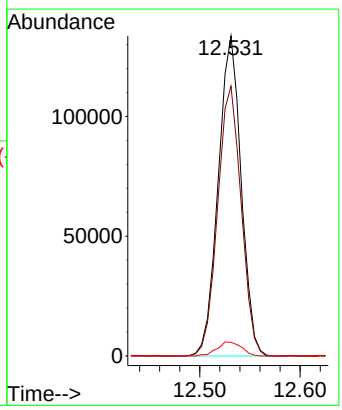
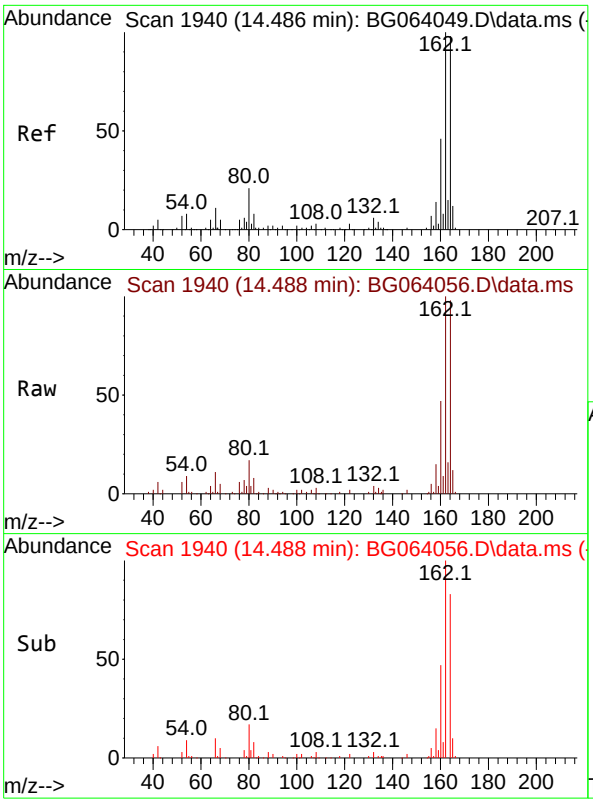


#38
1-Methylnaphthalene
Concen: 42.194 ng
RT: 12.531 min Scan# 1607
Delta R.T. 0.001 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:142 Resp: 211868

Ion	Ratio	Lower	Upper
142	100		
141	84.3	71.2	106.8
116	4.2	3.6	5.4

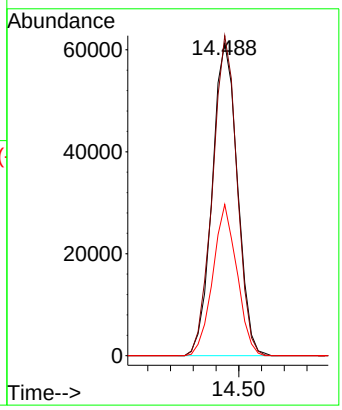




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.488 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:164 Resp: 9428

Ion	Ratio	Lower	Upper
164	100		
162	102.4	81.4	122.0
160	48.4	37.0	55.6



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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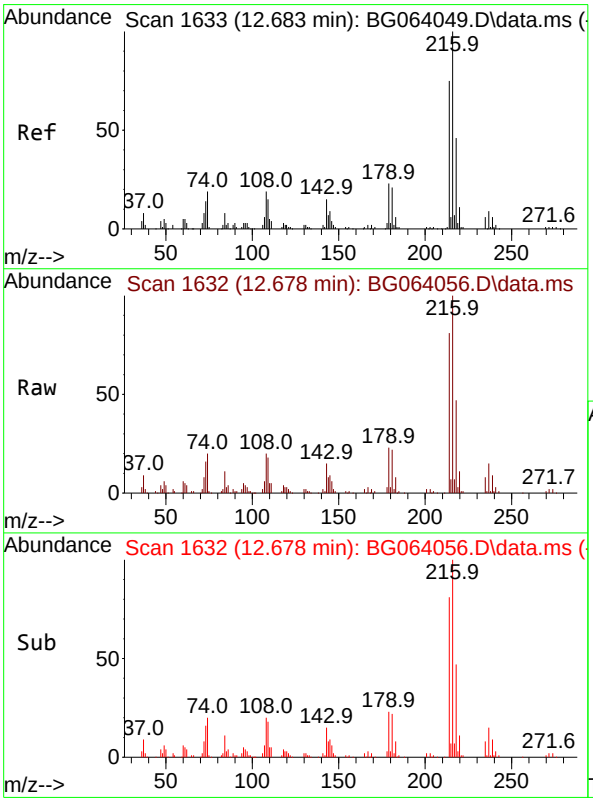
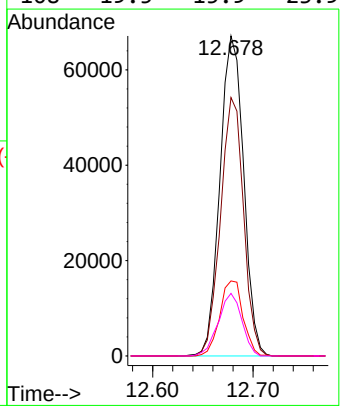
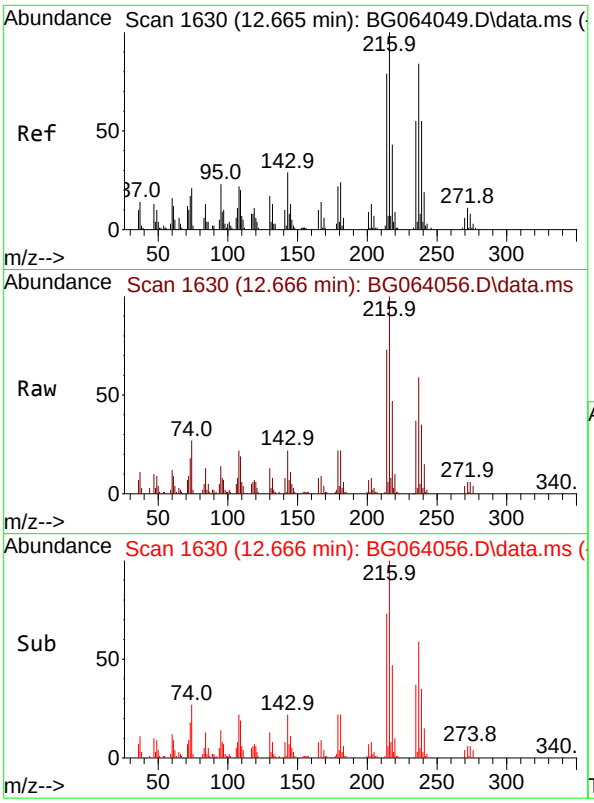


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.833 ng
RT: 12.678 min Scan# 1632
Delta R.T. -0.005 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:216 Resp: 109906

Ion	Ratio	Lower	Upper
216	100		
214	78.5	61.7	92.5
179	23.1	17.9	26.9
108	19.5	15.9	23.9

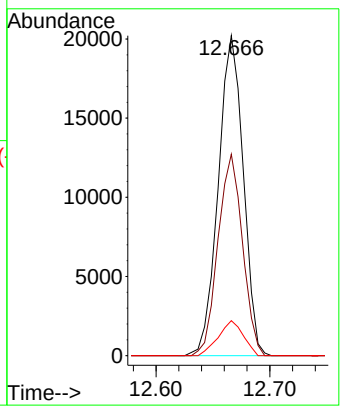




#41
Hexachlorocyclopentadiene
Concen: 40.745 ng
RT: 12.666 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:237 Resp: 3086

Ion	Ratio	Lower	Upper
237	100		
235	62.9	46.0	86.0
272	10.9	0.0	32.8



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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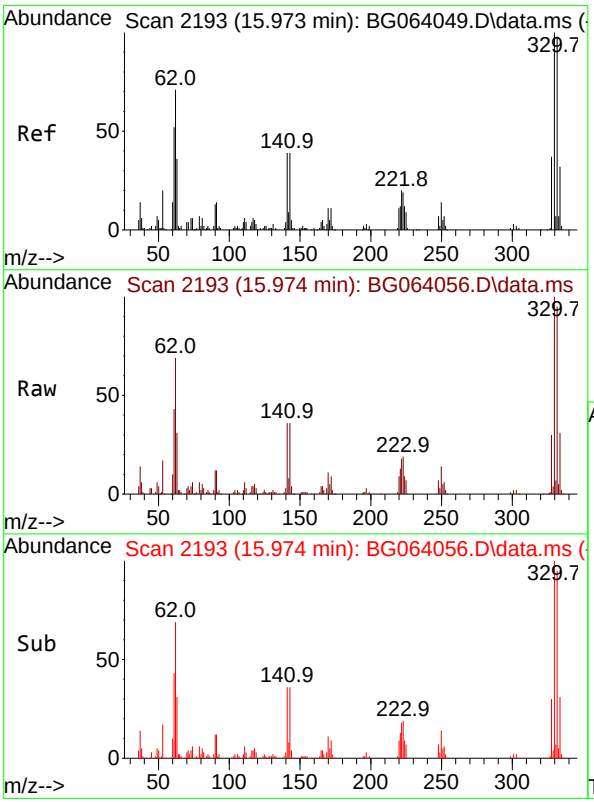
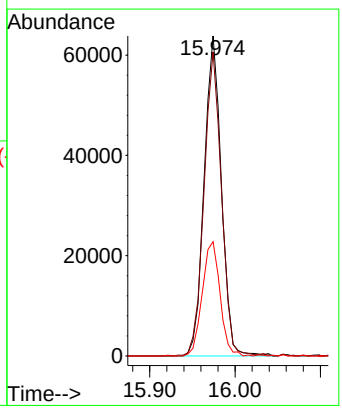
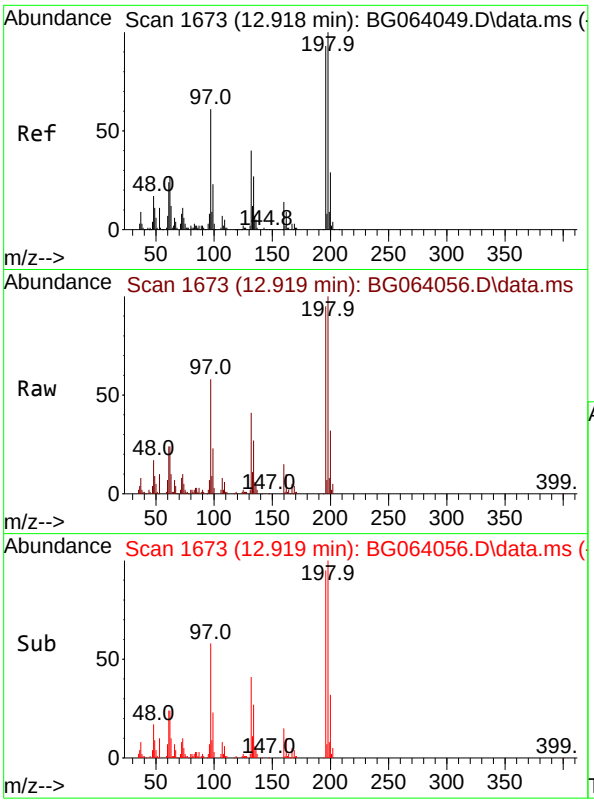


#42
2,4,6-Tribromophenol
Concen: 85.509 ng
RT: 15.974 min Scan# 2193
Delta R.T. 0.001 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:330 Resp: 89612

Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.7	115.1
141	36.8	29.7	44.5





#43
2,4,6-Trichlorophenol
Concen: 42.493 ng
RT: 12.919 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:196 Resp: 6741

Ion	Ratio	Lower	Upper
196	100		
198	104.9	85.6	128.4
200	33.4	24.6	37.0

Instrument :
BNA_G
ClientSampleId :
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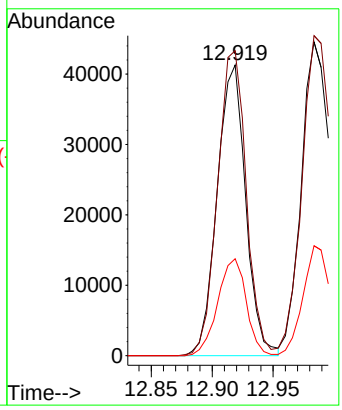
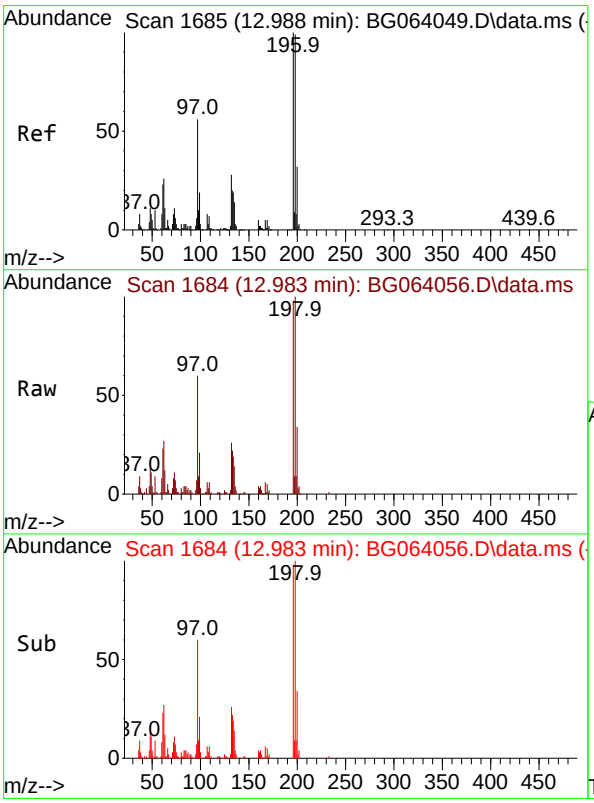
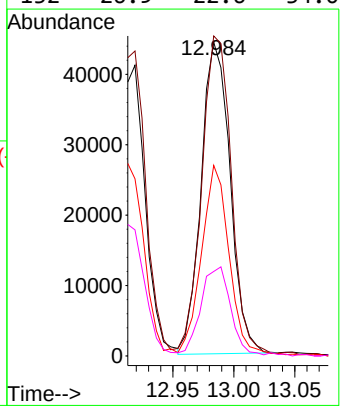


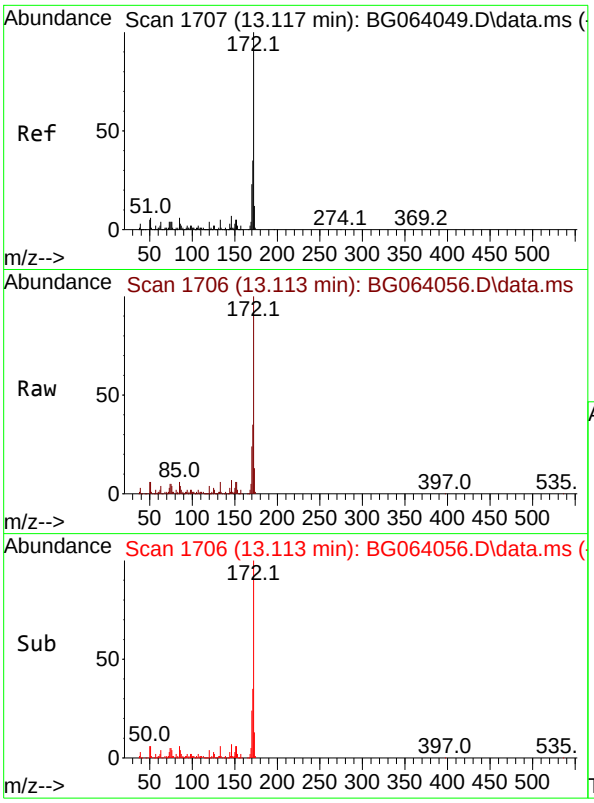


#44
2,4,5-Trichlorophenol
Concen: 41.590 ng
RT: 12.983 min Scan# 1684
Delta R.T. -0.005 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:196 Resp: 73310

Ion	Ratio	Lower	Upper
196	100		
198	102.0	79.5	119.3
97	60.7	45.2	67.8
132	26.9	22.6	34.0

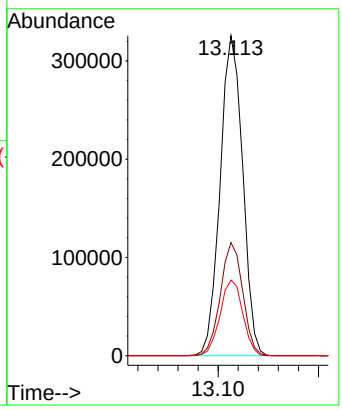




#45
2-Fluorobiphenyl
Concen: 81.599 ng
RT: 13.113 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:172 Resp: 50683

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.0	42.0
170	23.6	18.7	28.1



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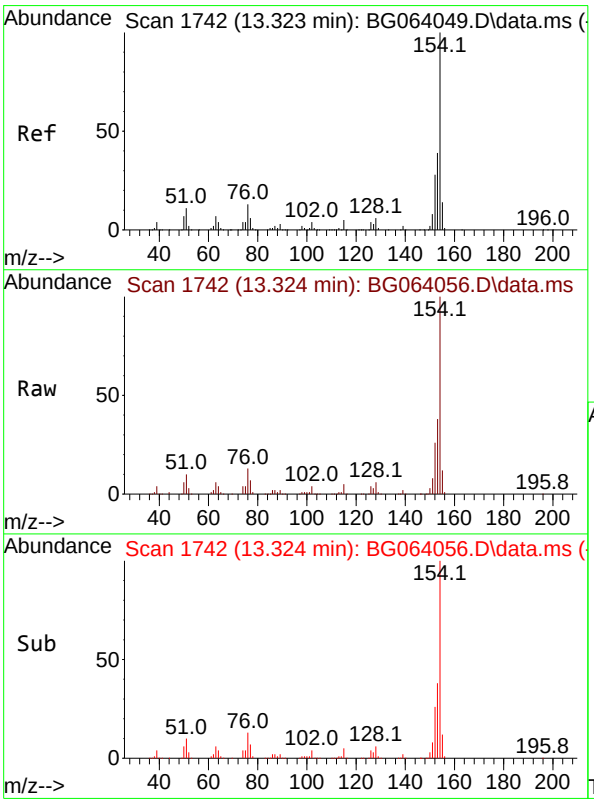
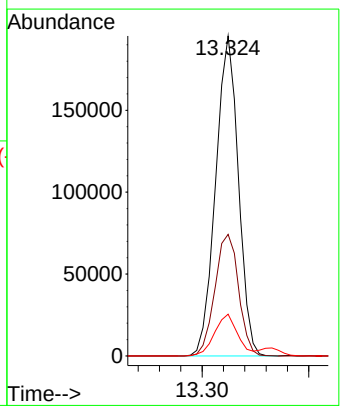
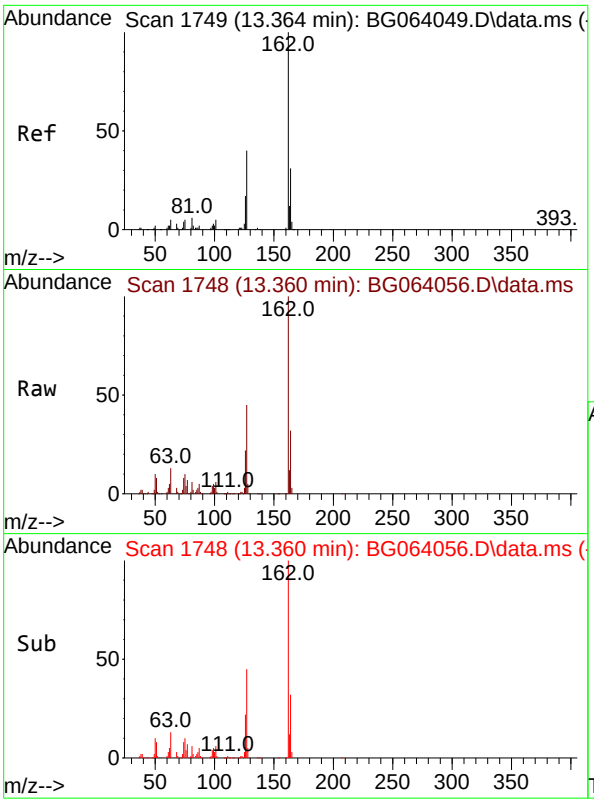


#46
1,1'-Biphenyl
Concen: 40.474 ng
RT: 13.324 min Scan# 1742
Delta R.T. 0.001 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:154 Resp: 288292

Ion	Ratio	Lower	Upper
154	100		
153	38.0	19.5	59.5
76	13.1	0.0	33.5

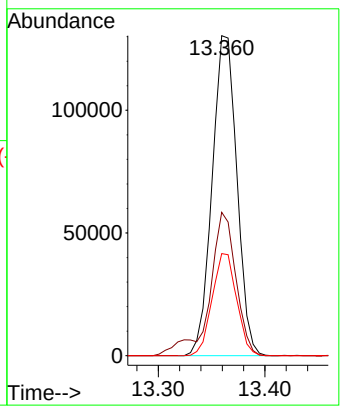




#47
2-Chloronaphthalene
Concen: 40.443 ng
RT: 13.360 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:162 Resp: 21009

Ion	Ratio	Lower	Upper
162	100		
127	44.8	35.0	52.4
164	31.9	25.0	37.6



Instrument :
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ClientSampleId :
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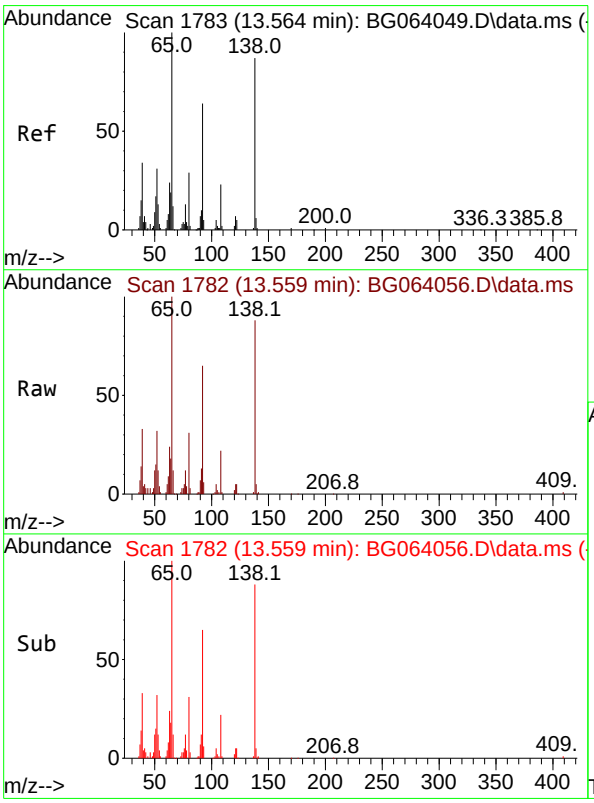
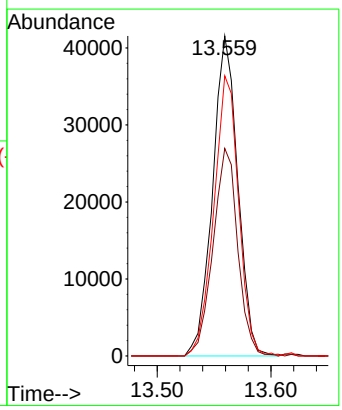
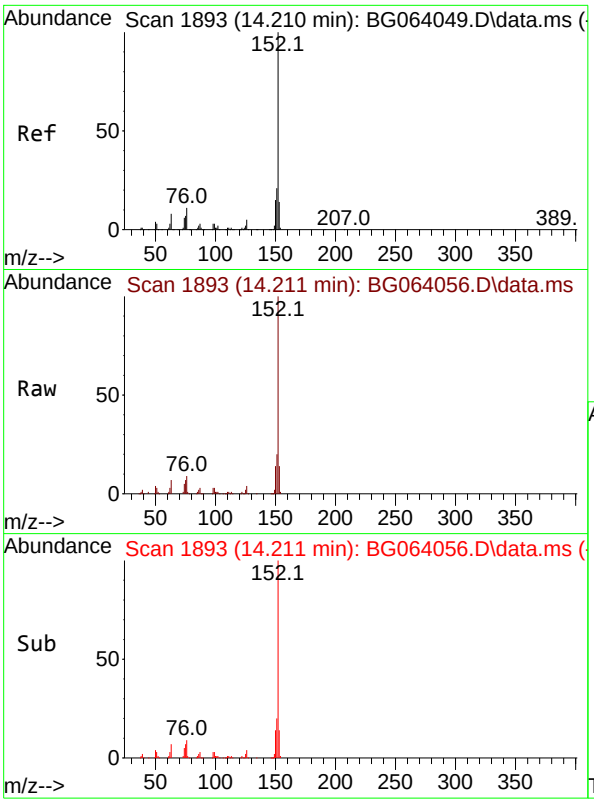


#48
2-Nitroaniline
Concen: 38.772 ng
RT: 13.559 min Scan# 1782
Delta R.T. -0.005 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion: 65 Resp: 63950

Ion	Ratio	Lower	Upper
65	100		
92	64.9	51.2	76.8
138	87.5	69.4	104.2

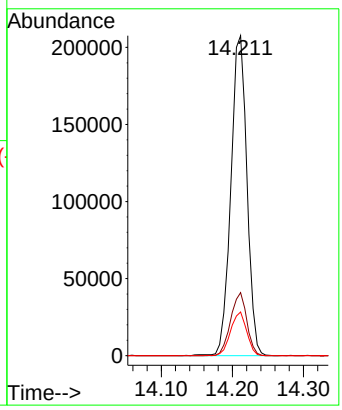




#49
Acenaphthylene
Concen: 39.684 ng
RT: 14.211 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:152 Resp: 32608

Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.4	24.6
153	13.6	10.9	16.3



Instrument :
BNA_G
ClientSampleId :
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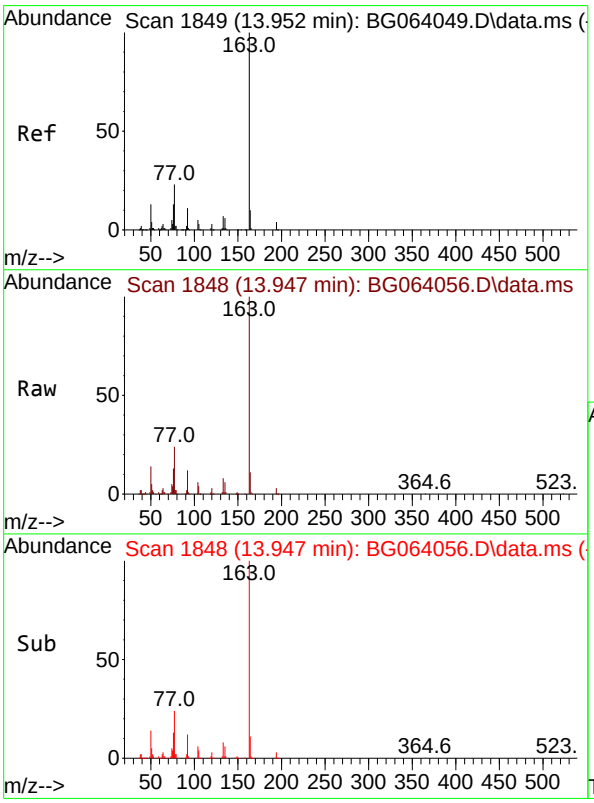
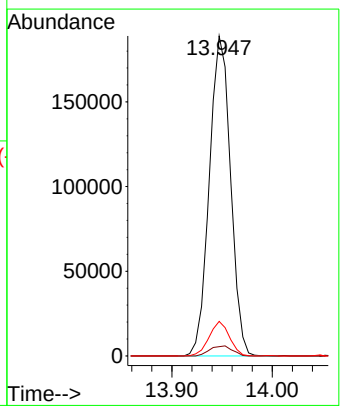
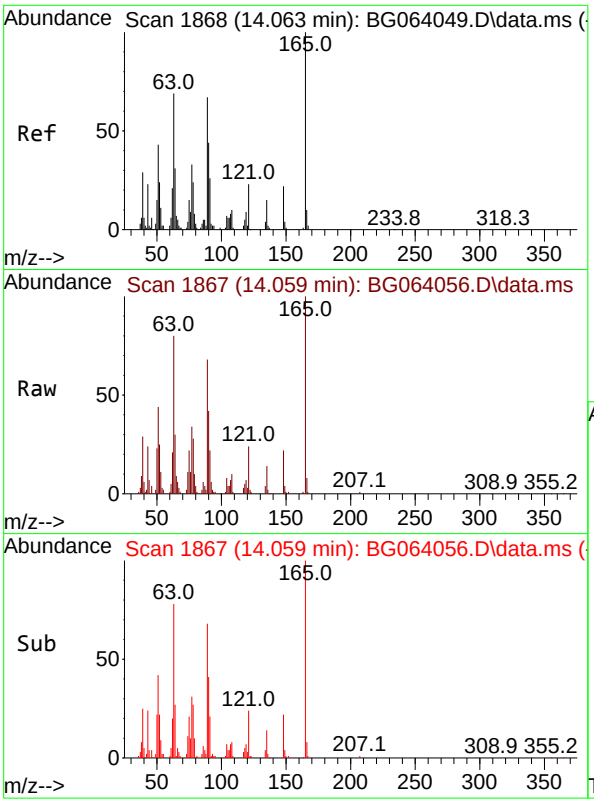


#50
Dimethylphthalate
Concen: 39.816 ng
RT: 13.947 min Scan# 1848
Delta R.T. -0.005 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:163 Resp: 277103

Ion	Ratio	Lower	Upper
163	100		
194	2.9	2.8	4.2
164	10.8	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 38.904 ng
RT: 14.059 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:165 Resp: 5396

Ion	Ratio	Lower	Upper
165	100		
63	79.6	56.7	85.1
89	68.3	53.7	80.5

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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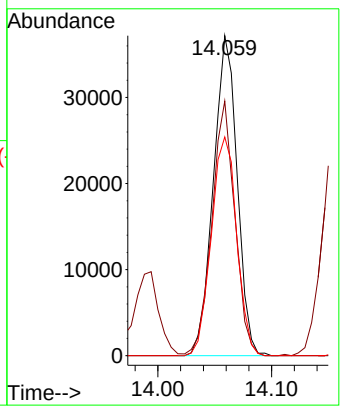
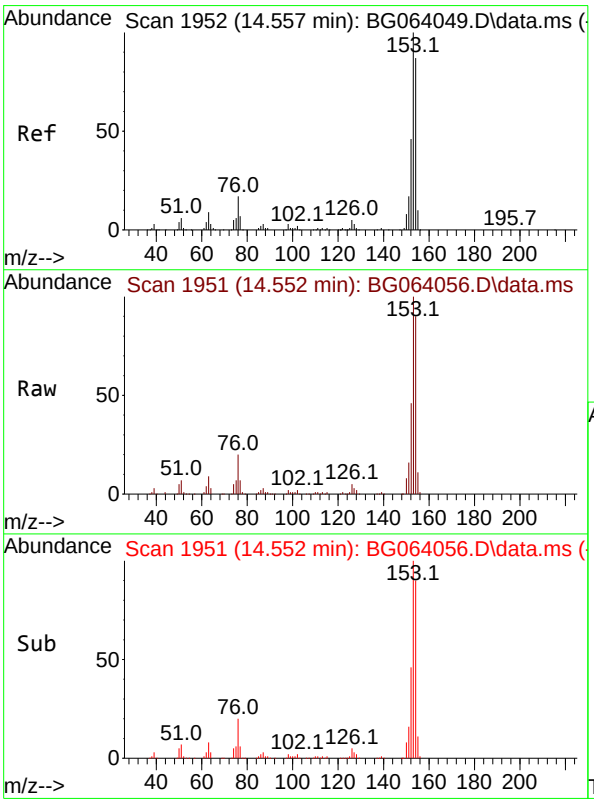
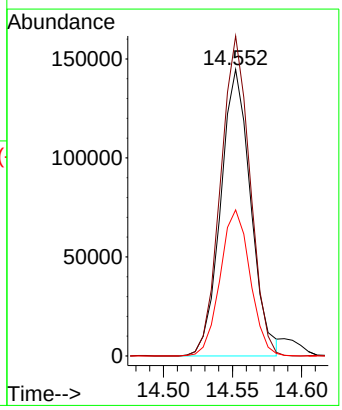


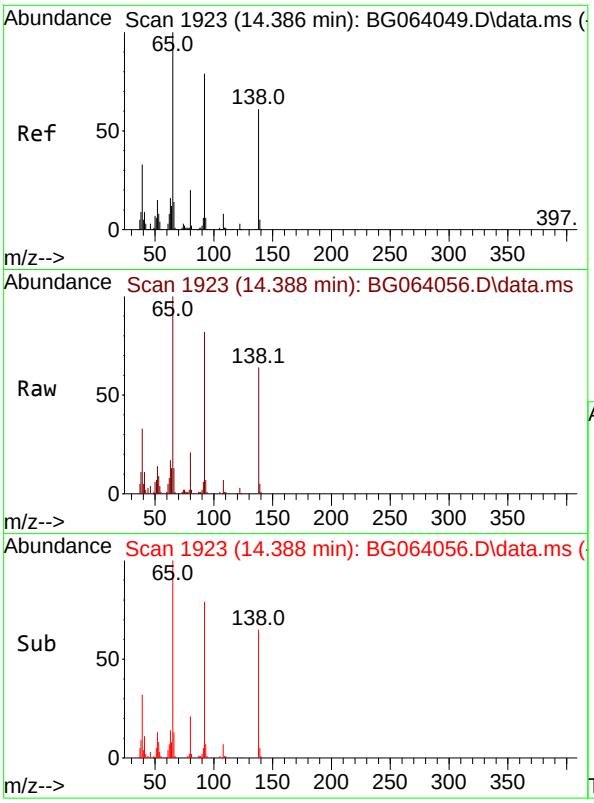


#52
Acenaphthene
Concen: 39.623 ng m
RT: 14.552 min Scan# 1951
Delta R.T. -0.005 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:154 Resp: 218501

Ion	Ratio	Lower	Upper
154	100		
153	111.7	91.6	137.4
152	51.0	42.5	63.7





#53
3-Nitroaniline
Concen: 44.163 ng
RT: 14.388 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:138 Resp: 5940

Ion	Ratio	Lower	Upper
138	100		
108	11.3	10.1	15.1
92	127.1	104.1	156.1

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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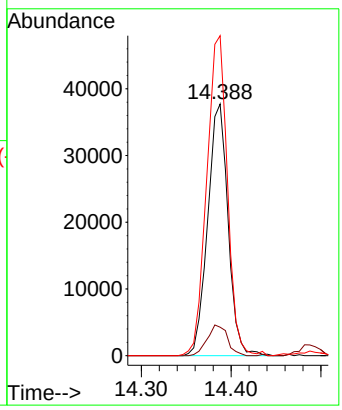
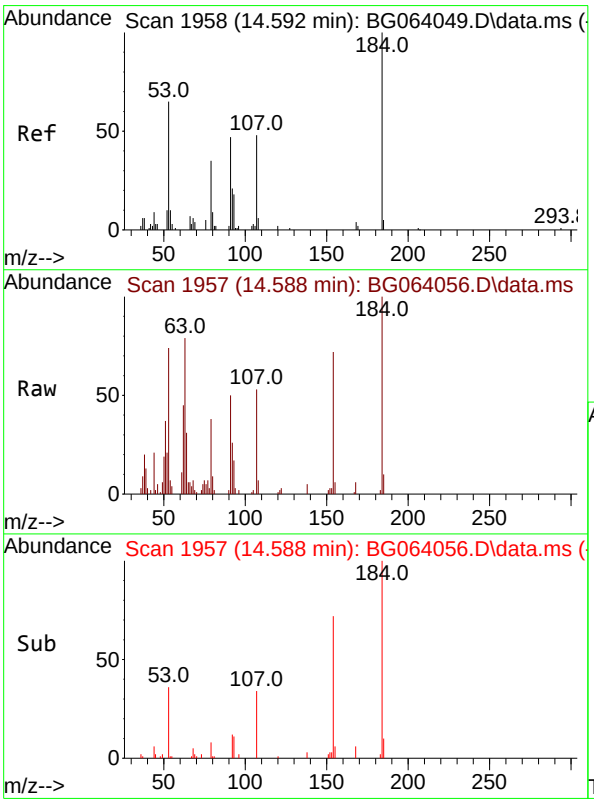
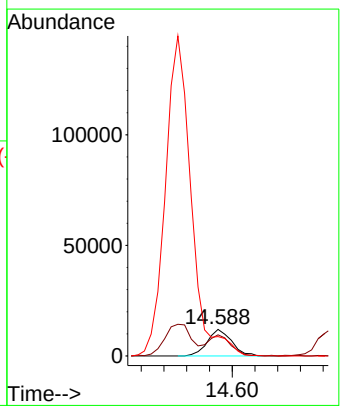


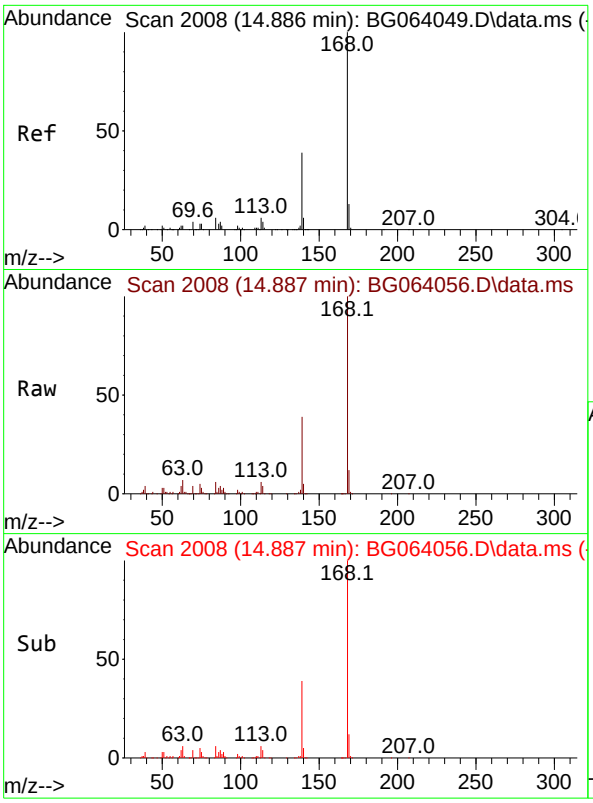


#54
2,4-Dinitrophenol
Concen: 35.162 ng
RT: 14.588 min Scan# 1957
Delta R.T. -0.005 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:184 Resp: 17814

Ion	Ratio	Lower	Upper
184	100		
63	79.4	57.5	86.3
154	72.5	52.3	78.5





#55
Dibenzofuran
Concen: 40.009 ng
RT: 14.887 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:168 Resp: 35741

Ion	Ratio	Lower	Upper
168	100		
139	39.4	31.1	46.7
169	12.5	10.5	15.7

Instrument :
BNA_G
ClientSampleId :
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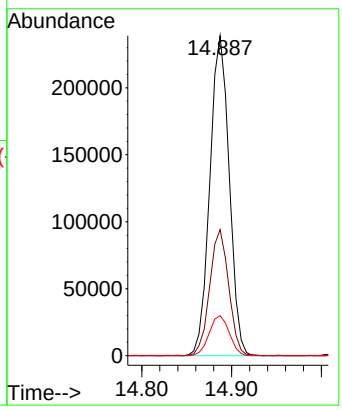
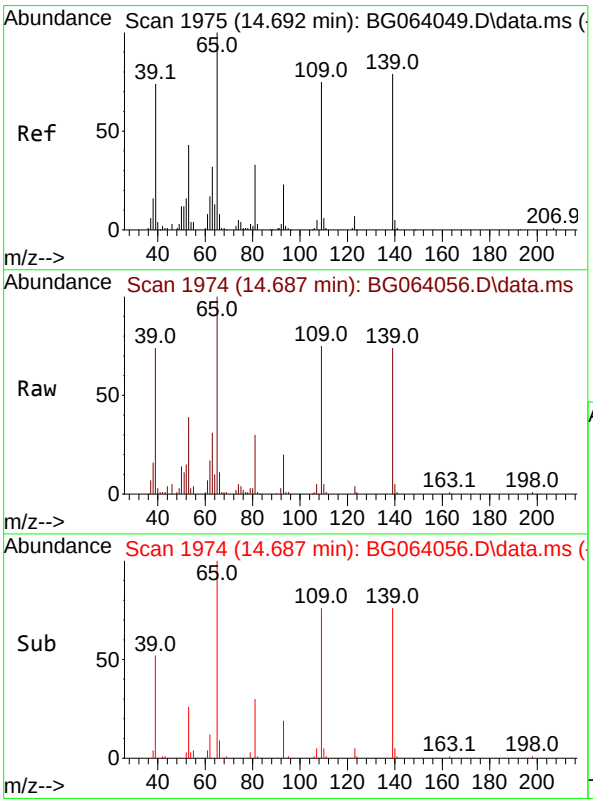
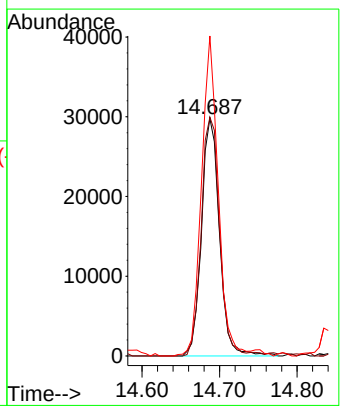


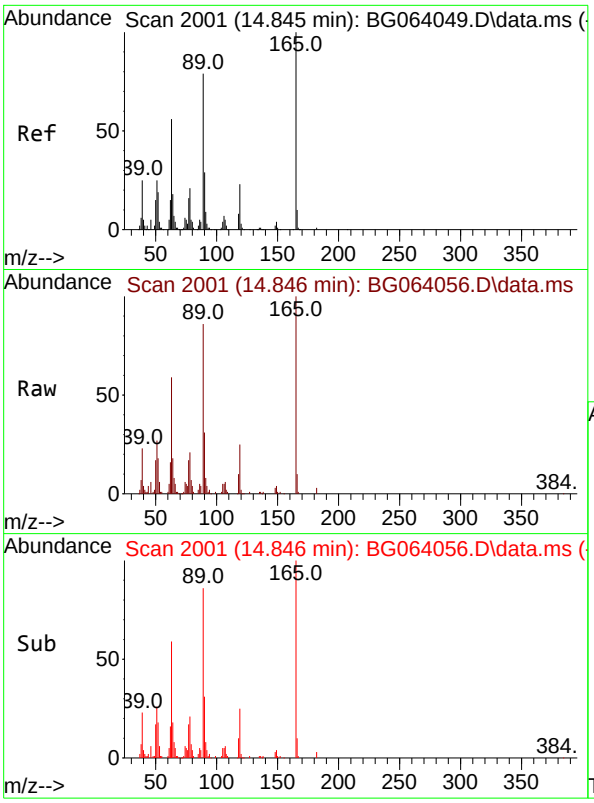


#56
4-Nitrophenol
Concen: 42.444 ng
RT: 14.687 min Scan# 1974
Delta R.T. -0.005 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:139 Resp: 47880

Ion	Ratio	Lower	Upper
139	100		
109	100.5	74.9	114.9
65	134.8	106.8	146.8





#57
2,4-Dinitrotoluene
Concen: 38.567 ng
RT: 14.846 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 7362

Ion	Ratio	Lower	Upper
165	100		
63	59.4	45.0	67.6
89	86.3	63.1	94.7
182	2.9	1.0	1.4#

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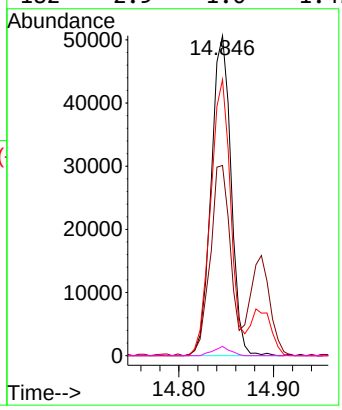
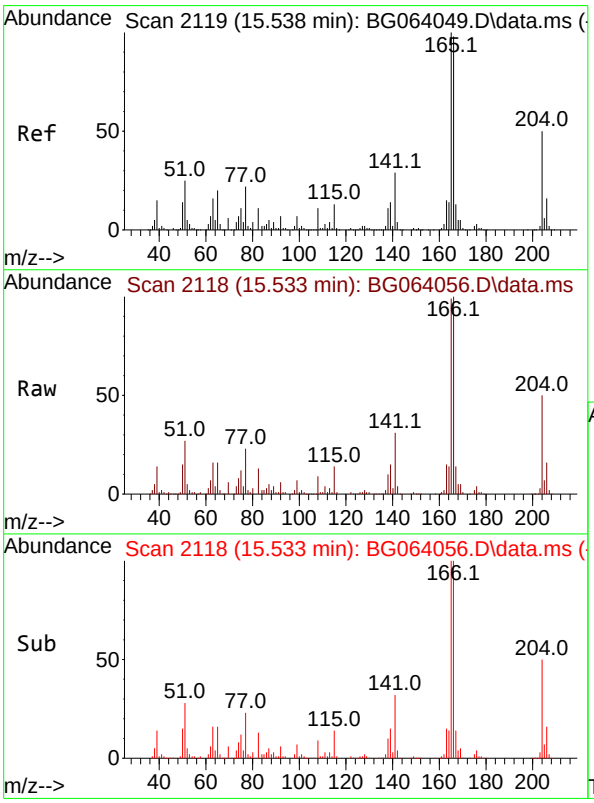
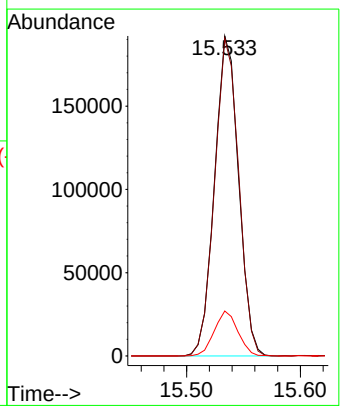


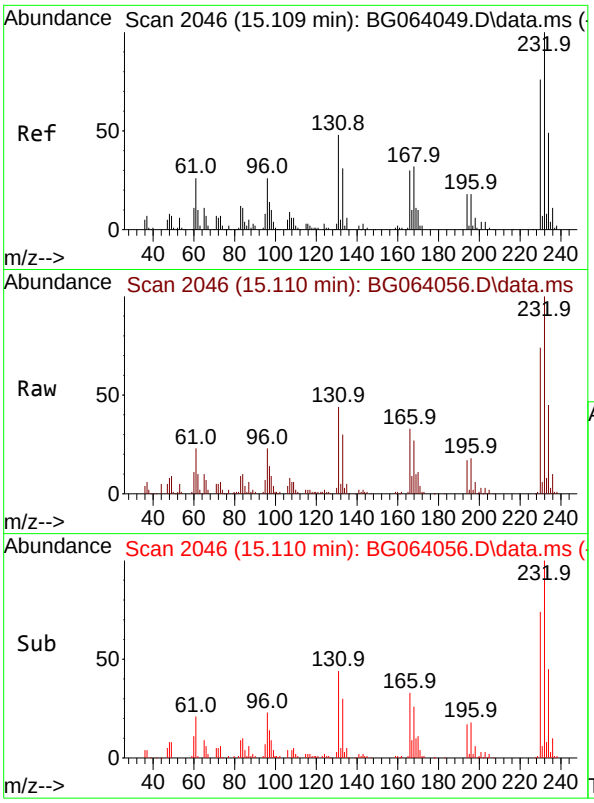


#58
Fluorene
Concen: 40.580 ng
RT: 15.533 min Scan# 2118
Delta R.T. -0.005 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:166 Resp: 282352

Ion	Ratio	Lower	Upper
166	100		
165	99.2	81.8	122.8
167	14.1	10.8	16.2

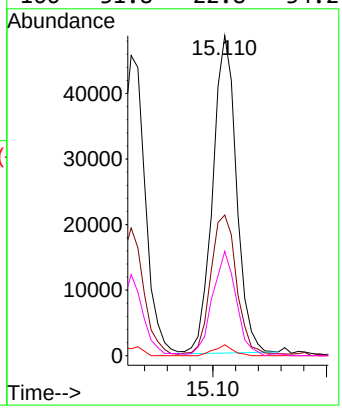




#59
2,3,4,6-Tetrachlorophenol
Concen: 40.905 ng
RT: 15.110 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:232 Resp: 7029

Ion	Ratio	Lower	Upper
232	100		
131	47.9	36.3	54.5
130	2.7	1.9	2.9
166	31.8	22.8	34.2



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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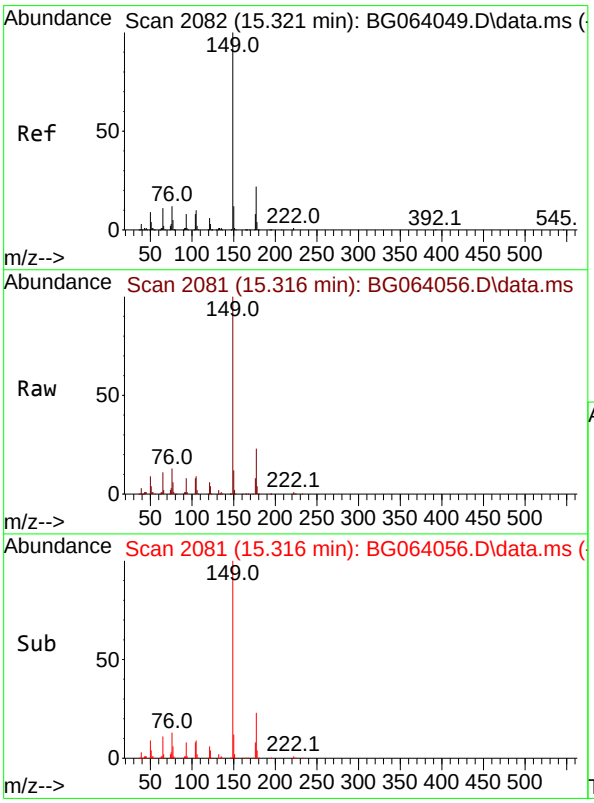
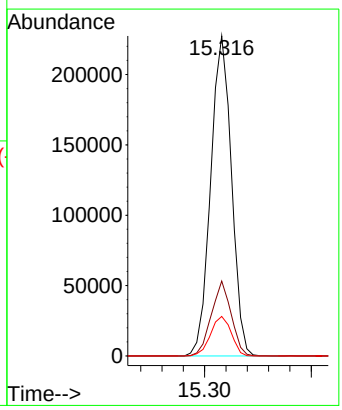
Supervised By :Jagrut Upadhyay 03/10/2025

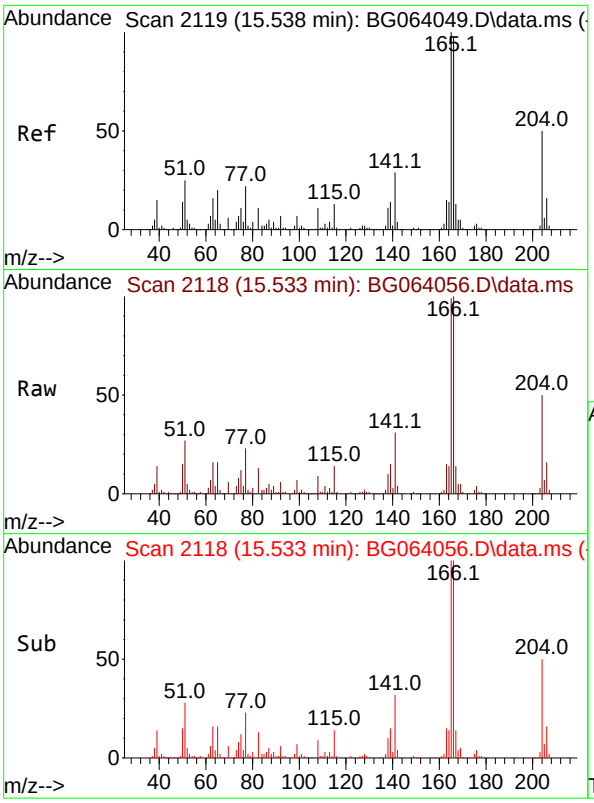


#60
Diethylphthalate
Concen: 40.770 ng
RT: 15.316 min Scan# 2081
Delta R.T. -0.005 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:149 Resp: 308024

Ion	Ratio	Lower	Upper
149	100		
177	23.4	17.4	26.2
150	12.3	9.4	14.2

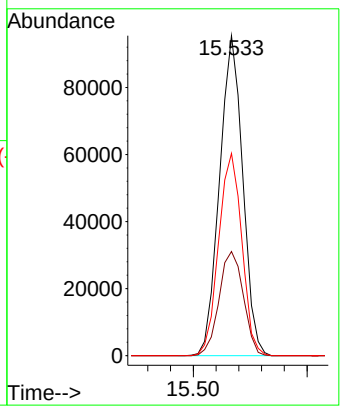




#61
4-Chlorophenyl-phenylether
Concen: 39.104 ng
RT: 15.533 min Scan# 2
Delta R.T. -0.005 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:204 Resp: 13520

Ion	Ratio	Lower	Upper
204	100		
206	32.6	25.5	38.3
141	63.2	45.4	68.0



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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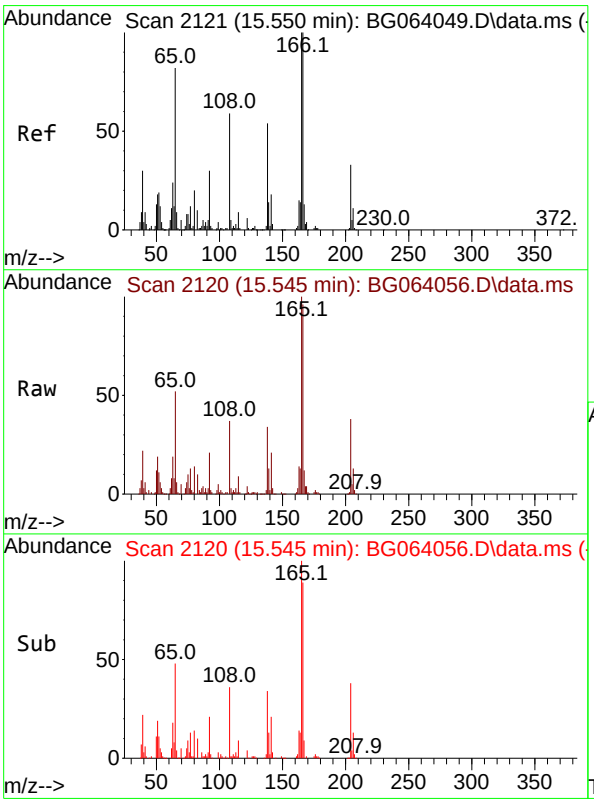
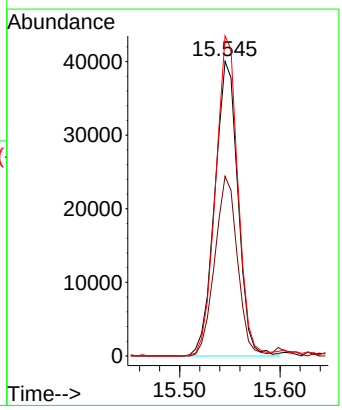
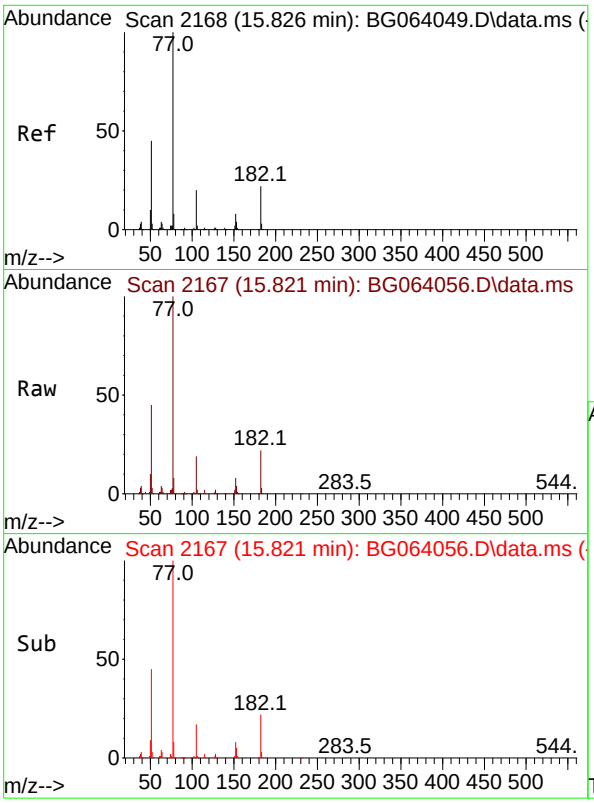


#62
4-Nitroaniline
Concen: 44.188 ng
RT: 15.545 min Scan# 2120
Delta R.T. -0.005 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:138 Resp: 64169

Ion	Ratio	Lower	Upper
138	100		
92	61.0	36.1	76.1
108	108.6	87.9	127.9

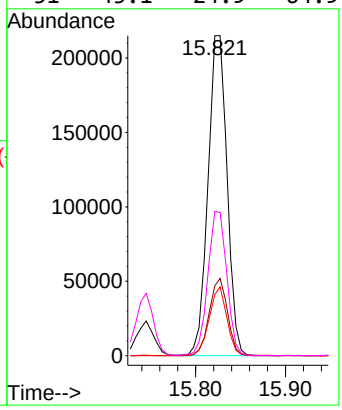




#63
Azobenzene
Concen: 39.389 ng
RT: 15.821 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion: 77 Resp: 31755

Ion	Ratio	Lower	Upper
77	100		
182	21.9	2.4	42.4
105	19.2	0.0	40.0
51	45.1	24.9	64.9



Instrument :
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ClientSampleId :
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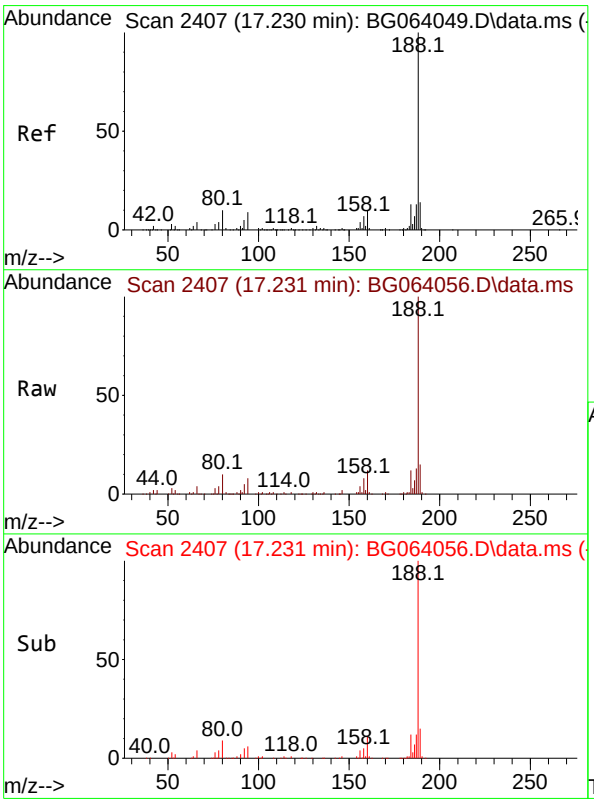
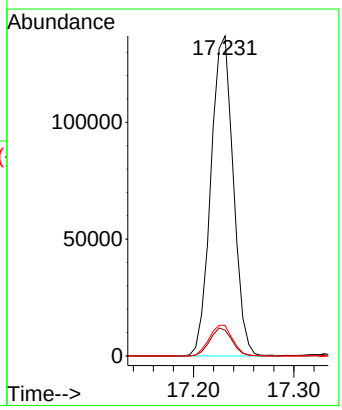
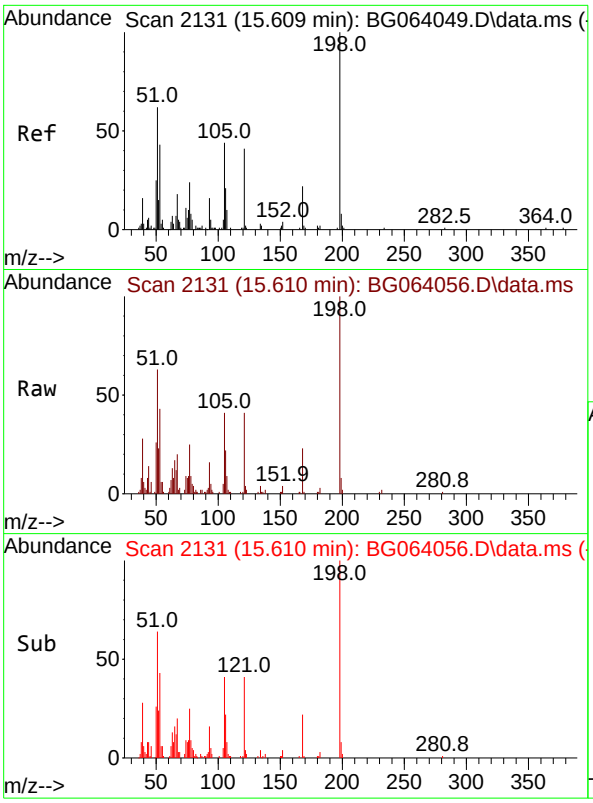


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.231 min Scan# 2407
Delta R.T. 0.001 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:188 Resp: 212553

Ion	Ratio	Lower	Upper
188	100		
94	8.1	6.9	10.3
80	9.5	8.1	12.1





#65
4,6-Dinitro-2-methylphenol
Concen: 36.621 ng
RT: 15.610 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:198 Resp: 3148

Ion	Ratio	Lower	Upper
198	100		
51	63.5	45.6	85.6
105	40.9	25.3	65.3

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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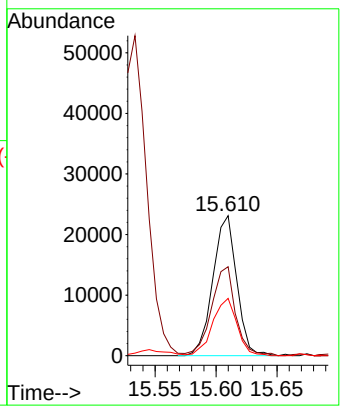
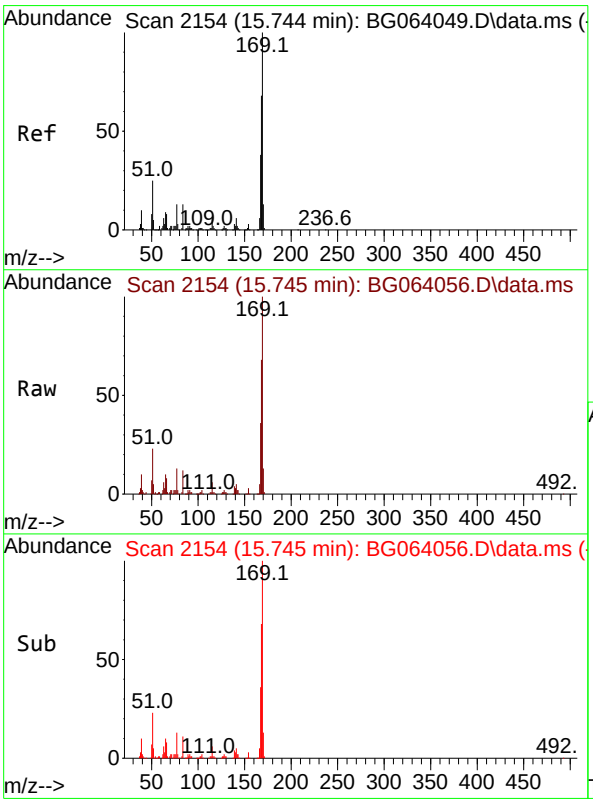
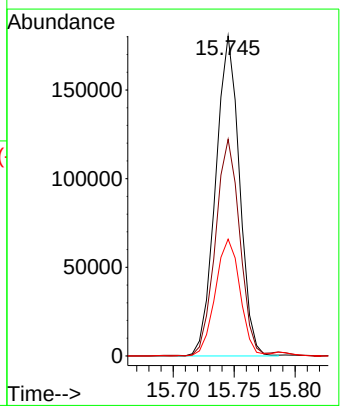


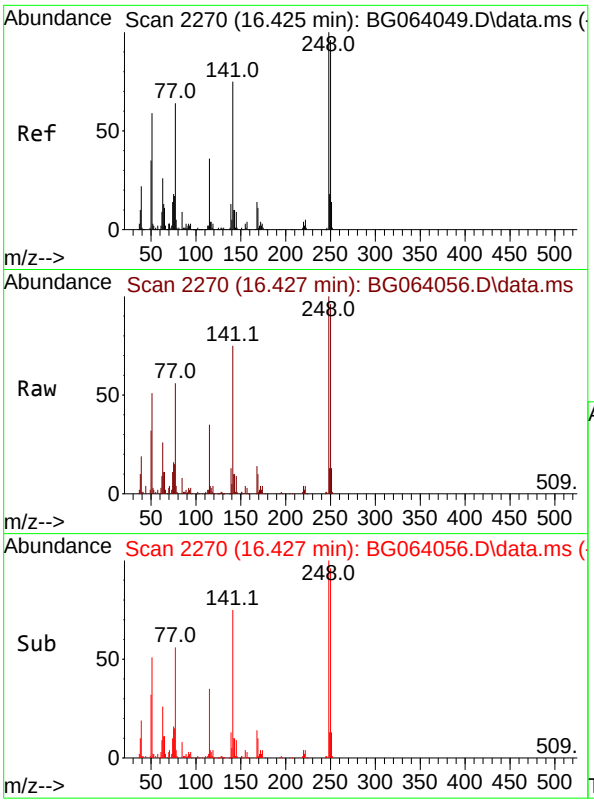


#66
n-Nitrosodiphenylamine
Concen: 40.901 ng
RT: 15.745 min Scan# 2154
Delta R.T. 0.001 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:169 Resp: 246083

Ion	Ratio	Lower	Upper
169	100		
168	67.7	54.1	81.1
167	36.5	30.3	45.5





#67
4-Bromophenyl-phenylether
Concen: 41.477 ng
RT: 16.427 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:248 Resp: 9029

Ion	Ratio	Lower	Upper
248	100		
250	96.0	77.1	115.7
141	75.5	59.8	89.8

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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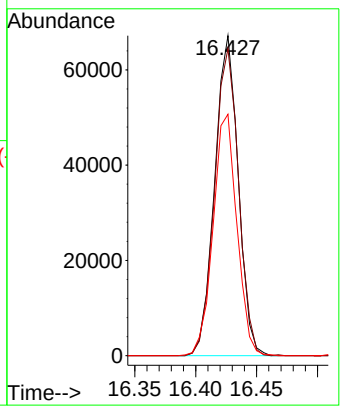
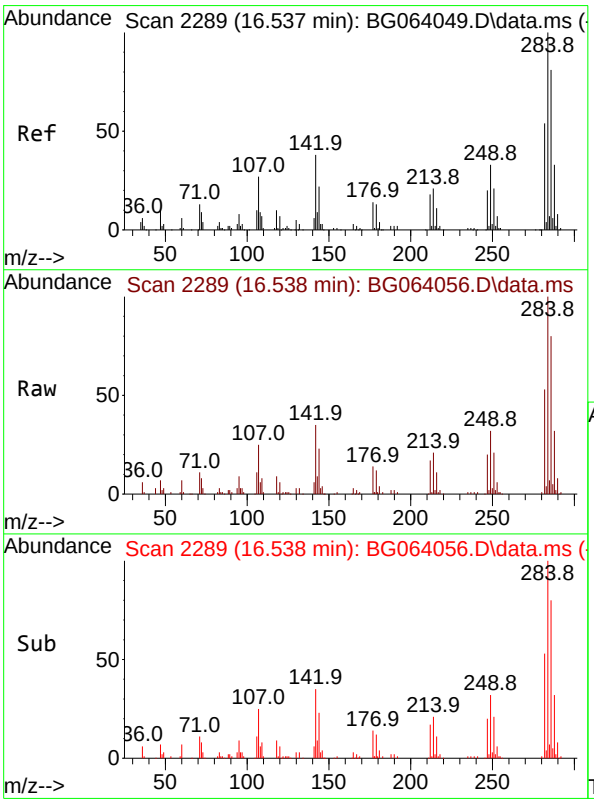
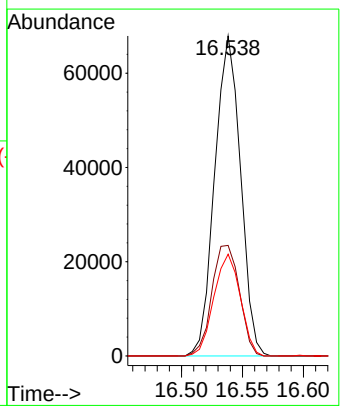


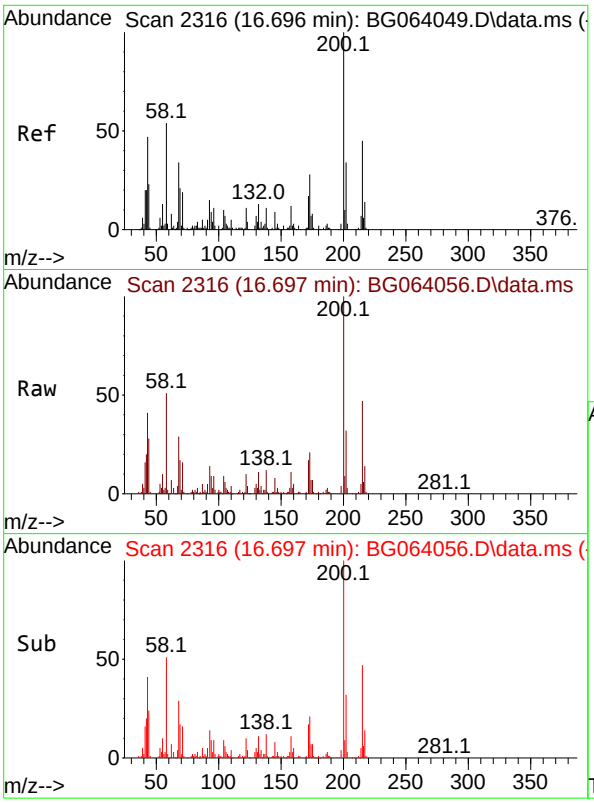


#68
Hexachlorobenzene
Concen: 41.059 ng
RT: 16.538 min Scan# 2289
Delta R.T. 0.001 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:284 Resp: 100069

Ion	Ratio	Lower	Upper
284	100		
142	34.6	30.6	45.8
249	31.8	26.6	39.8





#69
Atrazine
Concen: 38.227 ng
RT: 16.697 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:200 Resp: 6767

Ion	Ratio	Lower	Upper
200	100		
173	20.8	8.2	48.2
215	47.1	25.5	65.5

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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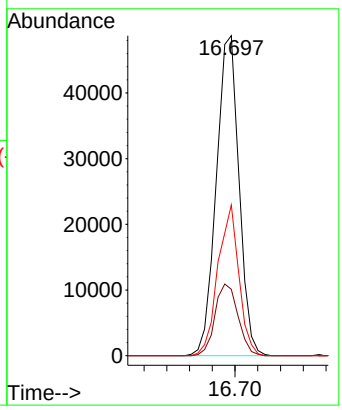
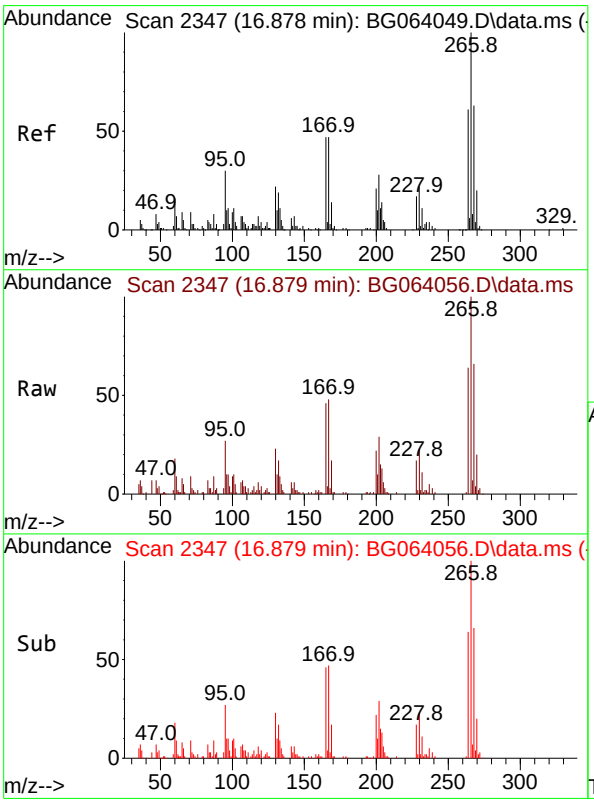
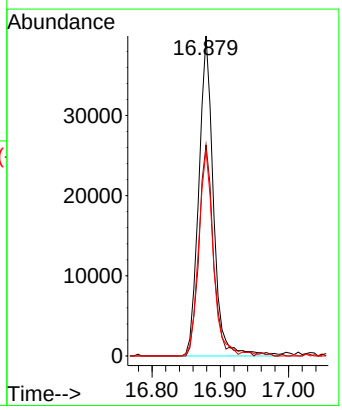


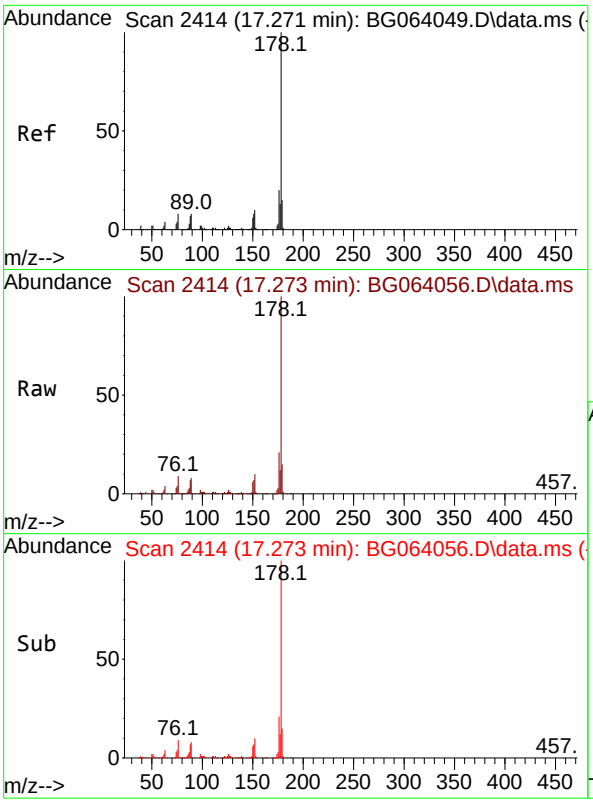


#70
Pentachlorophenol
Concen: 39.275 ng
RT: 16.879 min Scan# 2347
Delta R.T. 0.001 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:266 Resp: 59432

Ion	Ratio	Lower	Upper
266	100		
268	66.0	50.2	75.4
264	64.2	48.9	73.3





#71
Phenanthrene
Concen: 41.283 ng
RT: 17.273 min Scan# 24
Delta R.T. 0.001 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:178 Resp: 46803

Ion	Ratio	Lower	Upper
178	100		
176	20.7	15.9	23.9
179	15.1	12.2	18.2

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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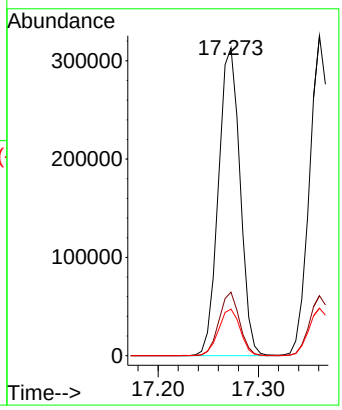
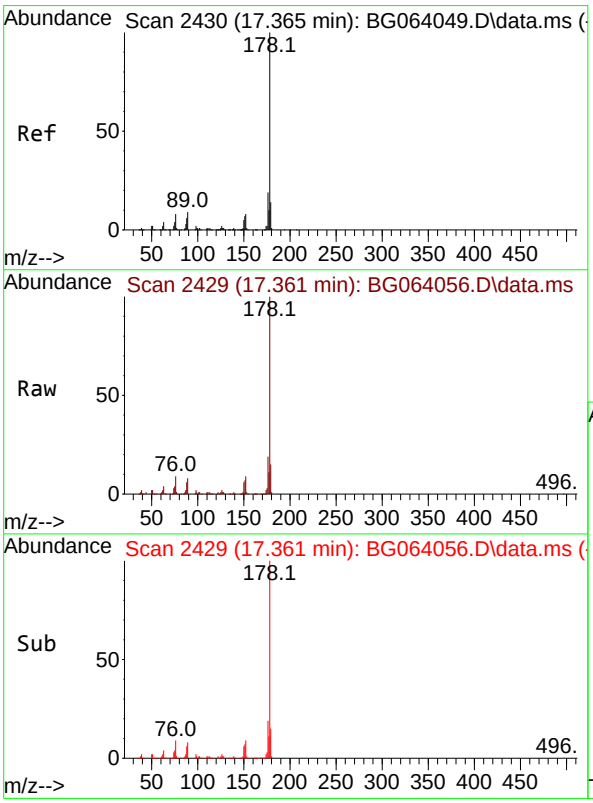
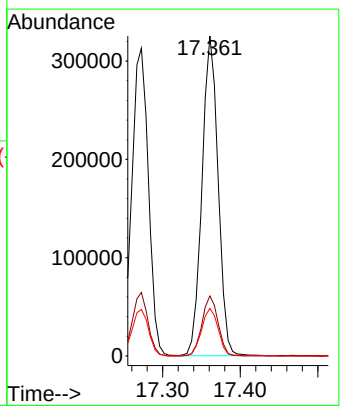


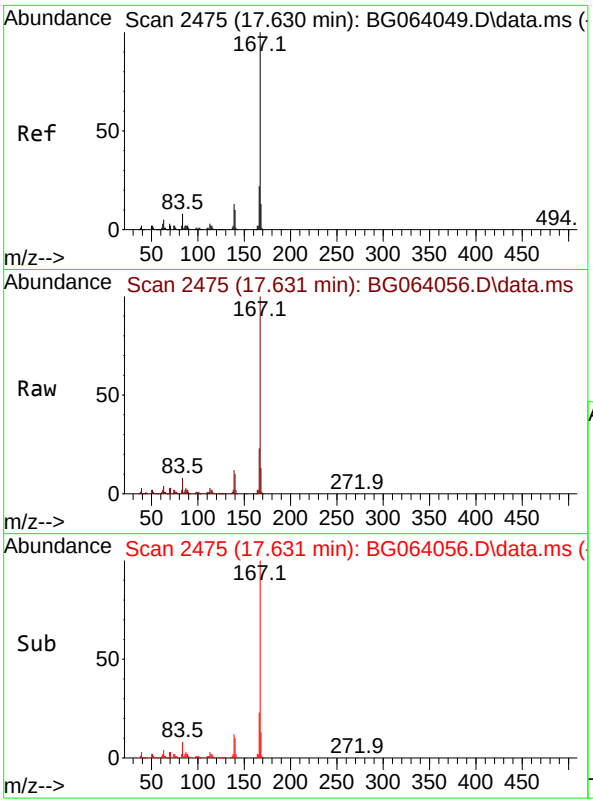


#72
Anthracene
Concen: 41.547 ng
RT: 17.361 min Scan# 2429
Delta R.T. -0.005 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:178 Resp: 468364

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.8	22.2
179	14.9	11.5	17.3





#73
Carbazole
Concen: 41.695 ng
RT: 17.631 min Scan# 24
Delta R.T. 0.001 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:167 Resp: 43885

Ion	Ratio	Lower	Upper
167	100		
166	23.3	18.0	27.0
139	11.9	10.6	15.8

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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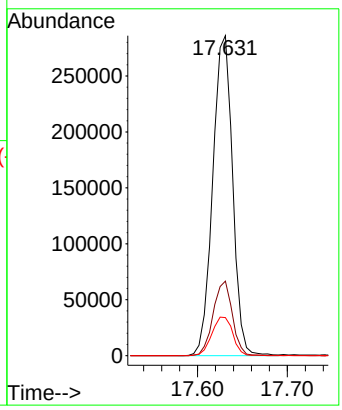
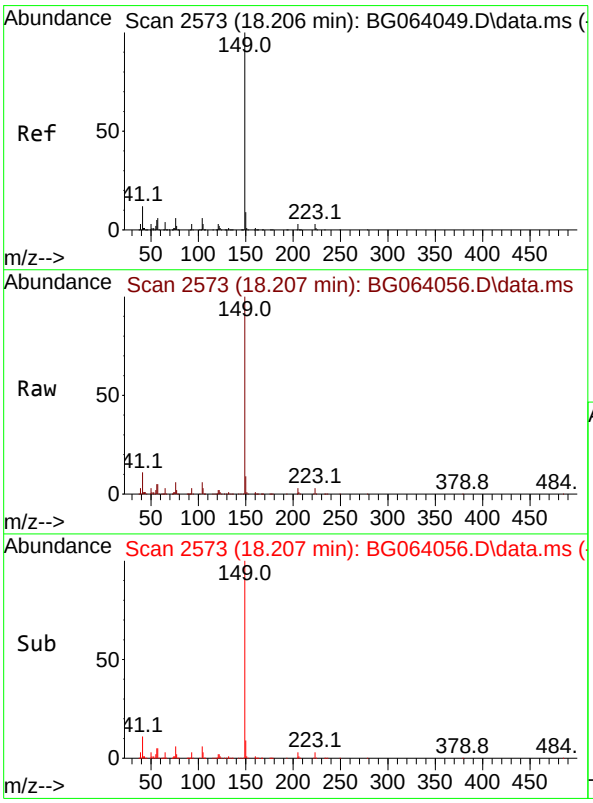
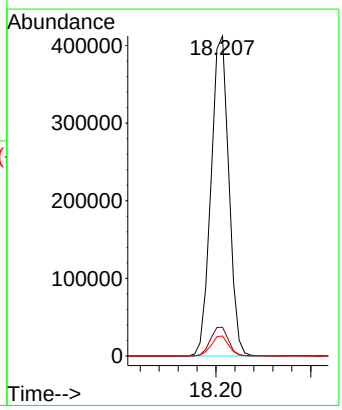


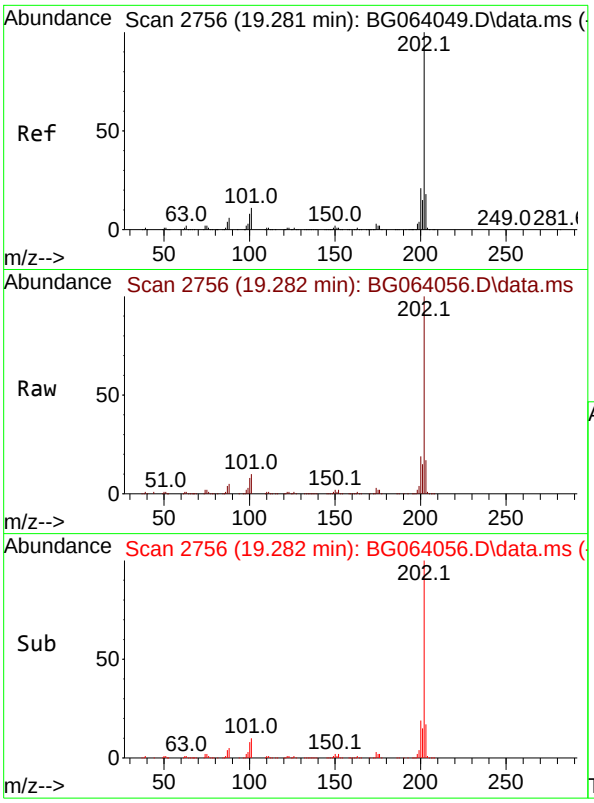


#74
Di-n-butylphthalate
Concen: 43.352 ng
RT: 18.207 min Scan# 2573
Delta R.T. 0.001 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:149 Resp: 537107

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.0
104	6.3	5.0	7.6





#75
Fluoranthene
Concen: 42.231 ng
RT: 19.282 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:202 Resp: 57720

Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	30.5
203	16.8	0.0	38.3

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

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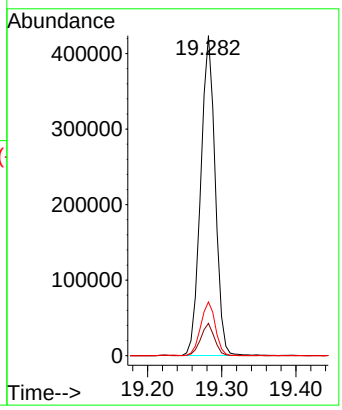
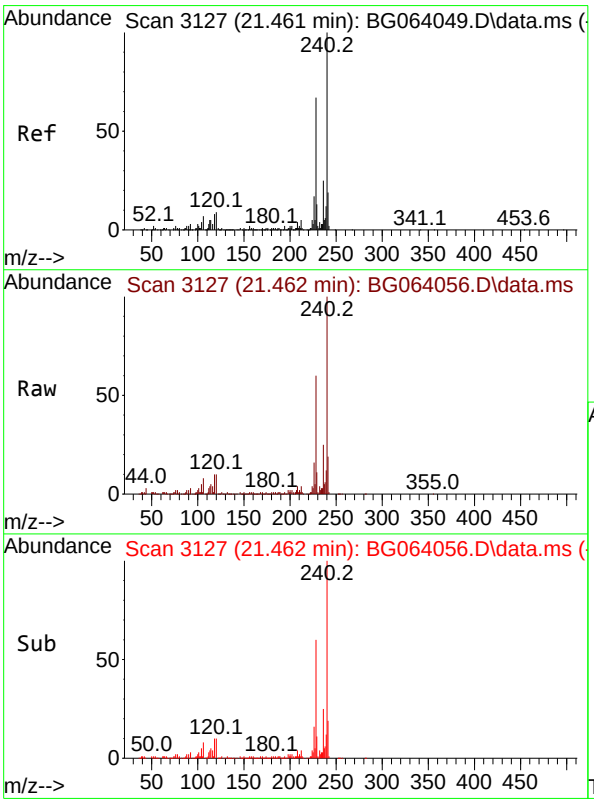
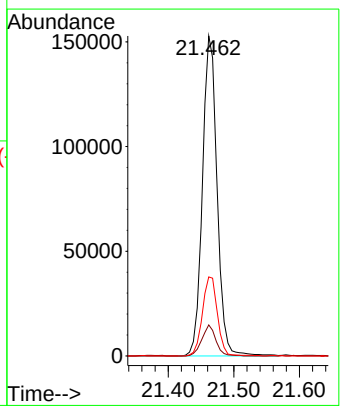


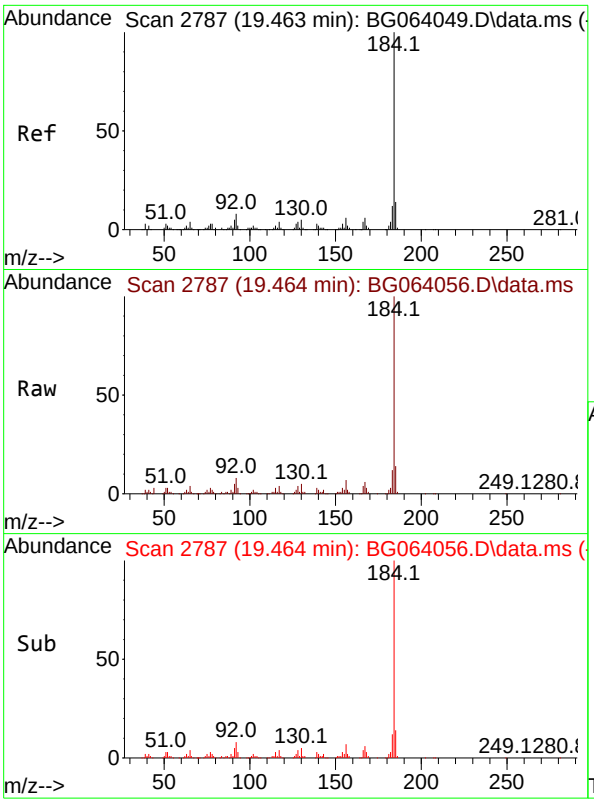


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.462 min Scan# 3127
Delta R.T. 0.001 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:240 Resp: 237923

Ion	Ratio	Lower	Upper
240	100		
120	9.7	7.2	10.8
236	24.7	20.2	30.2





#77
Benzidine
Concen: 59.035 ng
RT: 19.464 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 19449

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.3	16.9
183	11.7	9.5	14.3

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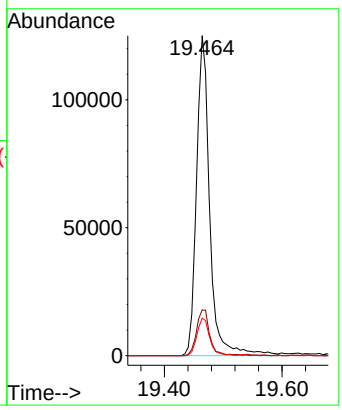
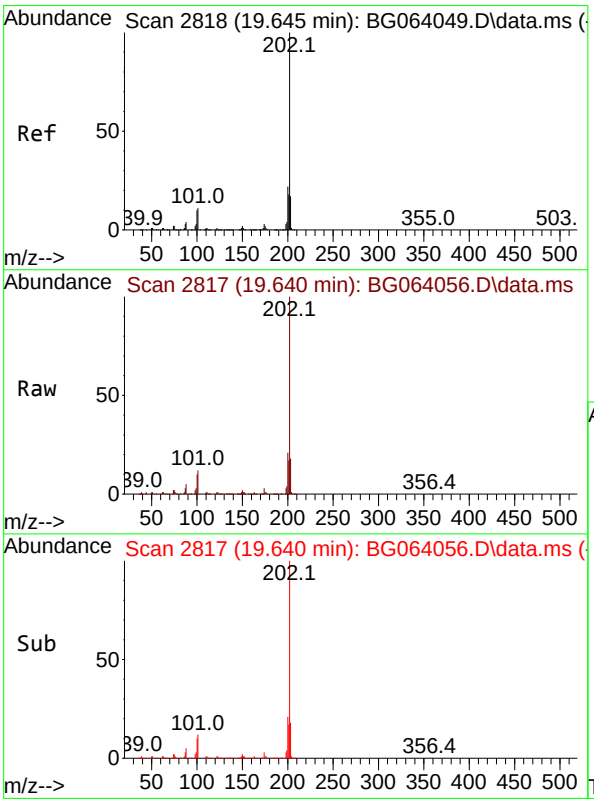
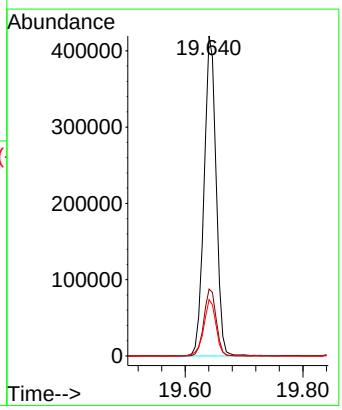


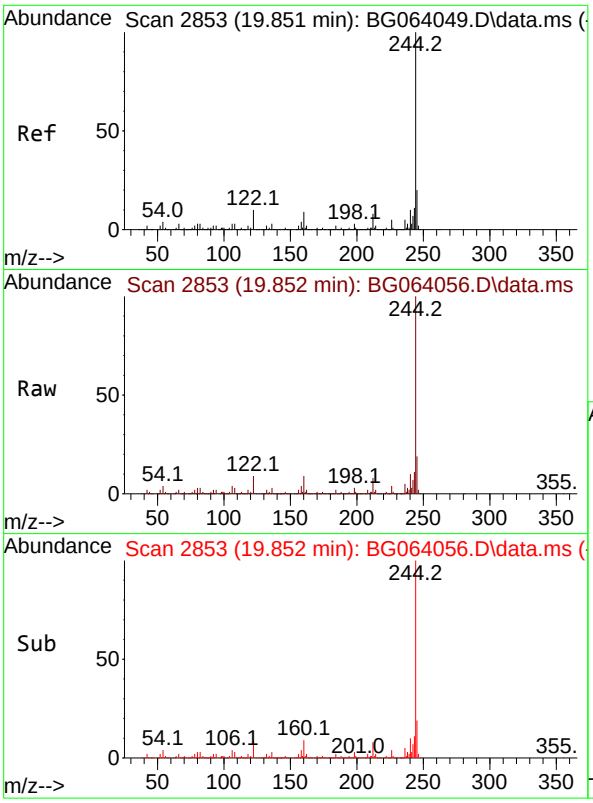


#78
Pyrene
Concen: 38.910 ng
RT: 19.640 min Scan# 2817
Delta R.T. -0.005 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:202 Resp: 596758

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.3	25.9
203	17.6	13.6	20.4

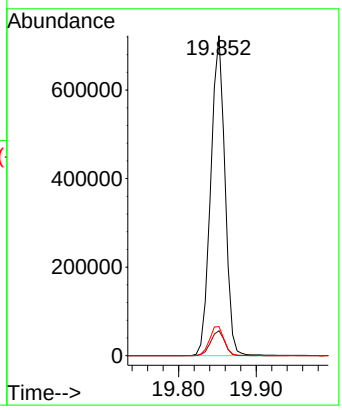




#79
Terphenyl-d14
Concen: 78.150 ng
RT: 19.852 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:244 Resp: 91956

Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.2	9.4
122	9.1	8.0	12.0



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
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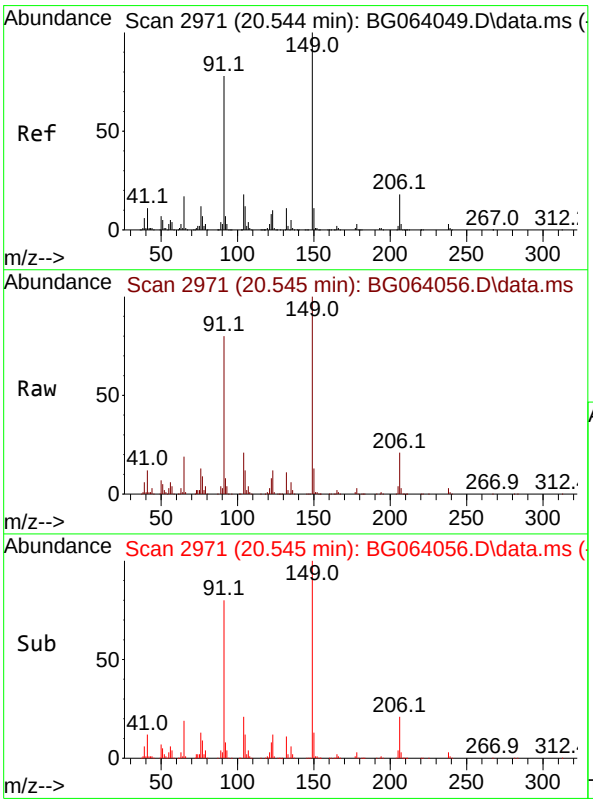
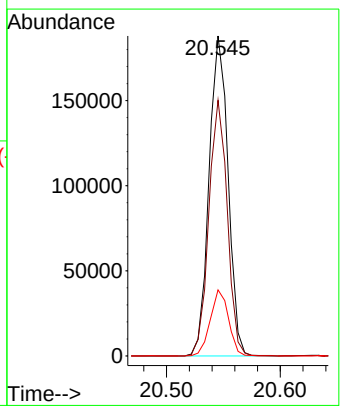
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

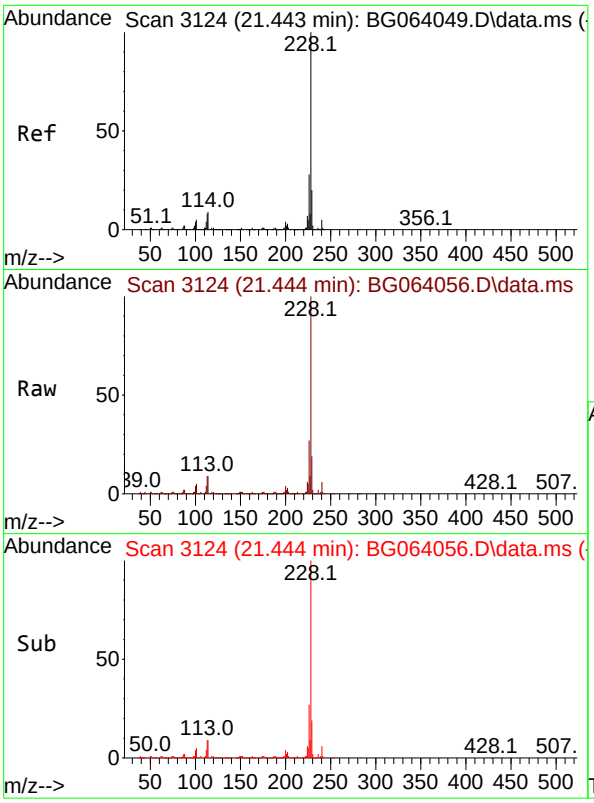


#80
Butylbenzylphthalate
Concen: 38.677 ng
RT: 20.545 min Scan# 2971
Delta R.T. 0.001 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:149 Resp: 218191

Ion	Ratio	Lower	Upper
149	100		
91	79.9	62.0	93.0
206	20.6	14.6	21.8





#81
Benzo(a)anthracene
Concen: 40.458 ng
RT: 21.444 min Scan# 3
Delta R.T. 0.001 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:228 Resp: 616609

Ion	Ratio	Lower	Upper
228	100		
226	26.6	22.2	33.2
229	19.4	16.4	24.6

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
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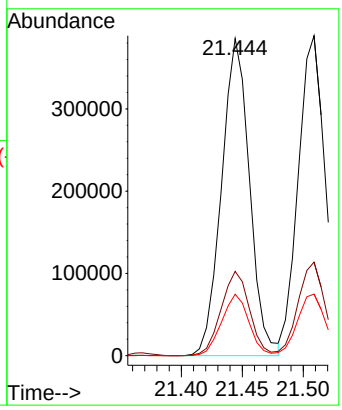
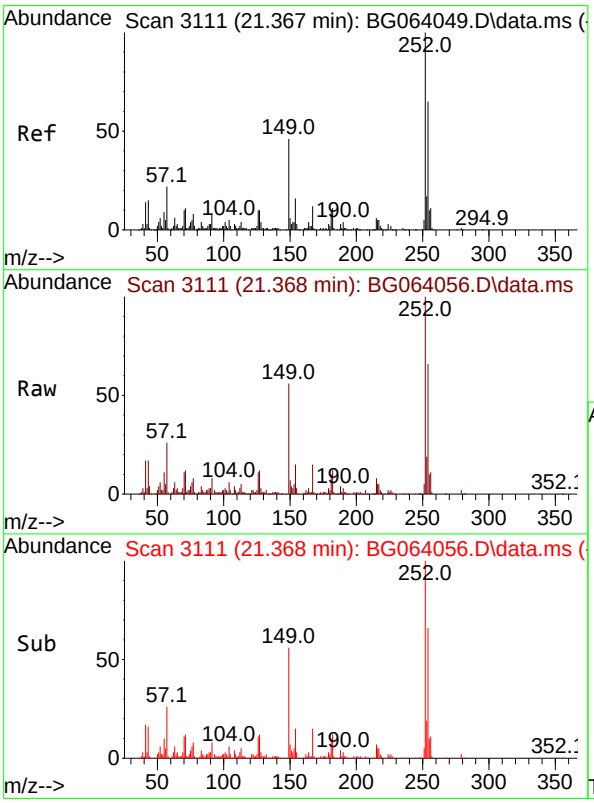
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

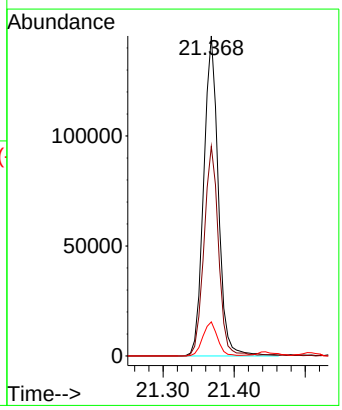


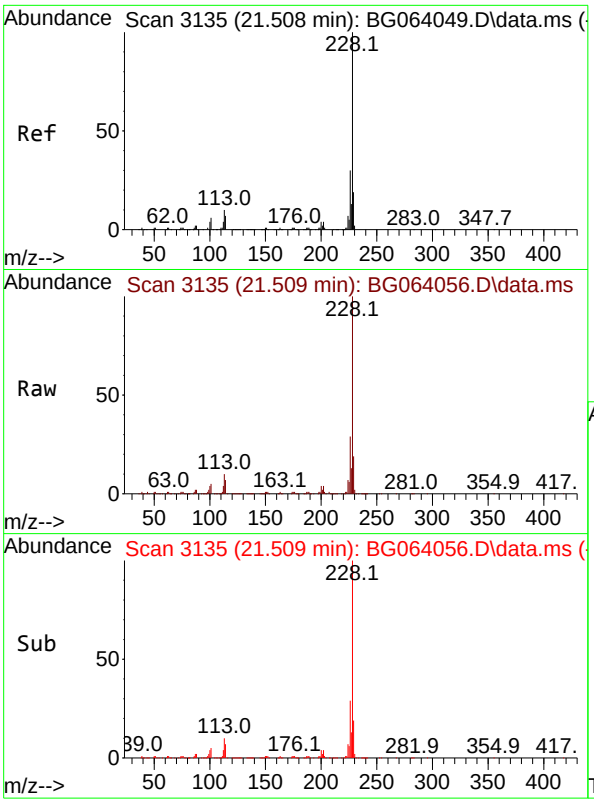


#82
3,3'-Dichlorobenzidine
Concen: 42.339 ng
RT: 21.368 min Scan# 3111
Delta R.T. 0.001 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:252 Resp: 208835

Ion	Ratio	Lower	Upper
252	100		
254	65.5	52.1	78.1
126	10.7	7.8	11.8





#83
Chrysene
Concen: 39.739 ng
RT: 21.509 min Scan# 3
Delta R.T. 0.001 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:228 Resp: 60405

Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.9	35.9
229	19.2	15.3	22.9

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
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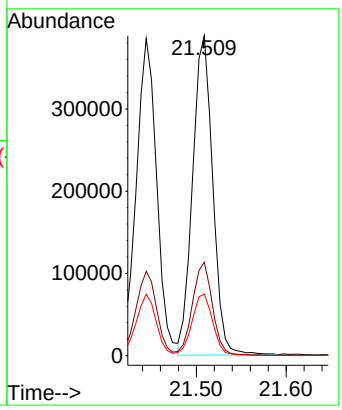
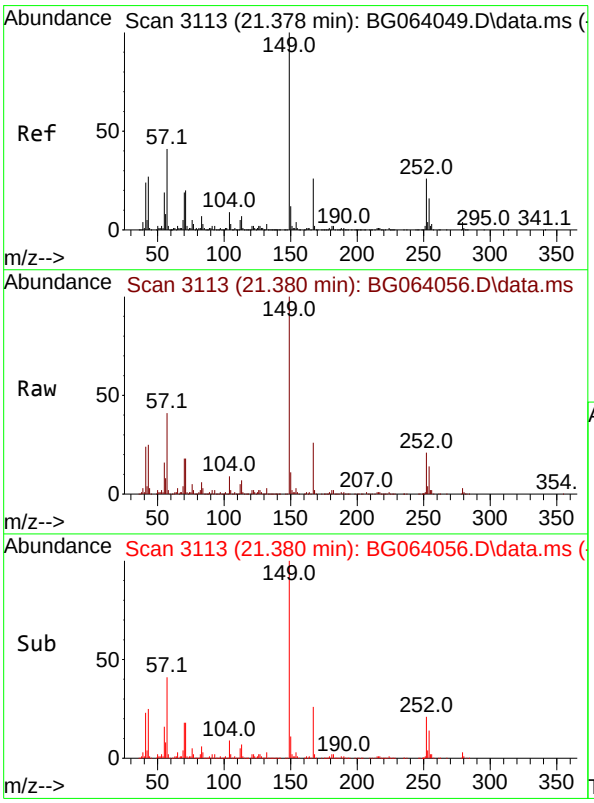
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

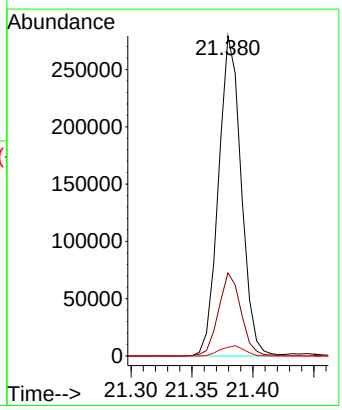


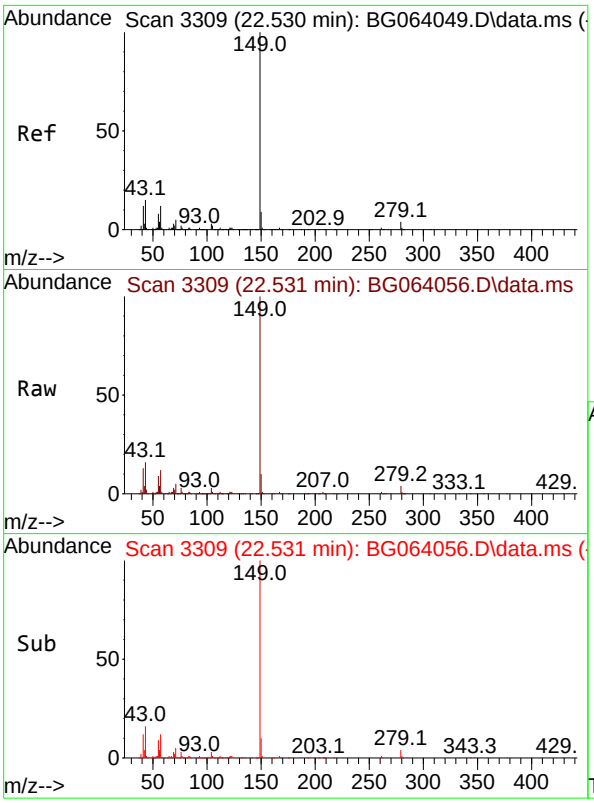


#84
Bis(2-ethylhexyl)phthalate
Concen: 43.858 ng
RT: 21.380 min Scan# 3113
Delta R.T. 0.001 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:149 Resp: 361498

Ion	Ratio	Lower	Upper
149	100		
167	26.0	21.0	31.6
279	2.7	2.8	4.2#

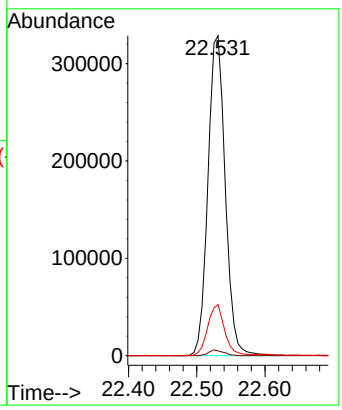




#85
Di-n-octyl phthalate
Concen: 40.839 ng
RT: 22.531 min Scan# 3
Delta R.T. 0.001 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:149 Resp: 58060

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	15.6	12.6	19.0



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
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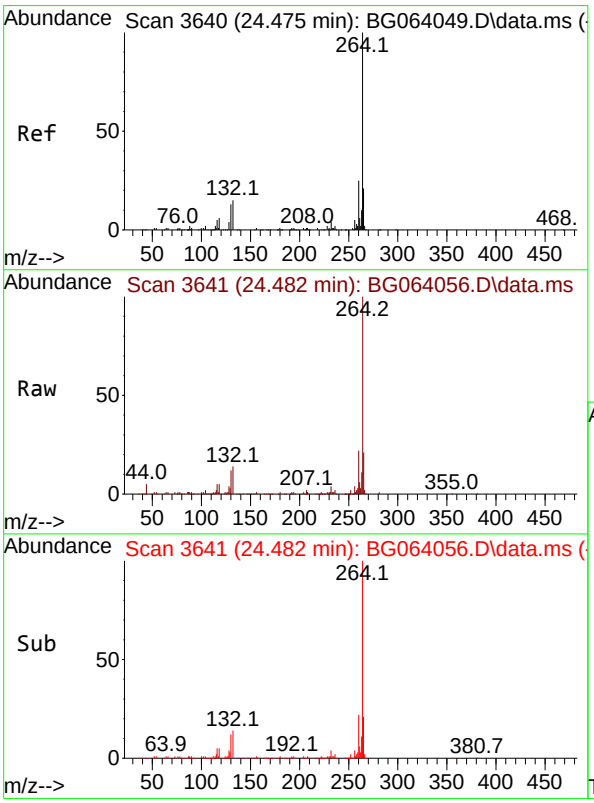
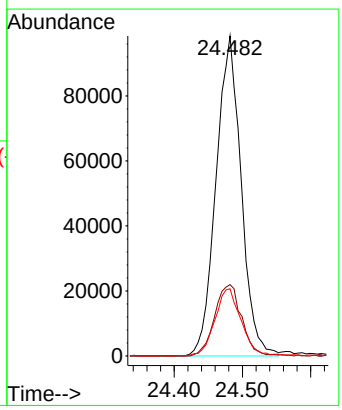
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

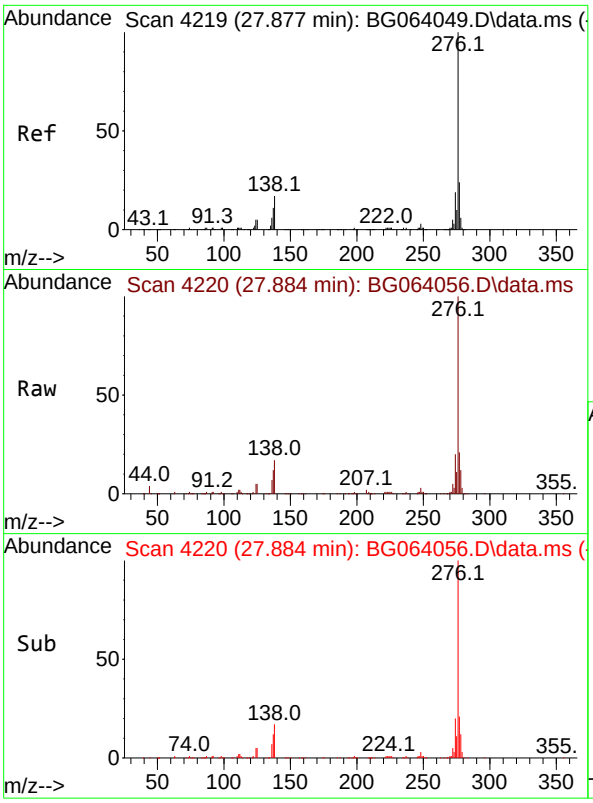


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.482 min Scan# 3641
Delta R.T. 0.007 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:264 Resp: 252082

Ion	Ratio	Lower	Upper
264	100		
260	22.3	19.6	29.4
265	21.0	16.6	25.0

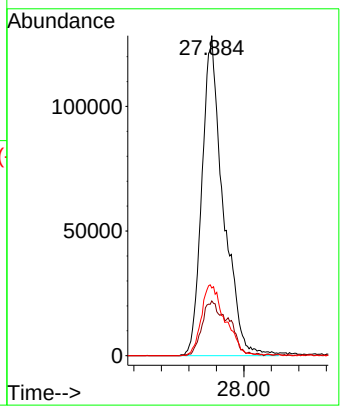




#87
Indeno(1,2,3-cd)pyrene
Concen: 40.920 ng
RT: 27.884 min Scan# 4
Delta R.T. 0.007 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:276 Resp: 69017

Ion	Ratio	Lower	Upper
276	100		
138	16.3	12.1	18.1
277	24.7	20.0	30.0



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
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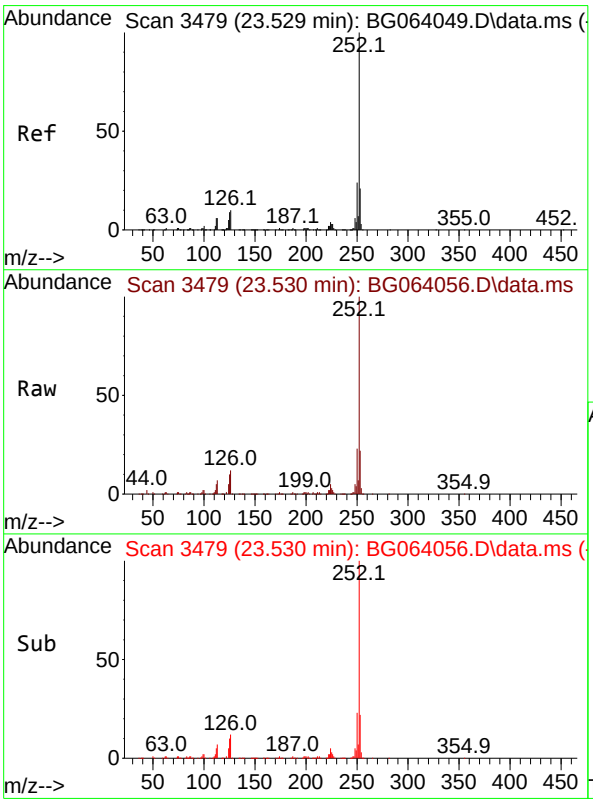
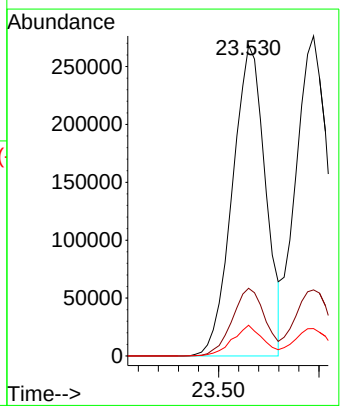
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

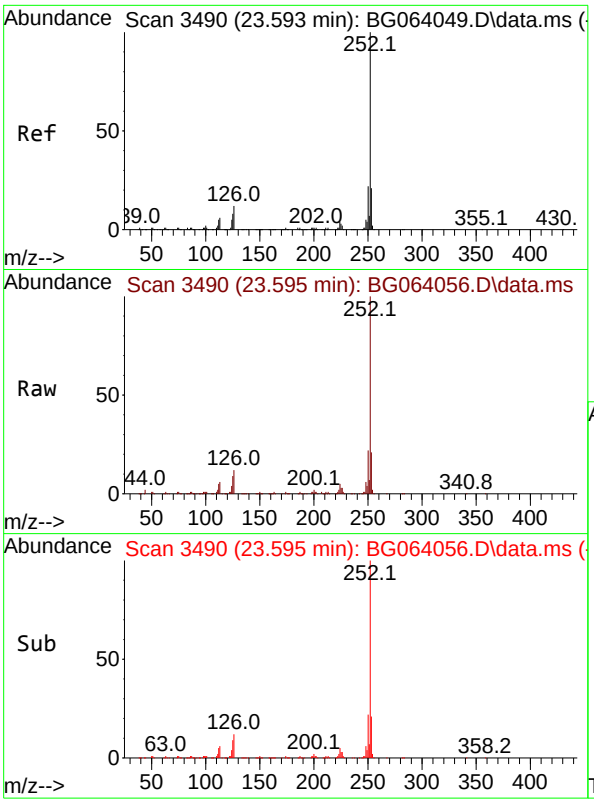


#88
Benzo(b)fluoranthene
Concen: 40.282 ng
RT: 23.530 min Scan# 3479
Delta R.T. 0.001 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:252 Resp: 613863

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.0	25.4
125	9.9	7.4	11.2

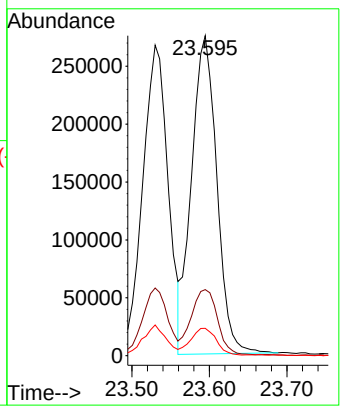




#89
Benzo(k)fluoranthene
Concen: 40.706 ng
RT: 23.595 min Scan# 34
Delta R.T. 0.001 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:252 Resp: 62231

Ion	Ratio	Lower	Upper
252	100		
253	20.7	16.8	25.2
125	8.6	6.9	10.3



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
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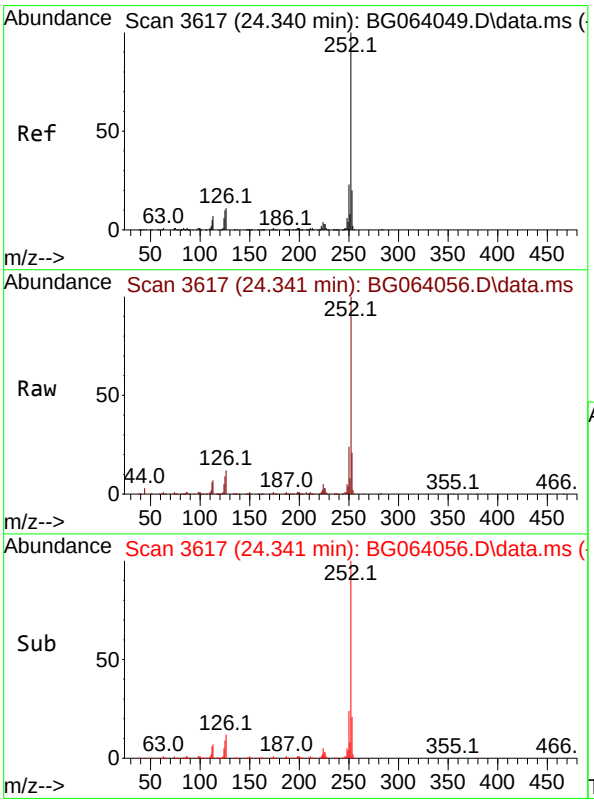
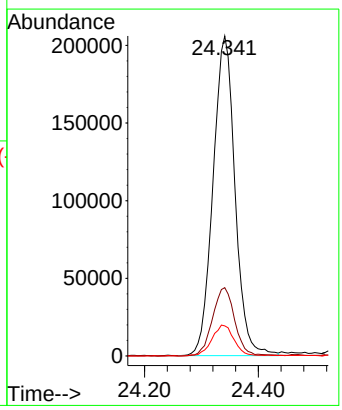
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

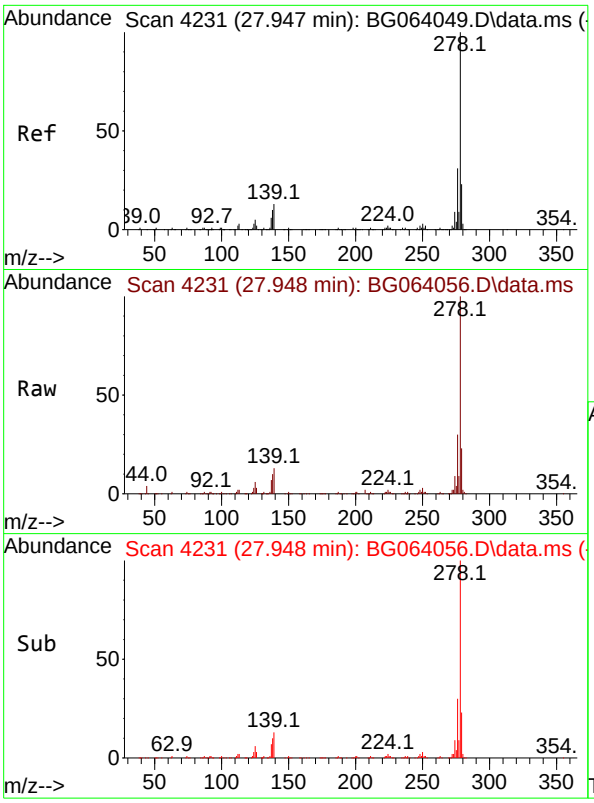


#90
Benzo(a)pyrene
Concen: 40.705 ng
RT: 24.341 min Scan# 3617
Delta R.T. 0.001 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:252 Resp: 552442

Ion	Ratio	Lower	Upper
252	100		
253	21.3	16.2	24.2
125	9.4	7.8	11.6

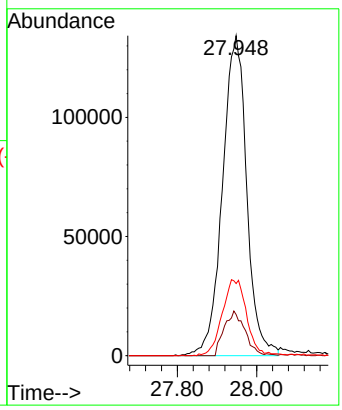




#91
Dibenzo(a,h)anthracene
Concen: 40.732 ng
RT: 27.948 min Scan# 4
Delta R.T. 0.001 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:278 Resp: 56954

Ion	Ratio	Lower	Upper
278	100		
139	12.8	10.2	15.2
279	22.6	18.1	27.1



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
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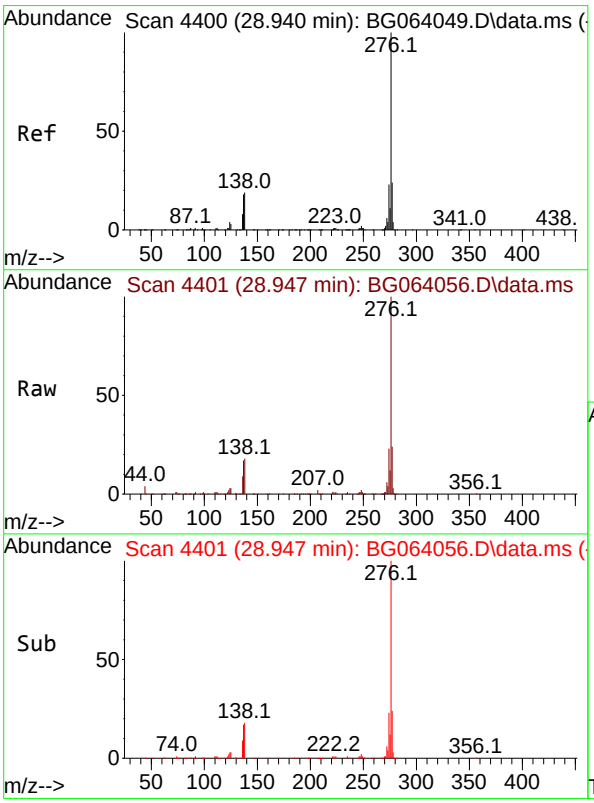
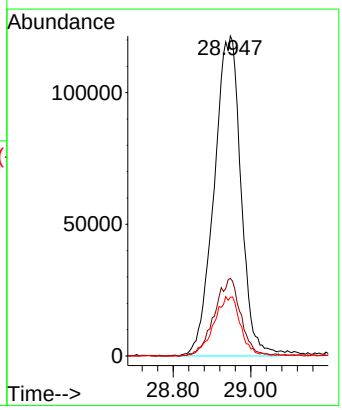
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#92
Benzo(g,h,i)perylene
Concen: 40.647 ng
RT: 28.947 min Scan# 4401
Delta R.T. 0.007 min
Lab File: BG064056.D
Acq: 7 Mar 2025 12:56

Tgt Ion:276 Resp: 583542

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.5	29.3
138	18.3	15.4	23.0



Sample Results: **BG064056.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064056.D
Acq On : 7 Mar 2025 12:56
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Mar 07 14:19:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 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	88	0.00
2		1,4-Dioxane	0.580	0.675	-16.4	101	0.00
3		Pyridine	1.412	1.681	-19.1	94	0.00
4		n-Nitrosodimethylamine	1.009	1.205	-19.4	99	-0.01
5	S	2-Fluorophenol	1.281	1.291	-0.8	84	0.00
6		Aniline	1.710	1.710	0.0	82	0.00
7	S	Phenol-d6	1.742	1.763	-1.2	84	0.00
8		2-Chlorophenol	1.376	1.371	0.4	83	0.00
9		Benzaldehyde	1.013	0.945	6.7	82	0.00
10	C	Phenol	1.784	1.847	-3.5	86	0.00
11		bis(2-Chloroethyl)ether	1.399	1.376	1.6	85	0.00
12		1,3-Dichlorobenzene	1.511	1.500	0.7	85	0.00
13	C	1,4-Dichlorobenzene	1.548	1.524	1.6	84	0.00
14		1,2-Dichlorobenzene	1.493	1.479	0.9	85	0.00
15		Benzyl Alcohol	1.346	1.351	-0.4	82	0.00
16		2,2'-oxybis(1-Chloropropane	3.145	3.061	2.7	82	0.00
17		2-Methylphenol	1.184	1.182	0.2	82	0.00
18		Hexachloroethane	0.542	0.547	-0.9	83	0.00
19	P	n-Nitroso-di-n-propylamine	1.223	1.189	2.8	79	0.00
20		3+4-Methylphenols	1.630	1.620	0.6	83	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	81	0.00
22		Acetophenone	0.548	0.561	-2.4	81	0.00
23	S	Nitrobenzene-d5	0.362	0.385	-6.4	81	0.00
24		Nitrobenzene	0.374	0.399	-6.7	81	0.00
25		Isophorone	0.724	0.728	-0.6	79	0.00
26	C	2-Nitrophenol	0.112	0.113	-0.9	75	0.00
27		2,4-Dimethylphenol	0.217	0.225	-3.7	79	0.00
28		bis(2-Chloroethoxy)methane	0.439	0.444	-1.1	81	0.00
29	C	2,4-Dichlorophenol	0.274	0.286	-4.4	80	0.00
30		1,2,4-Trichlorobenzene	0.331	0.336	-1.5	82	0.00
31		Naphthalene	1.078	1.097	-1.8	82	0.00
32		Benzoic acid	0.170	0.158	7.1	74	-0.02
33		4-Chloroaniline	0.394	0.411	-4.3	80	0.00
34	C	Hexachlorobutadiene	0.217	0.220	-1.4	81	0.00
35		Caprolactam	0.105	0.113	-7.6	83	0.00
36	C	4-Chloro-3-methylphenol	0.359	0.384	-7.0	83	0.00
37		2-Methylnaphthalene	0.761	0.799	-5.0	85	0.00
38		1-Methylnaphthalene	0.746	0.787	-5.5	84	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	83	0.00
40		1,2,4,5-Tetrachlorobenzene	0.571	0.583	-2.1	83	0.00
41	P	Hexachlorocyclopentadiene	0.161	0.164	-1.9	78	0.00
42	S	2,4,6-Tribromophenol	0.222	0.238	-7.2	82	0.00
43	C	2,4,6-Trichlorophenol	0.337	0.357	-5.9	83	0.00
44		2,4,5-Trichlorophenol	0.374	0.389	-4.0	80	0.00
45	S	2-Fluorobiphenyl	1.318	1.344	-2.0	82	0.00
46		1,1'-Biphenyl	1.511	1.529	-1.2	83	0.00
47		2-Chloronaphthalene	1.102	1.114	-1.1	82	0.00

Sample Results: **BG064056.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064056.D
Acq On : 7 Mar 2025 12:56
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Mar 07 14:19:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 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	0.318	0.339	-6.6	81	0.00
49		Acenaphthylene	1.743	1.729	0.8	80	0.00
50		Dimethylphthalate	1.476	1.470	0.4	80	0.00
51		2,6-Dinitrotoluene	0.261	0.286	-9.6	82	0.00
52	C	Acenaphthene	1.170	1.159	0.9	81	0.00
53		3-Nitroaniline	0.285	0.315	-10.5	83	0.00
54	P	2,4-Dinitrophenol	0.102	0.094	7.8	78	0.00
55		Dibenzofuran	1.895	1.896	-0.1	81	0.00
56	P	4-Nitrophenol	0.239	0.254	-6.3	82	0.00
57		2,4-Dinitrotoluene	0.357	0.390	-9.2	80	0.00
58		Fluorene	1.476	1.497	-1.4	84	0.00
59		2,3,4,6-Tetrachlorophenol	0.365	0.373	-2.2	78	0.00
60		Diethylphthalate	1.603	1.634	-1.9	81	0.00
61		4-Chlorophenyl-phenylether	0.733	0.717	2.2	81	0.00
62		4-Nitroaniline	0.308	0.340	-10.4	82	0.00
63		Azobenzene	1.710	1.684	1.5	80	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	82	0.00
65		4,6-Dinitro-2-methylphenol	0.076	0.074	2.6	81	0.00
66	c	n-Nitrosodiphenylamine	0.566	0.579	-2.3	82	0.00
67		4-Bromophenyl-phenylether	0.205	0.212	-3.4	83	0.00
68		Hexachlorobenzene	0.229	0.235	-2.6	84	0.00
69		Atrazine	0.167	0.159	4.8	82	0.00
70	C	Pentachlorophenol	0.142	0.140	1.4	77	0.00
71		Phenanthrene	1.067	1.101	-3.2	84	0.00
72		Anthracene	1.061	1.102	-3.9	83	0.00
73		Carbazole	0.990	1.032	-4.2	82	0.00
74		Di-n-butylphthalate	1.166	1.263	-8.3	82	0.00
75	C	Fluoranthene	1.286	1.358	-5.6	84	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	87	0.00
77		Benzidine	0.277	0.409	-47.7#	114	0.00
78		Pyrene	1.289	1.254	2.7	84	0.00
79	S	Terphenyl-d14	0.989	0.966	2.3	84	0.00
80		Butylbenzylphthalate	0.423	0.459	-8.5	86	0.00
81		Benzo(a)anthracene	1.281	1.296	-1.2	87	0.00
82		3,3'-Dichlorobenzidine	0.415	0.439	-5.8	85	0.00
83		Chrysene	1.278	1.269	0.7	85	0.00
84		Bis(2-ethylhexyl)phthalate	0.693	0.760	-9.7	88	0.00
85	c	Di-n-octyl phthalate	1.195	1.220	-2.1	86	0.00
86	I	Perylene-d12	1.000	1.000	0.0	87	0.00
87		Indeno(1,2,3-cd)pyrene	1.338	1.369	-2.3	87	0.00
88		Benzo(b)fluoranthene	1.209	1.218	-0.7	87	0.00
89		Benzo(k)fluoranthene	1.213	1.234	-1.7	86	0.00
90	C	Benzo(a)pyrene	1.077	1.096	-1.8	86	0.00
91		Dibenzo(a,h)anthracene	1.109	1.130	-1.9	87	0.00
92		Benzo(g,h,i)perylene	1.139	1.157	-1.6	87	0.00

Sample Results: **BG064056.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064056.D
Acq On : 7 Mar 2025 12:56
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Mar 07 14:19:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 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: **BG064056.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064056.D
Acq On : 7 Mar 2025 12:56
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Mar 07 14:19:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 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	88	0.00
2		1,4-Dioxane	40.000	46.501	-16.3	101	0.00
3		Pyridine	40.000	47.638	-19.1	94	0.00
4		n-Nitrosodimethylamine	40.000	47.794	-19.5	99	-0.01
5	S	2-Fluorophenol	80.000	80.607	-0.8	84	0.00
6		Aniline	40.000	39.998	0.0	82	0.00
7	S	Phenol-d6	80.000	80.946	-1.2	84	0.00
8		2-Chlorophenol	40.000	39.859	0.4	83	0.00
9		Benzaldehyde	40.000	37.299	6.8	82	0.00
10	C	Phenol	40.000	41.417	-3.5	86	0.00
11		bis(2-Chloroethyl)ether	40.000	39.365	1.6	85	0.00
12		1,3-Dichlorobenzene	40.000	39.718	0.7	85	0.00
13	C	1,4-Dichlorobenzene	40.000	39.377	1.6	84	0.00
14		1,2-Dichlorobenzene	40.000	39.625	0.9	85	0.00
15		Benzyl Alcohol	40.000	40.134	-0.3	82	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	38.934	2.7	82	0.00
17		2-Methylphenol	40.000	39.922	0.2	82	0.00
18		Hexachloroethane	40.000	40.420	-1.1	83	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	38.878	2.8	79	0.00
20		3+4-Methylphenols	40.000	39.751	0.6	83	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	81	0.00
22		Acetophenone	40.000	40.893	-2.2	81	0.00
23	S	Nitrobenzene-d5	80.000	85.150	-6.4	81	0.00
24		Nitrobenzene	40.000	42.649	-6.6	81	0.00
25		Isophorone	40.000	40.191	-0.5	79	0.00
26	C	2-Nitrophenol	40.000	37.268	6.8	75	0.00
27		2,4-Dimethylphenol	40.000	41.379	-3.4	79	0.00
28		bis(2-Chloroethoxy)methane	40.000	40.416	-1.0	81	0.00
29	C	2,4-Dichlorophenol	40.000	41.658	-4.1	80	0.00
30		1,2,4-Trichlorobenzene	40.000	40.608	-1.5	82	0.00
31		Naphthalene	40.000	40.694	-1.7	82	0.00
32		Benzoic acid	40.000	34.646	13.4	74	-0.02
33		4-Chloroaniline	40.000	41.716	-4.3	80	0.00
34	C	Hexachlorobutadiene	40.000	40.565	-1.4	81	0.00
35		Caprolactam	40.000	42.883	-7.2	83	0.00
36	C	4-Chloro-3-methylphenol	40.000	42.782	-7.0	83	0.00
37		2-Methylnaphthalene	40.000	41.969	-4.9	85	0.00
38		1-Methylnaphthalene	40.000	42.194	-5.5	84	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	83	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.833	-2.1	83	0.00
41	P	Hexachlorocyclopentadiene	40.000	40.745	-1.9	78	0.00
42	S	2,4,6-Tribromophenol	80.000	85.509	-6.9	82	0.00
43	C	2,4,6-Trichlorophenol	40.000	42.493	-6.2	83	0.00
44		2,4,5-Trichlorophenol	40.000	41.590	-4.0	80	0.00
45	S	2-Fluorobiphenyl	80.000	81.599	-2.0	82	0.00
46		1,1'-Biphenyl	40.000	40.474	-1.2	83	0.00
47		2-Chloronaphthalene	40.000	40.443	-1.1	82	0.00

Sample Results: **BG064056.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064056.D
Acq On : 7 Mar 2025 12:56
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Mar 07 14:19:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	38.772	3.1	81	0.00
49		Acenaphthylene	40.000	39.684	0.8	80	0.00
50		Dimethylphthalate	40.000	39.816	0.5	80	0.00
51		2,6-Dinitrotoluene	40.000	38.904	2.7	82	0.00
52	C	Acenaphthene	40.000	39.623	0.9	81	0.00
53		3-Nitroaniline	40.000	44.163	-10.4	83	0.00
54	P	2,4-Dinitrophenol	40.000	35.162	12.1	78	0.00
55		Dibenzofuran	40.000	40.009	-0.0	81	0.00
56	P	4-Nitrophenol	40.000	42.444	-6.1	82	0.00
57		2,4-Dinitrotoluene	40.000	38.567	3.6	80	0.00
58		Fluorene	40.000	40.580	-1.4	84	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	40.905	-2.3	78	0.00
60		Diethylphthalate	40.000	40.770	-1.9	81	0.00
61		4-Chlorophenyl-phenylether	40.000	39.104	2.2	81	0.00
62		4-Nitroaniline	40.000	44.188	-10.5	82	0.00
63		Azobenzene	40.000	39.389	1.5	80	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	82	0.00
65		4,6-Dinitro-2-methylphenol	40.000	36.621	8.4	81	0.00
66	c	n-Nitrosodiphenylamine	40.000	40.901	-2.3	82	0.00
67		4-Bromophenyl-phenylether	40.000	41.477	-3.7	83	0.00
68		Hexachlorobenzene	40.000	41.059	-2.6	84	0.00
69		Atrazine	40.000	38.227	4.4	82	0.00
70	C	Pentachlorophenol	40.000	39.275	1.8	77	0.00
71		Phenanthrene	40.000	41.283	-3.2	84	0.00
72		Anthracene	40.000	41.547	-3.9	83	0.00
73		Carbazole	40.000	41.695	-4.2	82	0.00
74		Di-n-butylphthalate	40.000	43.352	-8.4	82	0.00
75	C	Fluoranthene	40.000	42.231	-5.6	84	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	87	0.00
77		Benzidine	40.000	59.035	-47.6#	114	0.00
78		Pyrene	40.000	38.910	2.7	84	0.00
79	S	Terphenyl-d14	80.000	78.150	2.3	84	0.00
80		Butylbenzylphthalate	40.000	38.677	3.3	86	0.00
81		Benzo(a)anthracene	40.000	40.458	-1.1	87	0.00
82		3,3'-Dichlorobenzidine	40.000	42.339	-5.8	85	0.00
83		Chrysene	40.000	39.739	0.7	85	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	43.858	-9.6	88	0.00
85	c	Di-n-octyl phthalate	40.000	40.839	-2.1	86	0.00
86	I	Perylene-d12	20.000	20.000	0.0	87	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	40.920	-2.3	87	0.00
88		Benzo(b)fluoranthene	40.000	40.282	-0.7	87	0.00
89		Benzo(k)fluoranthene	40.000	40.706	-1.8	86	0.00
90	C	Benzo(a)pyrene	40.000	40.705	-1.8	86	0.00
91		Dibenzo(a,h)anthracene	40.000	40.732	-1.8	87	0.00
92		Benzo(g,h,i)perylene	40.000	40.647	-1.6	87	0.00

Sample Results: **BG064056.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064056.D
Acq On : 7 Mar 2025 12:56
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Mar 07 14:19:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 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

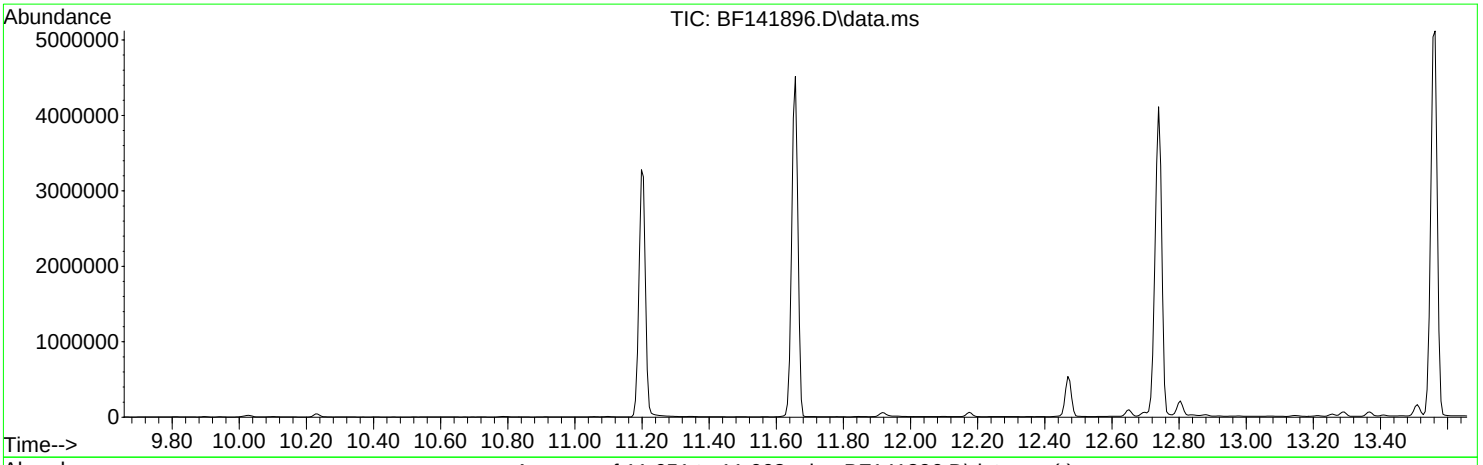
Sample Results: **BF141896.D**

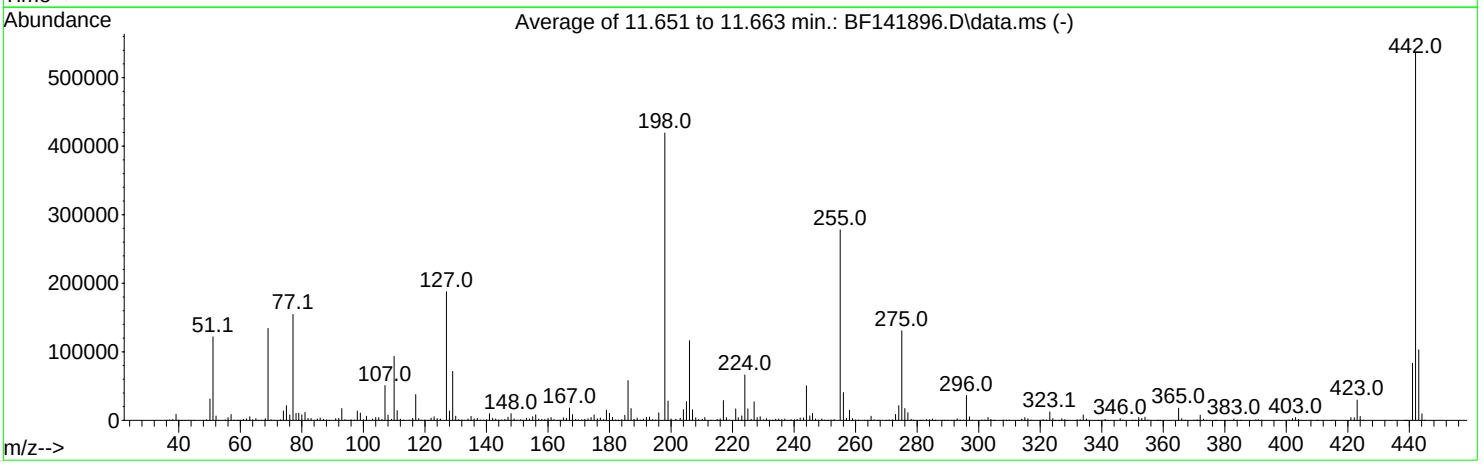
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141896.D
Acq On : 10 Mar 2025 10:31
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Mar 10 15:46:22 2025





AutoFind: Scans 1625, 1626, 1627; Background Corrected with Scan 1617

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	29.1	121957	PASS
68	69	0.00	2	1.9	2599	PASS
69	198	0.00	100	32.0	134239	PASS
70	69	0.00	2	0.7	949	PASS
127	198	10	80	44.8	187627	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	419221	PASS
199	198	5	9	6.7	28280	PASS
275	198	10	60	31.2	130819	PASS
365	198	1	100	4.2	17803	PASS
441	198	0.01	100	19.9	83389	PASS
442	442	50	100	100.0	536640	PASS
443	442	15	24	19.2	102888	PASS

DDT Breakdown

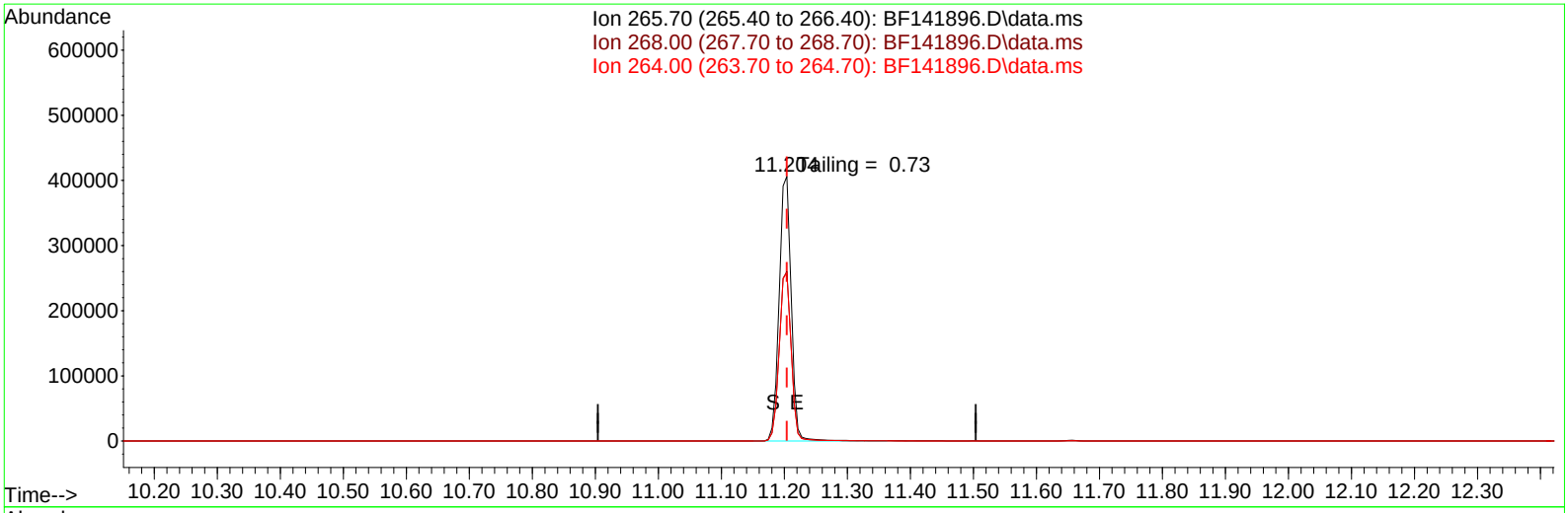
Date	Instrument Name	DFTPP Data File
3/10/2025	BNA_F	BF141896.D
Compound Name	**Response**	**Retention Time**
DDT	1358235	13.562
DDD	20094	13.292
DDE	930	12.921
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
21024	1379259	1.52

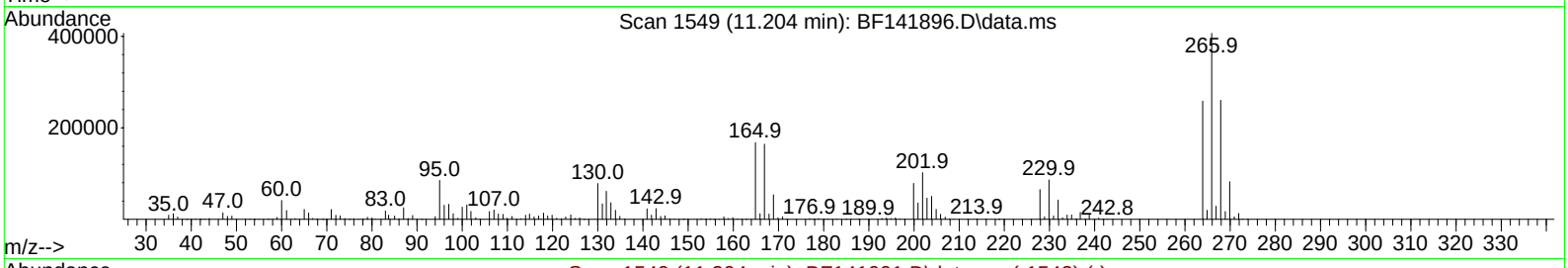
Instrument :
BNA_F
ClientSampleId :
DFTPP

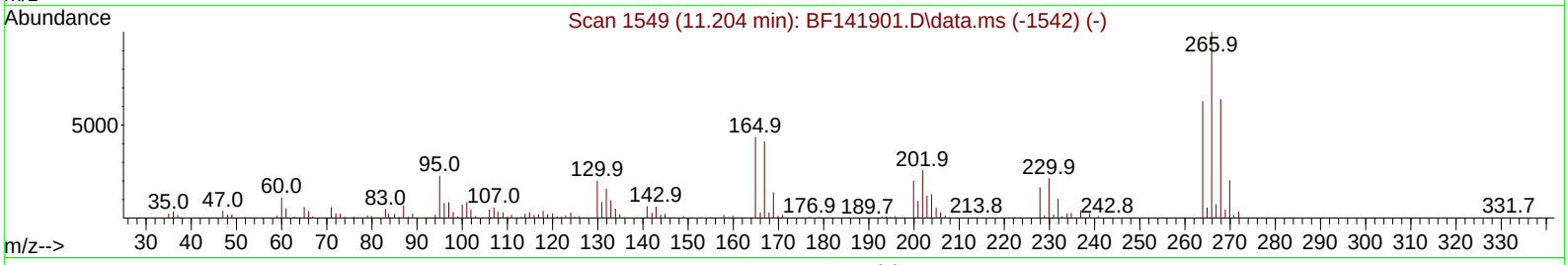
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141896.D
Acq On : 10 Mar 2025 10:31
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Mar 10 16:16:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration







TIC: BF141896.D\data.ms

(70) Pentachlorophenol (C)

11.204min (-0.000) 118650.09 ng

response 544757

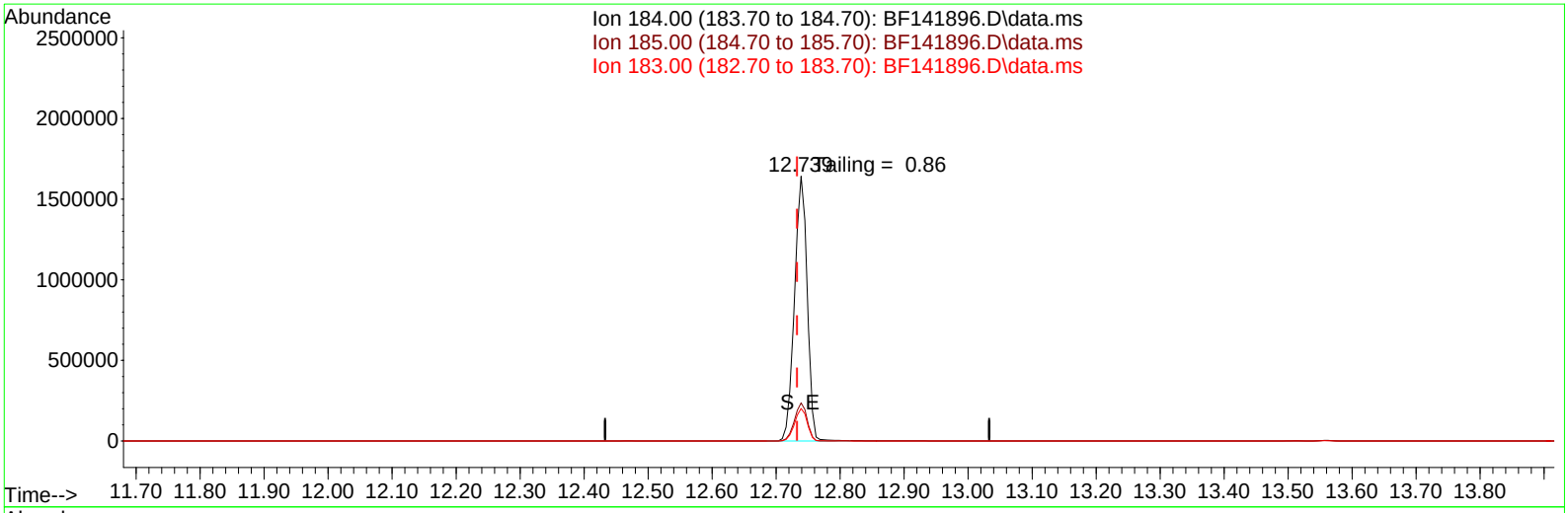
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.80	64.05
264.00	62.70	63.55
0.00	0.00	0.00

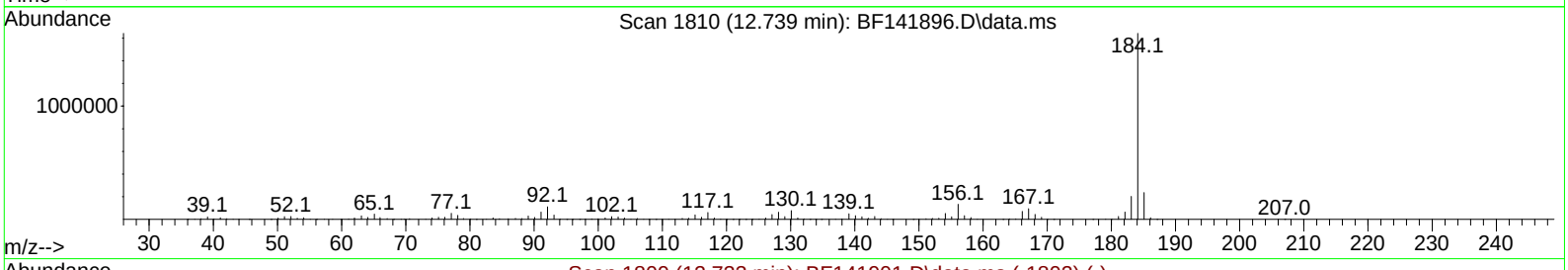
Sample Results: **BF141896.D**

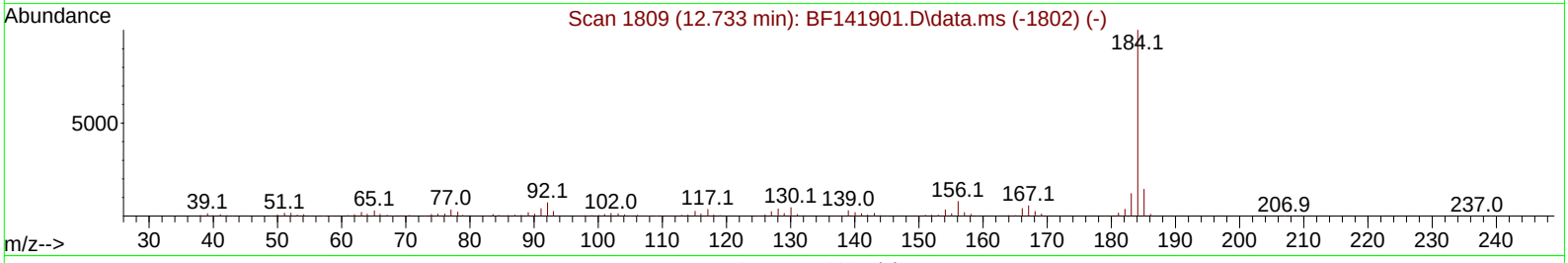
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031025\
Data File : BF141896.D
Acq On : 10 Mar 2025 10:31
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Mar 10 16:16:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration







TIC: BF141896.D\data.ms

(77) Benzidine

12.739min (+ 0.006) 203796.44 ng

response 2274676

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.38
183.00	12.10	12.32
0.00	0.00	0.00

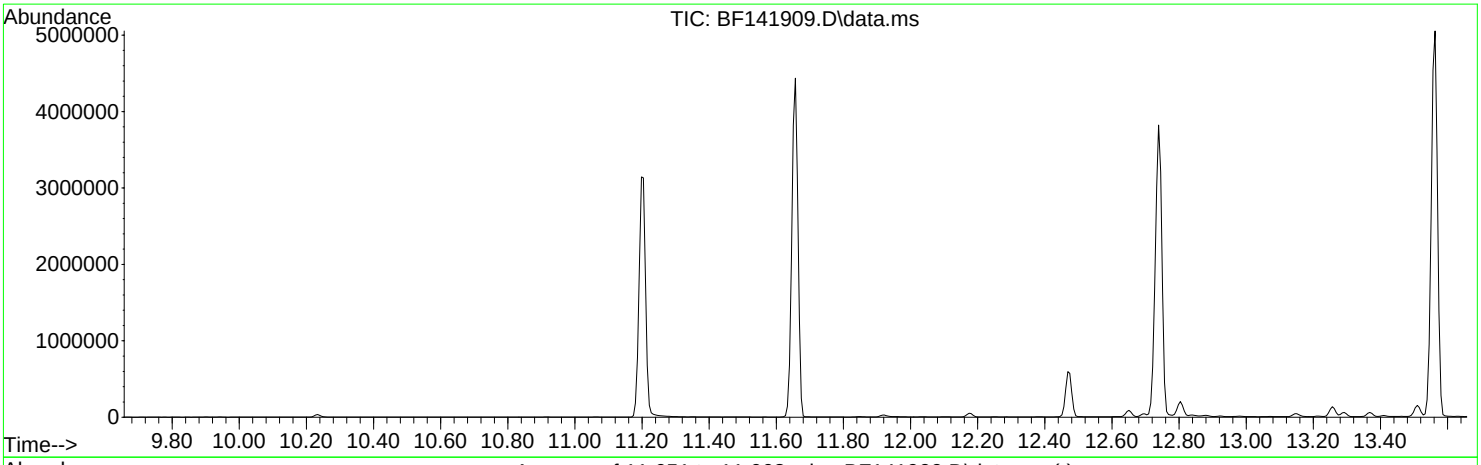
Sample Results: **BF141909.D**

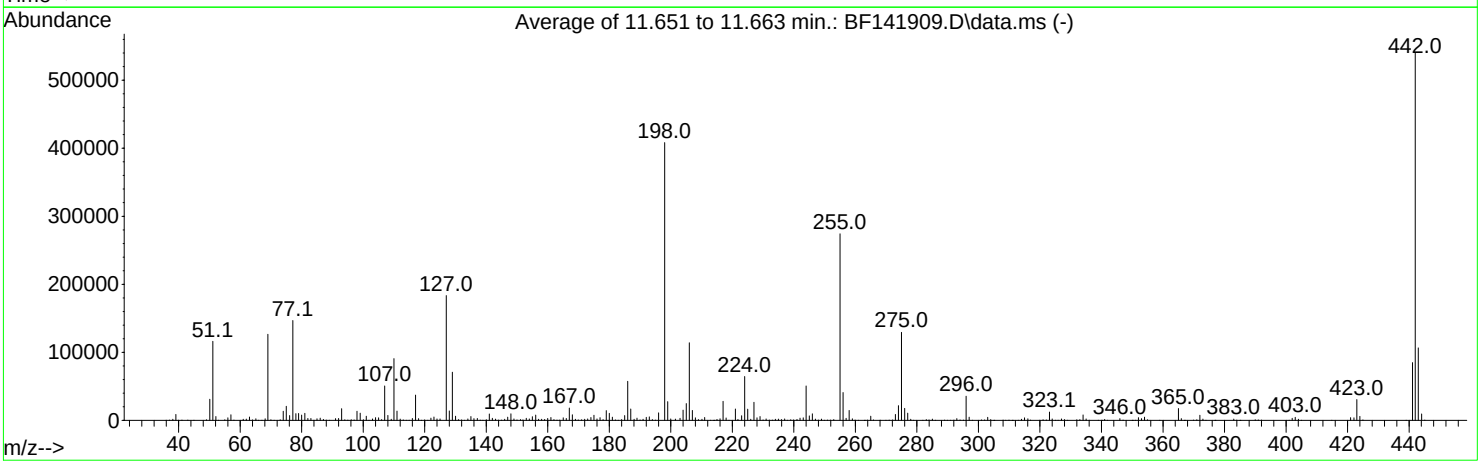
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141909.D
Acq On : 11 Mar 2025 10:52
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Mar 10 15:46:22 2025





AutoFind: Scans 1625, 1626, 1627; Background Corrected with Scan 1617

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	28.4	116181	PASS
68	69	0.00	2	2.0	2472	PASS
69	198	0.00	100	31.0	126608	PASS
70	69	0.00	2	0.7	857	PASS
127	198	10	80	44.9	183360	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	408427	PASS
199	198	5	9	6.7	27544	PASS
275	198	10	60	31.7	129467	PASS
365	198	1	100	4.3	17493	PASS
441	198	0.01	100	20.8	84915	PASS
442	442	50	100	100.0	540757	PASS
443	442	15	24	19.7	106656	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
3/11/2025	BNA_F	BF141909.D
Compound Name	**Response**	**Retention Time**
DDT	1316072	13.562
DDD	45139	13.257
DDE	1601	12.921
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
46740	1362812	3.43

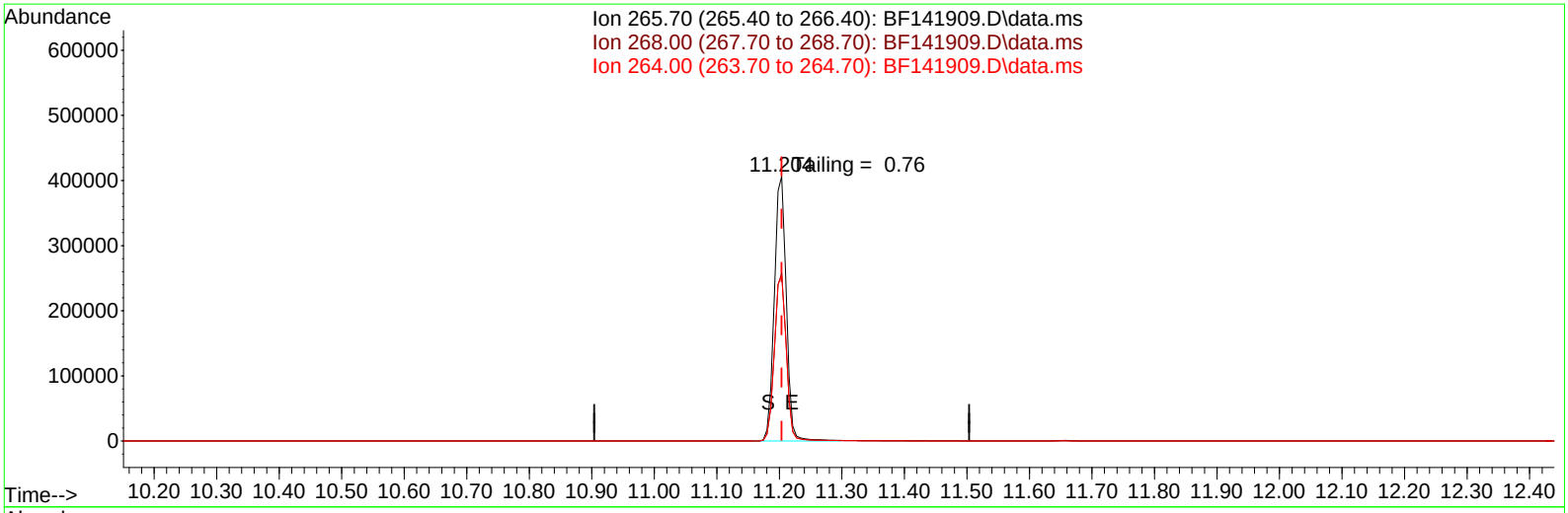
Instrument :
BNA_F
ClientSampleId :
DFTPP

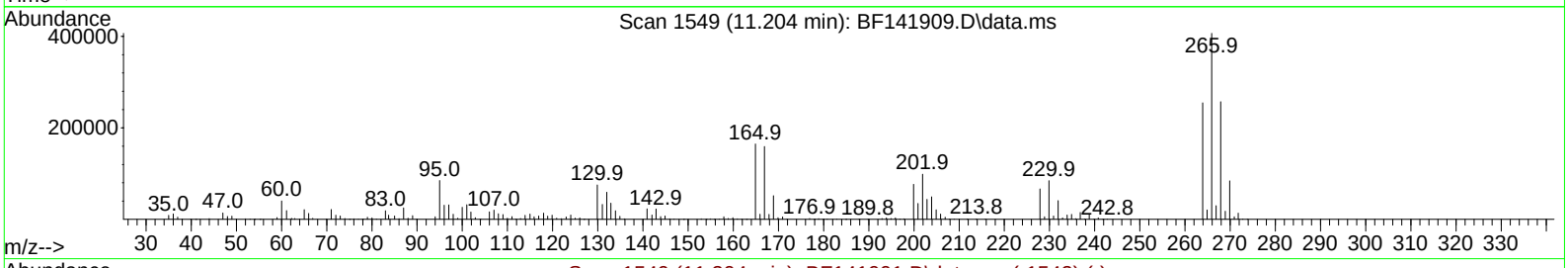
Sample Results: **BF141909.D**

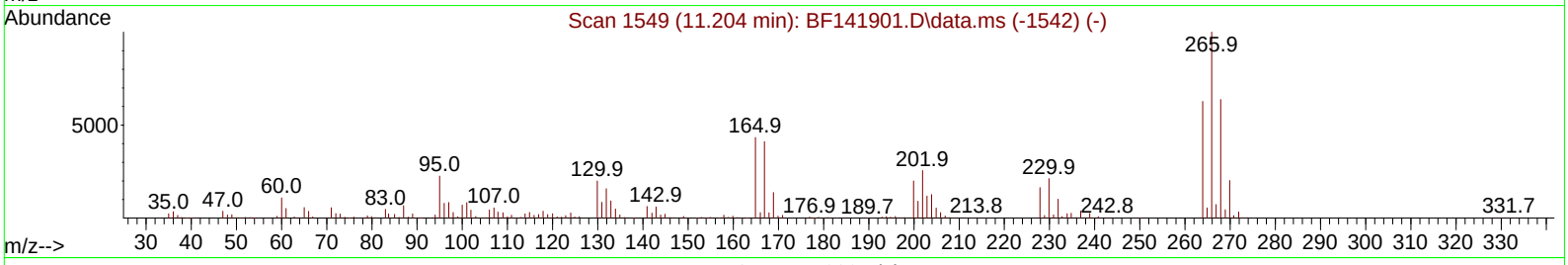
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141909.D
Acq On : 11 Mar 2025 10:52
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Mar 11 12:35:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration







TIC: BF141909.D\data.ms

(70) Pentachlorophenol (C)

11.204min (-0.000) 72528.27 ng

response 545354

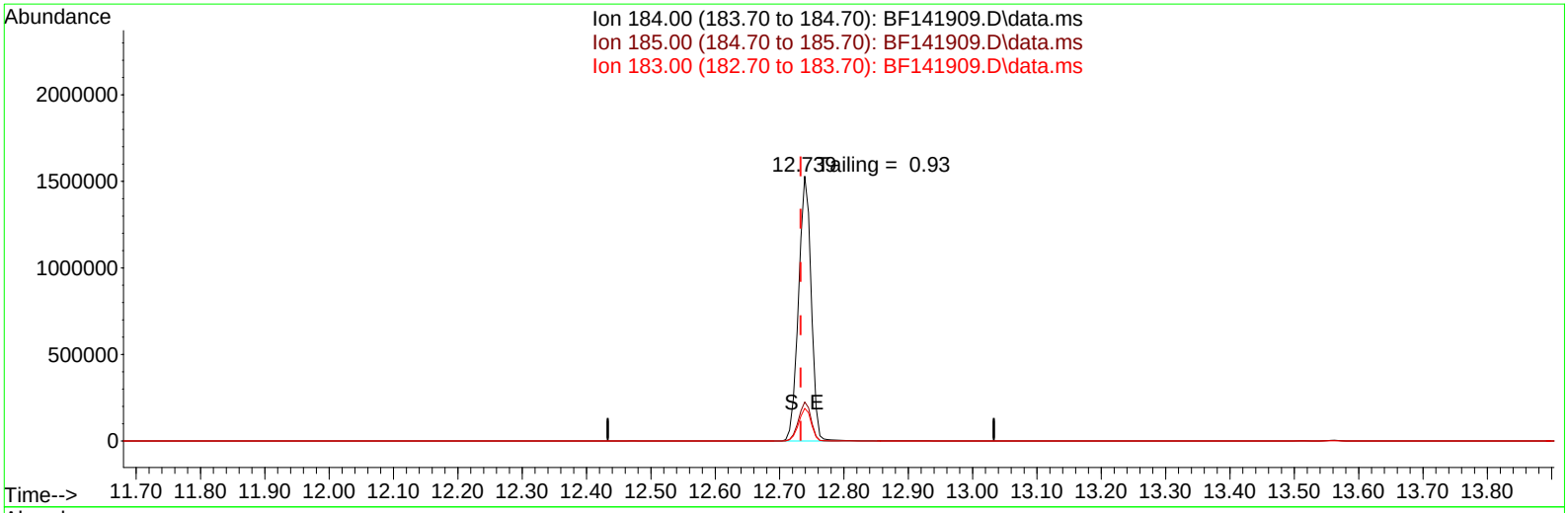
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.80	63.26
264.00	62.70	62.63
0.00	0.00	0.00

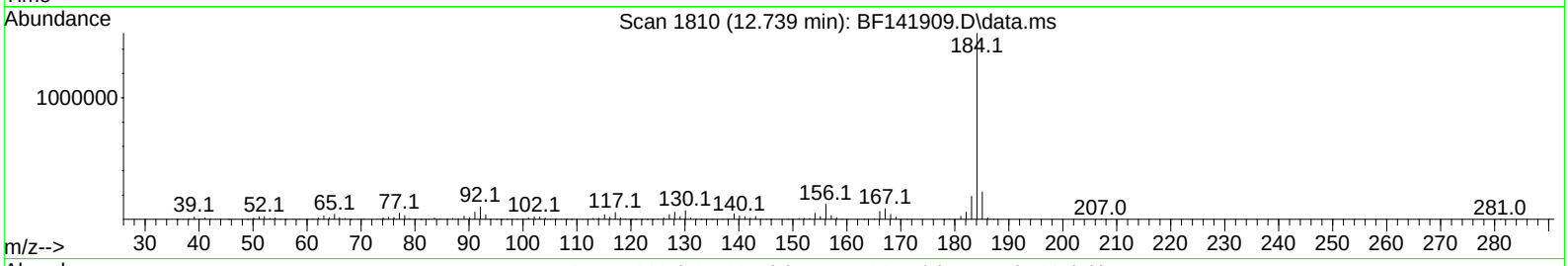
Sample Results: **BF141909.D**

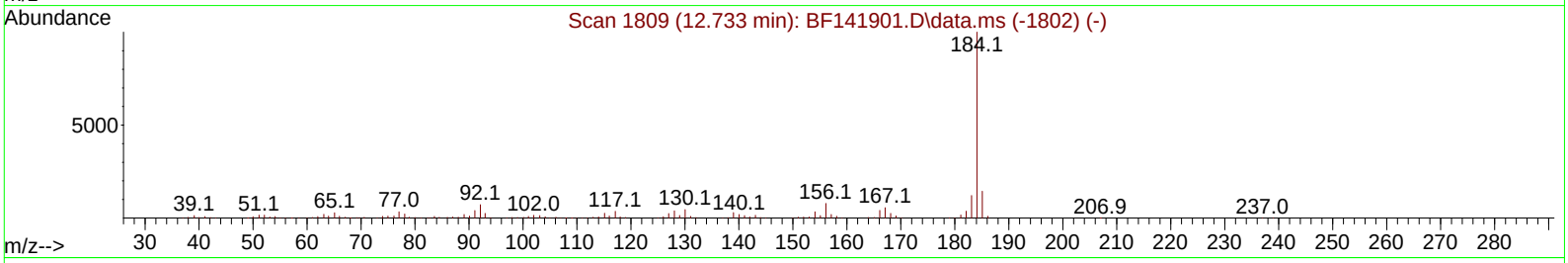
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141909.D
Acq On : 11 Mar 2025 10:52
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Mar 11 12:35:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration







TIC: BF141909.D\data.ms

(77) Benzidine

12.739min (+ 0.006) 151707.91 ng

response 2103912

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.76
183.00	12.10	12.39
0.00	0.00	0.00

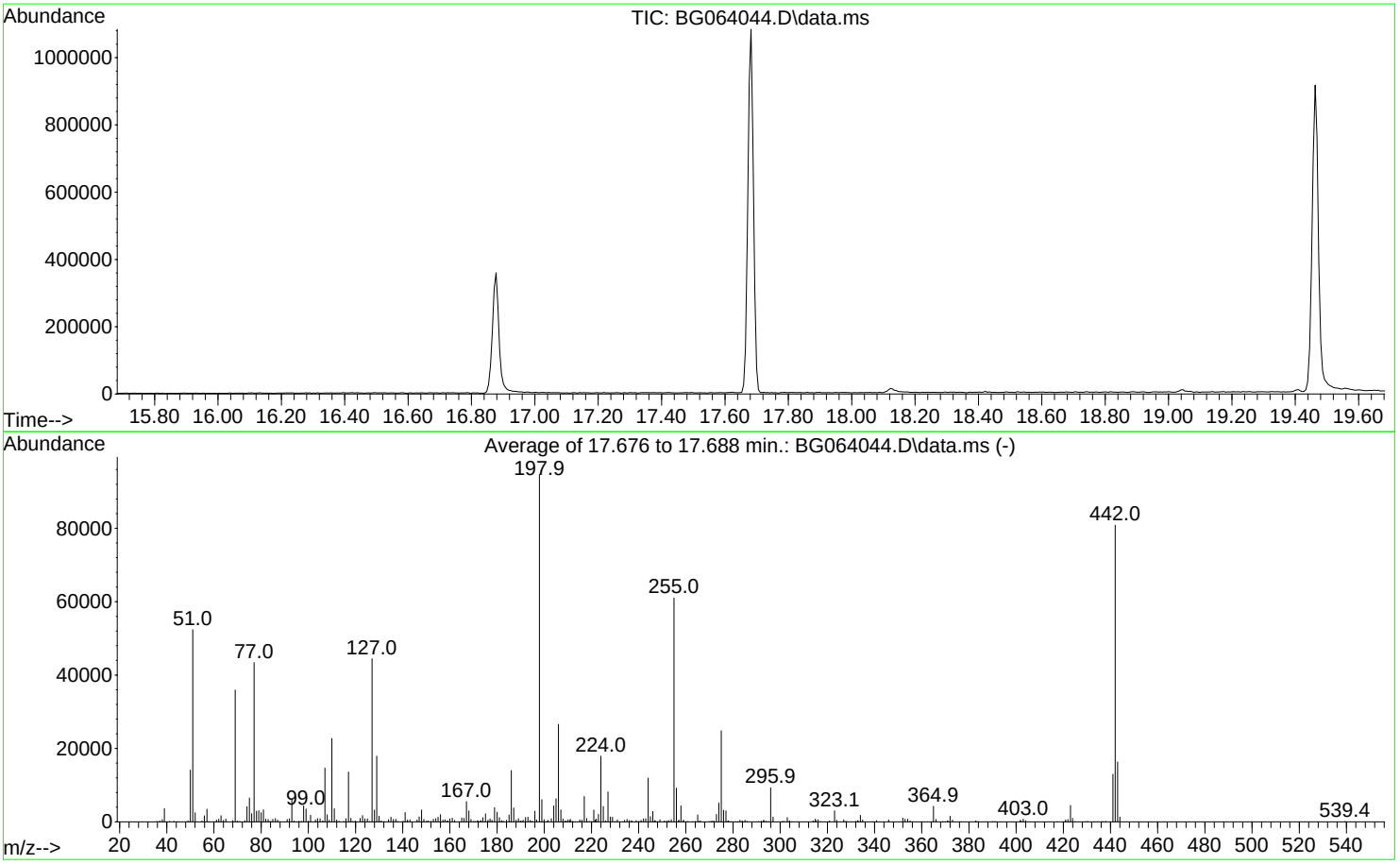
Sample Results: **BG064044.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064044.D
Acq On : 5 Mar 2025 8:15
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Mar 05 15:39:19 2025



AutoFind: Scans 2483, 2484, 2485; 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	55.3	52392	PASS
68	69	0.00	2	1.1	386	PASS
69	198	0.00	100	38.0	35944	PASS
70	69	0.00	2	0.5	177	PASS
127	198	10	80	47.0	44448	PASS
197	198	0.00	2	0.6	541	PASS
198	198	100	100	100.0	94661	PASS
199	198	5	9	6.4	6065	PASS
275	198	10	60	26.2	24824	PASS
365	198	1	100	4.5	4228	PASS
441	198	0.01	100	13.7	12975	PASS
442	442	50	100	100.0	80851	PASS
443	442	15	24	20.2	16317	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
3/5/2025	BNA_G	BG064044.D
Compound Name	**Response**	**Retention Time**
DDT	173171	20.702
DDD	5056	20.256
DDE	59	19.762
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
5115	178286	2.87

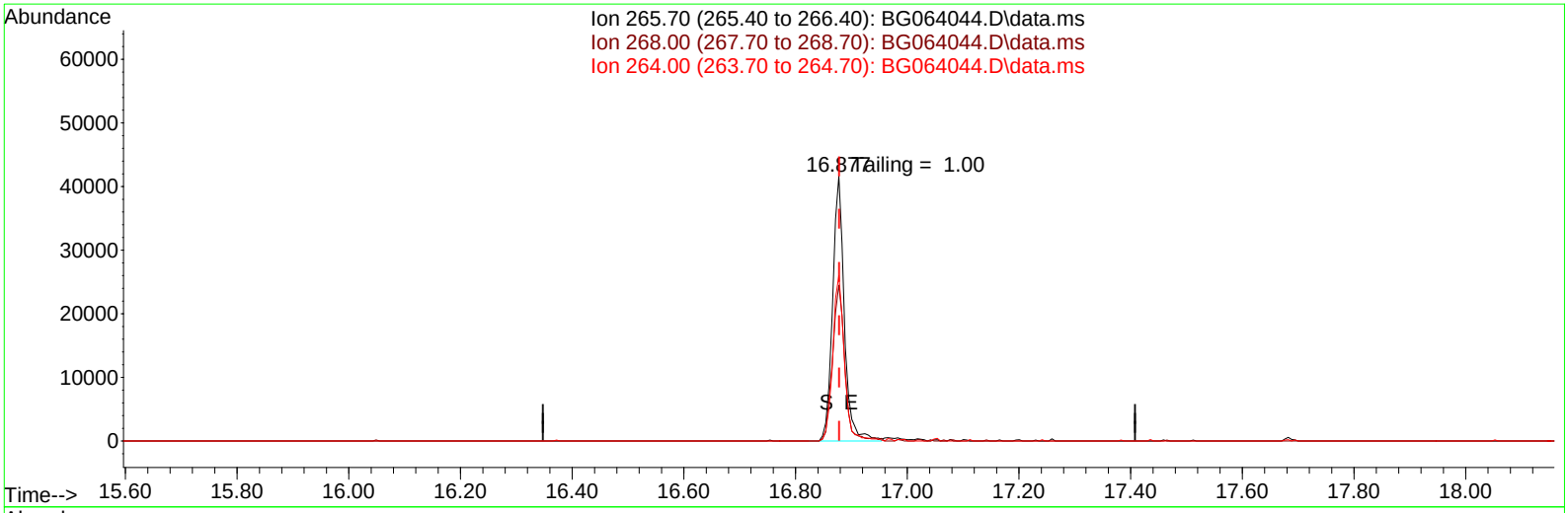
Instrument :
BNA_G
ClientSampleId :
DFTPP

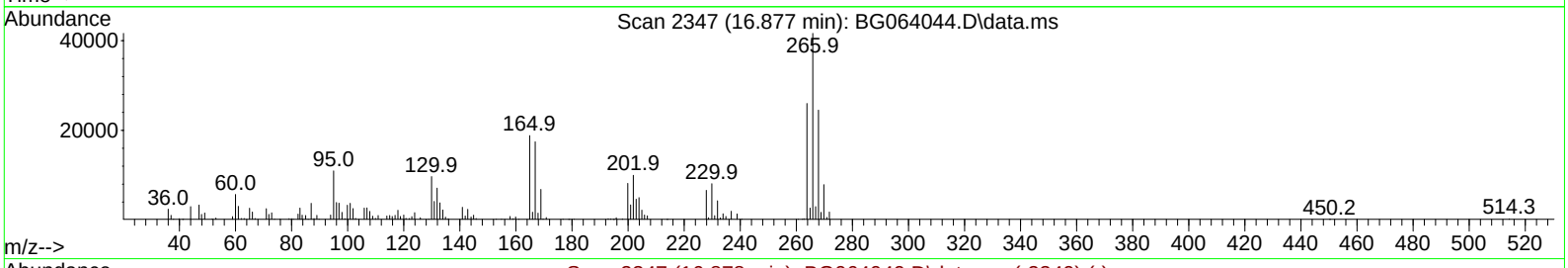
Sample Results: **BG064044.D**

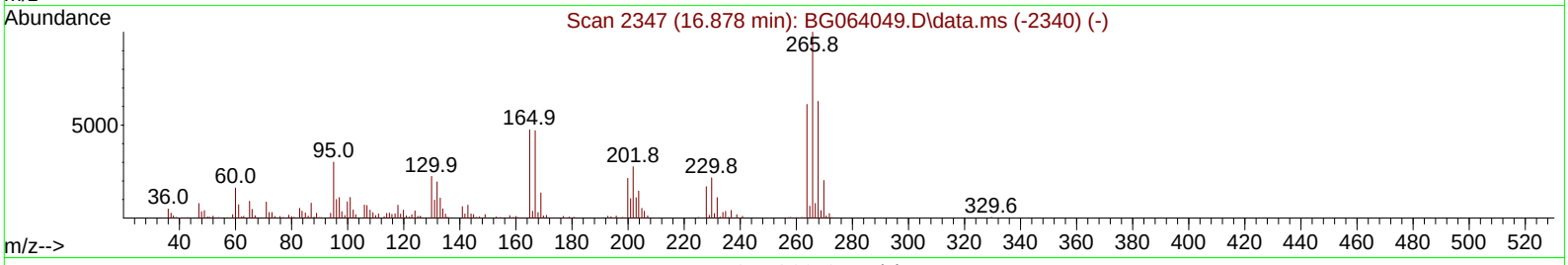
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064044.D
Acq On : 5 Mar 2025 8:15
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Mar 05 15:40:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration







TIC: BG064044.D\data.ms

(70) Pentachlorophenol (C)

16.877min (-0.001) 14067.66 ng

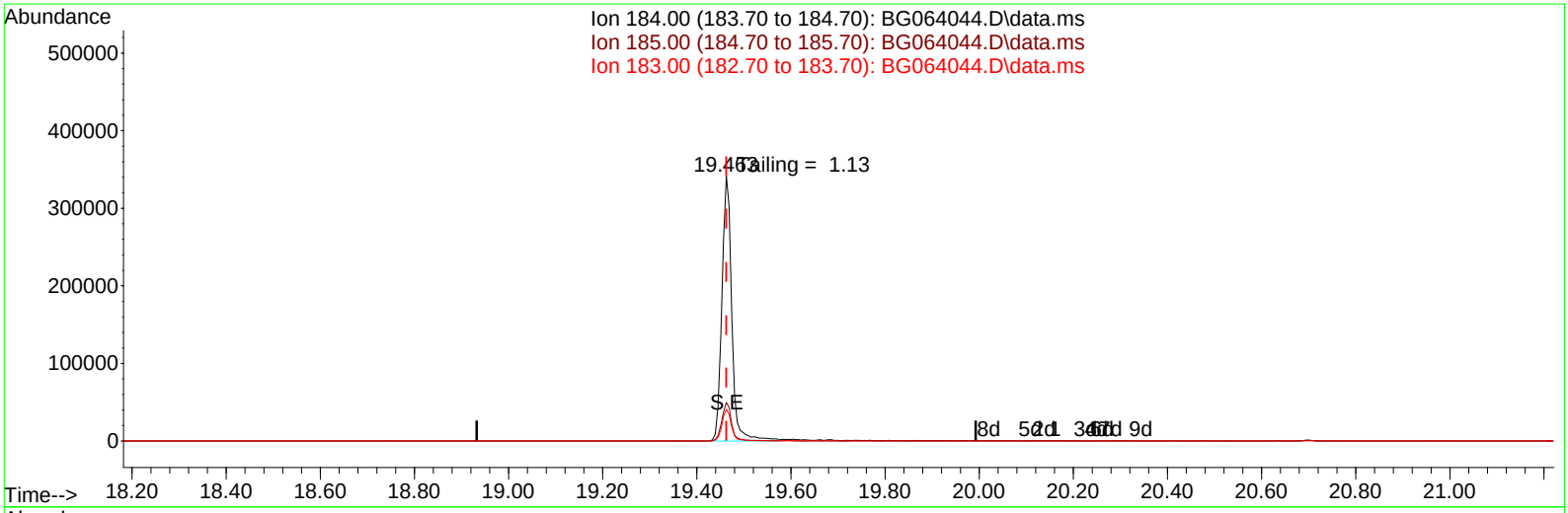
response 60892

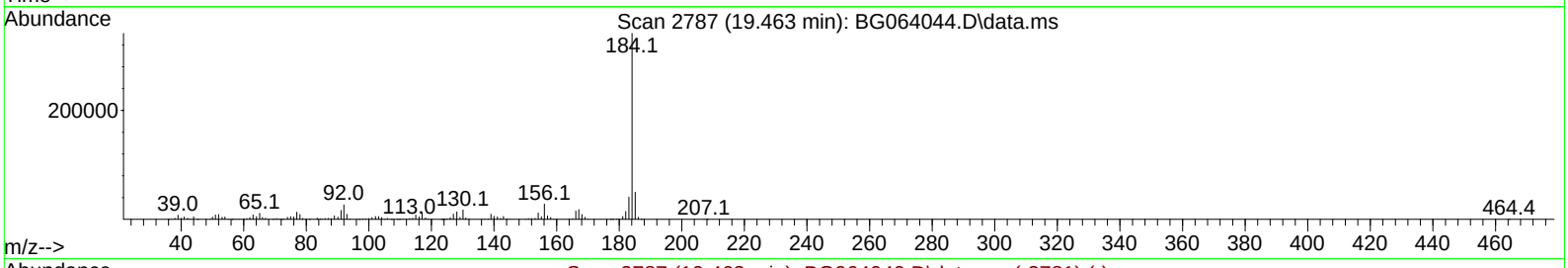
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.80	58.85
264.00	61.10	62.43
0.00	0.00	0.00

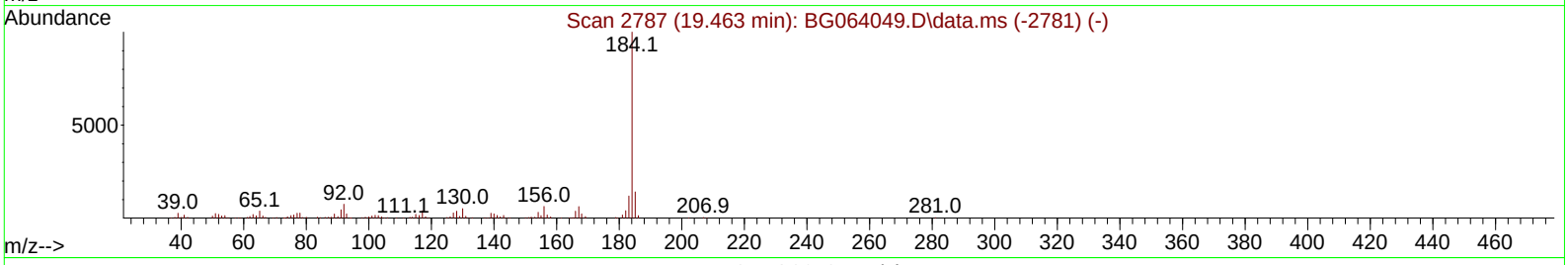
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030525\
Data File : BG064044.D
Acq On : 5 Mar 2025 8:15
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Mar 05 15:40:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration







TIC: BG064044.D\data.ms

(77) Benzidine

19.463min (-0.000) 687177.88 ng m

response 523350

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.10	14.57
183.00	11.90	11.97
0.00	0.00	0.00

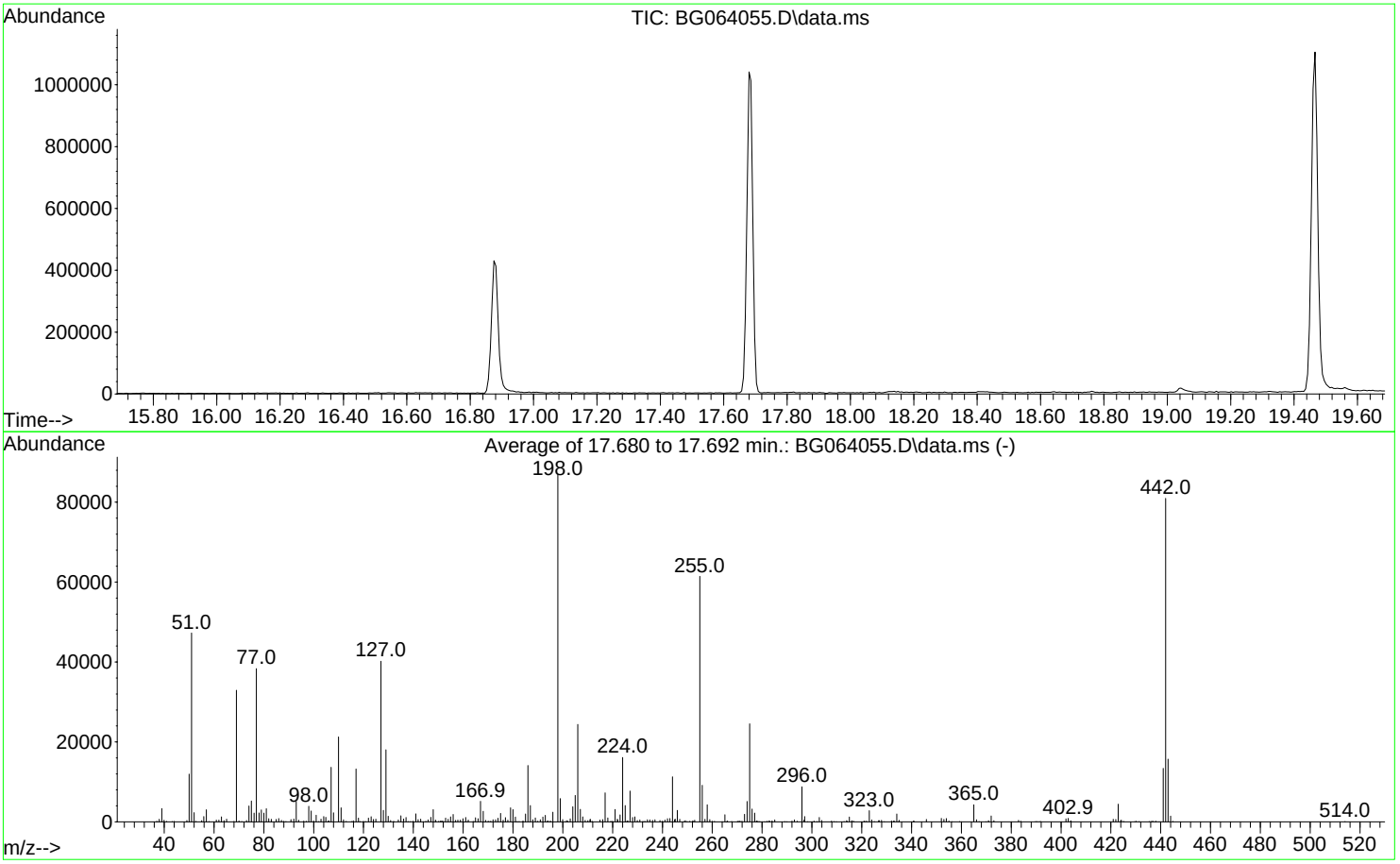
Sample Results: **BG064055.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064055.D
Acq On : 7 Mar 2025 12:15
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Mar 05 15:39:19 2025



AutoFind: Scans 2483, 2484, 2485; 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	54.4	47256	PASS
68	69	0.00	2	0.4	135	PASS
69	198	0.00	100	37.9	32949	PASS
70	69	0.00	2	0.7	228	PASS
127	198	10	80	46.2	40187	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	86939	PASS
199	198	5	9	6.7	5811	PASS
275	198	10	60	28.2	24555	PASS
365	198	1	100	4.9	4267	PASS
441	198	0.01	100	15.4	13386	PASS
442	442	50	100	100.0	80960	PASS
443	442	15	24	19.4	15696	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
3/7/2025	BNA_G	BG064055.D
Compound Name	**Response**	**Retention Time**
DDT	224456	20.7
DDD	6821	20.259
DDE	122	19.754
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
6943	231399	3.00

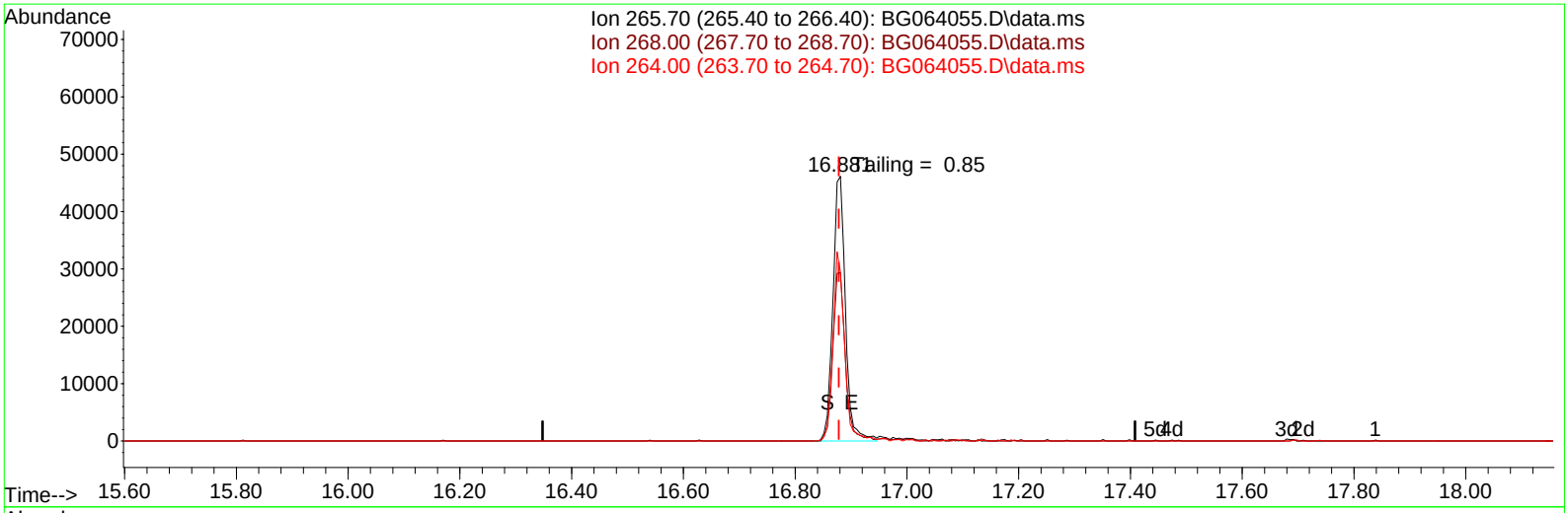
Instrument :
BNA_G
ClientSampleId :
DFTPP

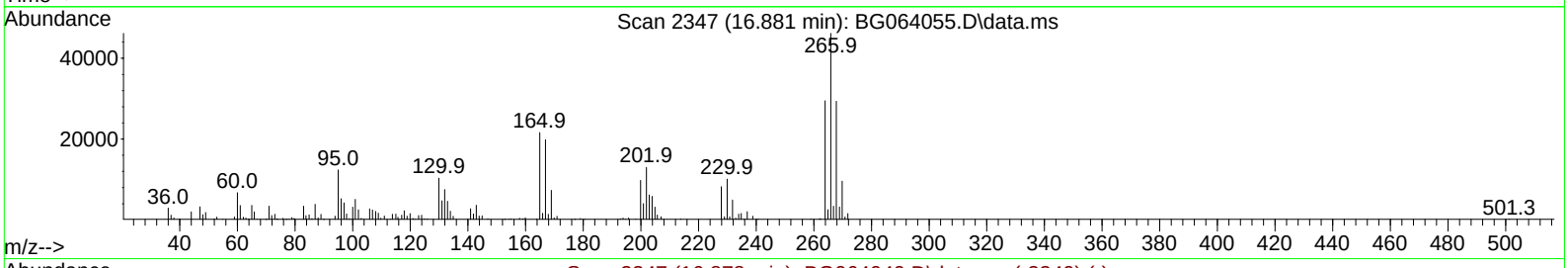
Sample Results: **BG064055.D**

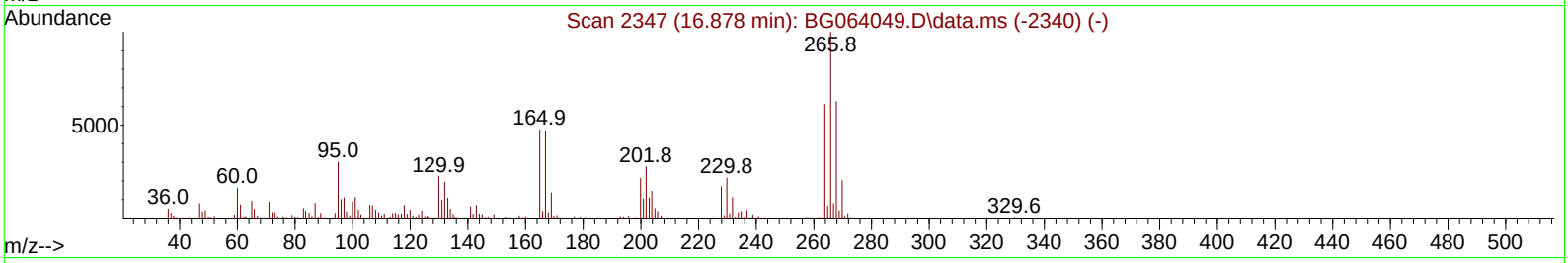
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064055.D
Acq On : 7 Mar 2025 12:15
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Mar 07 14:17:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration







TIC: BG064055.D\data.ms

(70) Pentachlorophenol (C)

16.881min (+ 0.003) 140577.90 ng m

response 74060

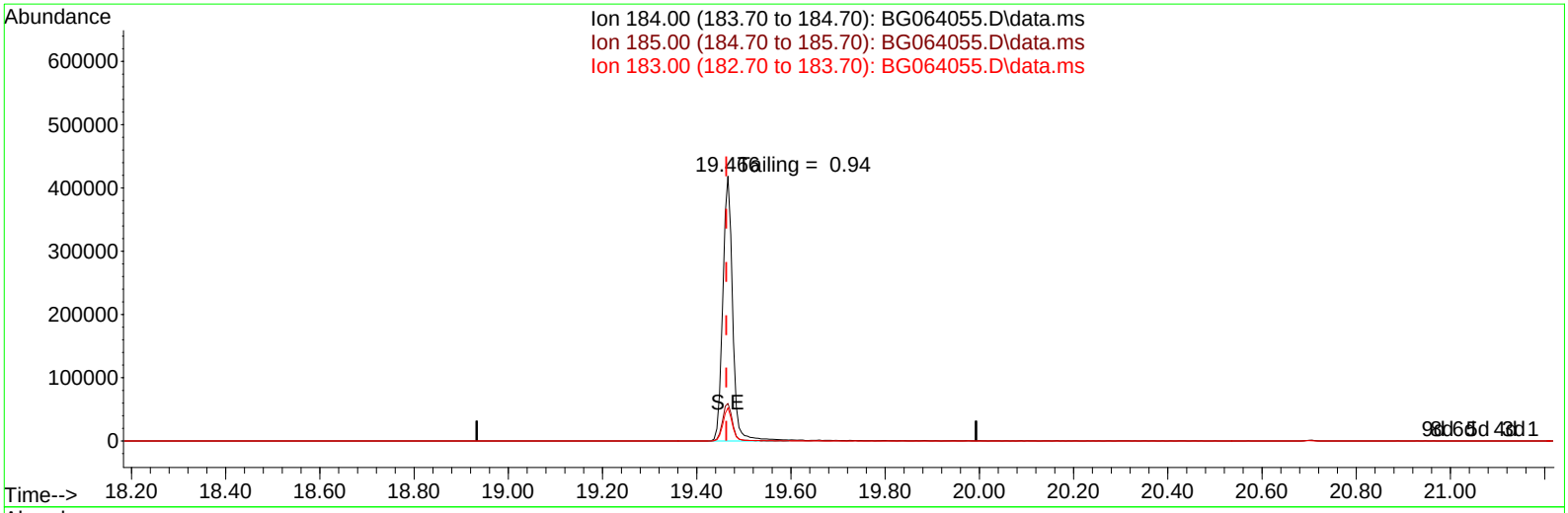
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.80	63.59
264.00	61.10	63.88
0.00	0.00	0.00

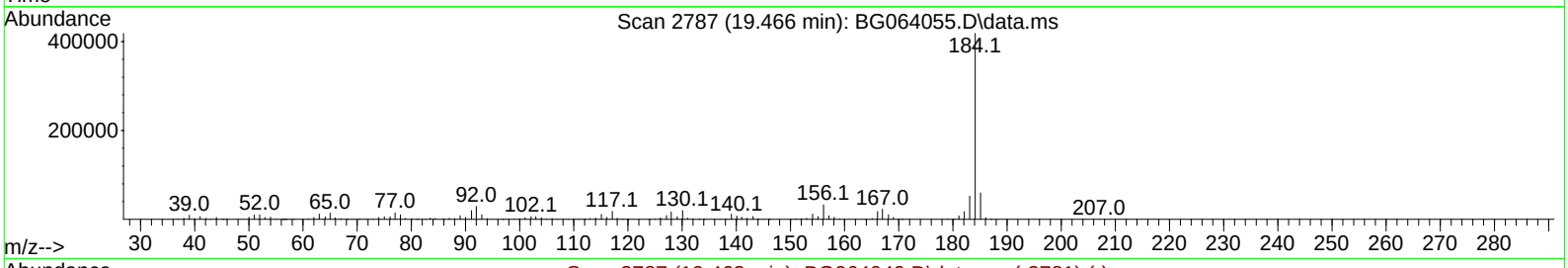
Sample Results: **BG064055.D**

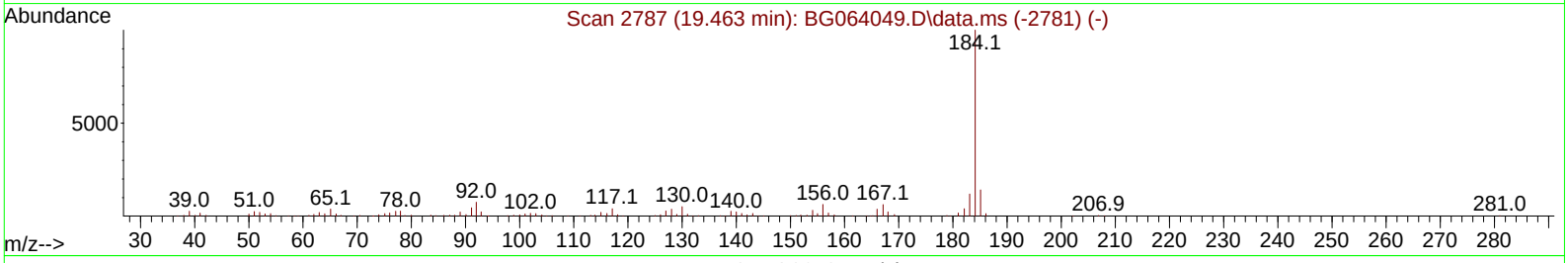
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064055.D
Acq On : 7 Mar 2025 12:15
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Mar 07 14:17:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration







TIC: BG064055.D\data.ms

(77) Benzidine

19.466min (+ 0.003) 780316.23 ng m

response 626699

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.10	14.22
183.00	11.90	12.55
0.00	0.00	0.00

Raw Data: **BG064059.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167027BL	SDG No.:	Q1514
Lab Sample ID:	PB167027BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064059.D	1	03/07/25 08:24	03/07/25 14:58	PB167027

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	4.00	U	4.00	10.0	ug/L
108-95-2	Phenol	0.93	U	0.93	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.20	U	1.20	5.00	ug/L
95-57-8	2-Chlorophenol	0.71	U	0.71	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.40	U	1.40	5.00	ug/L
98-86-2	Acetophenone	1.10	U	1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.20	U	1.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.50	U	1.50	2.50	ug/L
67-72-1	Hexachloroethane	1.00	U	1.00	5.00	ug/L
98-95-3	Nitrobenzene	1.30	U	1.30	5.00	ug/L
78-59-1	Isophorone	1.10	U	1.10	5.00	ug/L
88-75-5	2-Nitrophenol	2.00	U	2.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	1.50	U	1.50	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1.00	U	1.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	0.88	U	0.88	5.00	ug/L
91-20-3	Naphthalene	1.00	U	1.00	5.00	ug/L
106-47-8	4-Chloroaniline	1.30	U	1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	1.30	U	1.30	5.00	ug/L
105-60-2	Caprolactam	1.70	U	1.70	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	0.84	U	0.84	5.00	ug/L
91-57-6	2-Methylnaphthalene	1.10	U	1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	5.00	U	5.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	1.00	U	1.00	5.00	ug/L
92-52-4	1,1-Biphenyl	0.91	U	0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	0.97	U	0.97	5.00	ug/L
88-74-4	2-Nitroaniline	1.40	U	1.40	5.00	ug/L
131-11-3	Dimethylphthalate	0.93	U	0.93	5.00	ug/L

Raw Data: **BG064059.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167027BL	SDG No.:	Q1514
Lab Sample ID:	PB167027BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064059.D	1	03/07/25 08:24	03/07/25 14:58	PB167027

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	1.00	U	1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
99-09-2	3-Nitroaniline	1.40	U	1.40	5.00	ug/L
83-32-9	Acenaphthene	0.81	U	0.81	5.00	ug/L
51-28-5	2,4-Dinitrophenol	6.40	U	6.40	10.0	ug/L
100-02-7	4-Nitrophenol	2.00	U	2.00	10.0	ug/L
132-64-9	Dibenzofuran	0.93	U	0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.50	U	1.50	5.00	ug/L
84-66-2	Diethylphthalate	1.00	U	1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.98	U	0.98	5.00	ug/L
86-73-7	Fluorene	0.96	U	0.96	5.00	ug/L
100-01-6	4-Nitroaniline	2.00	U	2.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.10	U	3.10	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	0.89	U	0.89	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	0.95	U	0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	1.10	U	1.10	5.00	ug/L
1912-24-9	Atrazine	1.30	U	1.30	5.00	ug/L
87-86-5	Pentachlorophenol	1.90	U	1.90	10.0	ug/L
85-01-8	Phenanthrene	0.89	U	0.89	5.00	ug/L
120-12-7	Anthracene	1.10	U	1.10	5.00	ug/L
86-74-8	Carbazole	1.20	U	1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	1.50	U	1.50	5.00	ug/L
206-44-0	Fluoranthene	1.30	U	1.30	5.00	ug/L
129-00-0	Pyrene	1.10	U	1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	2.10	U	2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	1.30	U	1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	0.94	U	0.94	5.00	ug/L
218-01-9	Chrysene	0.86	U	0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.90	U	1.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	2.50	U	2.50	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	1.10	U	1.10	5.00	ug/L

Raw Data: **BG064059.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167027BL	SDG No.:	Q1514
Lab Sample ID:	PB167027BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064059.D	1	03/07/25 08:24	03/07/25 14:58	PB167027

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	1.20	U	1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	1.70	U	1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1.00	U	1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.20	U	1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	1.20	U	1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.10	U	1.10	5.00	ug/L
123-91-1	1,4-Dioxane	1.30	U	1.30	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.79	U	0.79	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	142		15 (10) - 110 (139)	95%	SPK: 150
13127-88-3	Phenol-d6	136		15 (10) - 110 (134)	90%	SPK: 150
4165-60-0	Nitrobenzene-d5	95.9		30 (49) - 130 (133)	96%	SPK: 100
321-60-8	2-Fluorobiphenyl	88.6		30 (52) - 130 (132)	89%	SPK: 100
118-79-6	2,4,6-Tribromophenol	145		15 (44) - 110 (137)	97%	SPK: 150
1718-51-0	Terphenyl-d14	92.7		30 (48) - 130 (125)	93%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	31900	7.867			
1146-65-2	Naphthalene-d8	141000	10.652			
15067-26-2	Acenaphthene-d10	98000	14.488			
1517-22-2	Phenanthrene-d10	247000	17.226			
1719-03-5	Chrysene-d12	261000	21.457			
1520-96-3	Perylene-d12	266000	24.477			

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

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

Sample Results: **BG064059.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064059.D
Acq On : 7 Mar 2025 14:58
Operator : RC/JU
Sample : PB167027BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB167027BL

Quant Time: Mar 07 15:49:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

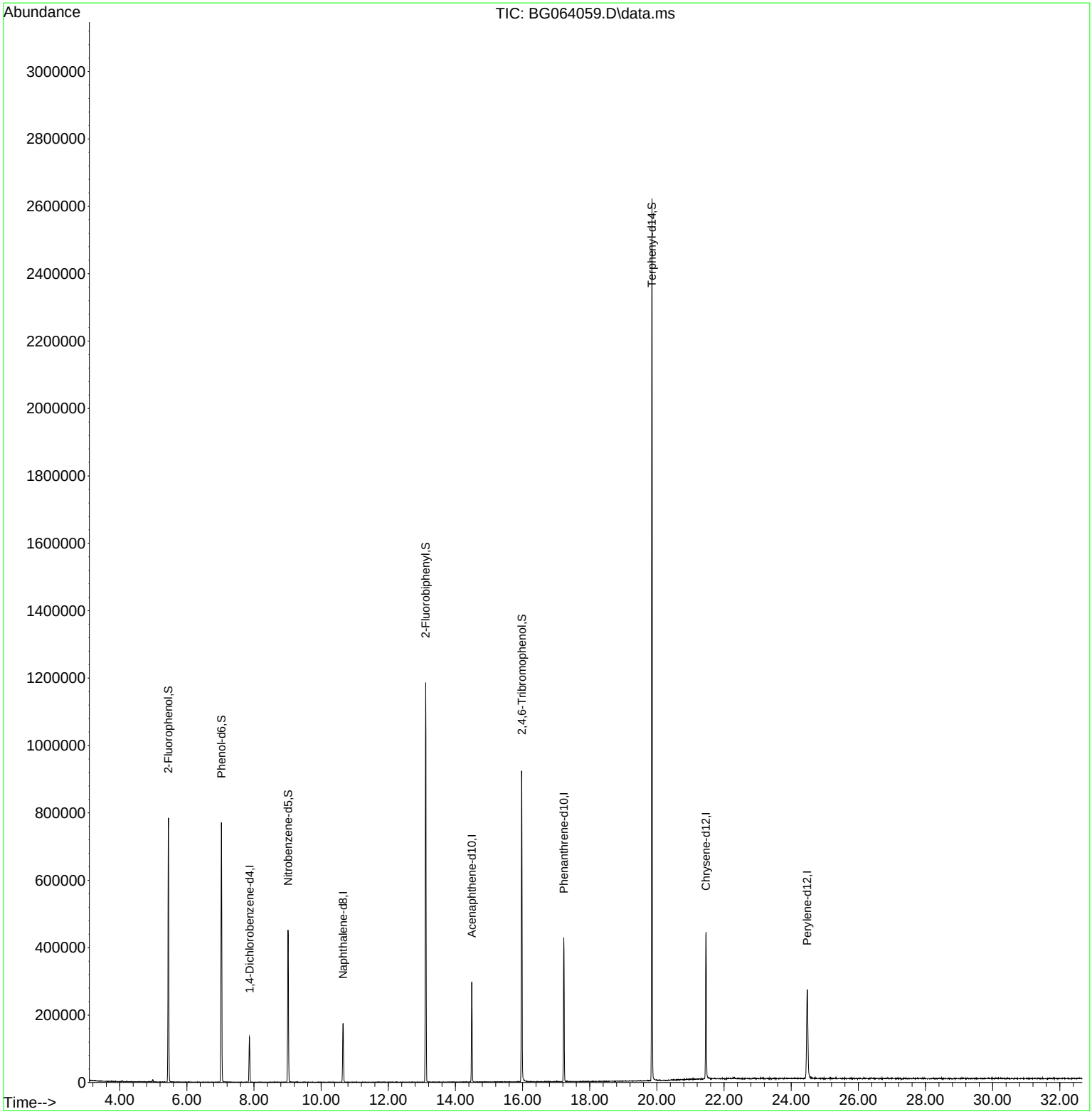
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.867	152	31906	20.000	ng	# 0.00
21) Naphthalene-d8	10.652	136	141288	20.000	ng	0.00
39) Acenaphthene-d10	14.488	164	97981	20.000	ng	0.00
64) Phenanthrene-d10	17.226	188	246502	20.000	ng	0.00
76) Chrysene-d12	21.457	240	261251	20.000	ng	0.00
86) Perylene-d12	24.477	264	265918	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.452	112	290016	141.931	ng	0.00
7) Phenol-d6	7.027	99	377339	135.745	ng	0.00
23) Nitrobenzene-d5	9.013	82	245156	95.888	ng	0.00
42) 2,4,6-Tribromophenol	15.975	330	158322	145.366	ng	0.00
45) 2-Fluorobiphenyl	13.114	172	572019	88.615	ng	0.00
79) Terphenyl-d14	19.853	244	1197853	92.710	ng	0.00
Target Compounds						Qvalue

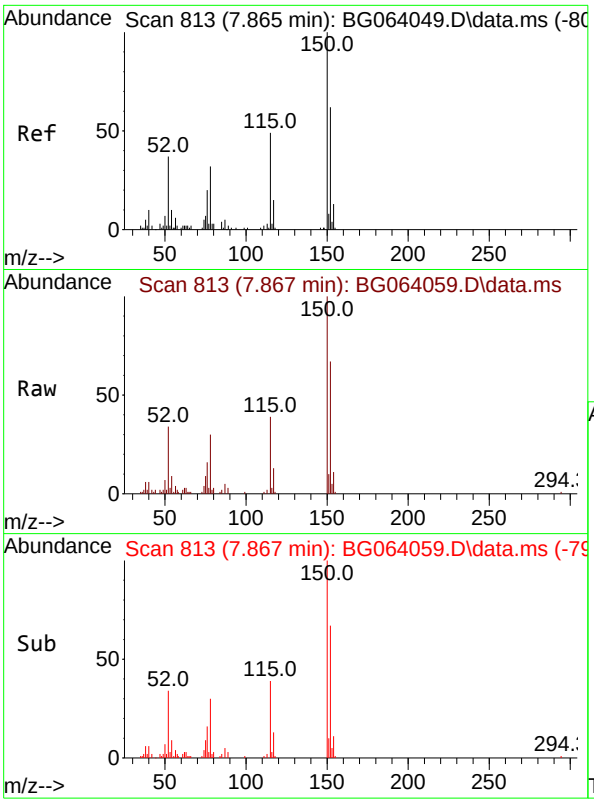
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064059.D
Acq On : 7 Mar 2025 14:58
Operator : RC/JU
Sample : PB167027BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB167027BL

Quant Time: Mar 07 15:49:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration



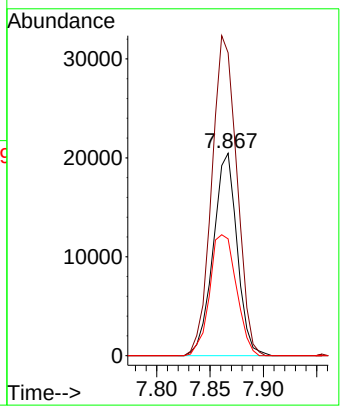


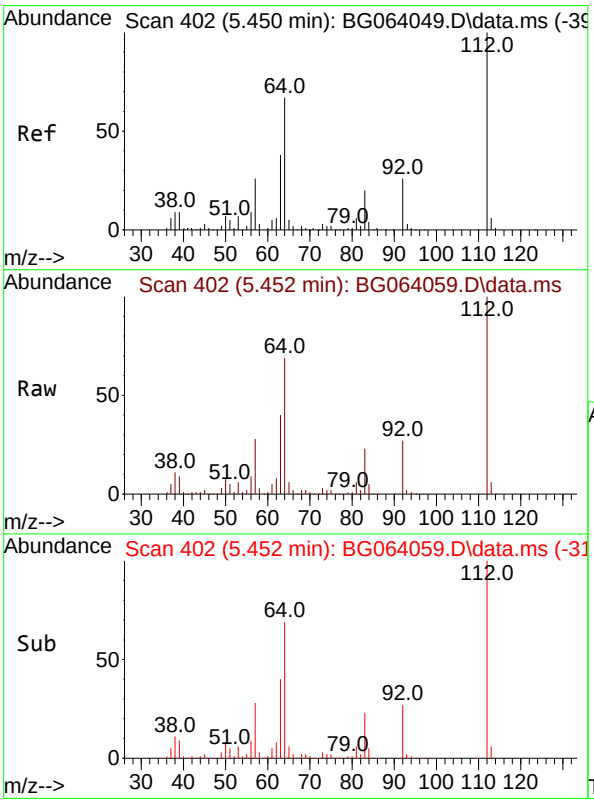
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.867 min Scan# 81
Delta R.T. 0.002 min
Lab File: BG064059.D
Acq: 7 Mar 2025 14:58

Instrument :
BNA_G
ClientSampleId :
PB167027BL

Tgt Ion:152 Resp: 31906

Ion	Ratio	Lower	Upper
152	100		
150	149.6	129.2	193.8
115	57.7	63.0	94.6#

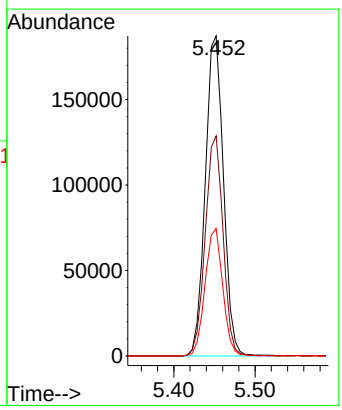


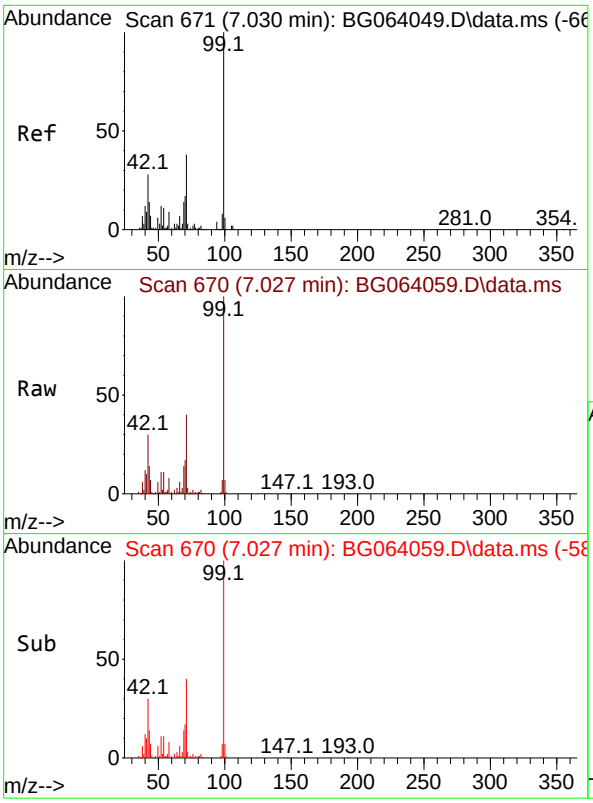


#5
2-Fluorophenol
Concen: 141.931 ng
RT: 5.452 min Scan# 402
Delta R.T. 0.002 min
Lab File: BG064059.D
Acq: 7 Mar 2025 14:58

Tgt Ion:112 Resp: 290016

Ion	Ratio	Lower	Upper
112	100		
64	68.8	53.7	80.5
63	39.9	30.2	45.4



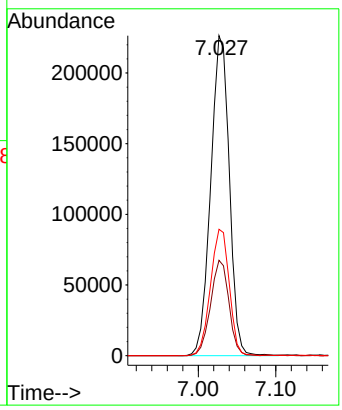


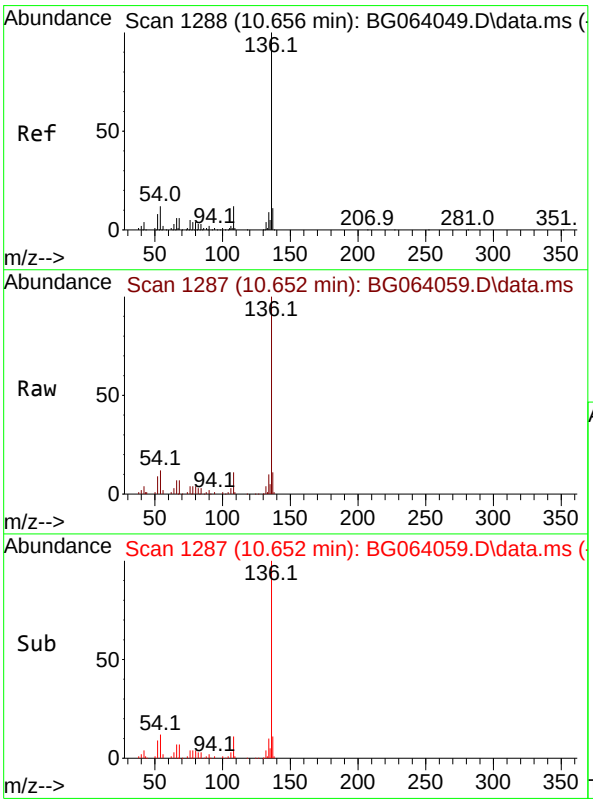
#7
Phenol-d6
Concen: 135.745 ng
RT: 7.027 min Scan# 6
Delta R.T. -0.004 min
Lab File: BG064059.D
Acq: 7 Mar 2025 14:58

Instrument :
BNA_G
ClientSampleId :
PB167027BL

Tgt Ion: 99 Resp: 377339

Ion	Ratio	Lower	Upper
99	100		
42	29.8	22.7	34.1
71	39.5	30.6	46.0

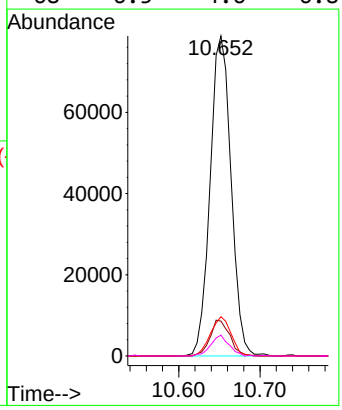


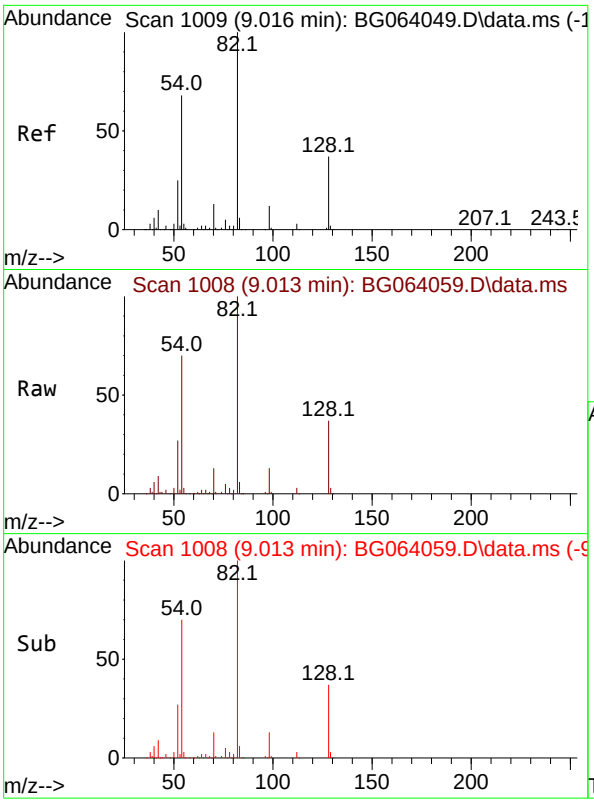


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.652 min Scan# 1287
Delta R.T. -0.004 min
Lab File: BG064059.D
Acq: 7 Mar 2025 14:58

Tgt Ion:136 Resp: 141288

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	12.2	9.9	14.9
68	6.5	4.6	6.8



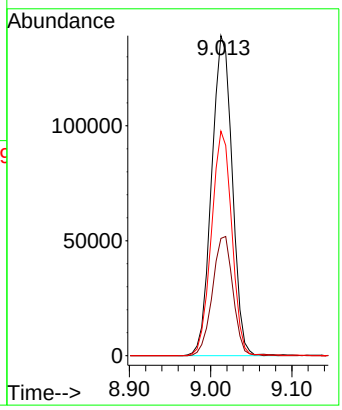


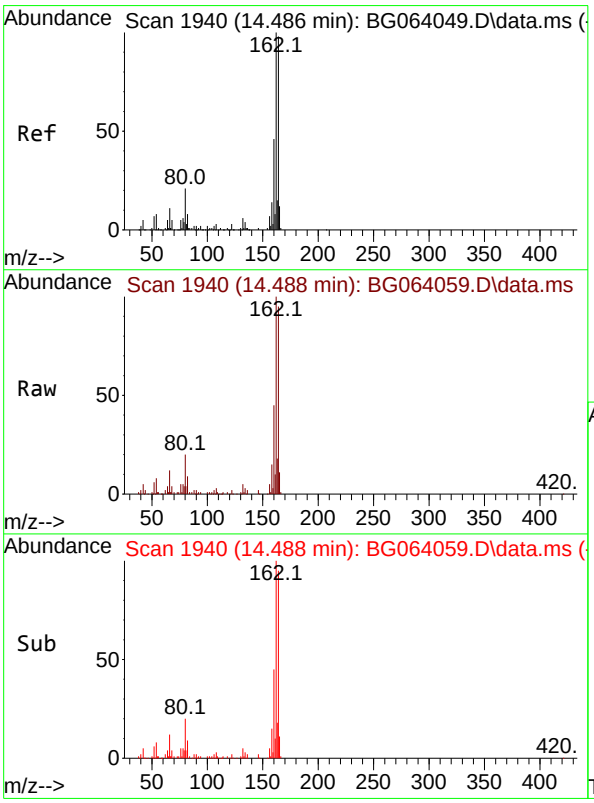
#23
Nitrobenzene-d5
Concen: 95.888 ng
RT: 9.013 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064059.D
Acq: 7 Mar 2025 14:58

Instrument :
BNA_G
ClientSampleId :
PB167027BL

Tgt Ion: 82 Resp: 245156

Ion	Ratio	Lower	Upper
82	100		
128	36.6	30.0	45.0
54	70.2	54.7	82.1

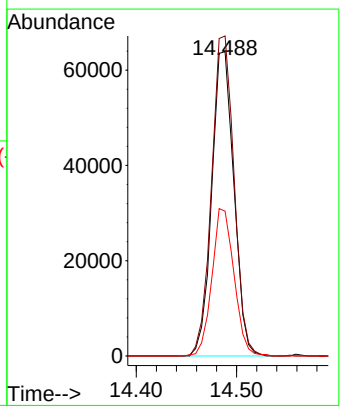


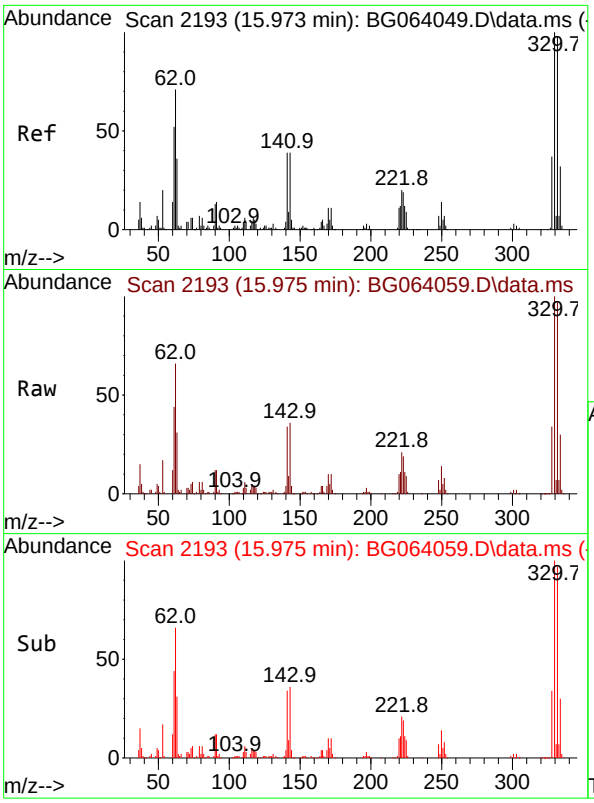


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.488 min Scan# 1940
Delta R.T. 0.002 min
Lab File: BG064059.D
Acq: 7 Mar 2025 14:58

Tgt Ion:164 Resp: 97981

Ion	Ratio	Lower	Upper
164	100		
162	105.2	81.4	122.0
160	47.6	37.0	55.6



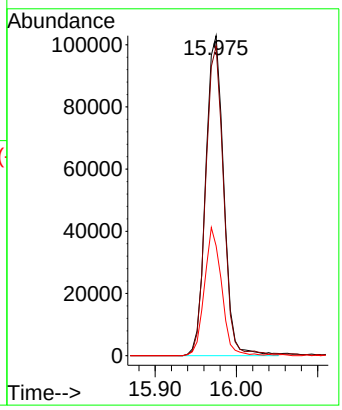


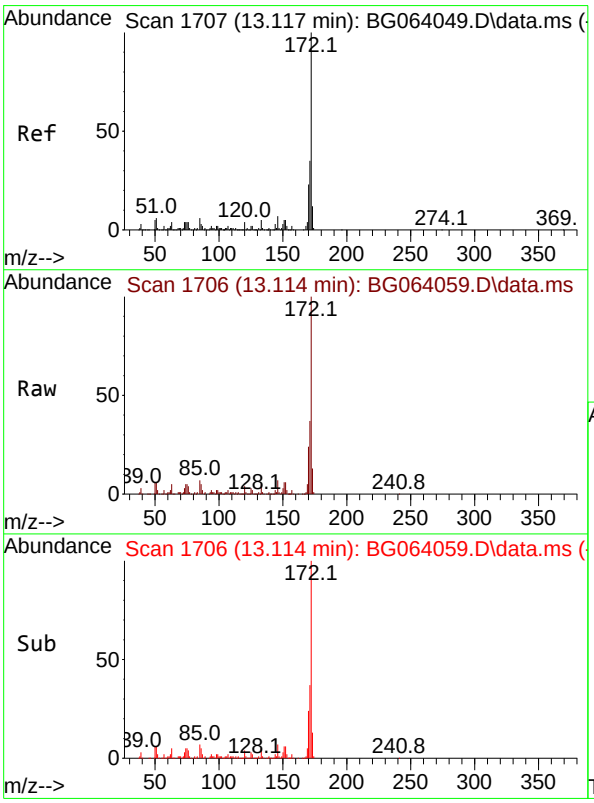
#42
2,4,6-Tribromophenol
Concen: 145.366 ng
RT: 15.975 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG064059.D
Acq: 7 Mar 2025 14:58

Instrument :
BNA_G
ClientSampleId :
PB167027BL

Tgt Ion:330 Resp: 158322

Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.7	115.1
141	38.0	29.7	44.5

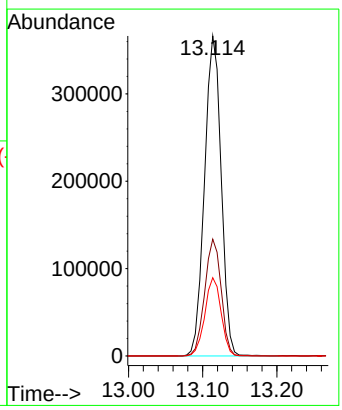


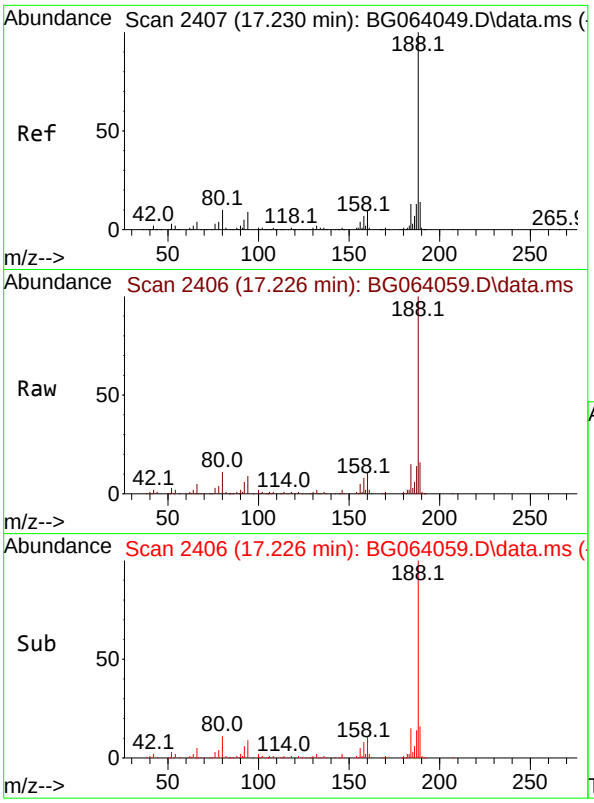


#45
2-Fluorobiphenyl
Concen: 88.615 ng
RT: 13.114 min Scan# 1706
Delta R.T. -0.004 min
Lab File: BG064059.D
Acq: 7 Mar 2025 14:58

Tgt Ion:172 Resp: 572019

Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.0	42.0
170	24.5	18.7	28.1



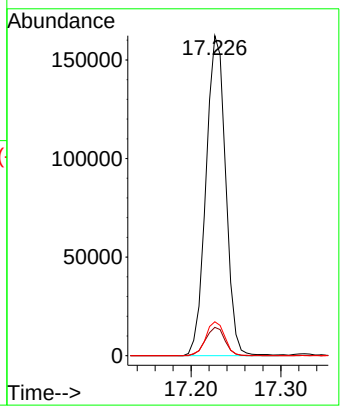


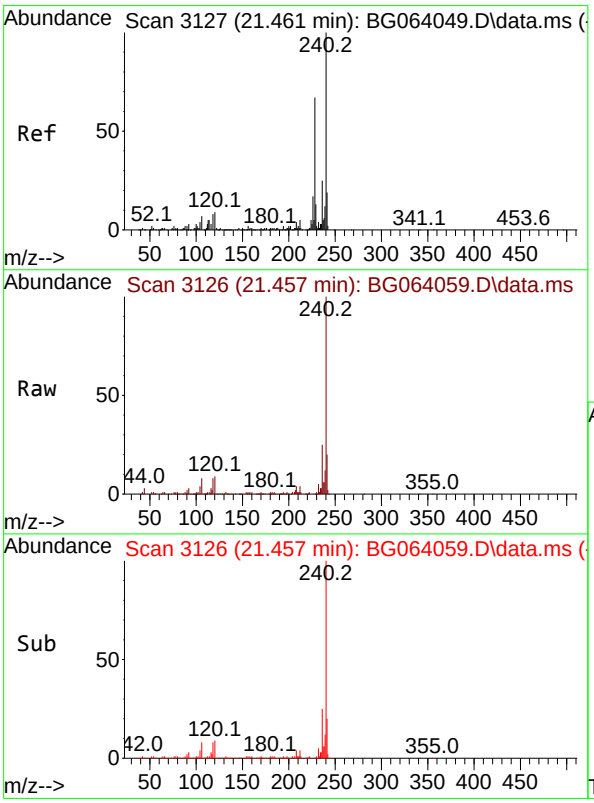
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.226 min Scan# 24
Delta R.T. -0.004 min
Lab File: BG064059.D
Acq: 7 Mar 2025 14:58

Instrument :
BNA_G
ClientSampleId :
PB167027BL

Tgt Ion:188 Resp: 246502

Ion	Ratio	Lower	Upper
188	100		
94	8.8	6.9	10.3
80	10.6	8.1	12.1

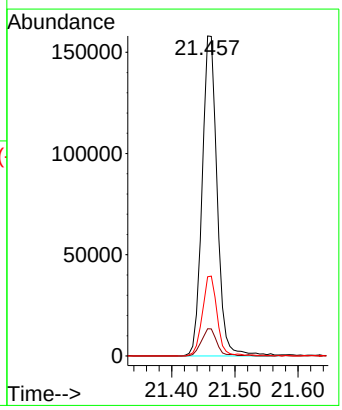


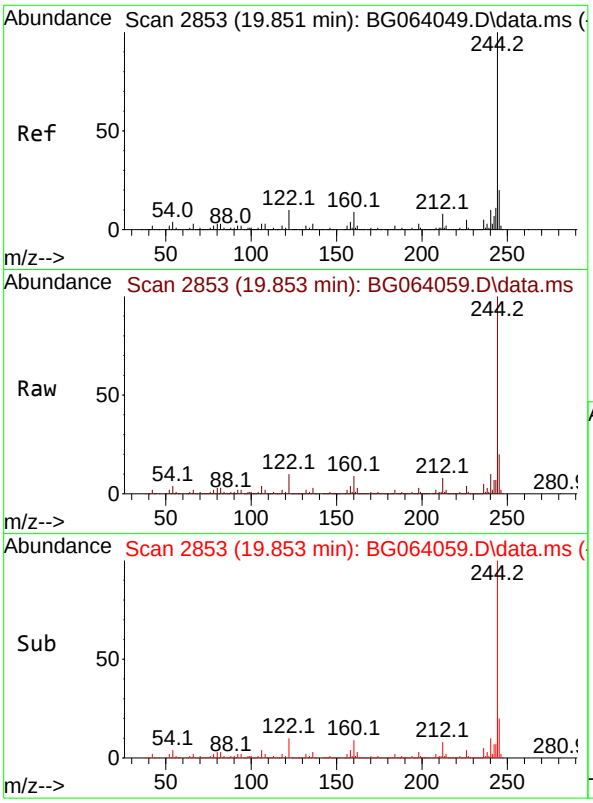


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.457 min Scan# 3126
Delta R.T. -0.004 min
Lab File: BG064059.D
Acq: 7 Mar 2025 14:58

Tgt Ion:240 Resp: 261251

Ion	Ratio	Lower	Upper
240	100		
120	8.5	7.2	10.8
236	24.8	20.2	30.2



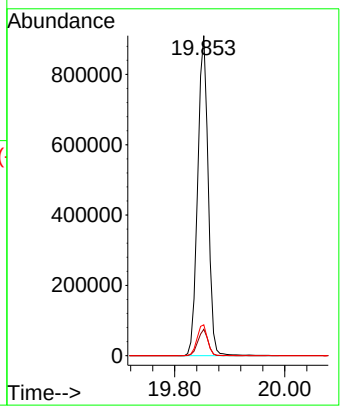


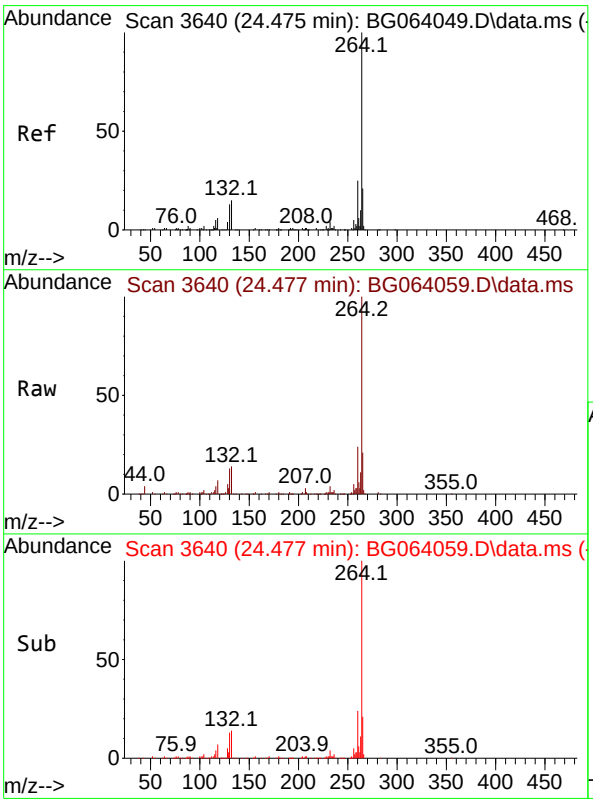
#79
Terphenyl-d14
Concen: 92.710 ng
RT: 19.853 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064059.D
Acq: 7 Mar 2025 14:58

Instrument :
BNA_G
ClientSampleId :
PB167027BL

Tgt Ion:244 Resp: 1197853

Ion	Ratio	Lower	Upper
244	100		
212	8.3	6.2	9.4
122	9.7	8.0	12.0

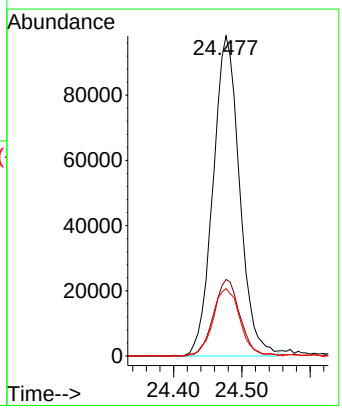




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.477 min Scan# 3640
Delta R.T. 0.002 min
Lab File: BG064059.D
Acq: 7 Mar 2025 14:58

Tgt Ion:264 Resp: 265918

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.6	29.4
265	21.0	16.6	25.0



LSC Area Percent Report

Sample Results: **BG064059.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064059.D
Acq On : 7 Mar 2025 14:58
Operator : RC/JU
Sample : PB167027BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB167027BL

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG064059.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.452	394	402	411	rBV	784129	1201479	35.30%	9.245%
2	7.027	661	670	679	rBV	770741	1299404	38.18%	9.999%
3	7.861	805	812	819	rBV	134110	224928	6.61%	1.731%
4	9.013	999	1008	1019	rBV	452759	800678	23.53%	6.161%
5	10.652	1281	1287	1294	rBV	174439	312496	9.18%	2.405%
6	13.114	1699	1706	1713	rBV	1184922	1817479	53.40%	13.986%
7	14.488	1933	1940	1949	rBV	297271	455000	13.37%	3.501%
8	15.969	2185	2192	2205	rBV	923277	1435902	42.19%	11.049%
9	17.226	2400	2406	2413	rBV	427548	629184	18.49%	4.842%
10	19.853	2847	2853	2864	rBV	2616715	3403364	100.00%	26.189%
11	21.463	3120	3127	3136	rBV	434185	704730	20.71%	5.423%
12	24.477	3630	3640	3653	rBV2	263186	710669	20.88%	5.469%

Sum of corrected areas: 12995313

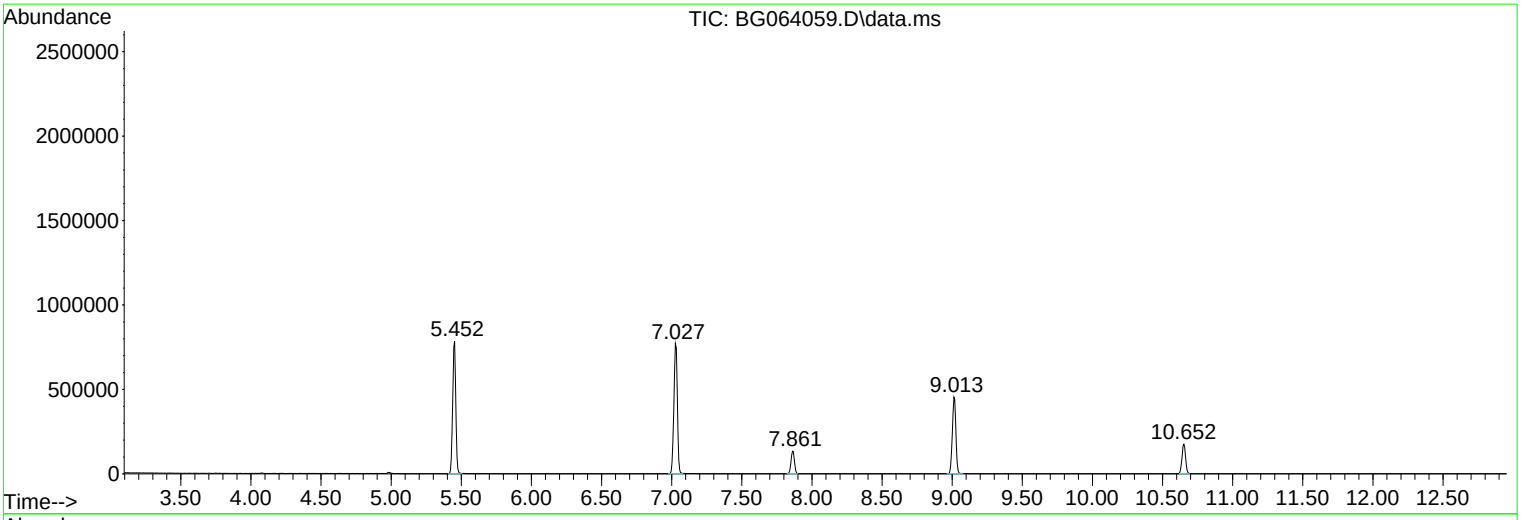
Sample Results: **BG064059.D**

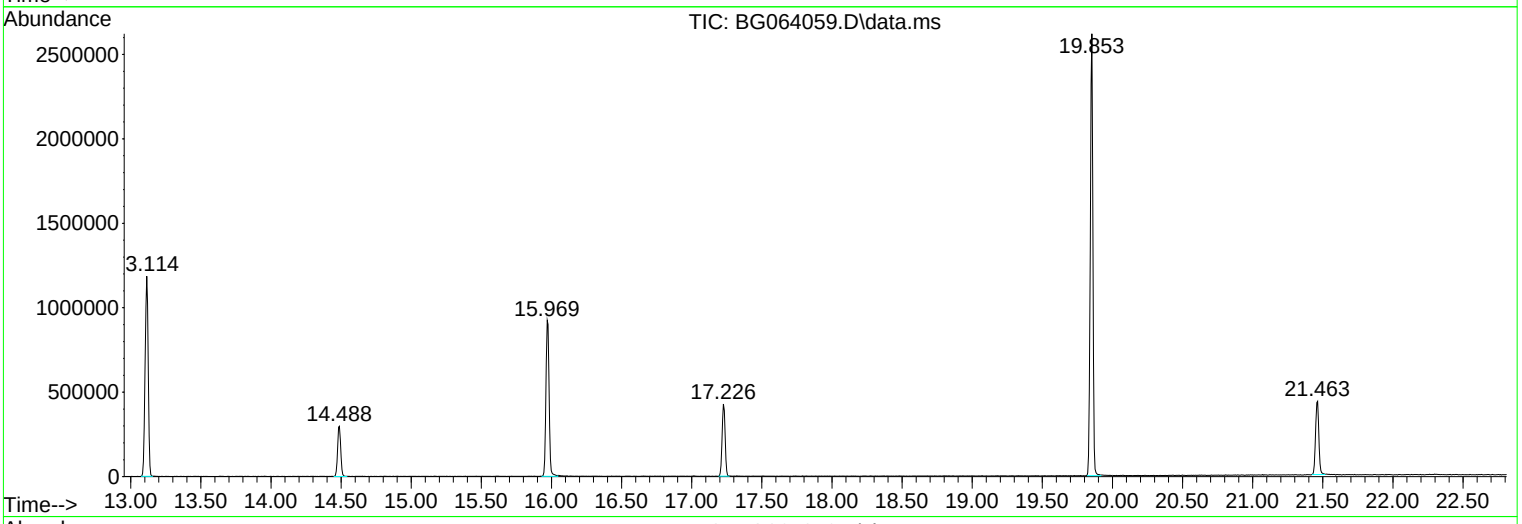
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064059.D
Acq On : 7 Mar 2025 14:58
Operator : RC/JU
Sample : PB167027BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

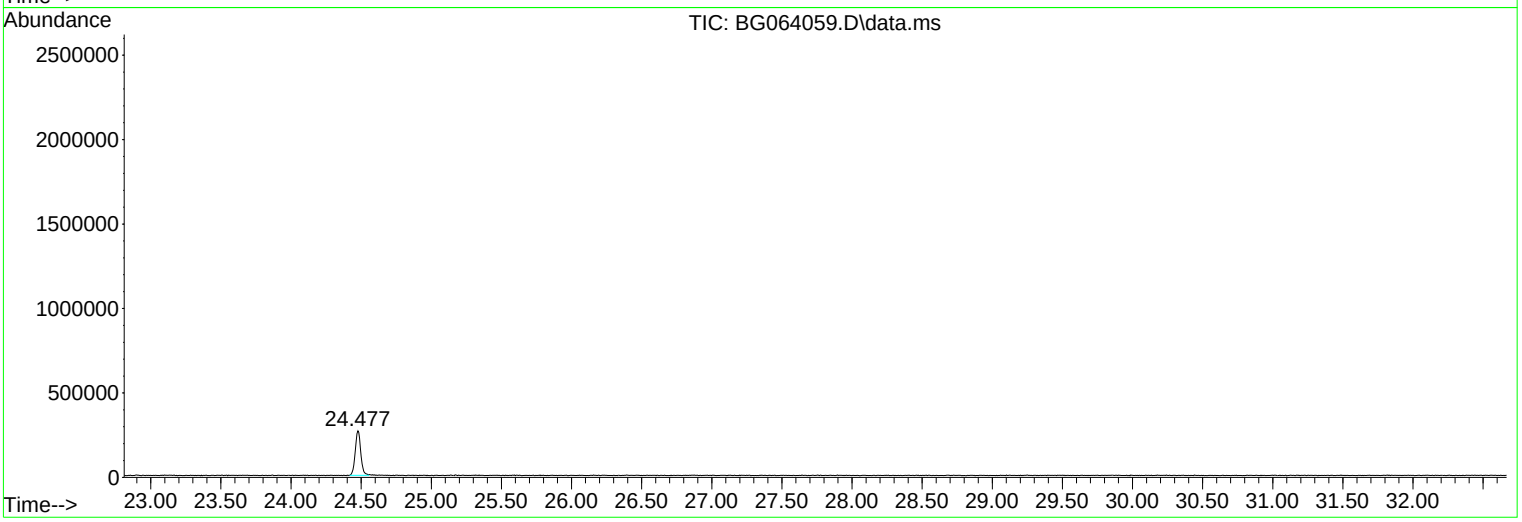
Instrument :
BNA_G
ClientSampleId :
PB167027BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Library Search Compound Report

Sample Results: **BG064059.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064059.D
Acq On : 7 Mar 2025 14:58
Operator : RC/JU
Sample : PB167027BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB167027BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

No Library Search Compounds Detected
****

Sample Results: **BG064059.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064059.D
Acq On : 7 Mar 2025 14:58
Operator : RC/JU
Sample : PB167027BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB167027BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Raw Data: **BG064057.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167031BL	SDG No.:	Q1514
Lab Sample ID:	PB167031BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064057.D	1	03/07/25 08:55	03/07/25 13:37	PB167031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	U	180	330	ug/Kg
108-95-2	Phenol	82.8	U	82.8	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	83.6	U	83.6	170	ug/Kg
95-57-8	2-Chlorophenol	83.4	U	83.4	170	ug/Kg
95-48-7	2-Methylphenol	80.5	U	80.5	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	90.8	U	90.8	170	ug/Kg
98-86-2	Acetophenone	86.8	U	86.8	170	ug/Kg
65794-96-9	3+4-Methylphenols	79.7	U	79.7	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.3	U	40.3	79.9	ug/Kg
67-72-1	Hexachloroethane	82.9	U	82.9	170	ug/Kg
98-95-3	Nitrobenzene	90.7	U	90.7	170	ug/Kg
78-59-1	Isophorone	84.5	U	84.5	170	ug/Kg
88-75-5	2-Nitrophenol	94.4	U	94.4	170	ug/Kg
105-67-9	2,4-Dimethylphenol	93.1	U	93.1	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	85.7	U	85.7	170	ug/Kg
120-83-2	2,4-Dichlorophenol	75.4	U	75.4	170	ug/Kg
91-20-3	Naphthalene	82.5	U	82.5	170	ug/Kg
106-47-8	4-Chloroaniline	82.5	U	82.5	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.2	U	83.2	170	ug/Kg
105-60-2	Caprolactam	86.7	U	86.7	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.4	U	77.4	170	ug/Kg
91-57-6	2-Methylnaphthalene	82.4	U	82.4	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.4	U	71.4	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	74.0	U	74.0	170	ug/Kg
92-52-4	1,1-Biphenyl	87.3	U	87.3	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.2	U	83.2	170	ug/Kg
88-74-4	2-Nitroaniline	94.9	U	94.9	170	ug/Kg
131-11-3	Dimethylphthalate	81.6	U	81.6	170	ug/Kg

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167031BL	SDG No.:	Q1514
Lab Sample ID:	PB167031BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064057.D	1	03/07/25 08:55	03/07/25 13:37	PB167031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	86.4	U	86.4	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.1	U	83.1	170	ug/Kg
99-09-2	3-Nitroaniline	89.1	U	89.1	170	ug/Kg
83-32-9	Acenaphthene	81.0	U	81.0	170	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	330	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	330	ug/Kg
132-64-9	Dibenzofuran	84.3	U	84.3	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	86.1	U	86.1	170	ug/Kg
84-66-2	Diethylphthalate	80.0	U	80.0	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	85.5	U	85.5	170	ug/Kg
86-73-7	Fluorene	85.4	U	85.4	170	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	81.5	U	81.5	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	78.8	U	78.8	170	ug/Kg
118-74-1	Hexachlorobenzene	84.9	U	84.9	170	ug/Kg
1912-24-9	Atrazine	91.3	U	91.3	170	ug/Kg
87-86-5	Pentachlorophenol	77.2	U	77.2	330	ug/Kg
85-01-8	Phenanthrene	83.9	U	83.9	170	ug/Kg
120-12-7	Anthracene	84.3	U	84.3	170	ug/Kg
86-74-8	Carbazole	80.2	U	80.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.2	U	84.2	170	ug/Kg
206-44-0	Fluoranthene	81.6	U	81.6	170	ug/Kg
129-00-0	Pyrene	82.9	U	82.9	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.7	U	96.7	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.5	U	98.5	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.6	U	80.6	170	ug/Kg
218-01-9	Chrysene	79.4	U	79.4	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	90.9	U	90.9	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81.0	U	81.0	170	ug/Kg

Raw Data: **BG064057.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167031BL	SDG No.:	Q1514
Lab Sample ID:	PB167031BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064057.D	1	03/07/25 08:55	03/07/25 13:37	PB167031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	82.5	U	82.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	92.9	U	92.9	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.0	U	78.0	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.1	U	81.1	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.0	U	80.0	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.7	U	86.7	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.7	U	74.7	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	140		30 (18) - 130 (112)	93%	SPK: 150
13127-88-3	Phenol-d6	134		30 (15) - 130 (107)	89%	SPK: 150
4165-60-0	Nitrobenzene-d5	98.5		30 (18) - 130 (107)	99%	SPK: 100
321-60-8	2-Fluorobiphenyl	94.1		30 (20) - 130 (109)	94%	SPK: 100
118-79-6	2,4,6-Tribromophenol	151		30 (10) - 130 (116)	100%	SPK: 150
1718-51-0	Terphenyl-d14	100		30 (10) - 130 (105)	100%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	29300	7.861			
1146-65-2	Naphthalene-d8	121000	10.651			
15067-26-2	Acenaphthene-d10	87300	14.488			
1517-22-2	Phenanthrene-d10	223000	17.226			
1719-03-5	Chrysene-d12	230000	21.462			
1520-96-3	Perylene-d12	247000	24.476			

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_G\Data\BG030725\
Data File : BG064057.D
Acq On : 7 Mar 2025 13:37
Operator : RC/JU
Sample : PB167031BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB167031BL

Quant Time: Mar 07 14:20:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

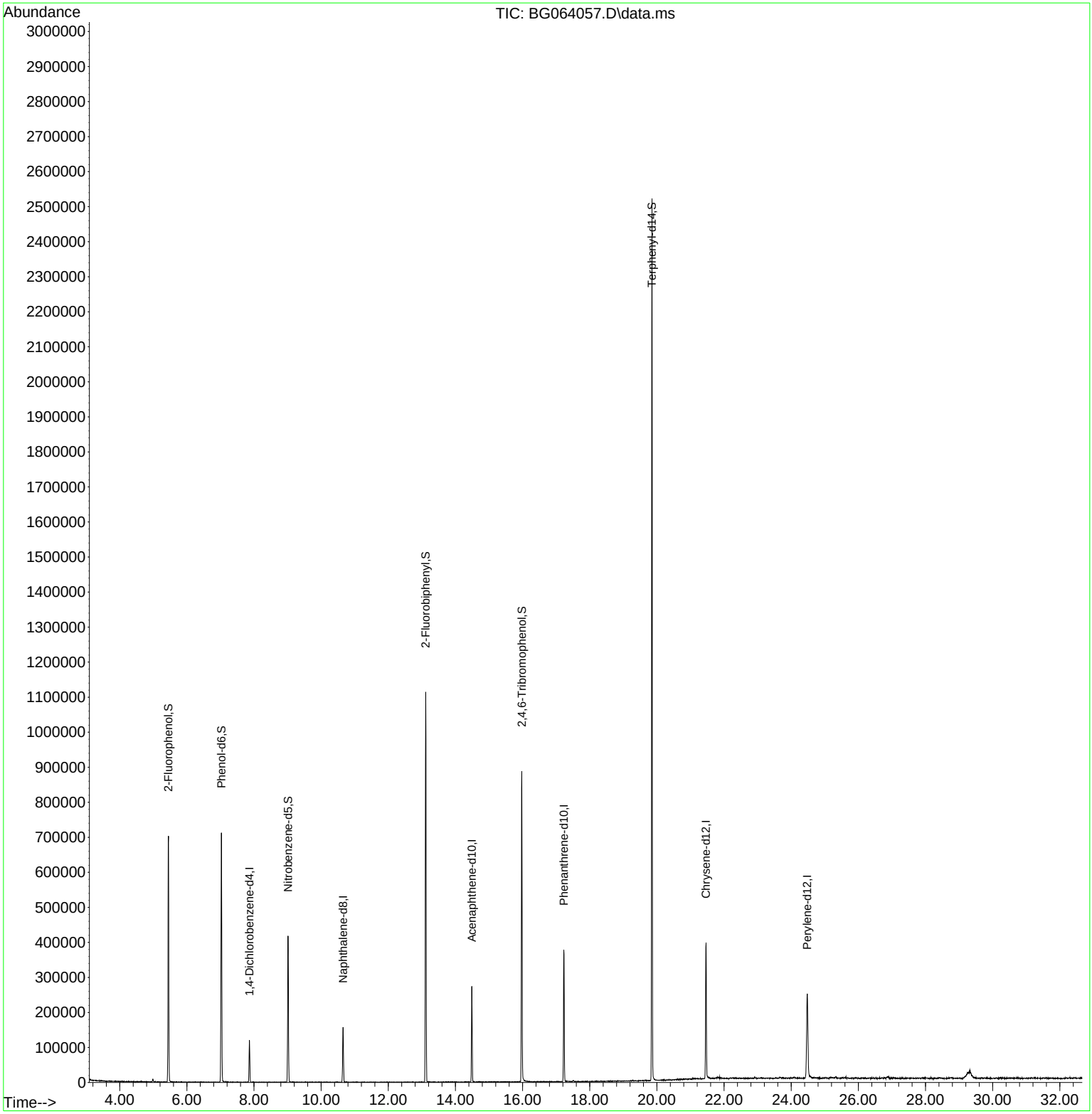
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.861	152	29333	20.000	ng	0.00
21) Naphthalene-d8	10.651	136	120699	20.000	ng	0.00
39) Acenaphthene-d10	14.488	164	87279	20.000	ng	0.00
64) Phenanthrene-d10	17.226	188	222662	20.000	ng	0.00
76) Chrysene-d12	21.462	240	230159	20.000	ng	0.00
86) Perylene-d12	24.476	264	246932	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.452	112	262956	139.976	ng	0.00
7) Phenol-d6	7.026	99	342200	133.902	ng	0.00
23) Nitrobenzene-d5	9.012	82	215185	98.522	ng	0.00
42) 2,4,6-Tribromophenol	15.975	330	146075	150.567	ng	0.00
45) 2-Fluorobiphenyl	13.113	172	541325	94.143	ng	0.00
79) Terphenyl-d14	19.852	244	1142139	100.339	ng	0.00
Target Compounds						Qvalue

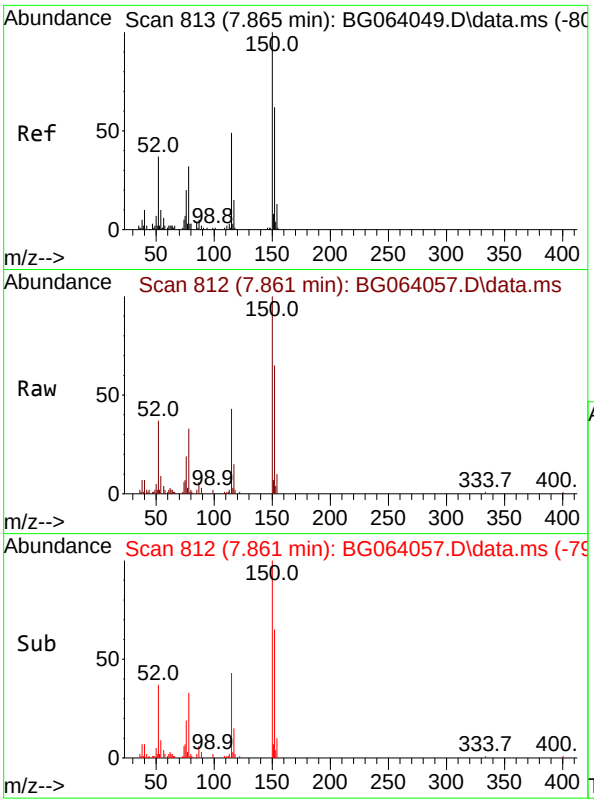
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064057.D
Acq On : 7 Mar 2025 13:37
Operator : RC/JU
Sample : PB167031BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB167031BL

Quant Time: Mar 07 14:20:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration



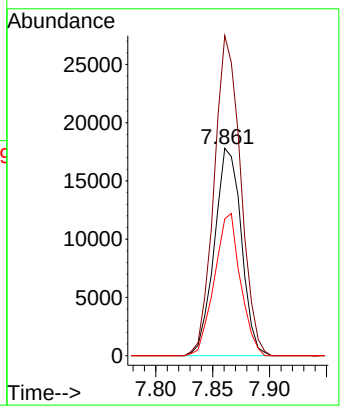


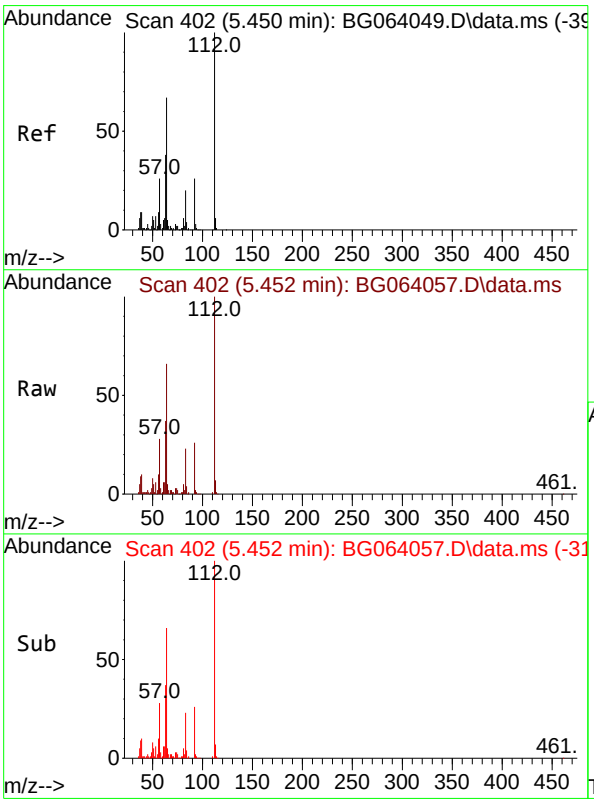
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.861 min Scan# 81
Delta R.T. -0.005 min
Lab File: BG064057.D
Acq: 7 Mar 2025 13:37

Instrument :
BNA_G
ClientSampleId :
PB167031BL

Tgt Ion:152 Resp: 29333

Ion	Ratio	Lower	Upper
152	100		
150	154.3	129.2	193.8
115	66.0	63.0	94.6

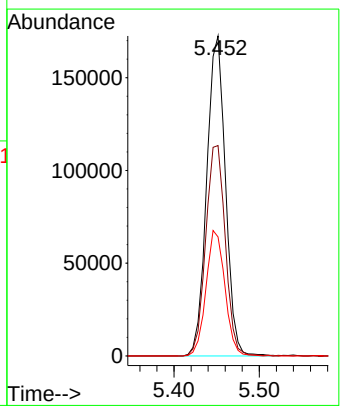


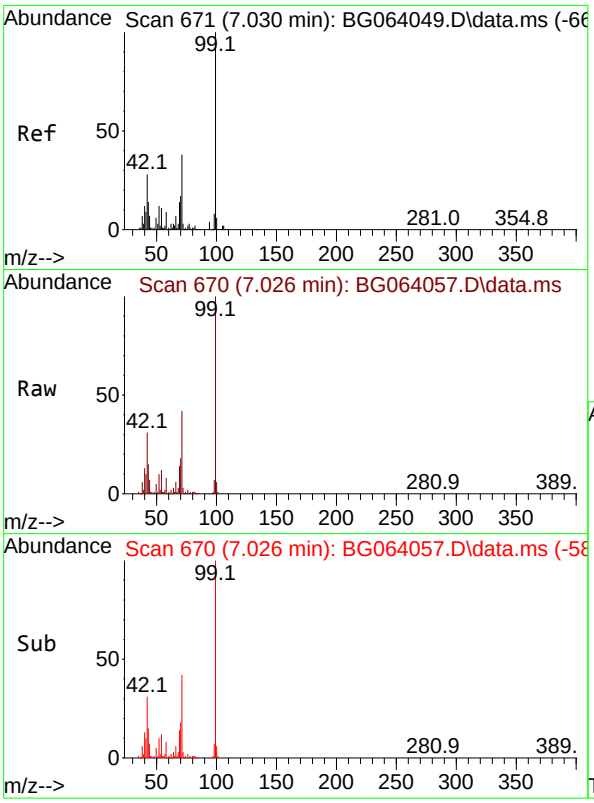


#5
2-Fluorophenol
Concen: 139.976 ng
RT: 5.452 min Scan# 402
Delta R.T. 0.002 min
Lab File: BG064057.D
Acq: 7 Mar 2025 13:37

Tgt Ion:112 Resp: 262956

Ion	Ratio	Lower	Upper
112	100		
64	65.8	53.7	80.5
63	37.2	30.2	45.4



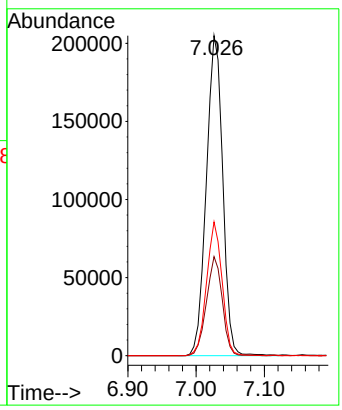


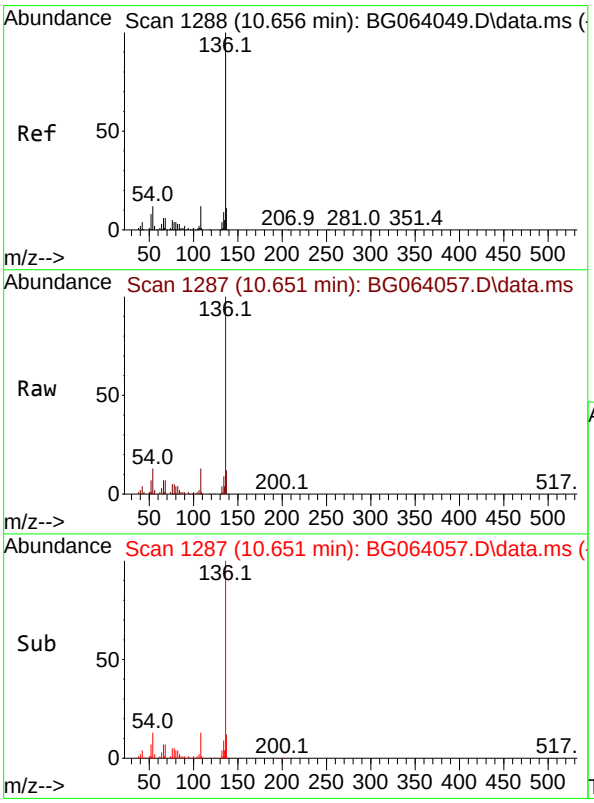
#7
Phenol-d6
Concen: 133.902 ng
RT: 7.026 min Scan# 6
Delta R.T. -0.004 min
Lab File: BG064057.D
Acq: 7 Mar 2025 13:37

Instrument :
BNA_G
ClientSampleId :
PB167031BL

Tgt Ion: 99 Resp: 342200

Ion	Ratio	Lower	Upper
99	100		
42	30.9	22.7	34.1
71	41.8	30.6	46.0

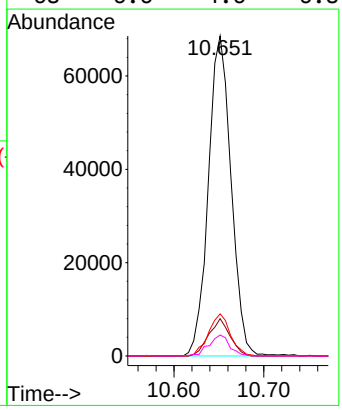


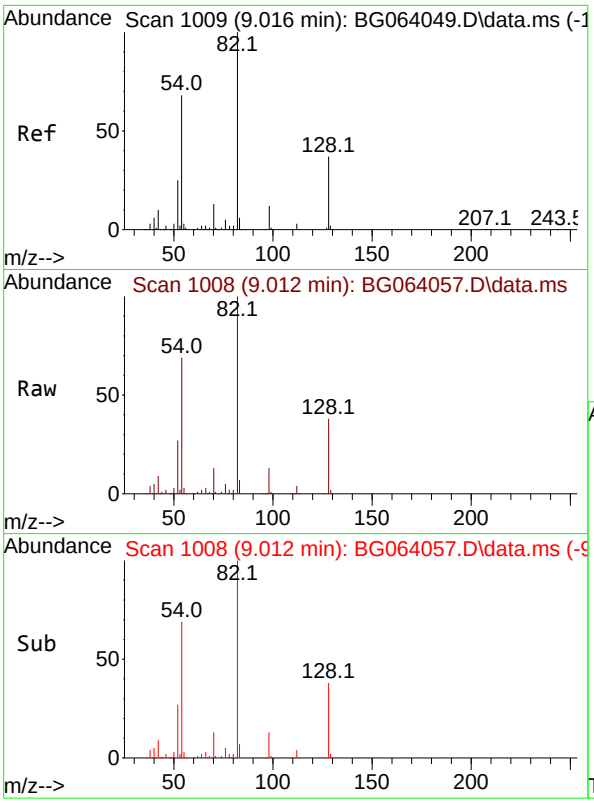


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.651 min Scan# 1287
Delta R.T. -0.005 min
Lab File: BG064057.D
Acq: 7 Mar 2025 13:37

Tgt Ion:136 Resp: 120699

Ion	Ratio	Lower	Upper
136	100		
137	11.7	8.5	12.7
54	13.2	9.9	14.9
68	6.6	4.6	6.8



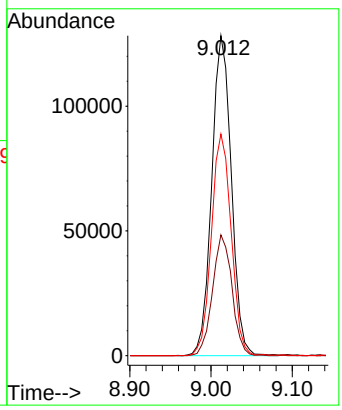


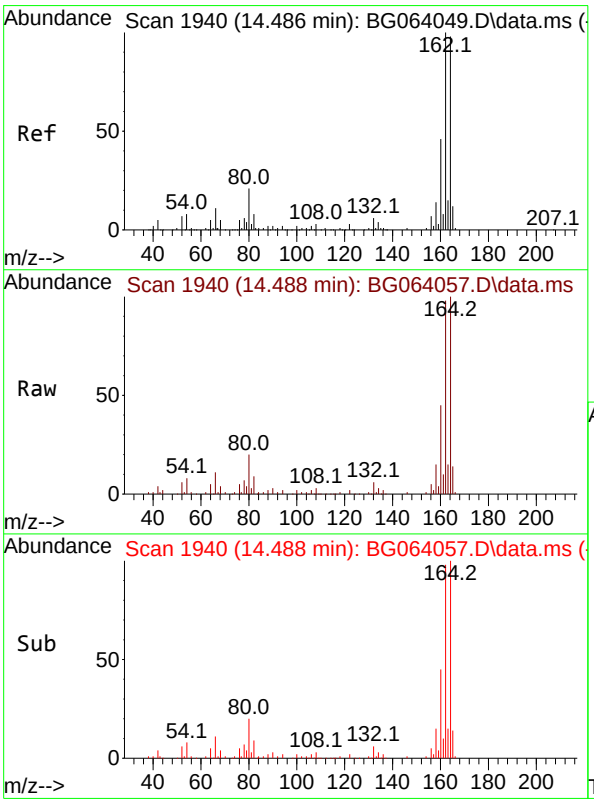
#23
Nitrobenzene-d5
Concen: 98.522 ng
RT: 9.012 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064057.D
Acq: 7 Mar 2025 13:37

Instrument :
BNA_G
ClientSampleId :
PB167031BL

Tgt Ion: 82 Resp: 215185

Ion	Ratio	Lower	Upper
82	100		
128	37.8	30.0	45.0
54	69.2	54.7	82.1

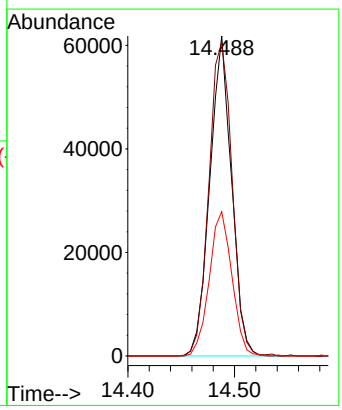


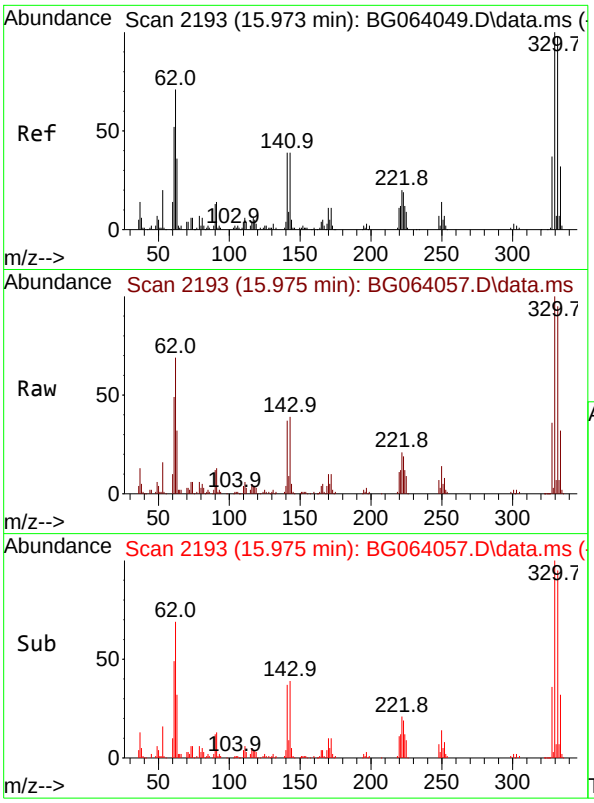


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.488 min Scan# 1940
Delta R.T. 0.002 min
Lab File: BG064057.D
Acq: 7 Mar 2025 13:37

Tgt Ion:164 Resp: 87279

Ion	Ratio	Lower	Upper
164	100		
162	98.1	81.4	122.0
160	45.1	37.0	55.6



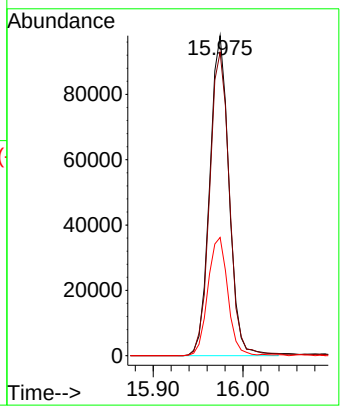


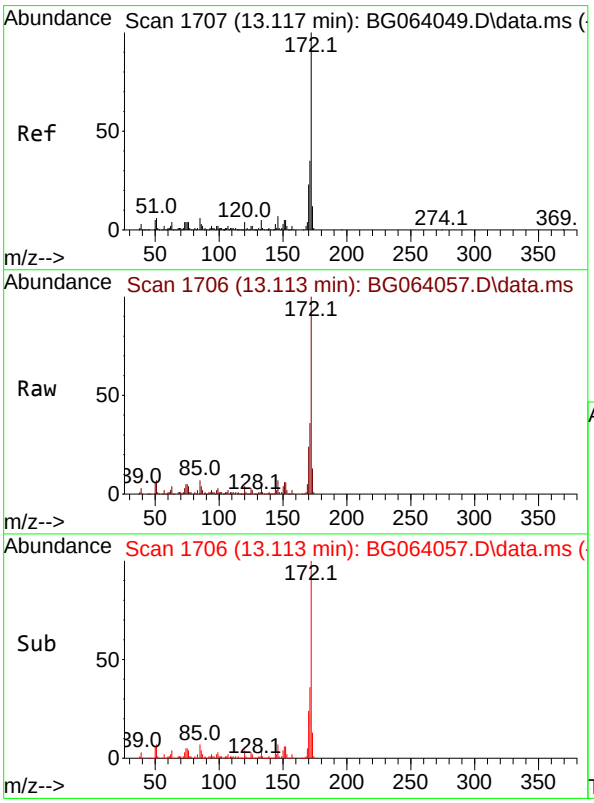
#42
2,4,6-Tribromophenol
Concen: 150.567 ng
RT: 15.975 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG064057.D
Acq: 7 Mar 2025 13:37

Instrument :
BNA_G
ClientSampleId :
PB167031BL

Tgt Ion:330 Resp: 146075

Ion	Ratio	Lower	Upper
330	100		
332	97.3	76.7	115.1
141	38.3	29.7	44.5

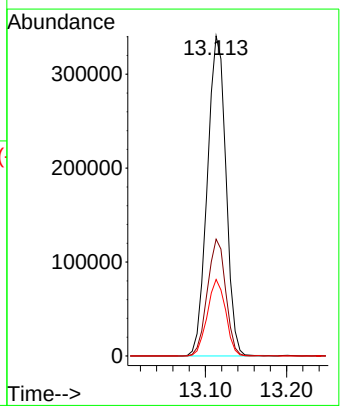


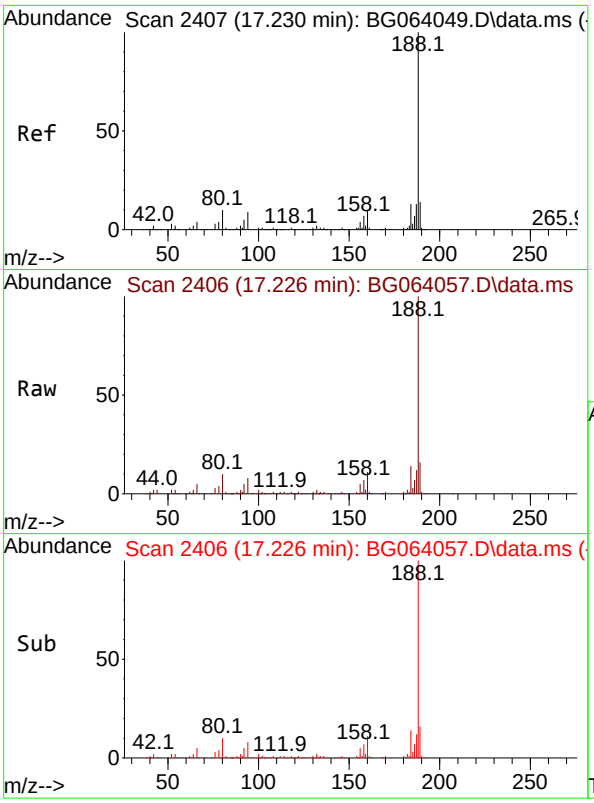


#45
2-Fluorobiphenyl
Concen: 94.143 ng
RT: 13.113 min Scan# 1706
Delta R.T. -0.004 min
Lab File: BG064057.D
Acq: 7 Mar 2025 13:37

Tgt Ion:172 Resp: 541325

Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.0	42.0
170	23.9	18.7	28.1



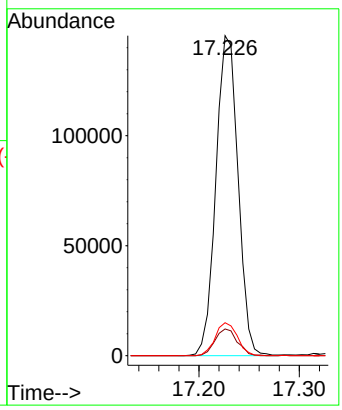


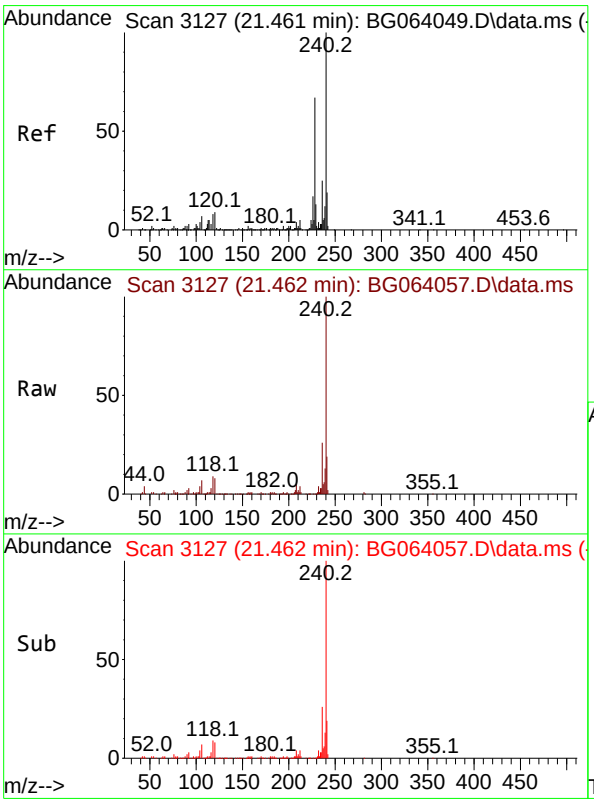
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.226 min Scan# 24
Delta R.T. -0.004 min
Lab File: BG064057.D
Acq: 7 Mar 2025 13:37

Instrument :
BNA_G
ClientSampleId :
PB167031BL

Tgt Ion:188 Resp: 222662

Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.9	10.3
80	10.3	8.1	12.1

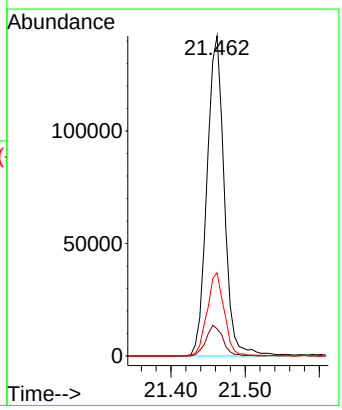


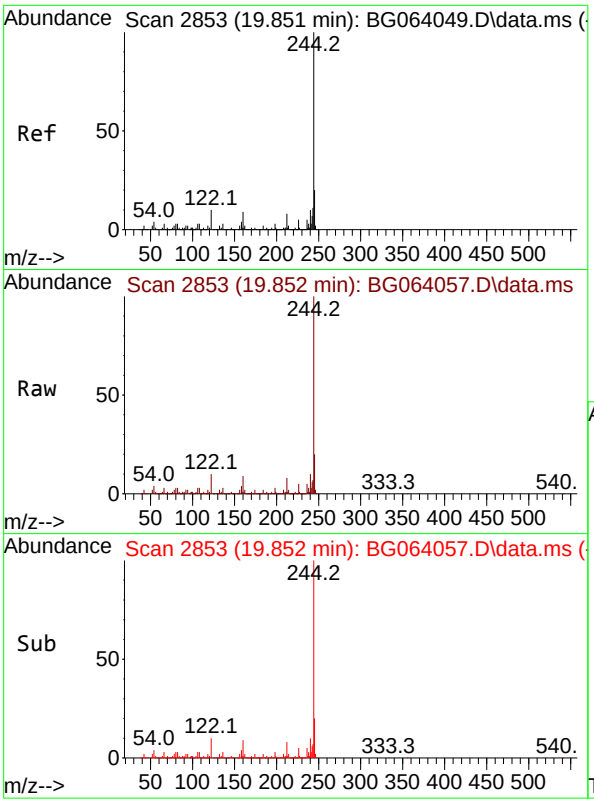


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.462 min Scan# 3127
Delta R.T. 0.002 min
Lab File: BG064057.D
Acq: 7 Mar 2025 13:37

Tgt Ion:240 Resp: 230159

Ion	Ratio	Lower	Upper
240	100		
120	8.5	7.2	10.8
236	26.0	20.2	30.2



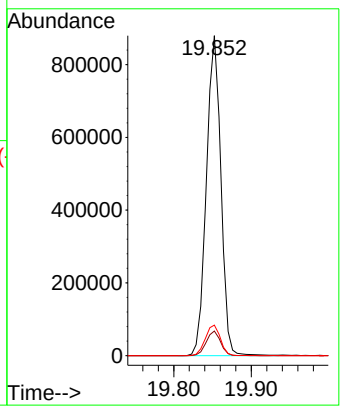


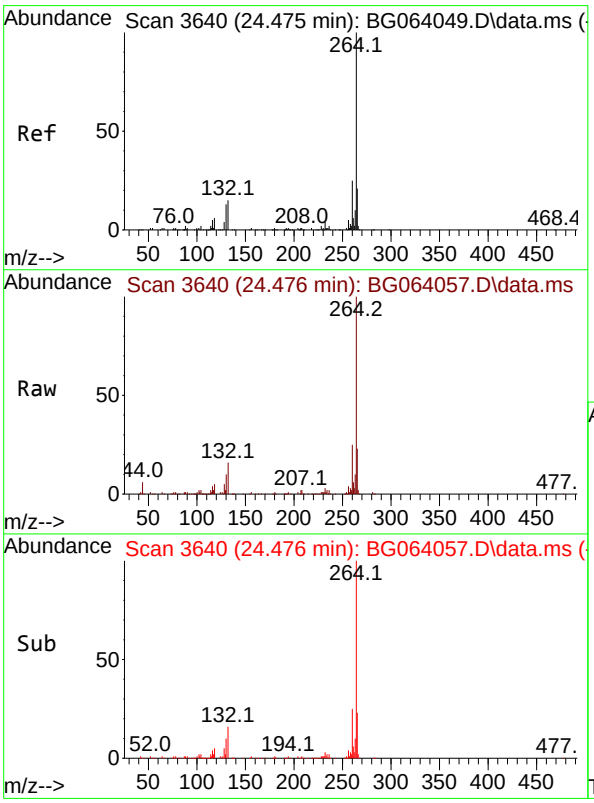
#79
Terphenyl-d14
Concen: 100.339 ng
RT: 19.852 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064057.D
Acq: 7 Mar 2025 13:37

Instrument :
BNA_G
ClientSampleId :
PB167031BL

Tgt Ion:244 Resp: 1142139

Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.2	9.4
122	9.6	8.0	12.0

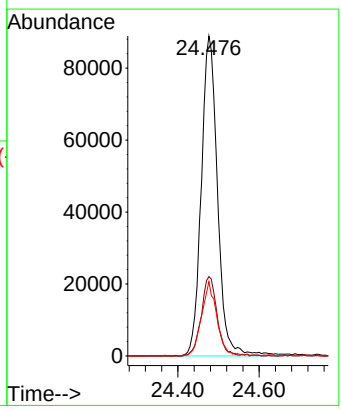




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.476 min Scan# 3640
Delta R.T. 0.002 min
Lab File: BG064057.D
Acq: 7 Mar 2025 13:37

Tgt Ion:264 Resp: 246932

Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.6	29.4
265	23.3	16.6	25.0



LSC Area Percent Report

Sample Results: **BG064057.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064057.D
Acq On : 7 Mar 2025 13:37
Operator : RC/JU
Sample : PB167031BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB167031BL

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG064057.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.452	395	402	411	rBV	702036	1093570	33.70%	9.104%
2	7.026	662	670	683	rBV	711558	1176998	36.27%	9.799%
3	7.861	806	812	822	rBV	119828	193557	5.97%	1.611%
4	9.012	1000	1008	1016	rBV	417700	708719	21.84%	5.900%
5	10.651	1280	1287	1294	rVB	157042	271845	8.38%	2.263%
6	13.113	1699	1706	1713	rBV	1113479	1720018	53.01%	14.319%
7	14.488	1933	1940	1948	rBV	273153	403700	12.44%	3.361%
8	15.975	2186	2193	2206	rBV	886231	1334009	41.11%	11.106%
9	17.226	2400	2406	2417	rBV2	376082	574208	17.70%	4.780%
10	19.852	2847	2853	2867	rBV	2515351	3244773	100.00%	27.013%
11	21.462	3120	3127	3133	rBV	387129	631512	19.46%	5.257%
12	24.476	3629	3640	3651	rBV	241529	659004	20.31%	5.486%

Sum of corrected areas: 12011913

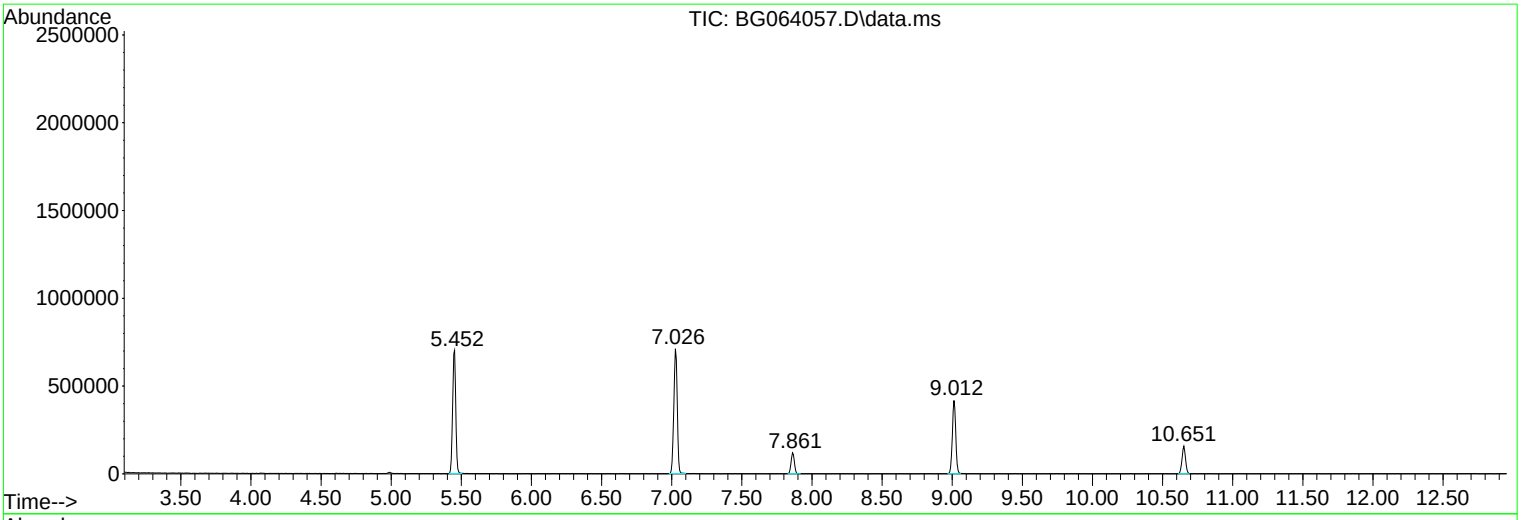
Sample Results: **BG064057.D**

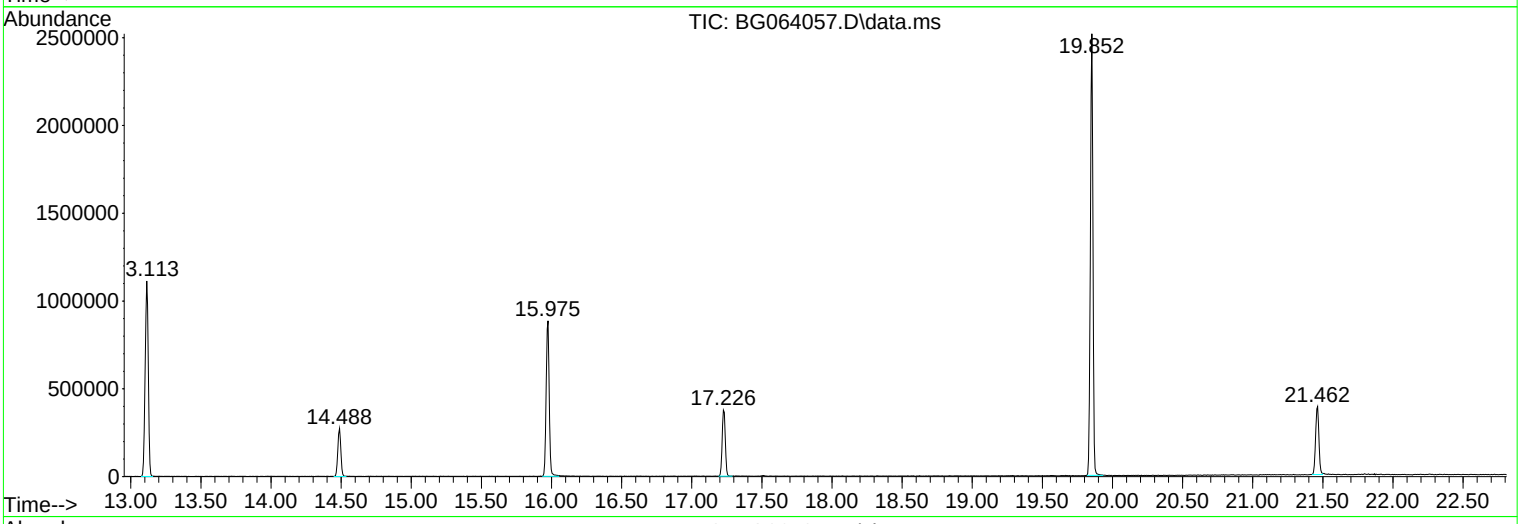
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064057.D
Acq On : 7 Mar 2025 13:37
Operator : RC/JU
Sample : PB167031BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

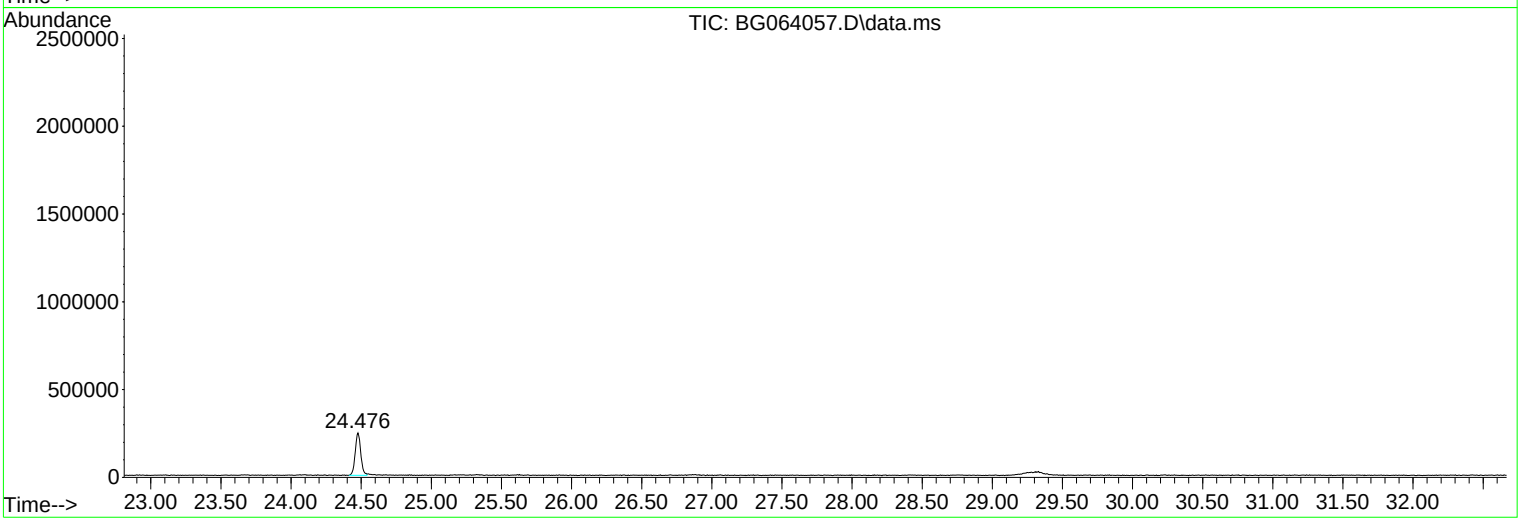
Instrument :
BNA_G
ClientSampleId :
PB167031BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Library Search Compound Report

Sample Results: **BG064057.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064057.D
Acq On : 7 Mar 2025 13:37
Operator : RC/JU
Sample : PB167031BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB167031BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

No Library Search Compounds Detected
****

Sample Results: **BG064057.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064057.D
Acq On : 7 Mar 2025 13:37
Operator : RC/JU
Sample : PB167031BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB167031BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Raw Data: **BG064060.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167027BS	SDG No.:	Q1514
Lab Sample ID:	PB167027BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064060.D	1	03/07/25 08:24	03/07/25 15:39	PB167027

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	21.0		4.00	10.0	ug/L
108-95-2	Phenol	45.7		0.93	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	39.5		1.20	5.00	ug/L
95-57-8	2-Chlorophenol	44.0		0.71	5.00	ug/L
95-48-7	2-Methylphenol	47.8		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	42.8		1.40	5.00	ug/L
98-86-2	Acetophenone	45.7		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	47.7		1.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	42.6		1.50	2.50	ug/L
67-72-1	Hexachloroethane	42.0		1.00	5.00	ug/L
98-95-3	Nitrobenzene	44.1		1.30	5.00	ug/L
78-59-1	Isophorone	43.7		1.10	5.00	ug/L
88-75-5	2-Nitrophenol	43.6		2.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	60.0		1.50	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	41.7		1.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	48.1		0.88	5.00	ug/L
91-20-3	Naphthalene	41.1		1.00	5.00	ug/L
106-47-8	4-Chloroaniline	18.1		1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	42.4		1.30	5.00	ug/L
105-60-2	Caprolactam	51.9		1.70	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	46.4		0.84	5.00	ug/L
91-57-6	2-Methylnaphthalene	40.9		1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	160	E	5.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	47.8		0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	48.4		1.00	5.00	ug/L
92-52-4	1,1-Biphenyl	45.3		0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	41.9		0.97	5.00	ug/L
88-74-4	2-Nitroaniline	44.1		1.40	5.00	ug/L
131-11-3	Dimethylphthalate	42.0		0.93	5.00	ug/L

Raw Data: **BG064060.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167027BS	SDG No.:	Q1514
Lab Sample ID:	PB167027BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064060.D	1	03/07/25 08:24	03/07/25 15:39	PB167027

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	44.4		1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	42.8		1.20	5.00	ug/L
99-09-2	3-Nitroaniline	25.6		1.40	5.00	ug/L
83-32-9	Acenaphthene	42.0		0.81	5.00	ug/L
51-28-5	2,4-Dinitrophenol	88.1	E	6.40	10.0	ug/L
100-02-7	4-Nitrophenol	99.9	E	2.00	10.0	ug/L
132-64-9	Dibenzofuran	40.0		0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	45.0		1.50	5.00	ug/L
84-66-2	Diethylphthalate	42.1		1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	41.4		0.98	5.00	ug/L
86-73-7	Fluorene	41.7		0.96	5.00	ug/L
100-01-6	4-Nitroaniline	44.8		2.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	44.5		3.10	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	43.6		0.89	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	43.7		0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	42.9		1.10	5.00	ug/L
1912-24-9	Atrazine	65.3		1.30	5.00	ug/L
87-86-5	Pentachlorophenol	91.6	E	1.90	10.0	ug/L
85-01-8	Phenanthrene	43.2		0.89	5.00	ug/L
120-12-7	Anthracene	44.6		1.10	5.00	ug/L
86-74-8	Carbazole	42.6		1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	44.0		1.50	5.00	ug/L
206-44-0	Fluoranthene	41.4		1.30	5.00	ug/L
129-00-0	Pyrene	43.6		1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	44.8		2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	28.9		1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	44.6		0.94	5.00	ug/L
218-01-9	Chrysene	43.2		0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	48.2		1.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	47.6		2.50	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	42.4		1.10	5.00	ug/L

Raw Data: **BG064060.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167027BS	SDG No.:	Q1514
Lab Sample ID:	PB167027BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064060.D	1	03/07/25 08:24	03/07/25 15:39	PB167027

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	43.2		1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	45.7		1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	45.3		1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	44.6		1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	41.6		1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	44.5		1.10	5.00	ug/L
123-91-1	1,4-Dioxane	38.2		1.30	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	46.9		0.79	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	140		15 (10) - 110 (139)	93%	SPK: 150
13127-88-3	Phenol-d6	137		15 (10) - 110 (134)	91%	SPK: 150
4165-60-0	Nitrobenzene-d5	94.3		30 (49) - 130 (133)	94%	SPK: 100
321-60-8	2-Fluorobiphenyl	86.1		30 (52) - 130 (132)	86%	SPK: 100
118-79-6	2,4,6-Tribromophenol	148		15 (44) - 110 (137)	99%	SPK: 150
1718-51-0	Terphenyl-d14	93.5		30 (48) - 130 (125)	93%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	34700	7.864			
1146-65-2	Naphthalene-d8	156000	10.655			
15067-26-2	Acenaphthene-d10	113000	14.492			
1517-22-2	Phenanthrene-d10	254000	17.23			
1719-03-5	Chrysene-d12	254000	21.466			
1520-96-3	Perylene-d12	276000	24.48			

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_G\Data\BG030725\
Data File : BG064060.D
Acq On : 7 Mar 2025 15:39
Operator : RC/JU
Sample : PB167027BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 07 16:12:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB167027BS

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.864	152	34687	20.000	ng		0.00
21) Naphthalene-d8	10.655	136	155641	20.000	ng		0.00
39) Acenaphthene-d10	14.492	164	112589	20.000	ng		0.00
64) Phenanthrene-d10	17.230	188	253745	20.000	ng		0.00
76) Chrysene-d12	21.466	240	254292	20.000	ng		0.00
86) Perylene-d12	24.480	264	275837	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.449	112	310296	139.681	ng		0.00
7) Phenol-d6	7.030	99	412819	136.602	ng		0.00
23) Nitrobenzene-d5	9.016	82	265661	94.326	ng		0.00
42) 2,4,6-Tribromophenol	15.978	330	185497	148.219	ng		0.00
45) 2-Fluorobiphenyl	13.117	172	638446	86.073	ng		0.00
79) Terphenyl-d14	19.850	244	1175577	93.476	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.363	88	38466	38.207	ng		97
3) Pyridine	3.751	79	96049	39.228	ng		98
4) n-Nitrosodimethylamine	3.669	42	78132	44.663	ng	#	95
6) Aniline	7.188	93	106497	35.913	ng		99
8) 2-Chlorophenol	7.429	128	104925	43.977	ng		98
9) Benzaldehyde	7.000	77	36958	21.027	ng		95
10) Phenol	7.059	94	141366	45.689	ng		98
11) bis(2-Chloroethyl)ether	7.288	93	95875	39.524	ng		94
12) 1,3-Dichlorobenzene	7.752	146	103971	39.683	ng		95
13) 1,4-Dichlorobenzene	7.899	146	108911	40.555	ng		98
14) 1,2-Dichlorobenzene	8.217	146	103707	40.048	ng		98
15) Benzyl Alcohol	8.099	79	105756	45.286	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.387	45	233187	42.752	ng		99
17) 2-Methylphenol	8.299	107	98070	47.757	ng		98
18) Hexachloroethane	8.945	117	39503	42.043	ng		98
19) n-Nitroso-di-n-propyla...	8.669	70	90329	42.590	ng		99
20) 3+4-Methylphenols	8.628	107	134891	47.714	ng		94
22) Acetophenone	8.681	105	194894	45.671	ng	#	97
24) Nitrobenzene	9.057	77	128238	44.058	ng		98
25) Isophorone	9.580	82	246299	43.692	ng		96
26) 2-Nitrophenol	9.768	139	42881	43.608	ng		92
27) 2,4-Dimethylphenol	9.826	122	101419	60.013	ng		93
28) bis(2-Chloroethoxy)met...	10.067	93	142441	41.677	ng		98
29) 2,4-Dichlorophenol	10.296	162	102575	48.069	ng		97
30) 1,2,4-Trichlorobenzene	10.520	180	105591	40.990	ng		99
31) Naphthalene	10.702	128	344551	41.054	ng		99
32) Benzoic acid	9.973	122	68460m	44.818	ng		
33) 4-Chloroaniline	10.808	127	55447	18.076	ng		99
34) Hexachlorobutadiene	10.996	225	71617	42.415	ng		99
35) Caprolactam	11.566	113	42467m	51.932	ng		
36) 4-Chloro-3-methylphenol	11.930	107	129710	46.372	ng		96
37) 2-Methylnaphthalene	12.312	142	242058	40.855	ng		98
38) 1-Methylnaphthalene	12.529	142	240617	41.453	ng		97
40) 1,2,4,5-Tetrachloroben...	12.682	216	143110	44.522	ng		99
41) Hexachlorocyclopentadiene	12.664	237	140946	155.796	ng		91
43) 2,4,6-Trichlorophenol	12.917	196	90615	47.832	ng		97

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064060.D
Acq On : 7 Mar 2025 15:39
Operator : RC/JU
Sample : PB167027BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 07 16:12:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB167027BS

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.987	196	101854	48.387	ng		99
46) 1,1'-Biphenyl	13.322	154	385498	45.320	ng		99
47) 2-Chloronaphthalene	13.363	162	259667	41.856	ng		97
48) 2-Nitroaniline	13.563	65	89126	44.061	ng		98
49) Acenaphthylene	14.210	152	435964	44.428	ng		99
50) Dimethylphthalate	13.951	163	349243	42.022	ng		100
51) 2,6-Dinitrotoluene	14.063	165	71443	42.766	ng		91
52) Acenaphthene	14.556	154	276523	41.990	ng		96
53) 3-Nitroaniline	14.386	138	41117	25.598	ng		98
54) 2,4-Dinitrophenol	14.591	184	62531	88.069	ng	#	86
55) Dibenzofuran	14.891	168	426402	39.969	ng		99
56) 4-Nitrophenol	14.697	139	134644	99.947	ng		93
57) 2,4-Dinitrotoluene	14.850	165	104186	45.027	ng	#	96
58) Fluorene	15.537	166	346223	41.668	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.108	232	96141m	46.850	ng		
60) Diethylphthalate	15.320	149	379847	42.100	ng		100
61) 4-Chlorophenyl-phenyle...	15.532	204	171110	41.440	ng		93
62) 4-Nitroaniline	15.555	138	77649	44.775	ng		99
63) Azobenzene	15.825	77	386892	40.185	ng		99
65) 4,6-Dinitro-2-methylph...	15.608	198	48030	44.528	ng		98
66) n-Nitrosodiphenylamine	15.749	169	312948	43.571	ng		99
67) 4-Bromophenyl-phenylether	16.425	248	113650	43.731	ng		98
68) Hexachlorobenzene	16.536	284	124776	42.886	ng		96
69) Atrazine	16.701	200	138076	65.336	ng		96
70) Pentachlorophenol	16.883	266	165396	91.557	ng		98
71) Phenanthrene	17.271	178	584770	43.207	ng		99
72) Anthracene	17.365	178	599926	44.578	ng		99
73) Carbazole	17.629	167	535441	42.613	ng		99
74) Di-n-butylphthalate	18.205	149	651127	44.024	ng		100
75) Fluoranthene	19.280	202	675567	41.404	ng		98
77) Benzidine	19.462	184	187648	53.291	ng		98
78) Pyrene	19.644	202	714233	43.572	ng		98
80) Butylbenzylphthalate	20.549	149	274108	44.823	ng		98
81) Benzo(a)anthracene	21.442	228	726148	44.579	ng		99
82) 3,3'-Dichlorobenzidine	21.366	252	152208	28.872	ng		96
83) Chrysene	21.507	228	701459	43.176	ng		99
84) Bis(2-ethylhexyl)phtha...	21.383	149	424390	48.174	ng		99
85) Di-n-octyl phthalate	22.529	149	723815	47.635	ng		99
87) Indeno(1,2,3-cd)pyrene	27.876	276	835748	45.284	ng		98
88) Benzo(b)fluoranthene	23.534	252	707242	42.412	ng		98
89) Benzo(k)fluoranthene	23.599	252	722895	43.213	ng		99
90) Benzo(a)pyrene	24.345	252	678225	45.669	ng		97
91) Dibenzo(a,h)anthracene	27.952	278	682070	44.579	ng		100
92) Benzo(g,h,i)perylene	28.945	276	653491	41.599	ng		96

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064060.D
Acq On : 7 Mar 2025 15:39
Operator : RC/JU
Sample : PB167027BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 07 16:12:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
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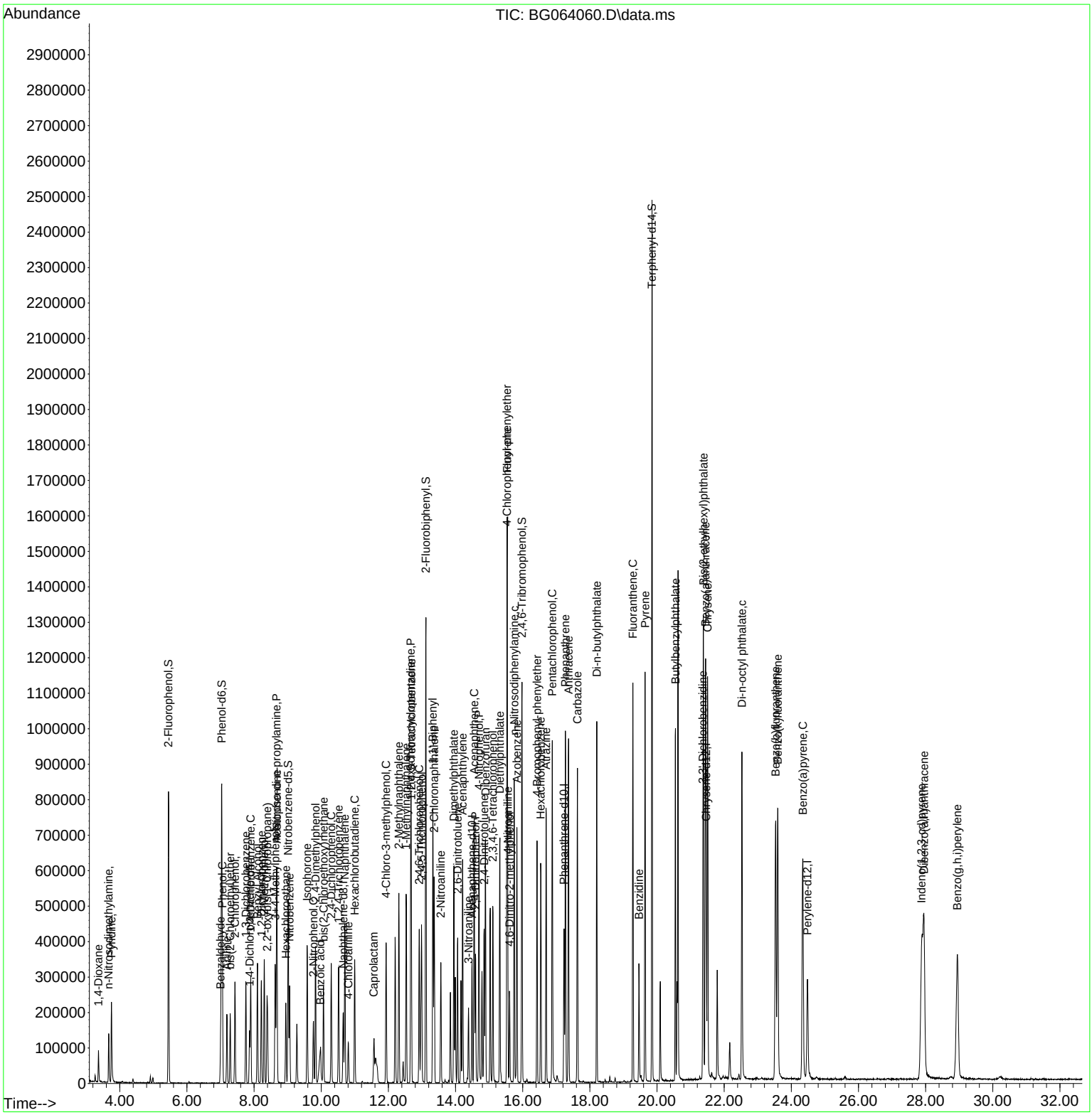
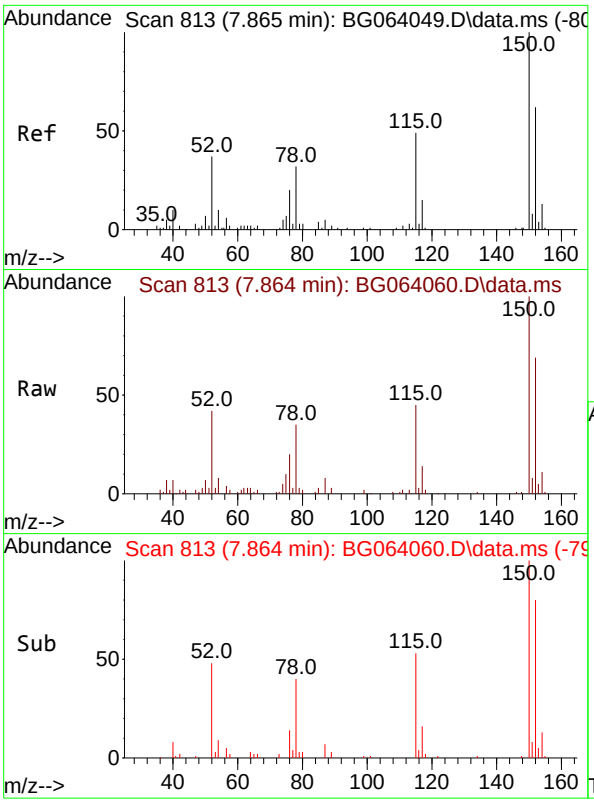
Instrument :
BNA_G
ClientSampleId :
PB167027BS

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

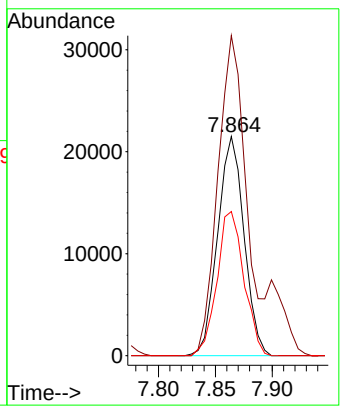




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.864 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:152 Resp: 3468

Ion	Ratio	Lower	Upper
152	100		
150	145.9	129.2	193.8
115	65.8	63.0	94.6



Instrument :
BNA_G
ClientSampleId :
PB167027BS

Manual Integrations
APPROVED

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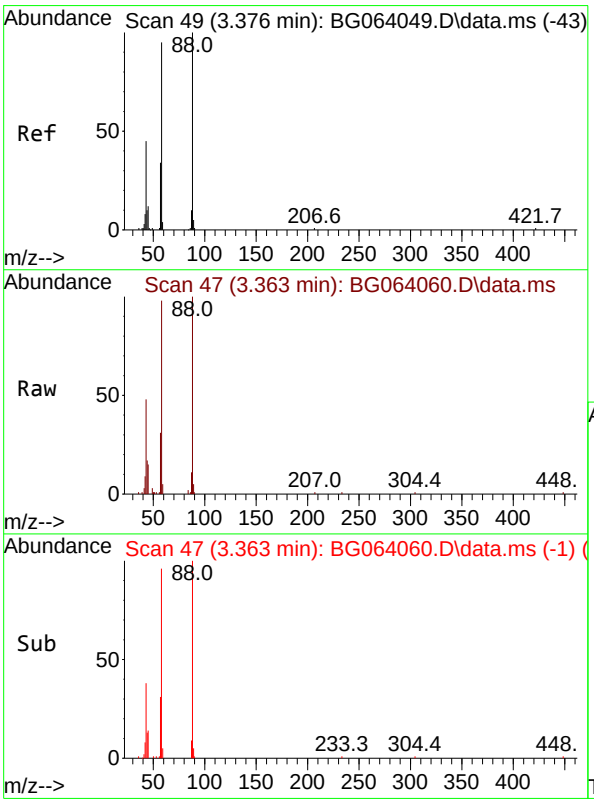
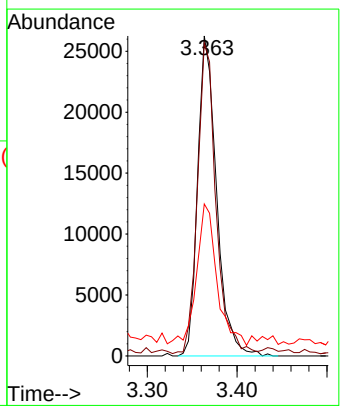
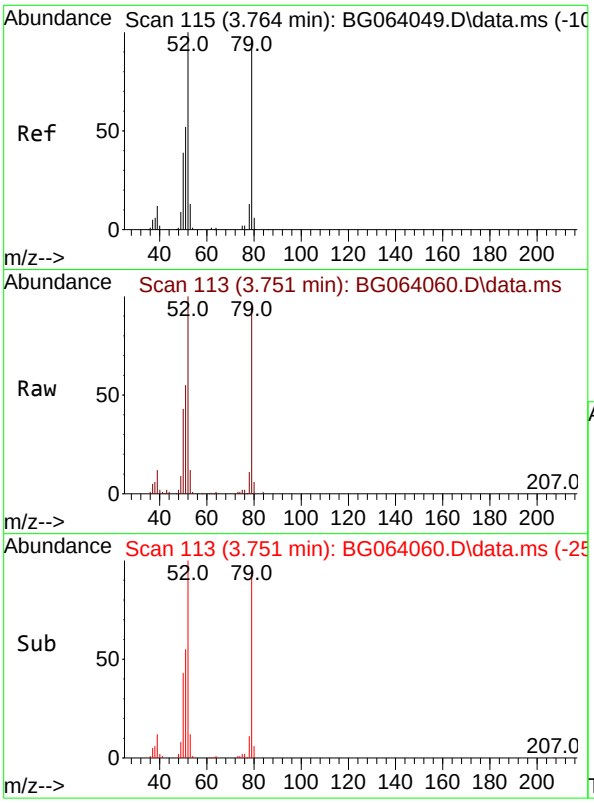


#2
1,4-Dioxane
Concen: 38.207 ng
RT: 3.363 min Scan# 47
Delta R.T. -0.012 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion: 88 Resp: 38466

Ion	Ratio	Lower	Upper
88	100		
58	94.8	74.6	111.8
43	47.3	35.5	53.3

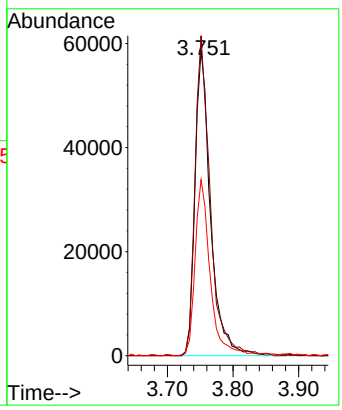




#3
Pyridine
Concen: 39.228 ng
RT: 3.751 min Scan# 11
Delta R.T. -0.012 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion: 79 Resp: 9604

Ion	Ratio	Lower	Upper
79	100		
52	104.7	83.0	124.6
51	57.6	44.3	66.5



Instrument :
BNA_G
ClientSampleId :
PB167027BS

Manual Integrations
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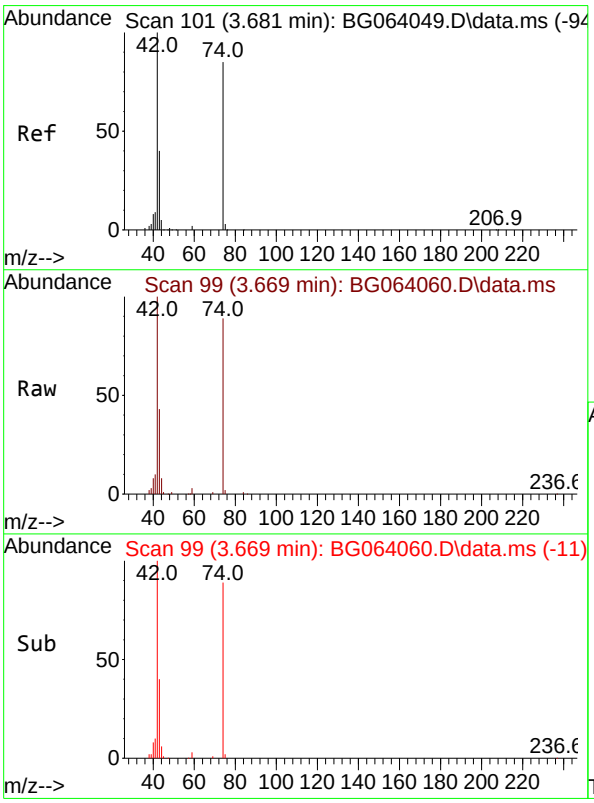
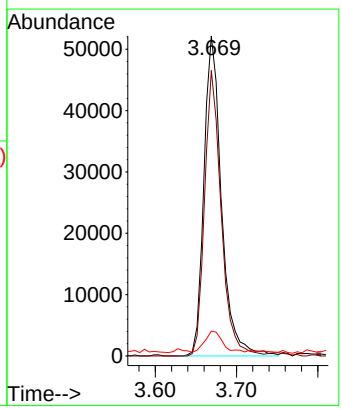
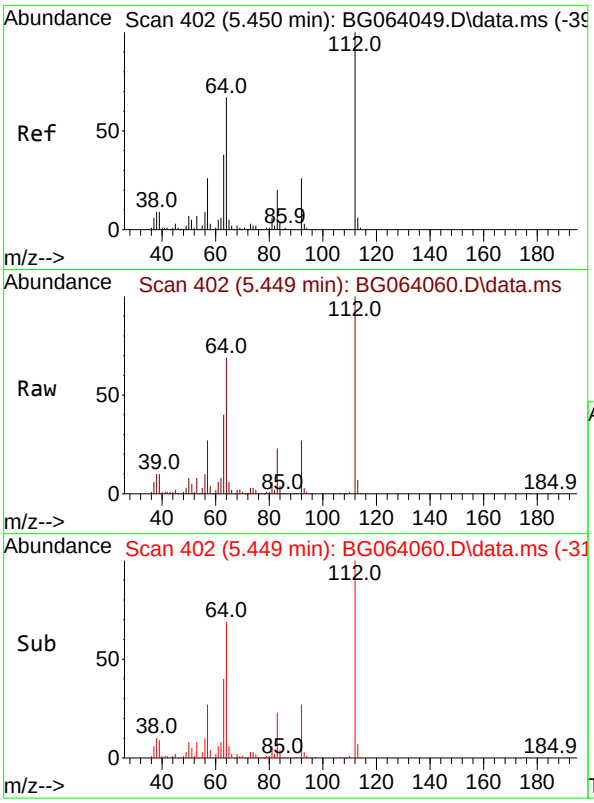


#4
n-Nitrosodimethylamine
Concen: 44.663 ng
RT: 3.669 min Scan# 99
Delta R.T. -0.012 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion: 42 Resp: 78132

Ion	Ratio	Lower	Upper
42	100		
74	89.2	68.0	102.0
44	7.8	4.9	7.3#

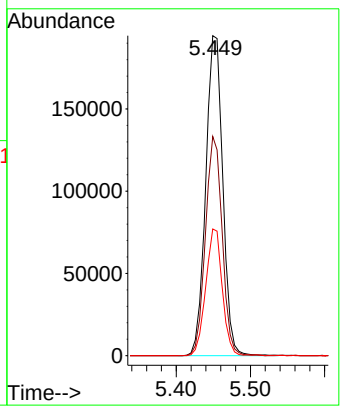




#5
2-Fluorophenol
Concen: 139.681 ng
RT: 5.449 min Scan# 4(
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:112 Resp: 31029(

Ion	Ratio	Lower	Upper
112	100		
64	68.5	53.7	80.5
63	39.6	30.2	45.4



Instrument :
BNA_G
ClientSampleId :
PB167027BS

Manual Integrations
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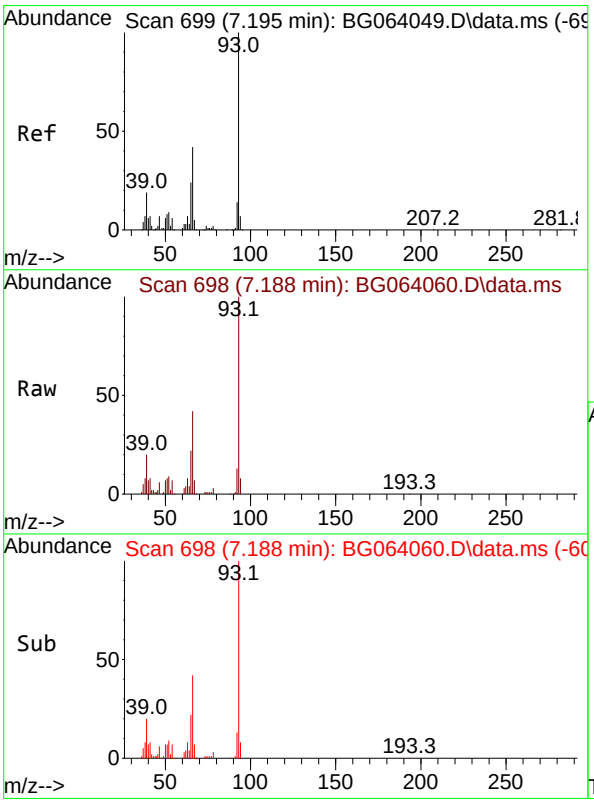
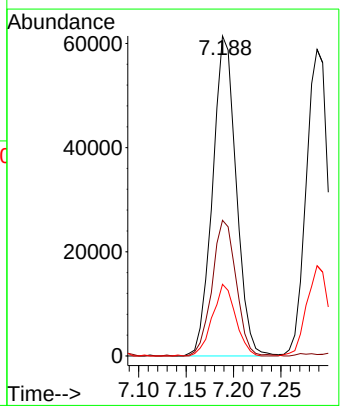
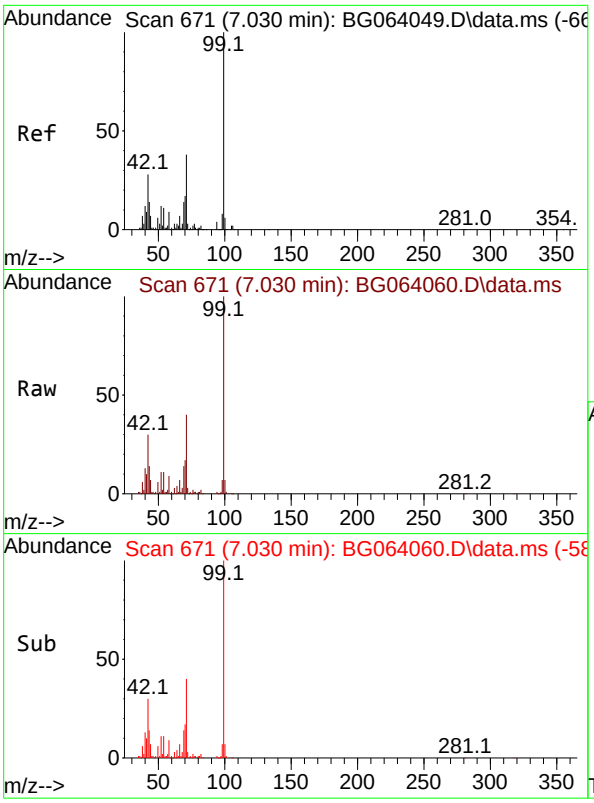


#6
Aniline
Concen: 35.913 ng
RT: 7.188 min Scan# 698
Delta R.T. -0.007 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion: 93 Resp: 106497

Ion	Ratio	Lower	Upper
93	100		
66	42.4	33.7	50.5
65	22.4	19.1	28.7

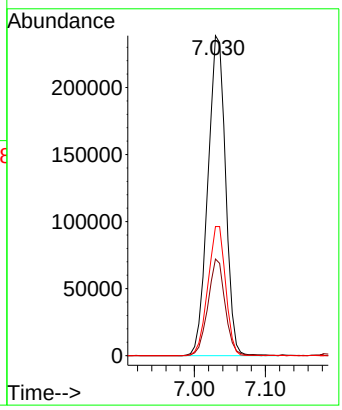




#7
Phenol-d6
Concen: 136.602 ng
RT: 7.030 min Scan# 6
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion: 99 Resp: 41281

Ion	Ratio	Lower	Upper
99	100		
42	30.2	22.7	34.1
71	40.3	30.6	46.0



Instrument :
BNA_G
ClientSampleId :
PB167027BS

Manual Integrations
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Reviewed By :Anahy Claudio 03/10/2025
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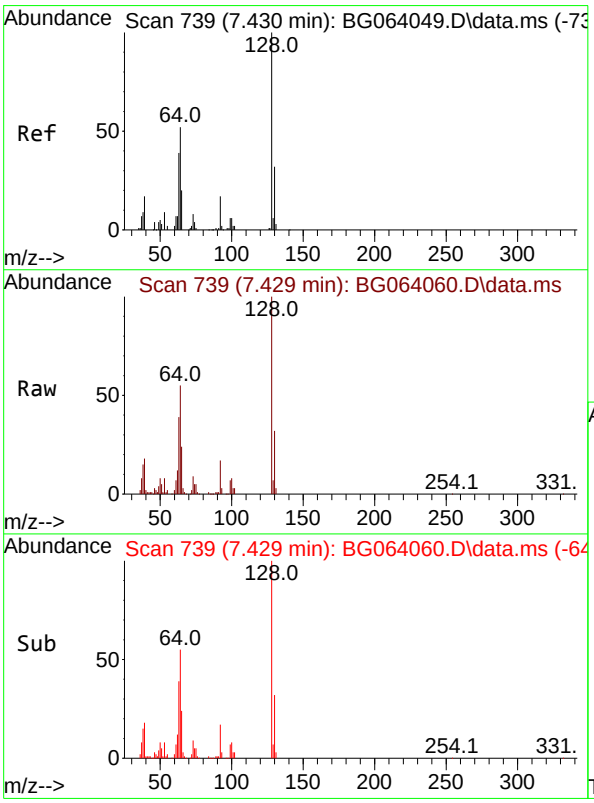
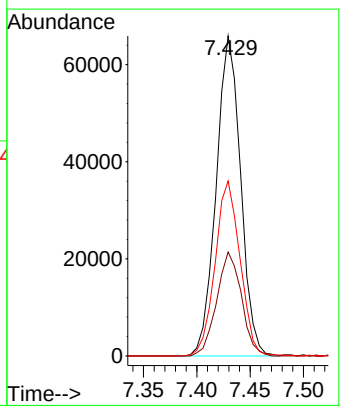
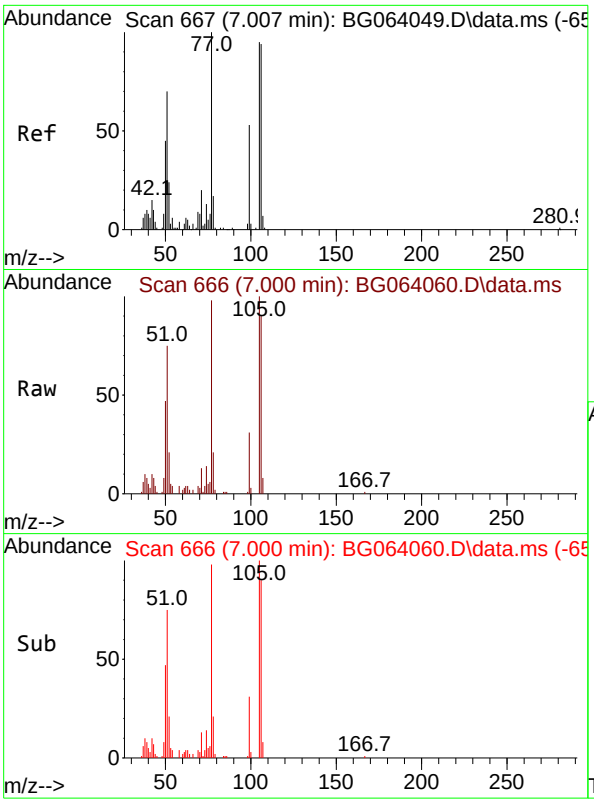


#8
2-Chlorophenol
Concen: 43.977 ng
RT: 7.429 min Scan# 739
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:128 Resp: 104925

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.3	52.3
64	54.7	37.0	77.0

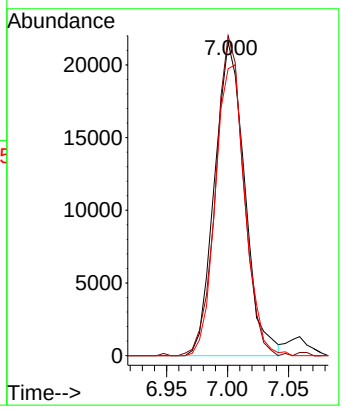




#9
Benzaldehyde
Concen: 21.027 ng
RT: 7.000 min Scan# 6
Delta R.T. -0.007 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion: 77 Resp: 3695

Ion	Ratio	Lower	Upper
77	100		
105	102.0	75.5	115.5
106	91.5	74.2	114.2



Instrument :
BNA_G
ClientSampleId :
PB167027BS

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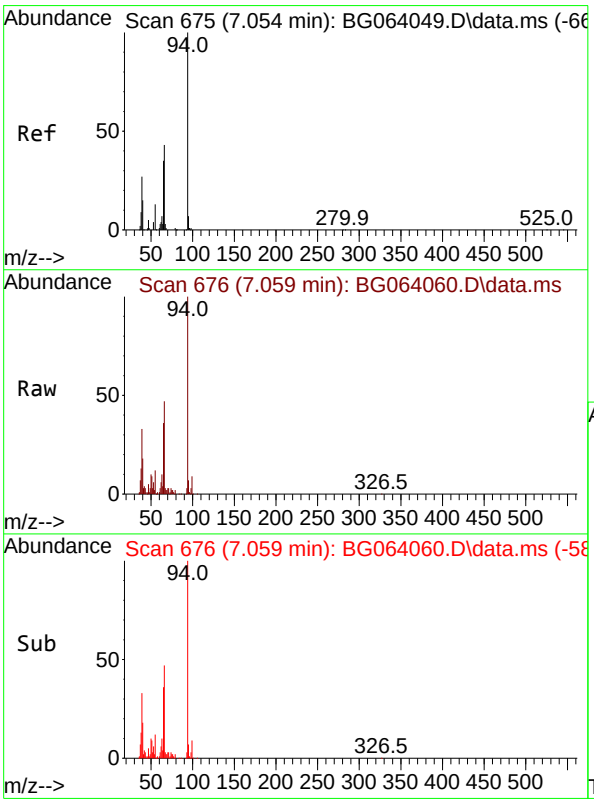
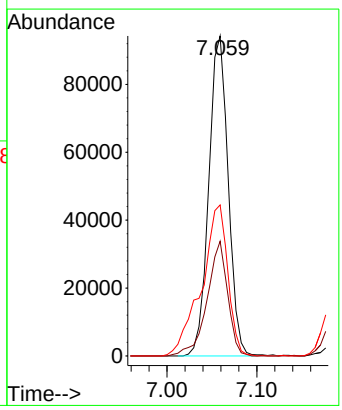
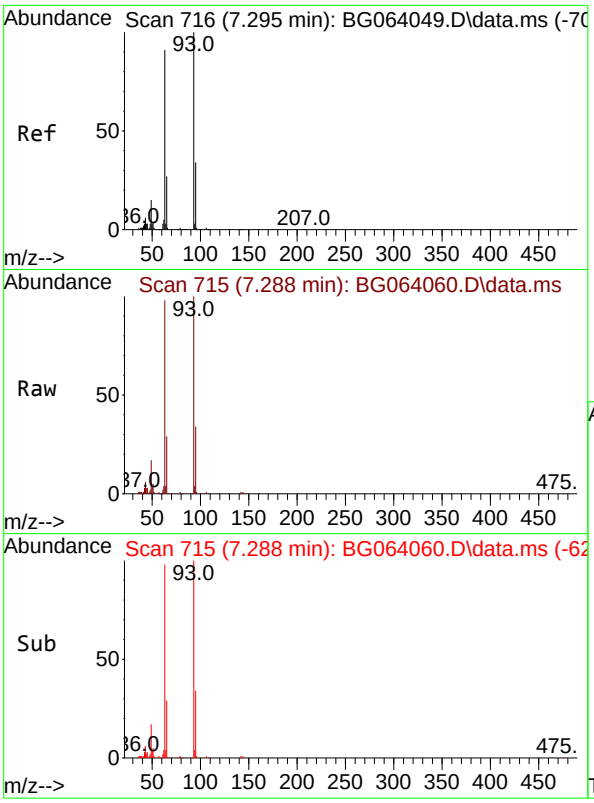


#10
Phenol
Concen: 45.689 ng
RT: 7.059 min Scan# 676
Delta R.T. 0.005 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion: 94 Resp: 141366

Ion	Ratio	Lower	Upper
94	100		
65	35.8	15.2	55.2
66	47.2	25.1	65.1

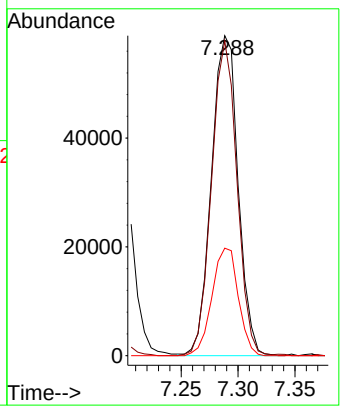




#11
bis(2-Chloroethyl)ether
Concen: 39.524 ng
RT: 7.288 min Scan# 7
Delta R.T. -0.007 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion: 93 Resp: 9587

Ion	Ratio	Lower	Upper
93	100		
63	98.3	70.0	110.0
95	33.6	13.7	53.7



Instrument :
BNA_G
ClientSampleId :
PB167027BS

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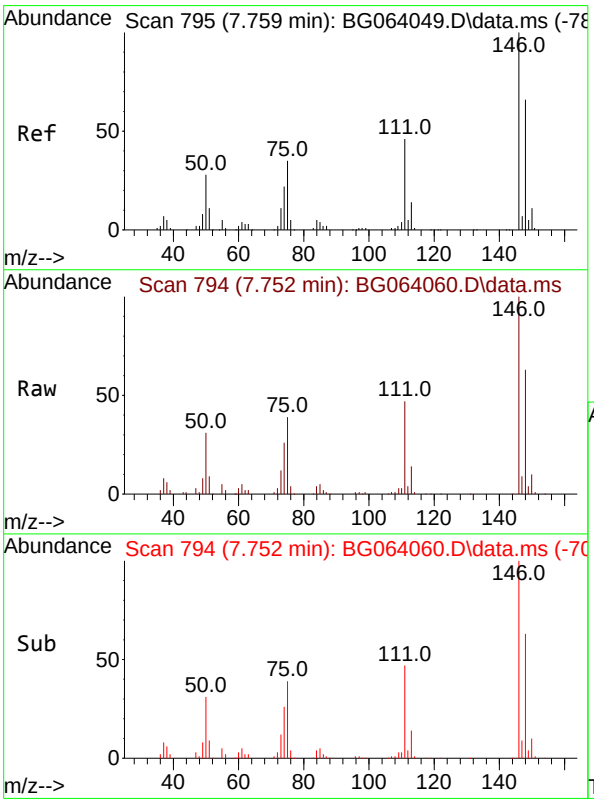
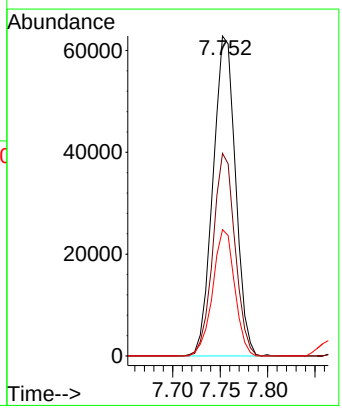
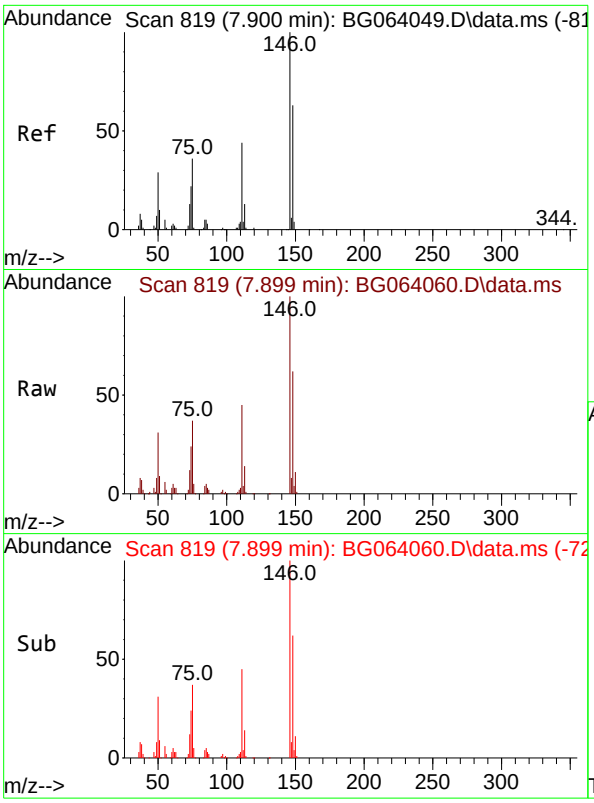


#12
1,3-Dichlorobenzene
Concen: 39.683 ng
RT: 7.752 min Scan# 794
Delta R.T. -0.007 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:146 Resp: 103971

Ion	Ratio	Lower	Upper
146	100		
148	63.3	52.6	78.8
75	39.5	28.1	42.1





#13
1,4-Dichlorobenzene
Concen: 40.555 ng
RT: 7.899 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:146 Resp: 10891

Ion	Ratio	Lower	Upper
146	100		
148	61.8	50.6	75.8
111	45.2	35.1	52.7

Instrument :
BNA_G
ClientSampleId :
PB167027BS

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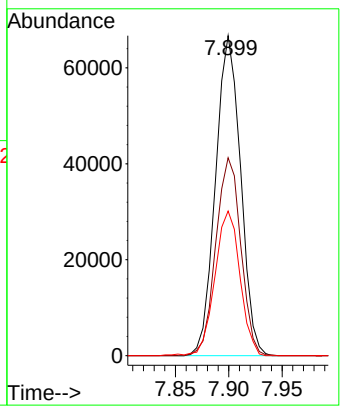
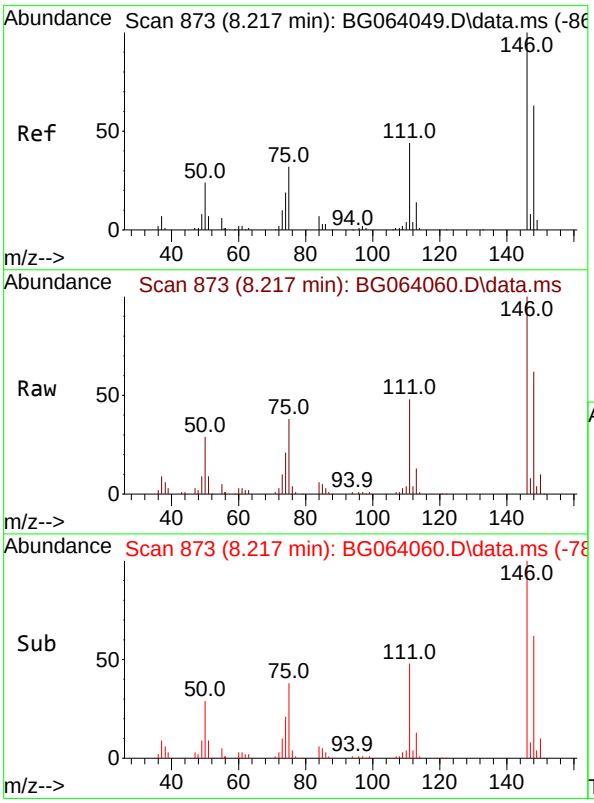
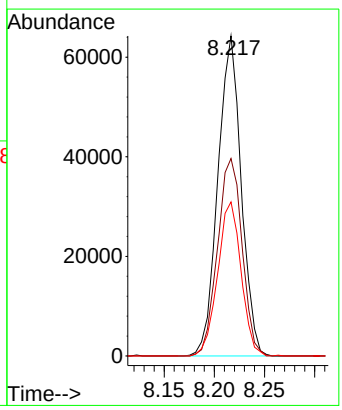


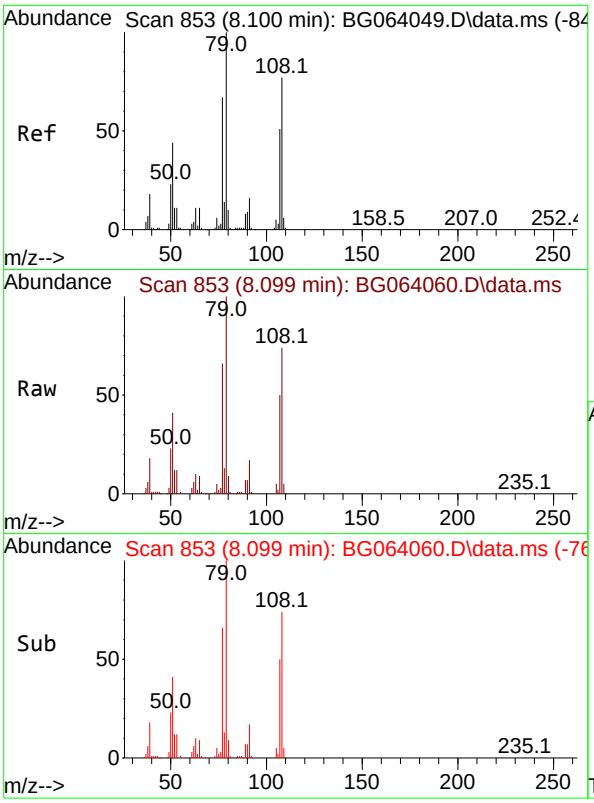


#14
1,2-Dichlorobenzene
Concen: 40.048 ng
RT: 8.217 min Scan# 873
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:146 Resp: 103707

Ion	Ratio	Lower	Upper
146	100		
148	61.7	50.2	75.2
111	48.1	36.4	54.6





#15
Benzyl Alcohol
Concen: 45.286 ng
RT: 8.099 min Scan# 8
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion: 79 Resp: 10575

Ion	Ratio	Lower	Upper
79	100		
108	74.4	61.7	92.5
77	66.5	53.9	80.9

Instrument :
BNA_G
ClientSampleId :
PB167027BS

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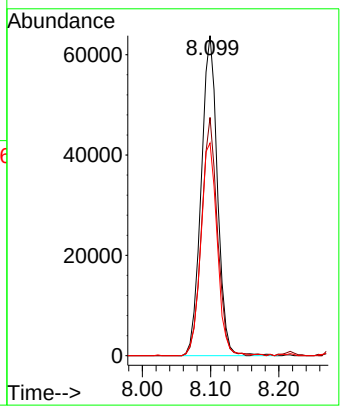
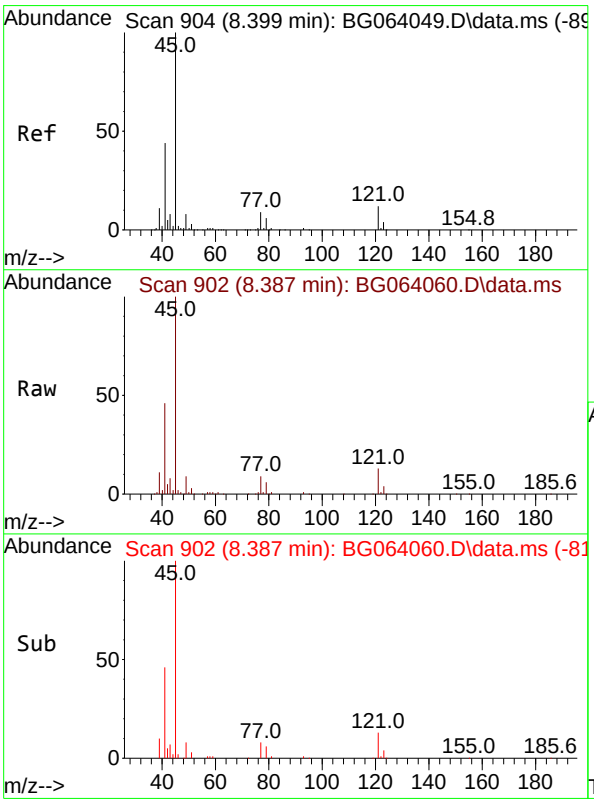
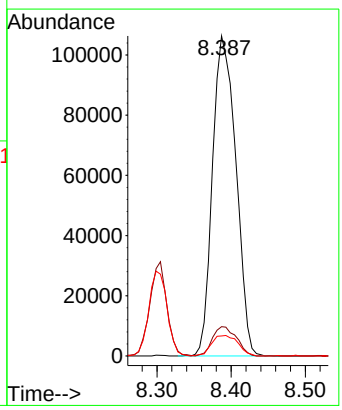


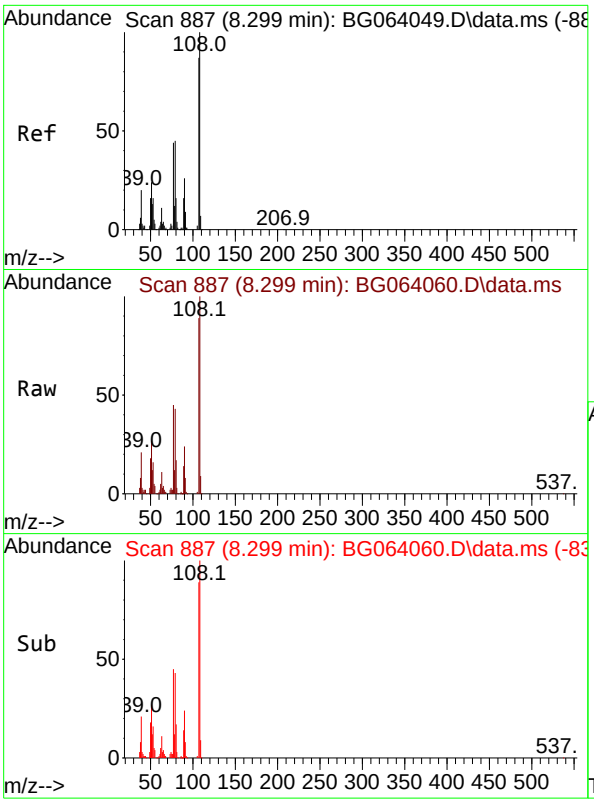


#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.752 ng
RT: 8.387 min Scan# 902
Delta R.T. -0.012 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion: 45 Resp: 233187

Ion	Ratio	Lower	Upper
45	100		
77	9.1	0.0	29.0
79	6.3	0.0	26.6

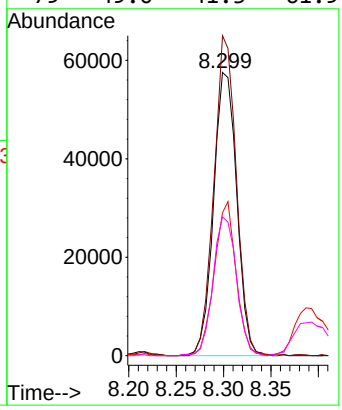




#17
2-Methylphenol
Concen: 47.757 ng
RT: 8.299 min Scan# 8
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:107 Resp: 9807

Ion	Ratio	Lower	Upper
107	100		
108	113.0	92.5	138.7
77	50.5	40.5	60.7
79	49.0	41.3	61.9



Instrument :
BNA_G
ClientSampleId :
PB167027BS

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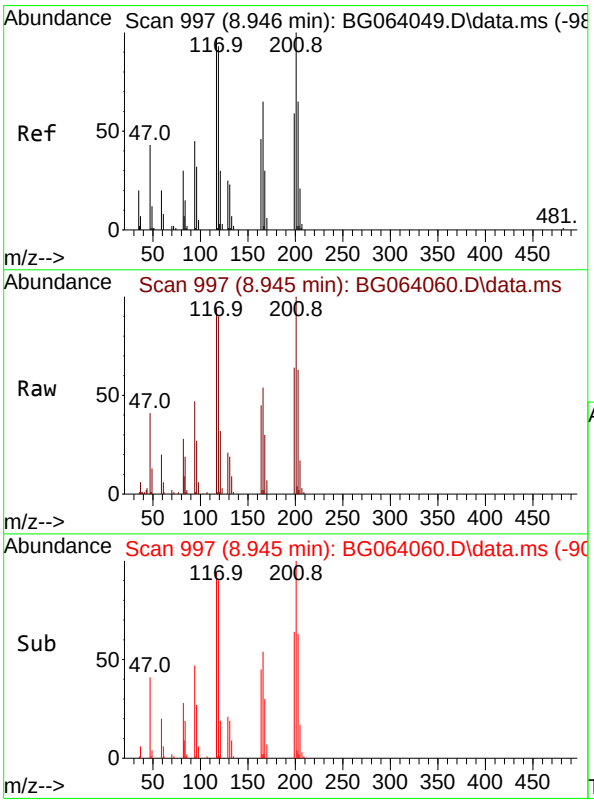
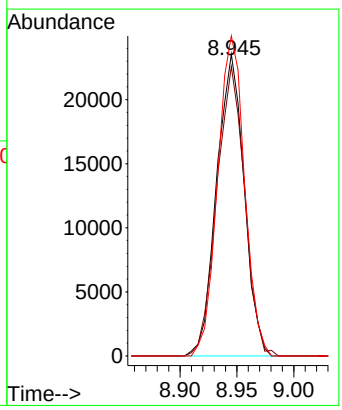
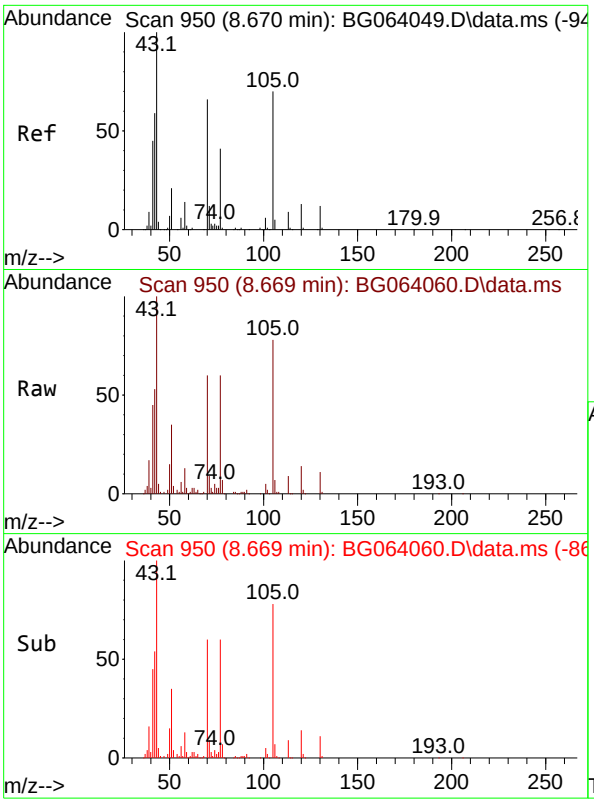


#18
Hexachloroethane
Concen: 42.043 ng
RT: 8.945 min Scan# 997
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:117 Resp: 39503

Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.2	114.2
201	106.0	81.5	122.3

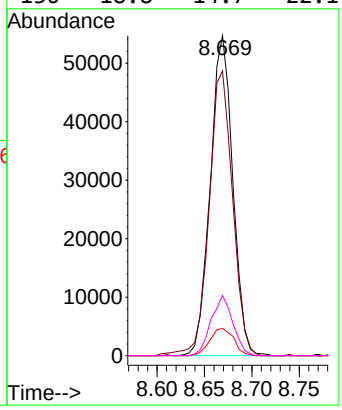




#19
n-Nitroso-di-n-propylamine
Concen: 42.590 ng
RT: 8.669 min Scan# 9
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion: 70 Resp: 9032

Ion	Ratio	Lower	Upper
70	100		
42	89.0	72.1	108.1
101	8.5	7.2	10.8
130	18.8	14.7	22.1



Instrument :
BNA_G
ClientSampleId :
PB167027BS

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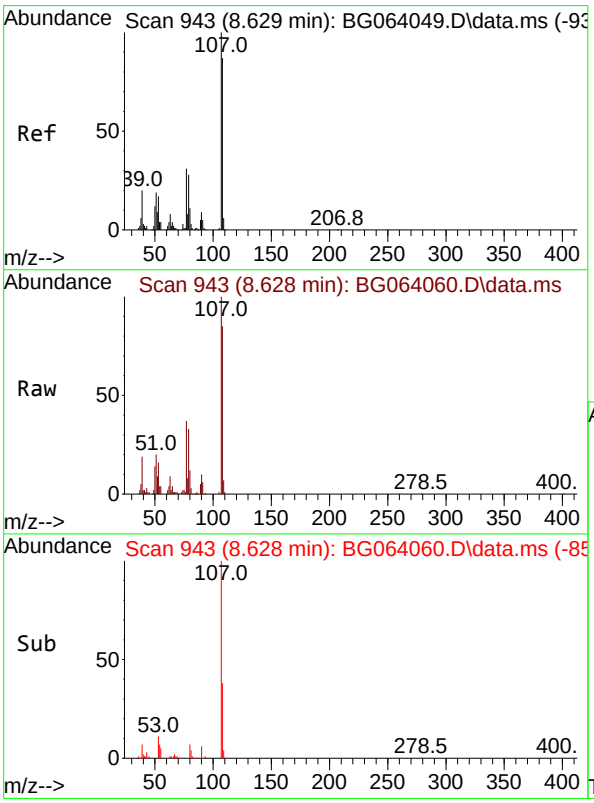
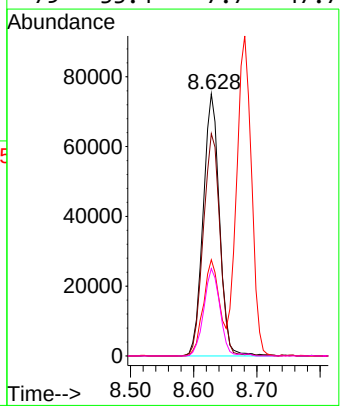
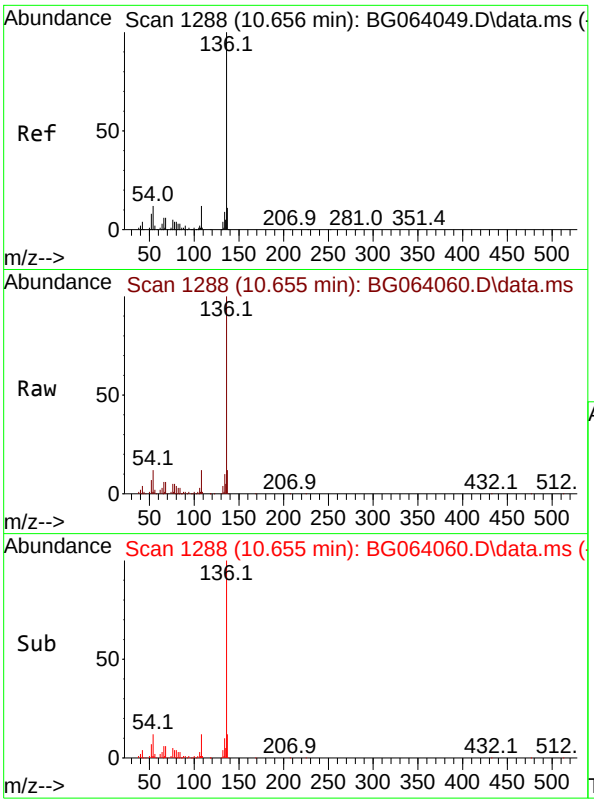


#20
3+4-Methylphenols
Concen: 47.714 ng
RT: 8.628 min Scan# 943
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:107 Resp: 134891

Ion	Ratio	Lower	Upper
107	100		
108	84.8	67.0	107.0
77	36.7	11.2	51.2
79	33.4	7.7	47.7

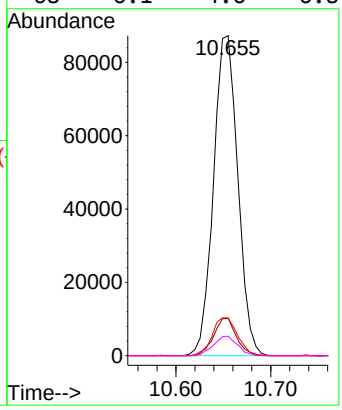




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.655 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:136 Resp: 15564

Ion	Ratio	Lower	Upper
136	100		
137	11.7	8.5	12.7
54	11.8	9.9	14.9
68	6.1	4.6	6.8



Instrument :
BNA_G
ClientSampleId :
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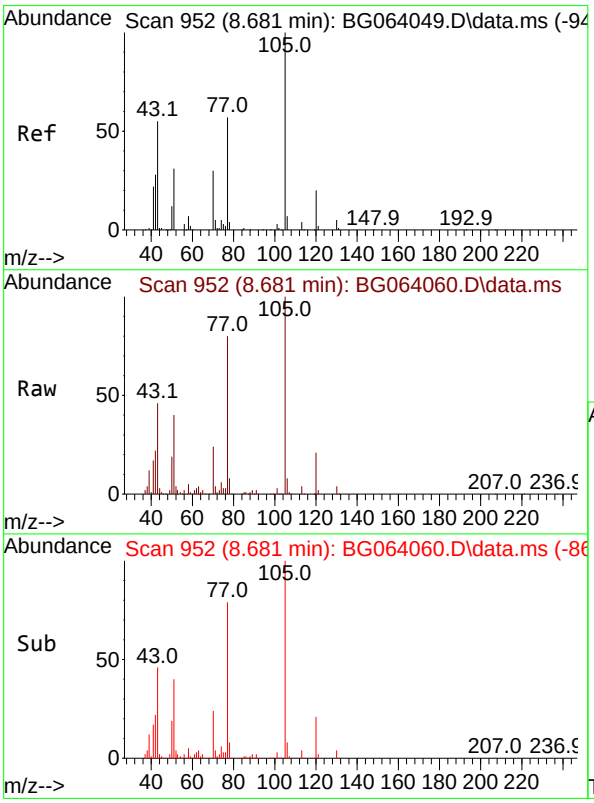
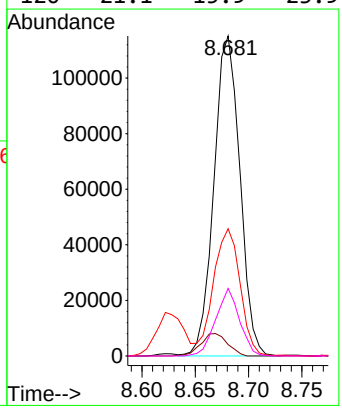
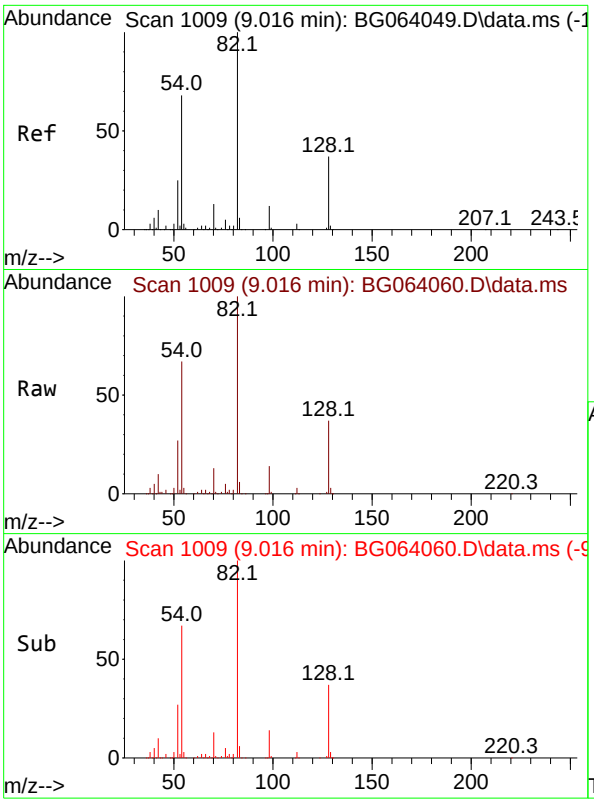


#22
Acetophenone
Concen: 45.671 ng
RT: 8.681 min Scan# 952
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:105 Resp: 194894

Ion	Ratio	Lower	Upper
105	100		
71	3.6	4.2	6.4#
51	39.7	33.3	49.9
120	21.1	15.9	23.9

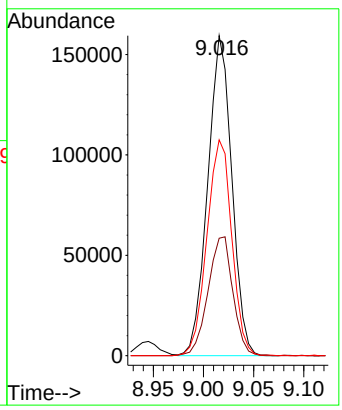




#23
Nitrobenzene-d5
Concen: 94.326 ng
RT: 9.016 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion: 82 Resp: 26566

Ion	Ratio	Lower	Upper
82	100		
128	36.7	30.0	45.0
54	67.4	54.7	82.1



Instrument :
BNA_G
ClientSampleId :
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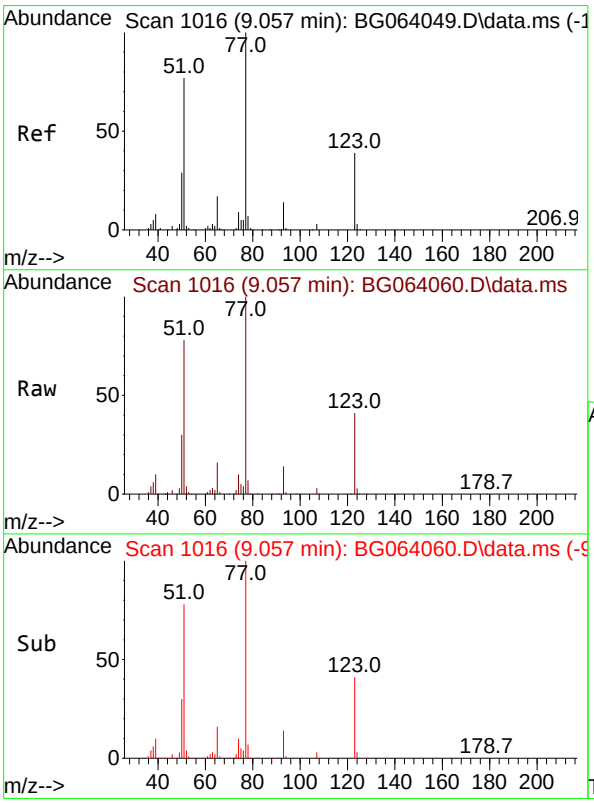
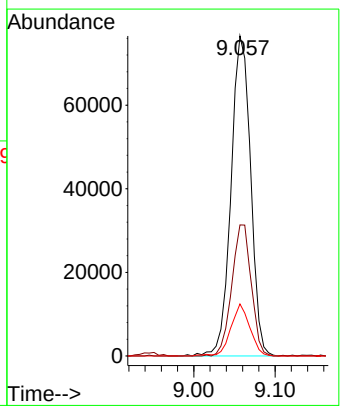
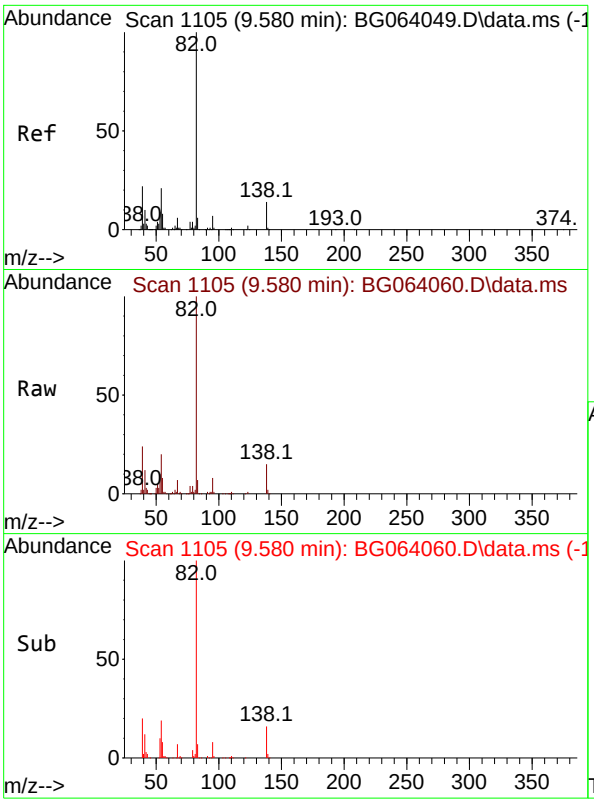


#24
Nitrobenzene
Concen: 44.058 ng
RT: 9.057 min Scan# 1016
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion: 77 Resp: 128238

Ion	Ratio	Lower	Upper
77	100		
123	41.0	31.4	47.2
65	16.2	13.4	20.0

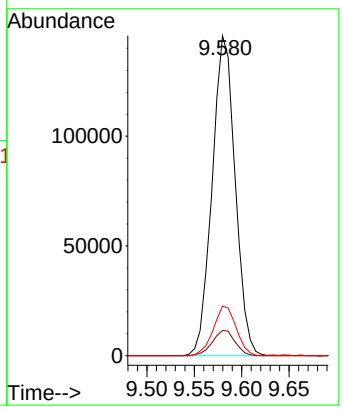




#25
Isophorone
Concen: 43.692 ng
RT: 9.580 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion: 82 Resp: 24629

Ion	Ratio	Lower	Upper
82	100		
95	7.9	5.8	8.8
138	15.5	10.9	16.3



Instrument :
BNA_G
ClientSampleId :
PB167027BS

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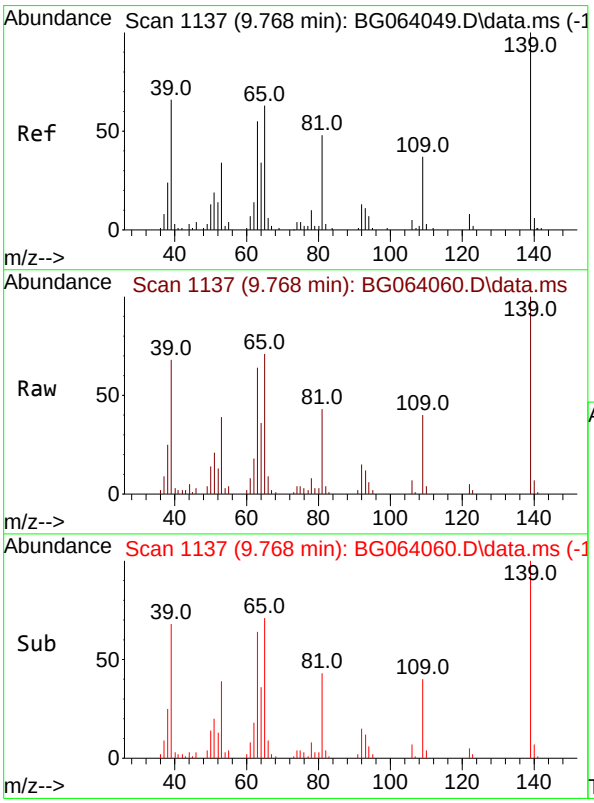
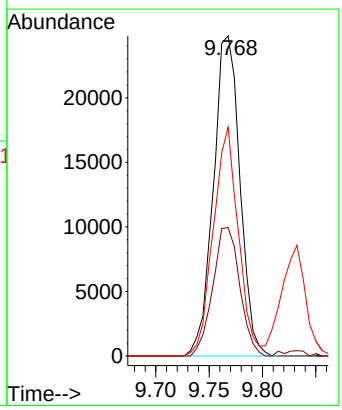
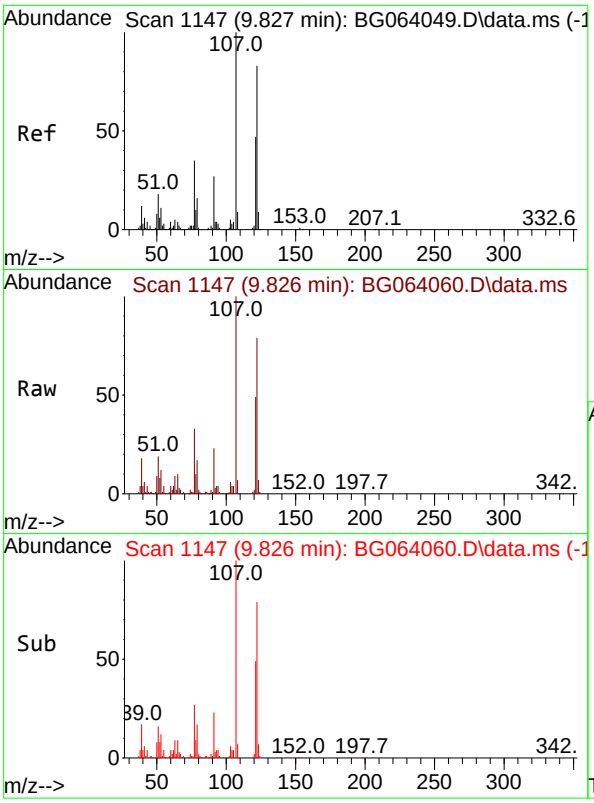


#26
2-Nitrophenol
Concen: 43.608 ng
RT: 9.768 min Scan# 1137
Delta R.T. -0.000 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:139 Resp: 42881

Ion	Ratio	Lower	Upper
139	100		
109	40.1	29.9	44.9
65	71.4	50.6	76.0





#27
2,4-Dimethylphenol
Concen: 60.013 ng
RT: 9.826 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:122 Resp: 10141

Ion	Ratio	Lower	Upper
122	100		
107	127.0	95.4	143.0
121	62.3	44.9	67.3

Instrument :
BNA_G
ClientSampleId :
PB167027BS

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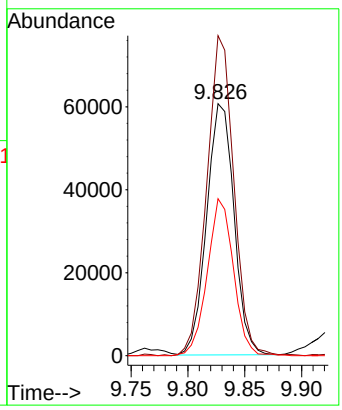
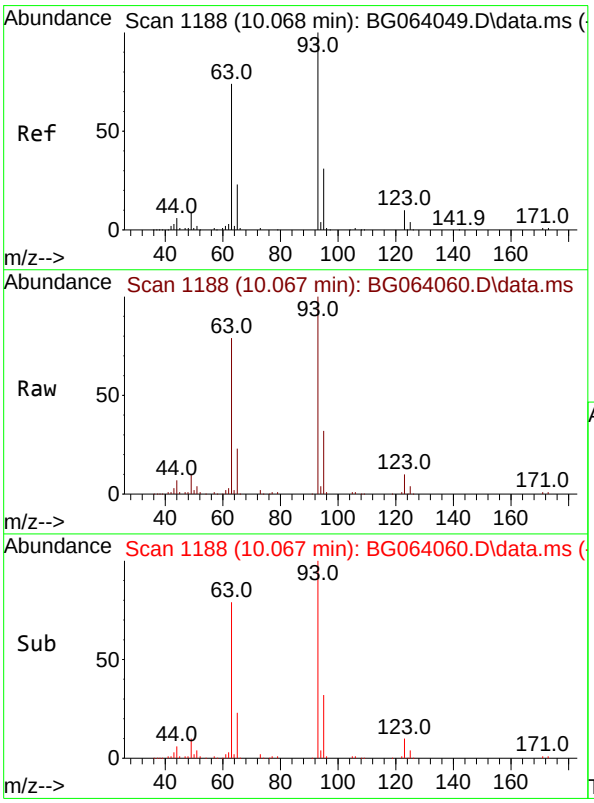
Supervised By :Jagrut Upadhyay 03/10/2025

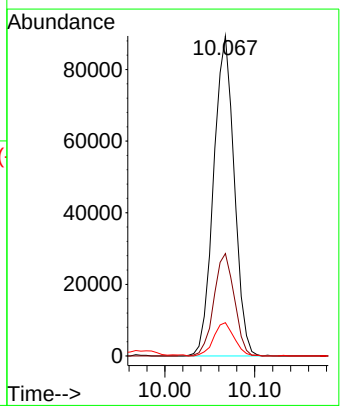


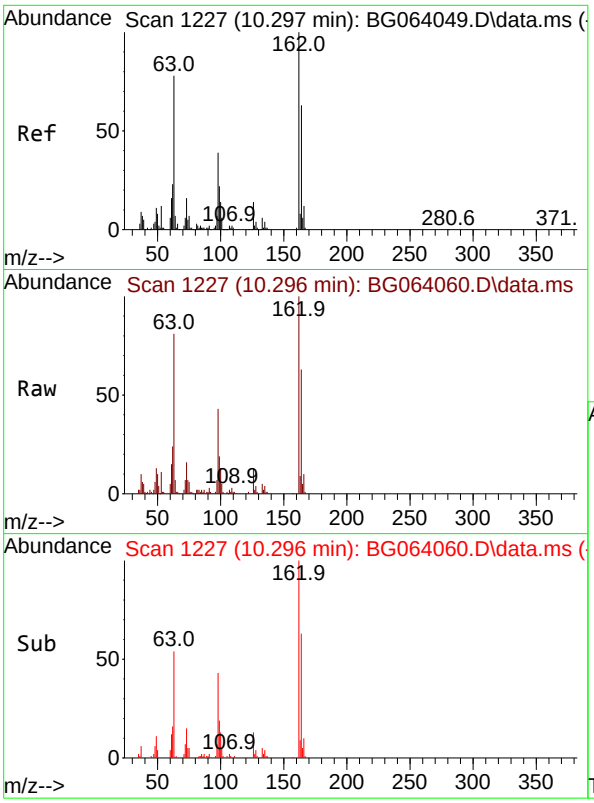


#28
bis(2-Chloroethoxy)methane
Concen: 41.677 ng
RT: 10.067 min Scan# 1188
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion: 93 Resp: 142441

Ion	Ratio	Lower	Upper
93	100		
95	32.0	25.0	37.4
123	10.4	7.6	11.4





#29
2,4-Dichlorophenol
Concen: 48.069 ng
RT: 10.296 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:162 Resp: 10257

Ion	Ratio	Lower	Upper
162	100		
164	62.8	42.8	82.8
98	43.2	19.1	59.1

Instrument :
BNA_G
ClientSampleId :
PB167027BS

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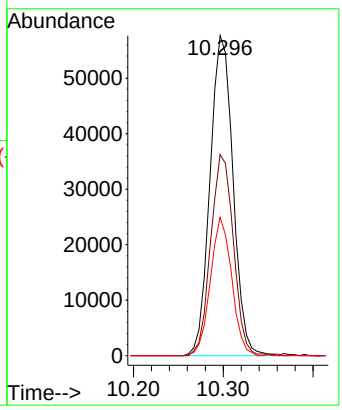
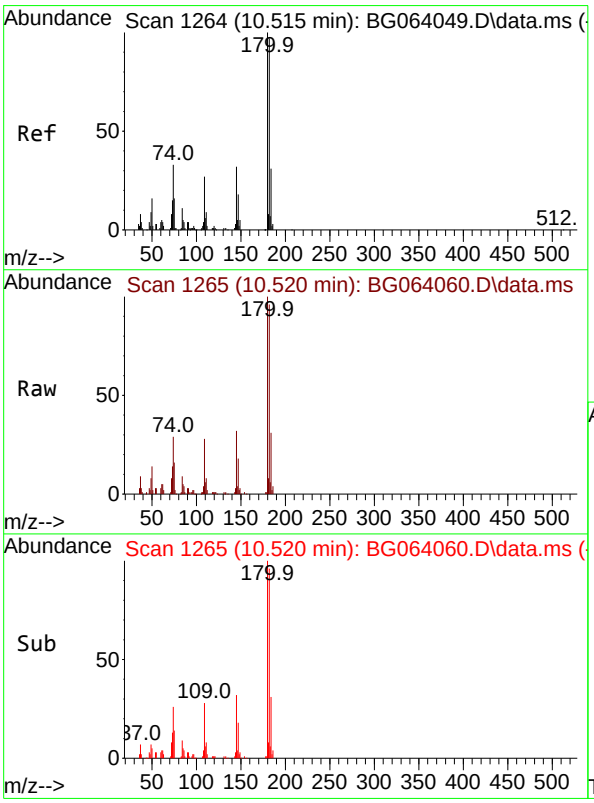
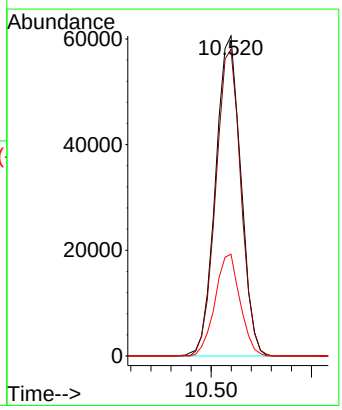


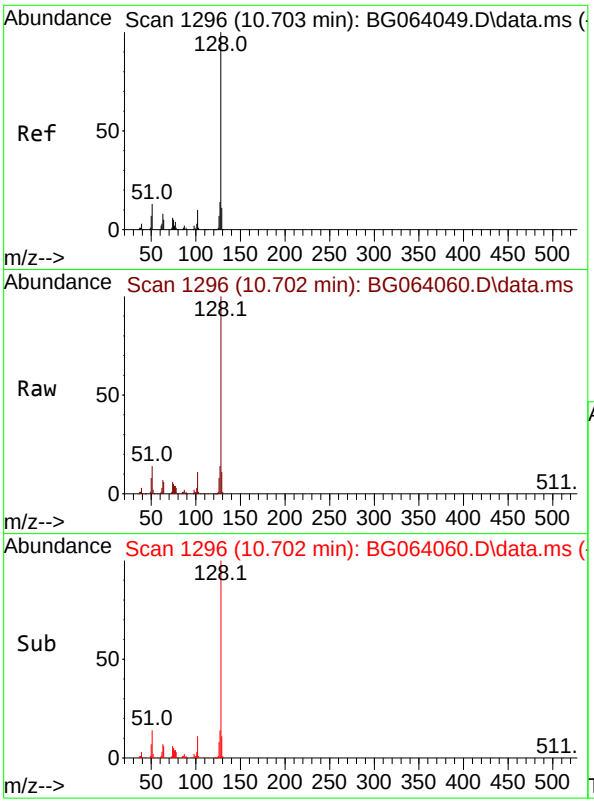


#30
1,2,4-Trichlorobenzene
Concen: 40.990 ng
RT: 10.520 min Scan# 1265
Delta R.T. 0.005 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:180 Resp: 105591

Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.3	115.9
145	31.8	25.2	37.8

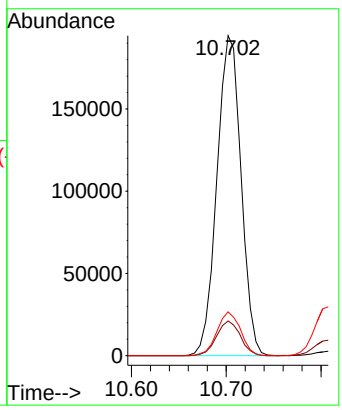




#31
Naphthalene
Concen: 41.054 ng
RT: 10.702 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:128 Resp: 34455

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.4	12.6
127	13.7	11.1	16.7



Instrument :
BNA_G
ClientSampleId :
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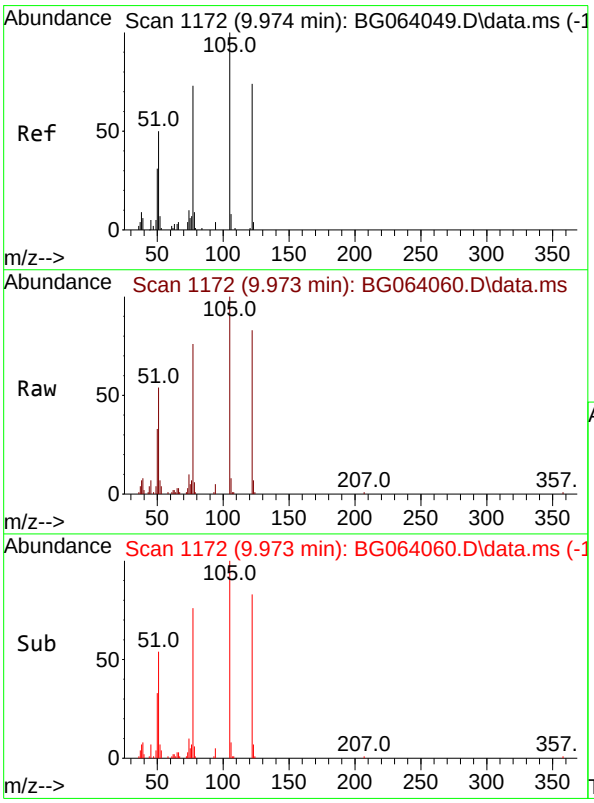
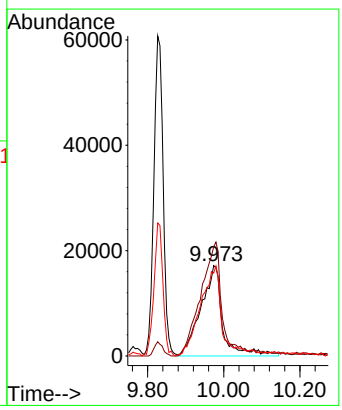
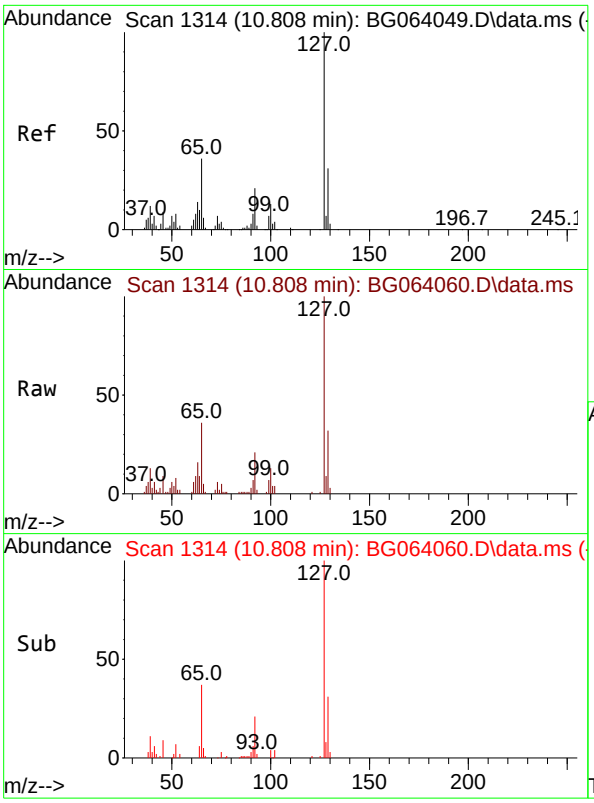


#32
Benzoic acid
Concen: 44.818 ng m
RT: 9.973 min Scan# 1172
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:122 Resp: 68460

Ion	Ratio	Lower	Upper
122	100		
105	120.9	115.0	155.0
77	91.7	80.9	120.9

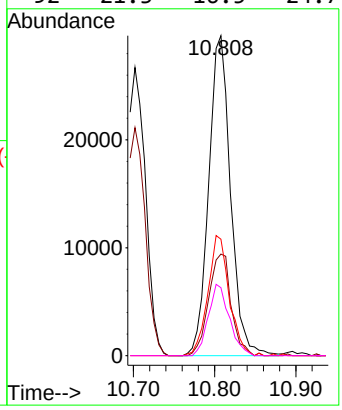




#33
4-Chloroaniline
Concen: 18.076 ng
RT: 10.808 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:127 Resp: 5544

Ion	Ratio	Lower	Upper
127	100		
129	31.7	25.0	37.4
65	36.4	28.5	42.7
92	21.3	16.5	24.7



Instrument :
BNA_G
ClientSampleId :
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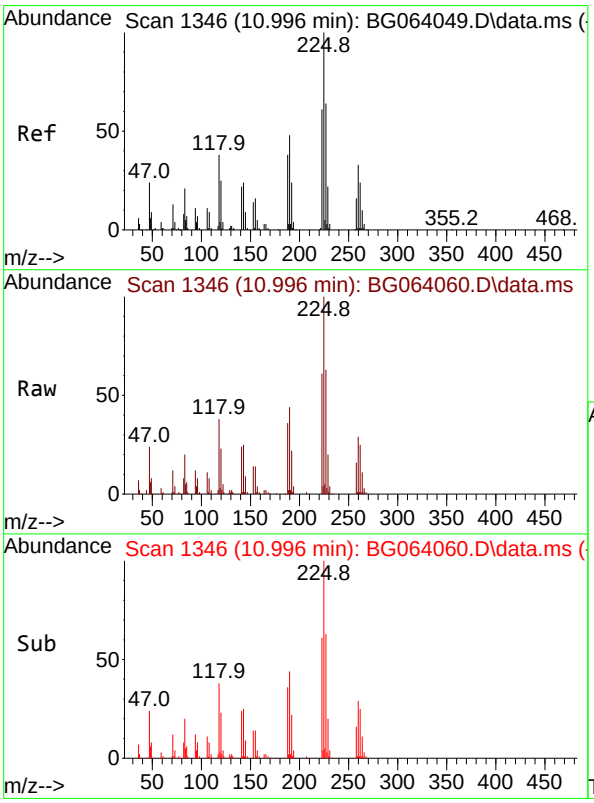
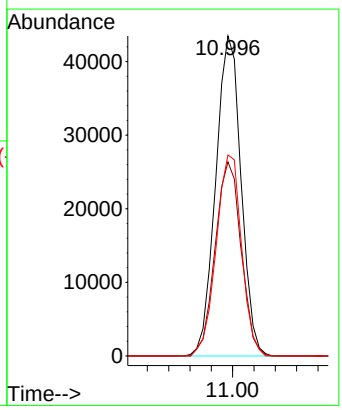
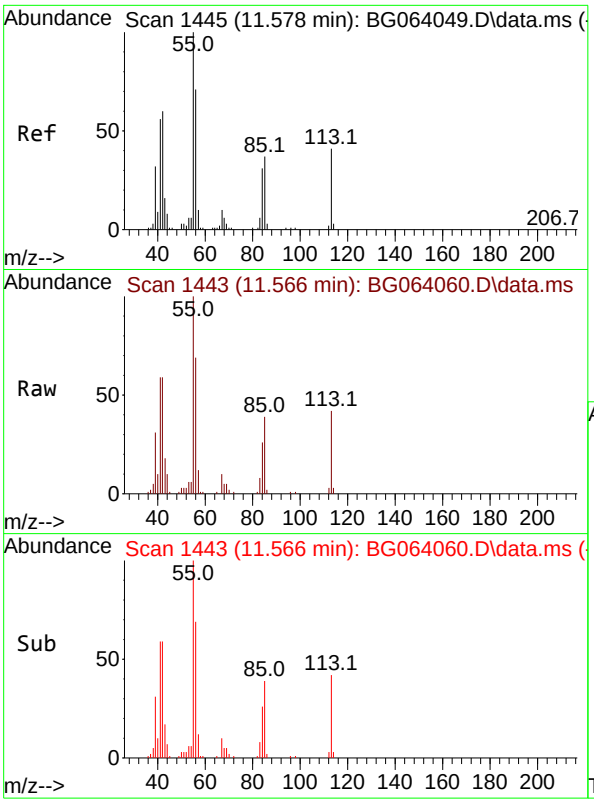


#34
Hexachlorobutadiene
Concen: 42.415 ng
RT: 10.996 min Scan# 1346
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:225 Resp: 71617

Ion	Ratio	Lower	Upper
225	100		
223	60.7	48.5	72.7
227	62.8	51.0	76.6

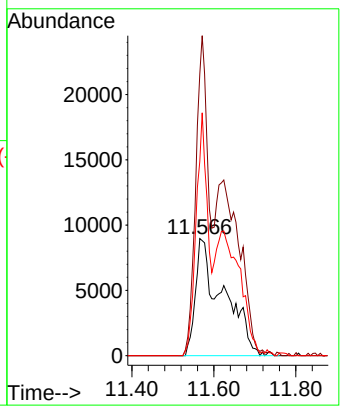




#35
Caprolactam
Concen: 51.932 ng m
RT: 11.566 min Scan# 14
Delta R.T. -0.012 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:113 Resp: 4246

Ion	Ratio	Lower	Upper
113	100		
55	240.6	225.2	265.2
56	166.0	153.4	193.4



Instrument :
BNA_G
ClientSampleId :
PB167027BS

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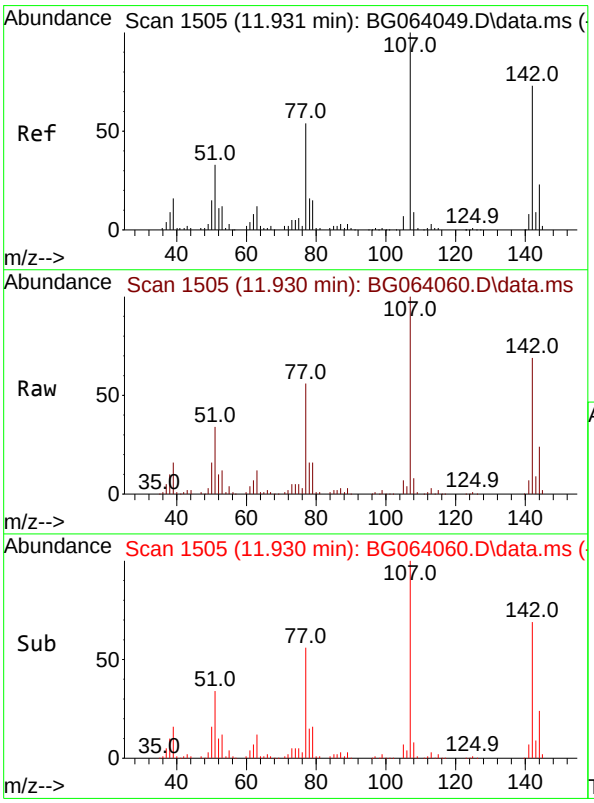
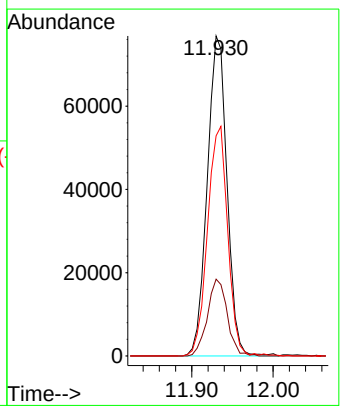
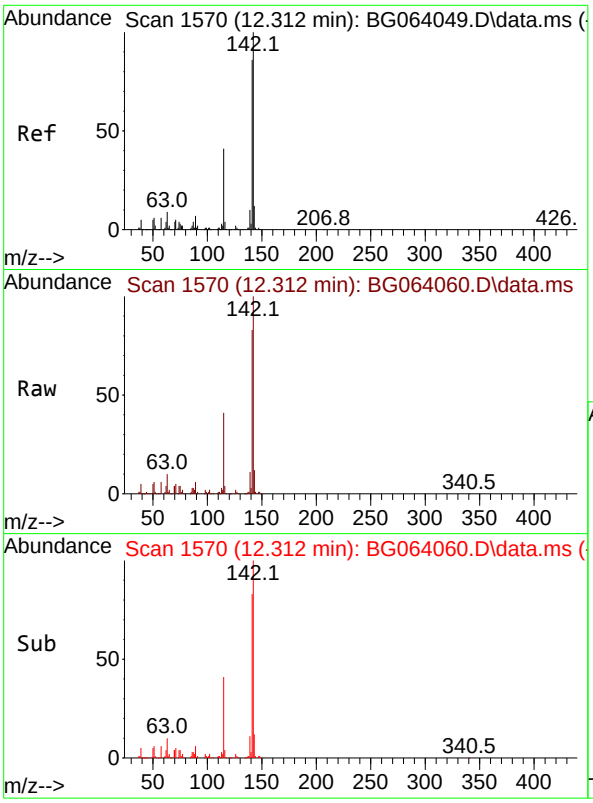


#36
4-Chloro-3-methylphenol
Concen: 46.372 ng
RT: 11.930 min Scan# 1505
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:107 Resp: 129710

Ion	Ratio	Lower	Upper
107	100		
144	24.0	18.6	28.0
142	68.8	58.0	87.0

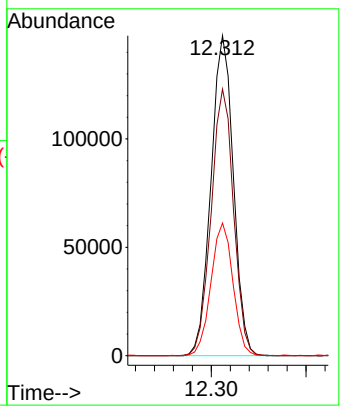




#37
2-Methylnaphthalene
Concen: 40.855 ng
RT: 12.312 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:142 Resp: 24205

Ion	Ratio	Lower	Upper
142	100		
141	83.3	68.6	103.0
115	41.5	32.8	49.2



Instrument :
BNA_G
ClientSampleId :
PB167027BS

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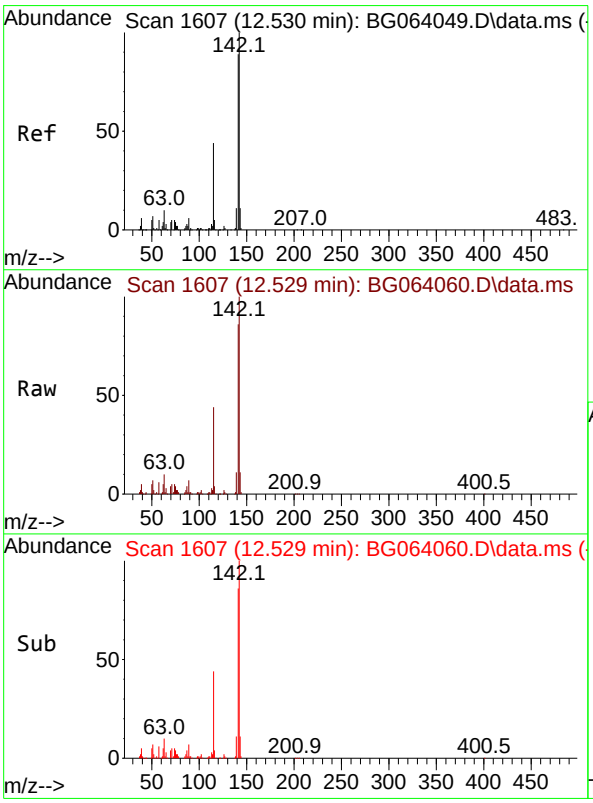
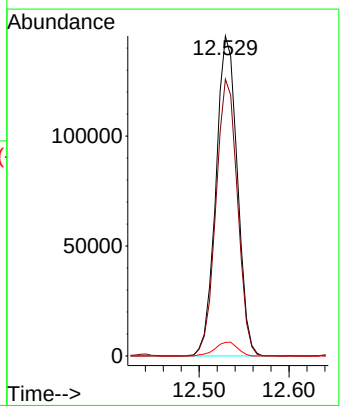
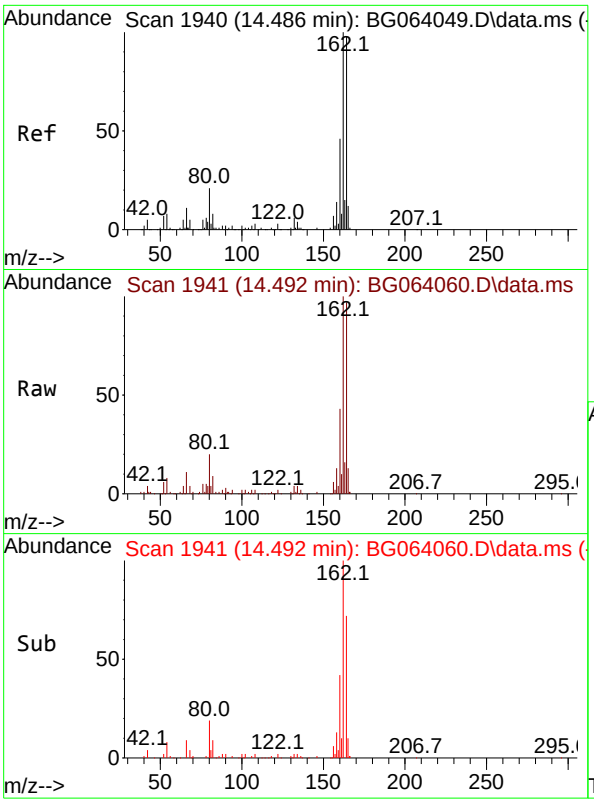


#38
1-Methylnaphthalene
Concen: 41.453 ng
RT: 12.529 min Scan# 1607
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:142 Resp: 240617

Ion	Ratio	Lower	Upper
142	100		
141	86.5	71.2	106.8
116	4.2	3.6	5.4

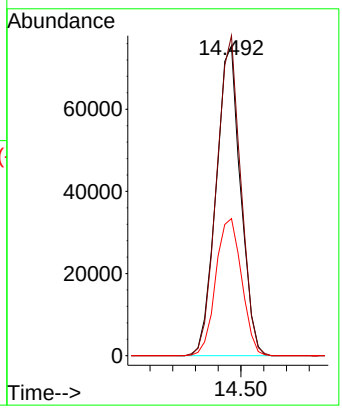




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.492 min Scan# 1
Delta R.T. 0.006 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:164 Resp: 11258

Ion	Ratio	Lower	Upper
164	100		
162	103.3	81.4	122.0
160	44.3	37.0	55.6



Instrument :
BNA_G
ClientSampleId :
PB167027BS

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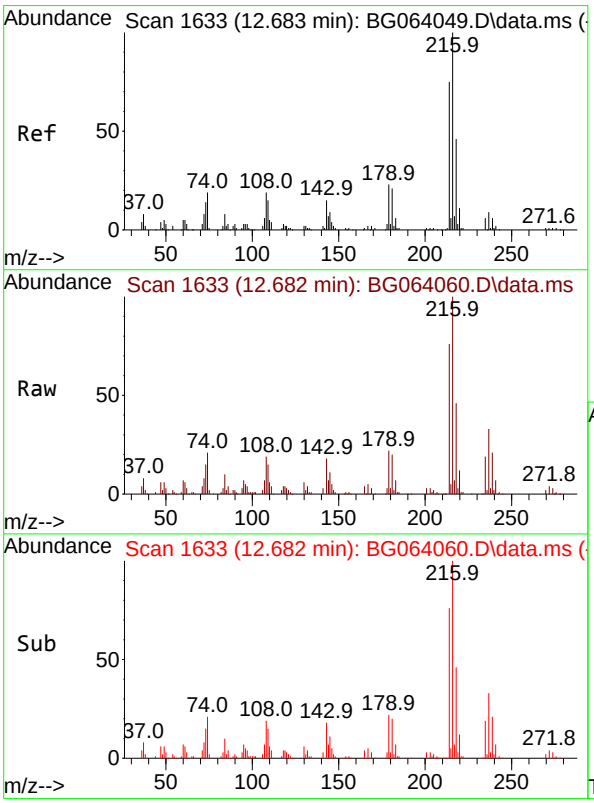
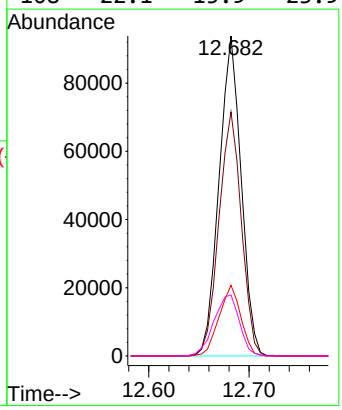
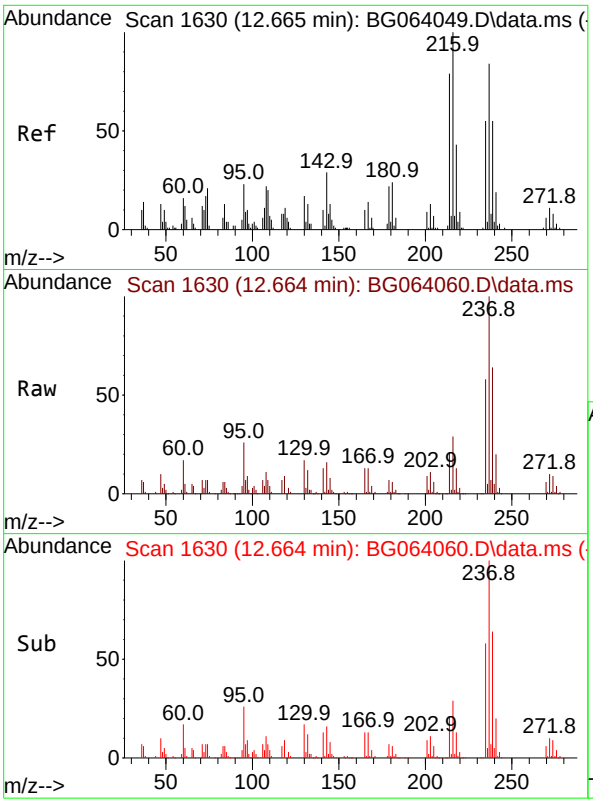


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.522 ng
RT: 12.682 min Scan# 1633
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:216 Resp: 143110

Ion	Ratio	Lower	Upper
216	100		
214	77.3	61.7	92.5
179	21.8	17.9	26.9
108	22.1	15.9	23.9

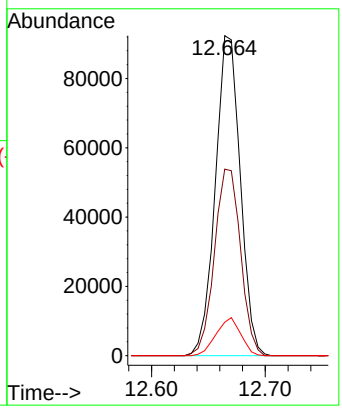




#41
Hexachlorocyclopentadiene
Concen: 155.796 ng
RT: 12.664 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:237 Resp: 14094

Ion	Ratio	Lower	Upper
237	100		
235	58.3	46.0	86.0
272	10.5	0.0	32.8



Instrument :
BNA_G
ClientSampleId :
PB167027BS

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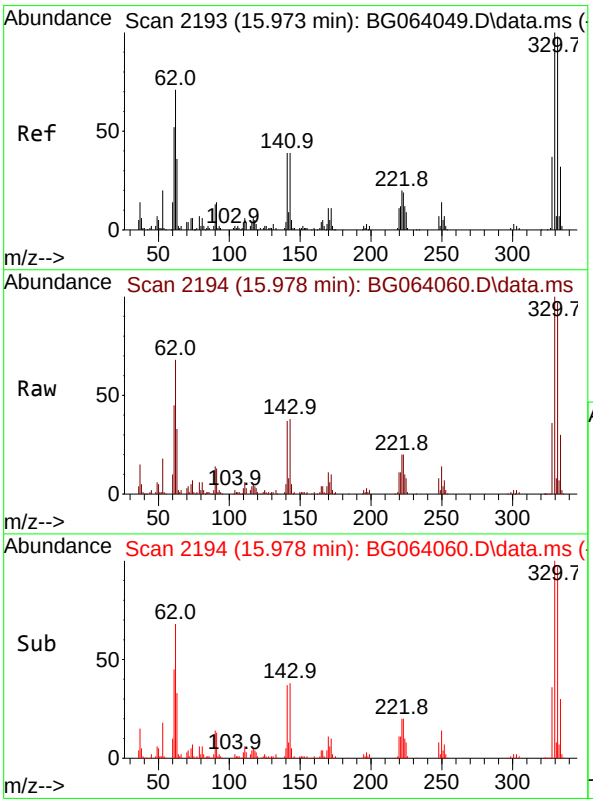
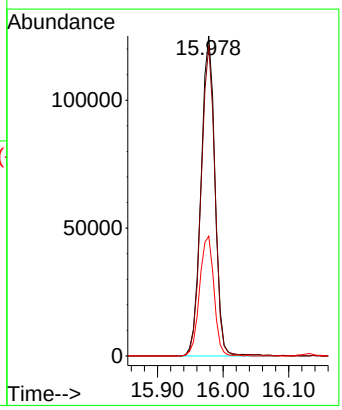
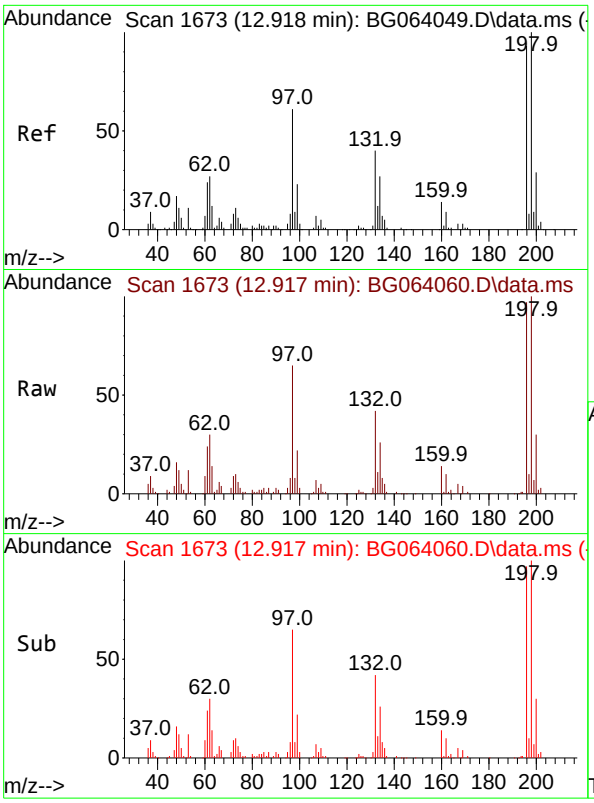


#42
2,4,6-Tribromophenol
Concen: 148.219 ng
RT: 15.978 min Scan# 2194
Delta R.T. 0.005 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:330 Resp: 185497

Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.7	115.1
141	38.6	29.7	44.5

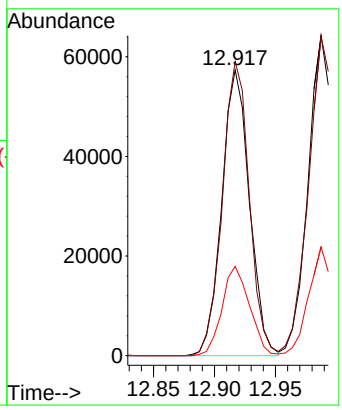




#43
2,4,6-Trichlorophenol
Concen: 47.832 ng
RT: 12.917 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:196 Resp: 9061

Ion	Ratio	Lower	Upper
196	100		
198	102.9	85.6	128.4
200	31.3	24.6	37.0



Instrument :
BNA_G
ClientSampleId :
PB167027BS

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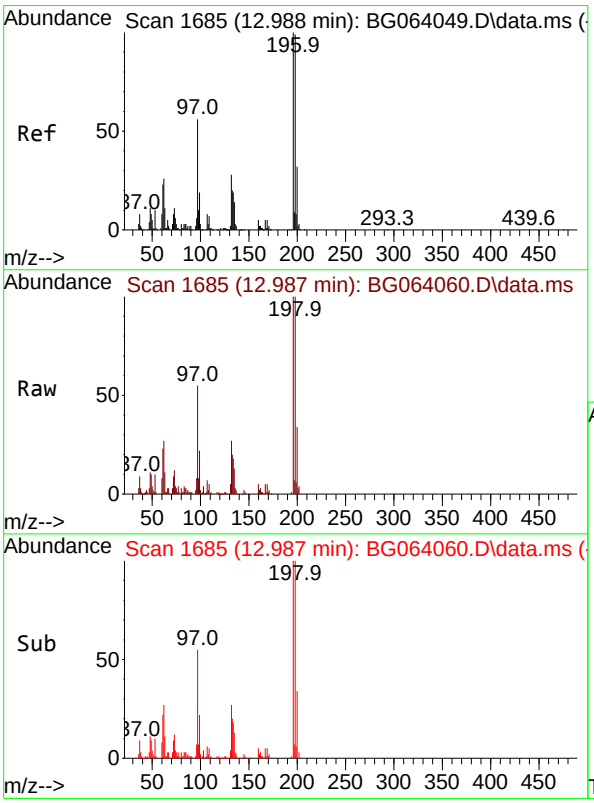
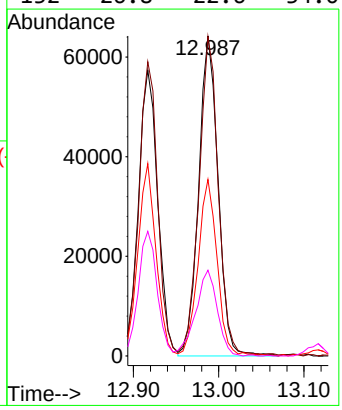
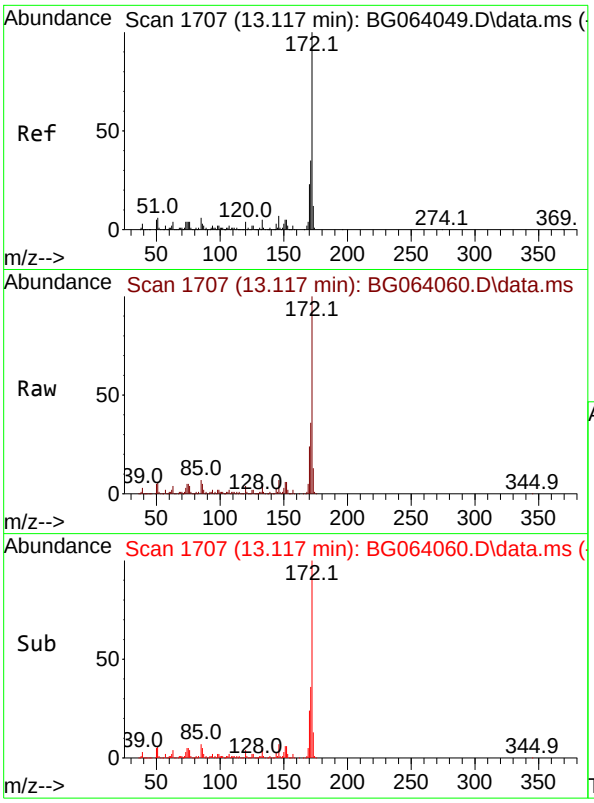


#44
2,4,5-Trichlorophenol
Concen: 48.387 ng
RT: 12.987 min Scan# 1685
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:196 Resp: 101854

Ion	Ratio	Lower	Upper
196	100		
198	99.8	79.5	119.3
97	55.2	45.2	67.8
132	26.8	22.6	34.0

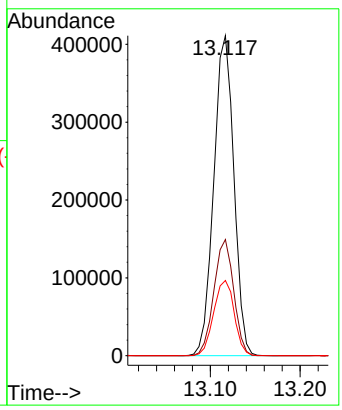




#45
2-Fluorobiphenyl
Concen: 86.073 ng
RT: 13.117 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:172 Resp: 63844

Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.0	42.0
170	23.5	18.7	28.1



Instrument :
BNA_G
ClientSampleId :
PB167027BS

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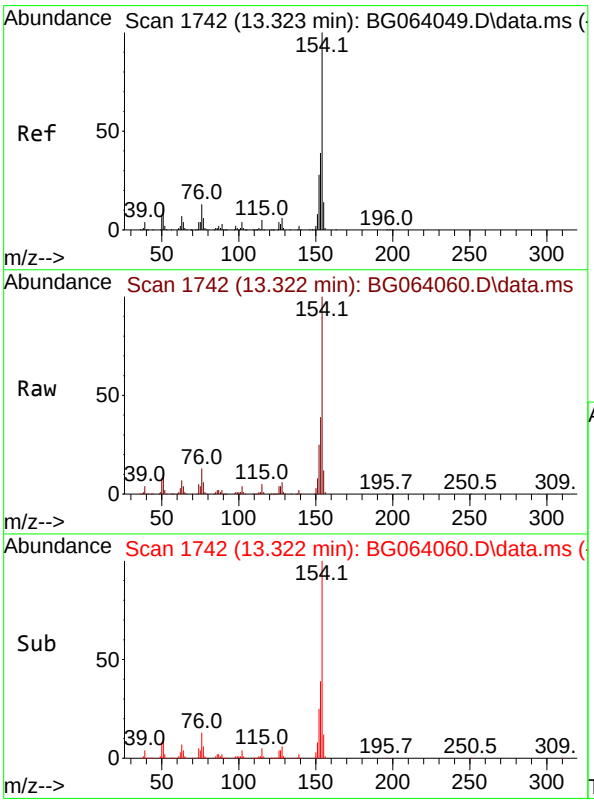
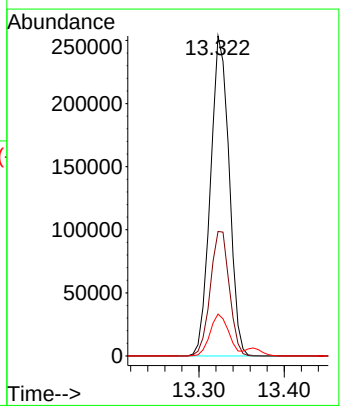
Supervised By :Jagrut Upadhyay 03/10/2025

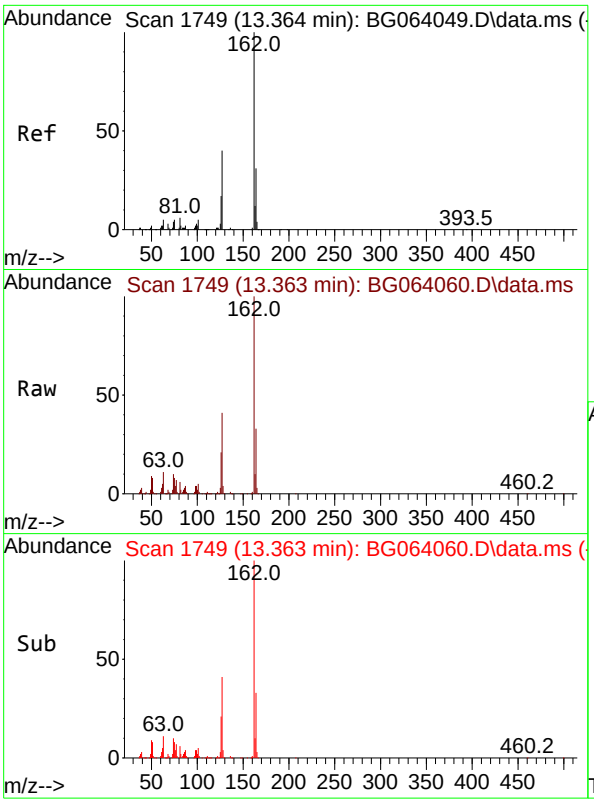


#46
1,1'-Biphenyl
Concen: 45.320 ng
RT: 13.322 min Scan# 1742
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:154 Resp: 385498

Ion	Ratio	Lower	Upper
154	100		
153	38.9	19.5	59.5
76	13.1	0.0	33.5





#47
2-Chloronaphthalene
Concen: 41.856 ng
RT: 13.363 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:162 Resp: 25966

Ion	Ratio	Lower	Upper
162	100		
127	41.2	35.0	52.4
164	32.9	25.0	37.6

Instrument :
BNA_G
ClientSampleId :
PB167027BS

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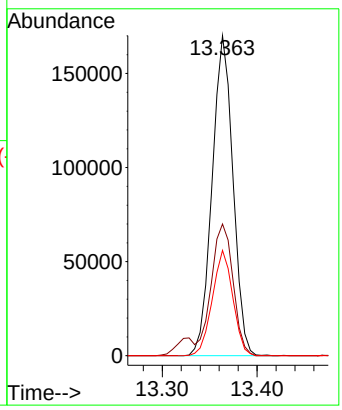
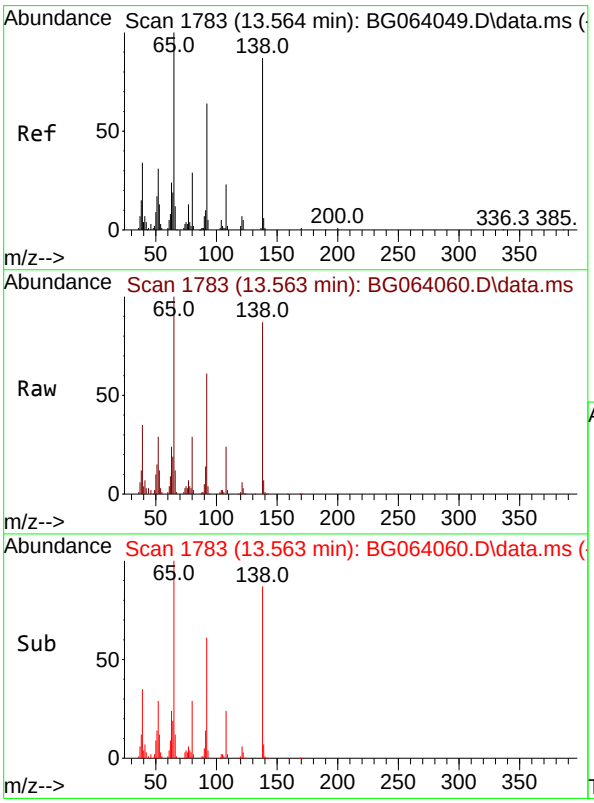
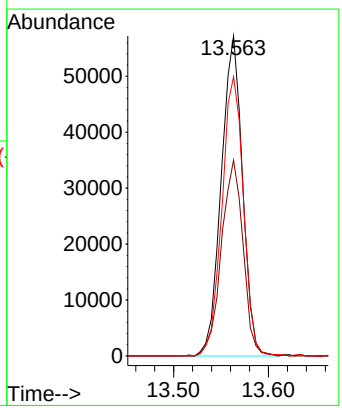


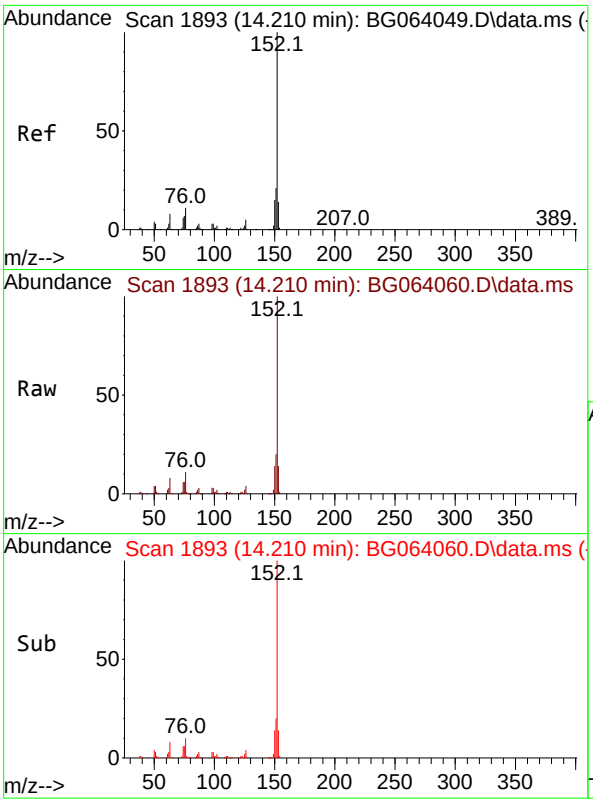


#48
2-Nitroaniline
Concen: 44.061 ng
RT: 13.563 min Scan# 1783
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion: 65 Resp: 89126

Ion	Ratio	Lower	Upper
65	100		
92	61.2	51.2	76.8
138	87.2	69.4	104.2

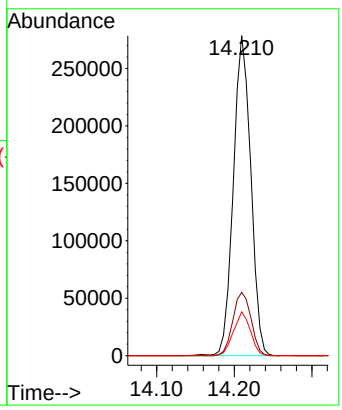




#49
Acenaphthylene
Concen: 44.428 ng
RT: 14.210 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:152 Resp: 43596

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.4	24.6
153	13.7	10.9	16.3



Instrument :
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ClientSampleId :
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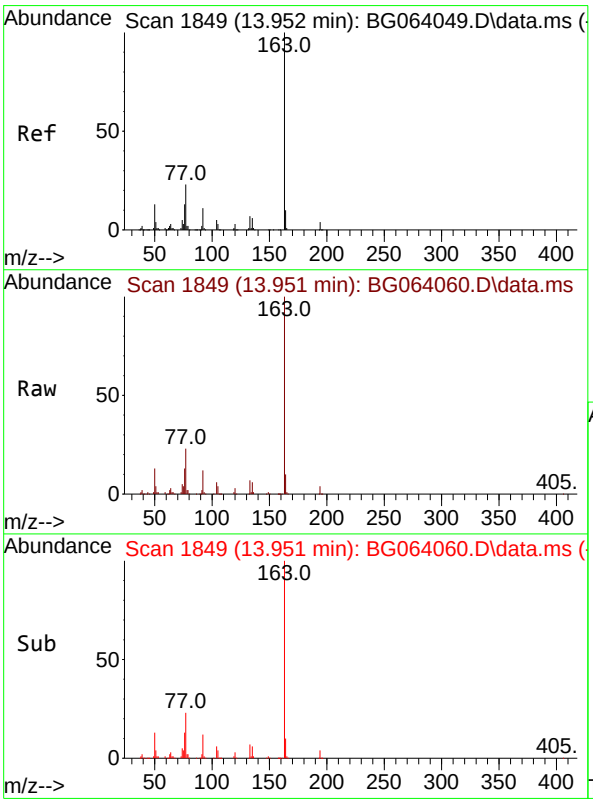
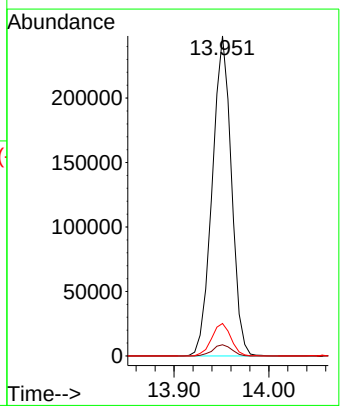
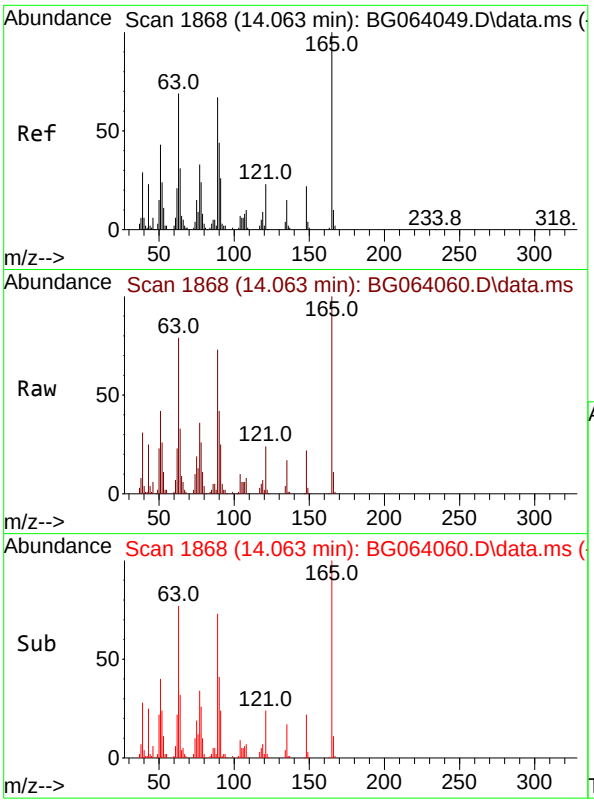


#50
Dimethylphthalate
Concen: 42.022 ng
RT: 13.951 min Scan# 1849
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:163 Resp: 349243

Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.8	4.2
164	10.2	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 42.766 ng
RT: 14.063 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:165 Resp: 7144

Ion	Ratio	Lower	Upper
165	100		
63	79.1	56.7	85.1
89	72.9	53.7	80.5

Instrument :
BNA_G
ClientSampleId :
PB167027BS

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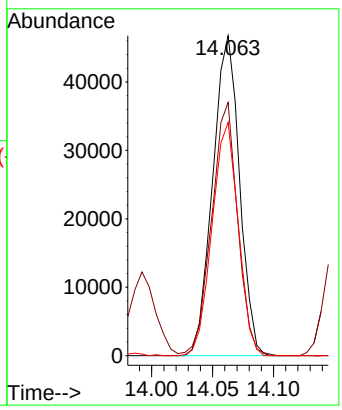
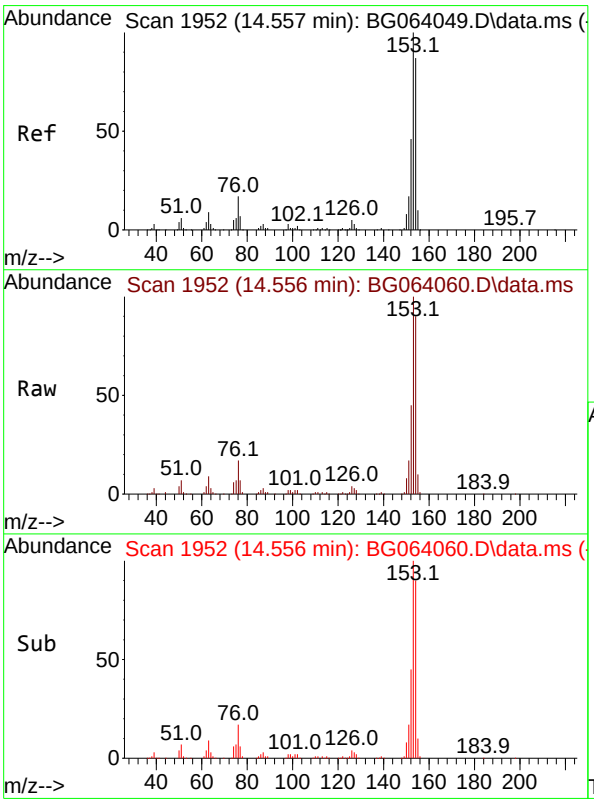
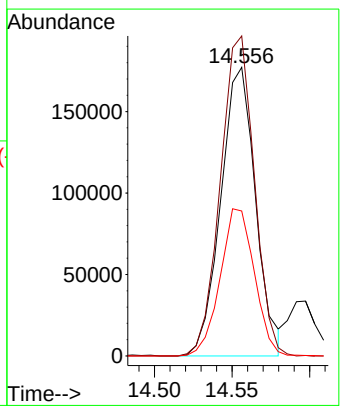


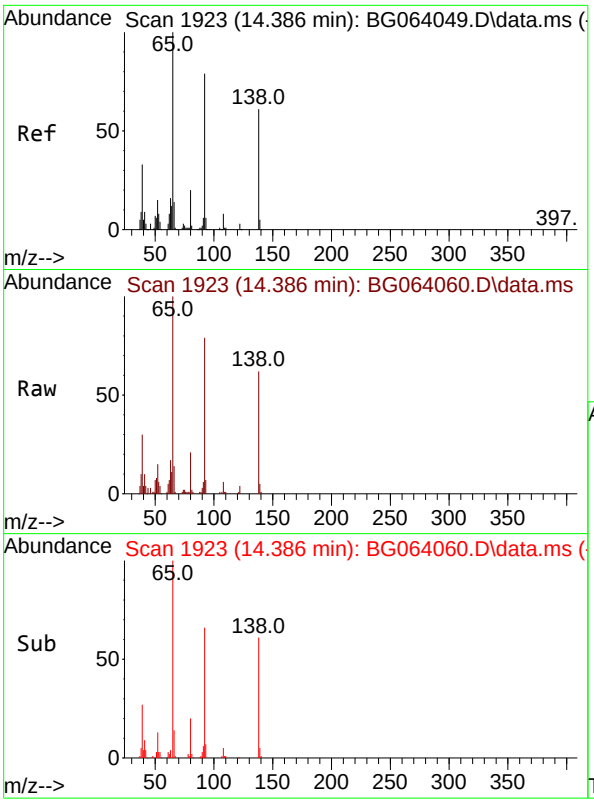


#52
Acenaphthene
Concen: 41.990 ng
RT: 14.556 min Scan# 1952
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:154 Resp: 276523

Ion	Ratio	Lower	Upper
154	100		
153	110.9	91.6	137.4
152	50.2	42.5	63.7

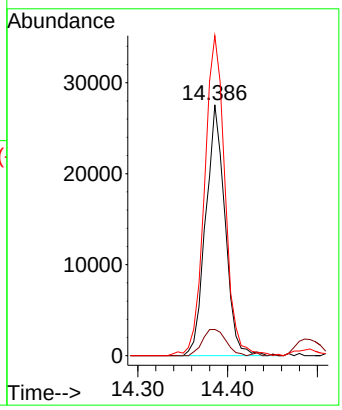




#53
3-Nitroaniline
Concen: 25.598 ng
RT: 14.386 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:138 Resp: 4111

Ion	Ratio	Lower	Upper
138	100		
108	10.5	10.1	15.1
92	127.6	104.1	156.1



Instrument :
BNA_G
ClientSampleId :
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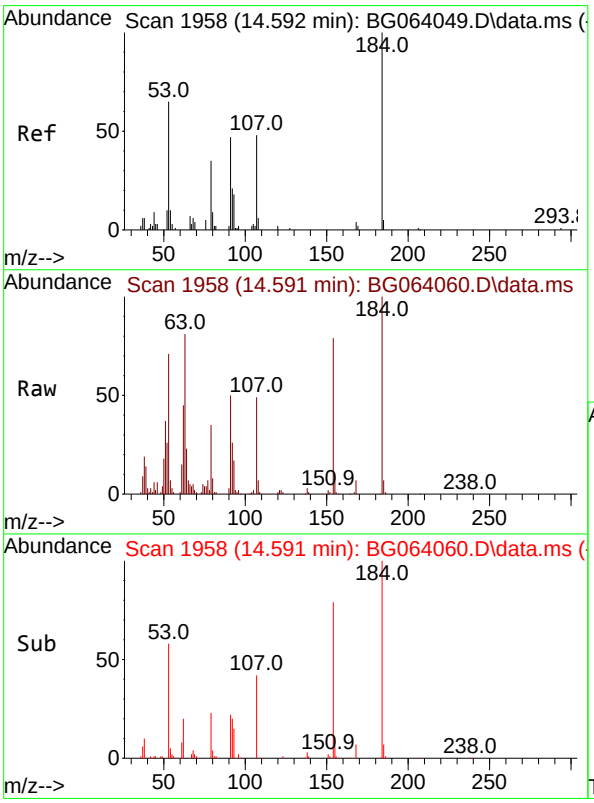
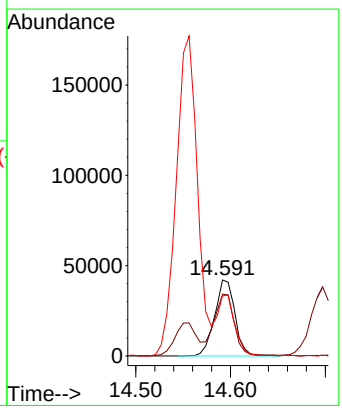
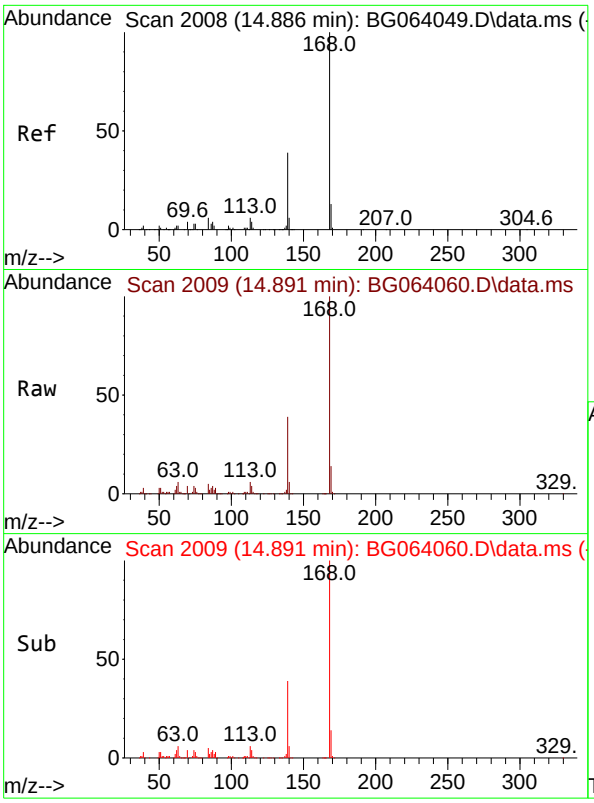


#54
2,4-Dinitrophenol
Concen: 88.069 ng
RT: 14.591 min Scan# 1958
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:184 Resp: 62531

Ion	Ratio	Lower	Upper
184	100		
63	81.3	57.5	86.3
154	79.0	52.3	78.5#

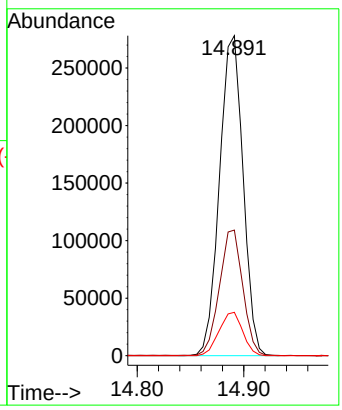




#55
Dibenzofuran
Concen: 39.969 ng
RT: 14.891 min Scan# 2
Delta R.T. 0.005 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:168 Resp: 42640

Ion	Ratio	Lower	Upper
168	100		
139	39.3	31.1	46.7
169	13.6	10.5	15.7



Instrument :
BNA_G
ClientSampleId :
PB167027BS

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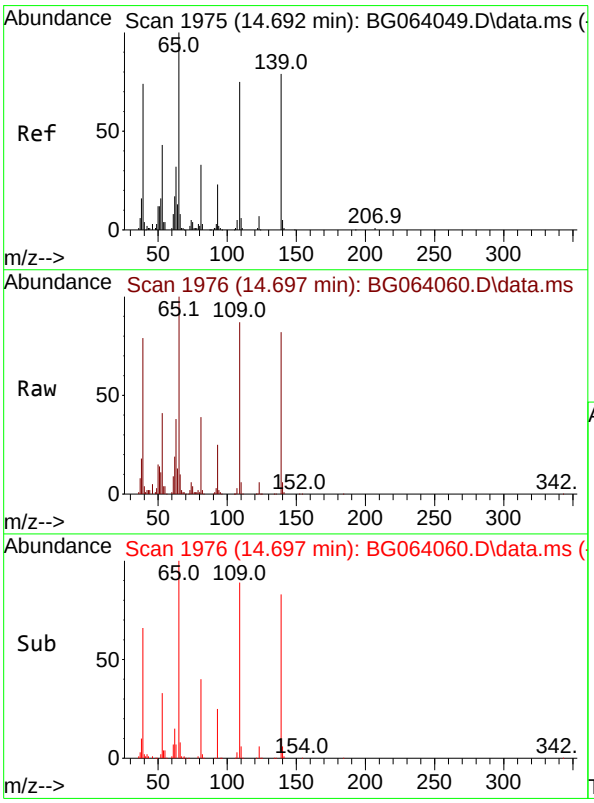
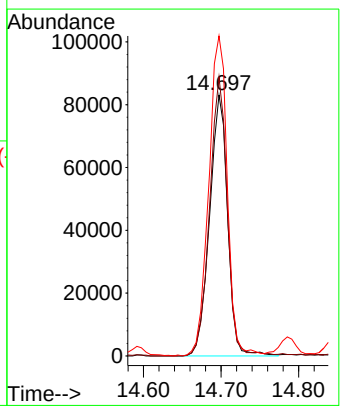
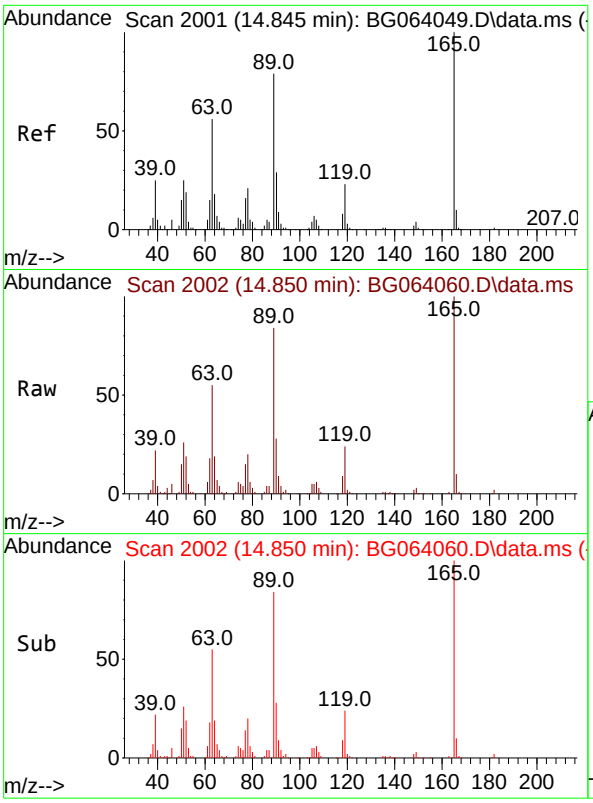


#56
4-Nitrophenol
Concen: 99.947 ng
RT: 14.697 min Scan# 1976
Delta R.T. 0.005 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:139 Resp: 134644

Ion	Ratio	Lower	Upper
139	100		
109	106.9	74.9	114.9
65	122.6	106.8	146.8

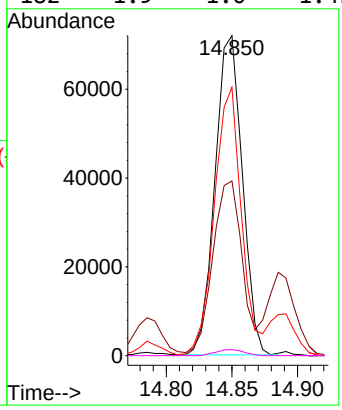




#57
2,4-Dinitrotoluene
Concen: 45.027 ng
RT: 14.850 min Scan# 2
Delta R.T. 0.005 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:165 Resp: 10418

Ion	Ratio	Lower	Upper
165	100		
63	54.6	45.0	67.6
89	83.8	63.1	94.7
182	1.9	1.0	1.4#



Instrument :
BNA_G
ClientSampleId :
PB167027BS

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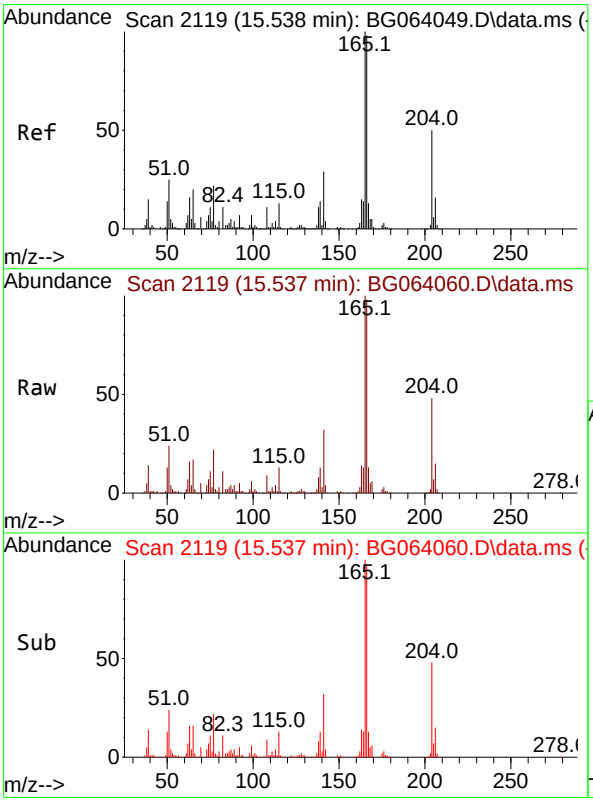
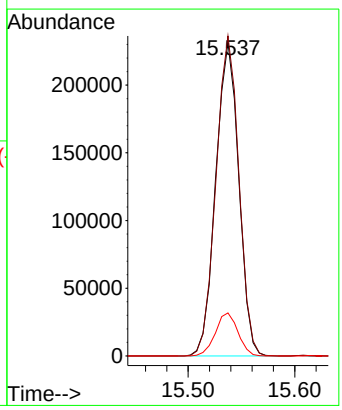
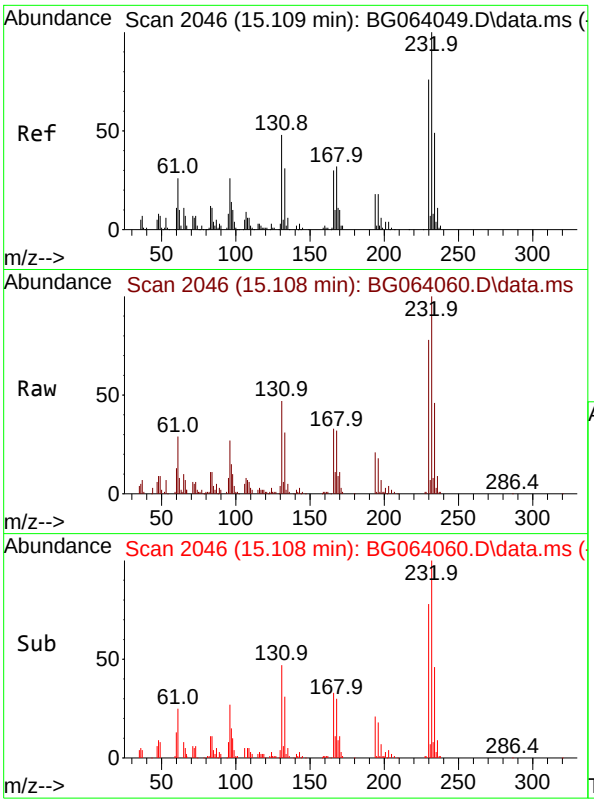


#58
Fluorene
Concen: 41.668 ng
RT: 15.537 min Scan# 2119
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:166 Resp: 346223

Ion	Ratio	Lower	Upper
166	100		
165	102.1	81.8	122.8
167	13.7	10.8	16.2

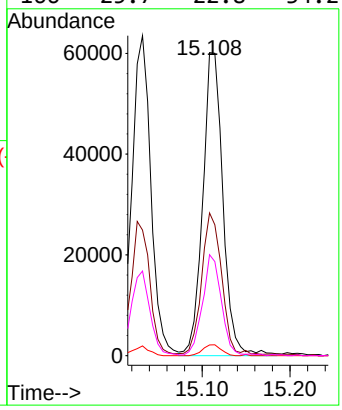




#59
2,3,4,6-Tetrachlorophenol
Concen: 46.850 ng m
RT: 15.108 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:232 Resp: 9614

Ion	Ratio	Lower	Upper
232	100		
131	41.1	36.3	54.5
130	2.5	1.9	2.9
166	25.7	22.8	34.2



Instrument :
BNA_G
ClientSampleId :
PB167027BS

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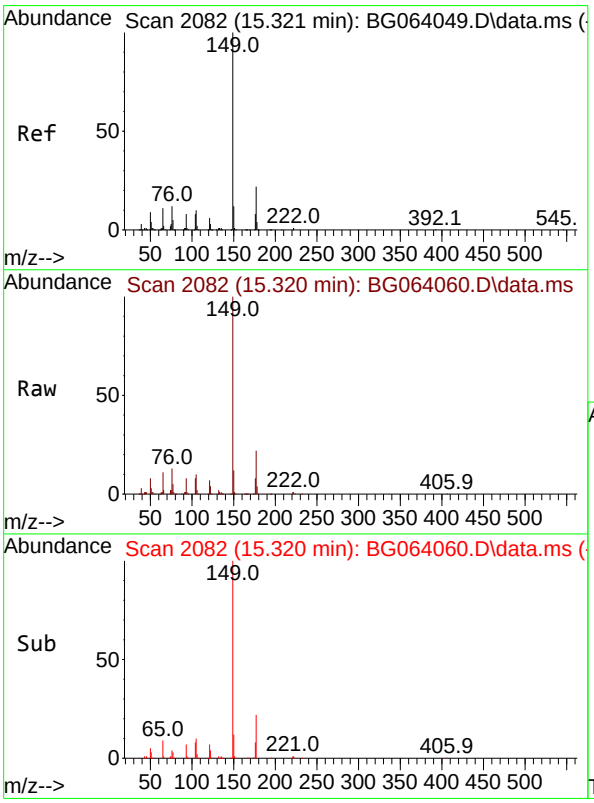
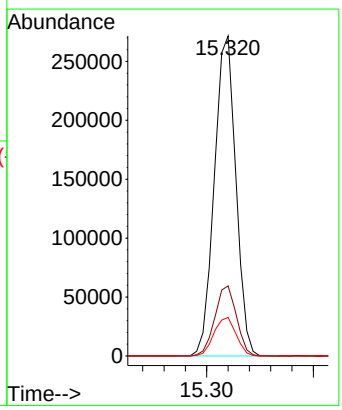
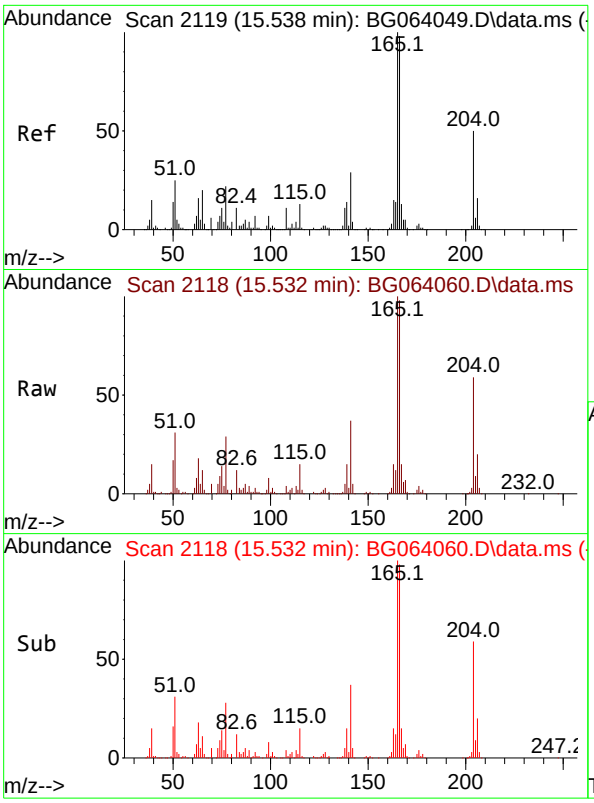


#60
Diethylphthalate
Concen: 42.100 ng
RT: 15.320 min Scan# 2082
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:149 Resp: 379847

Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.4	26.2
150	12.0	9.4	14.2





#61
4-Chlorophenyl-phenylether
Concen: 41.440 ng
RT: 15.532 min Scan# 2
Delta R.T. -0.007 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Instrument :
BNA_G
ClientSampleId :
PB167027BS

Tgt Ion:204 Resp: 17111

Ion	Ratio	Lower	Upper
204	100		
206	33.9	25.5	38.3
141	63.1	45.4	68.0

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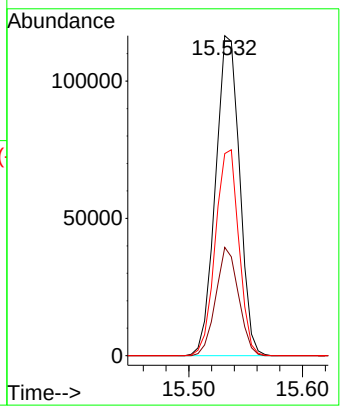
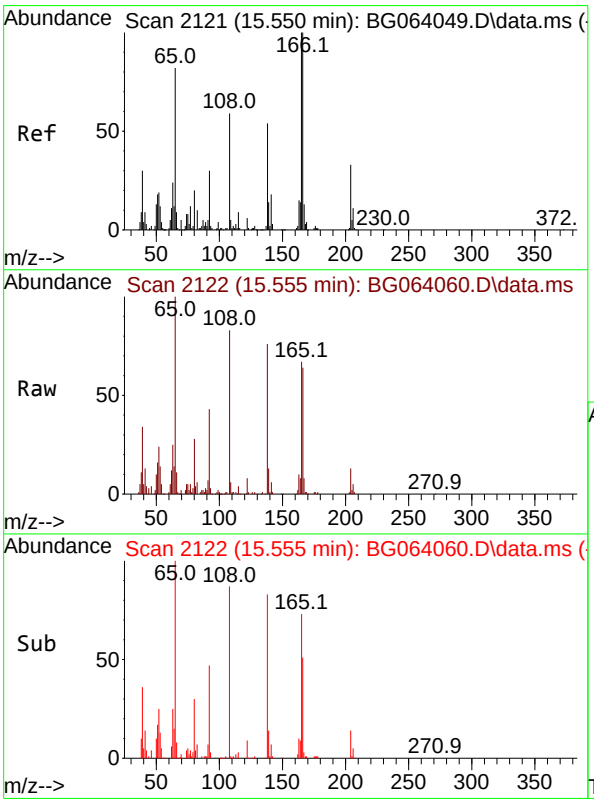
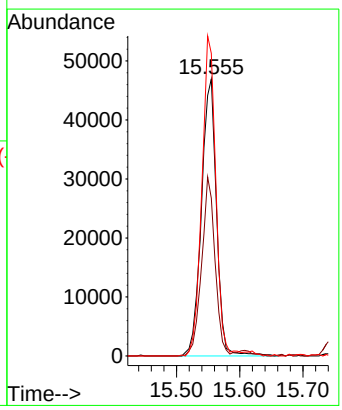


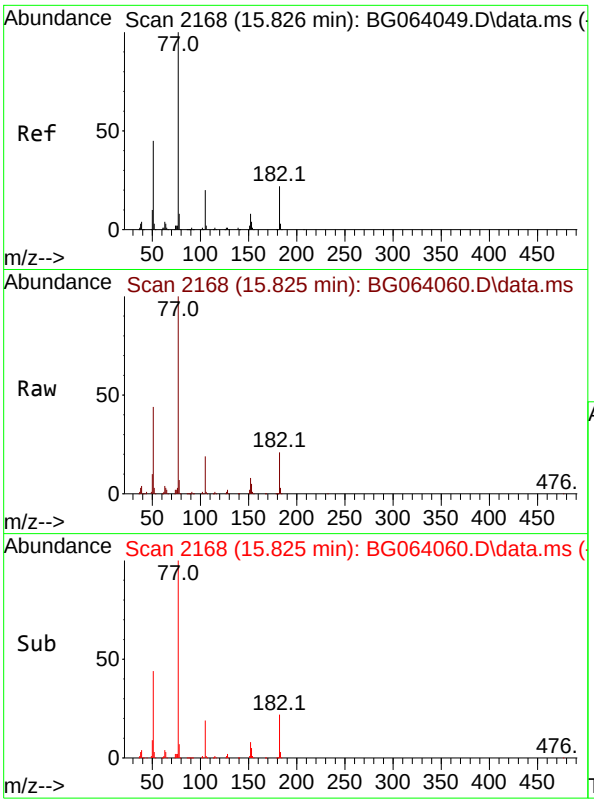


#62
4-Nitroaniline
Concen: 44.775 ng
RT: 15.555 min Scan# 2122
Delta R.T. 0.005 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:138 Resp: 77649

Ion	Ratio	Lower	Upper
138	100		
92	56.9	36.1	76.1
108	109.3	87.9	127.9

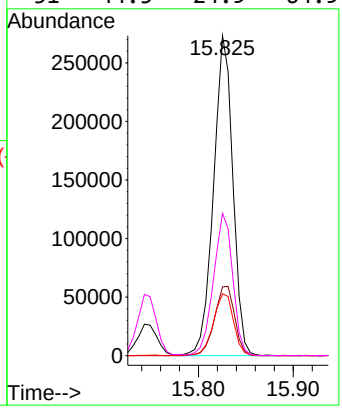




#63
Azobenzene
Concen: 40.185 ng
RT: 15.825 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion: 77 Resp: 38689

Ion	Ratio	Lower	Upper
77	100		
182	21.5	2.4	42.4
105	19.4	0.0	40.0
51	44.5	24.9	64.9



Instrument :
BNA_G
ClientSampleId :
PB167027BS

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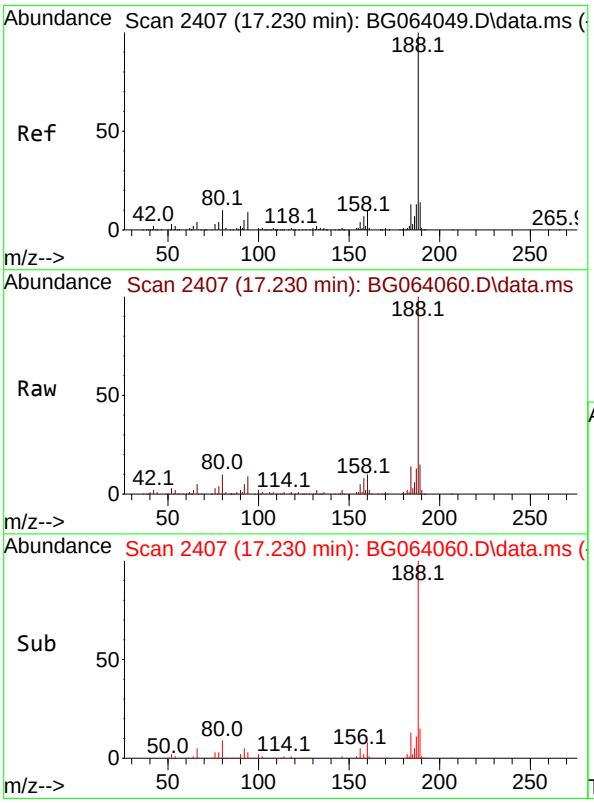
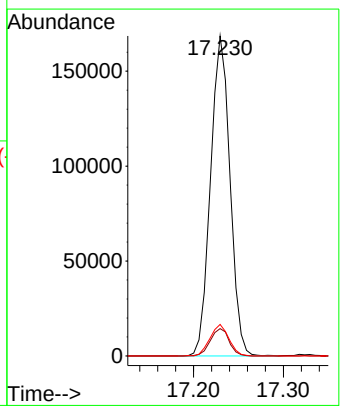
Supervised By :Jagrut Upadhyay 03/10/2025

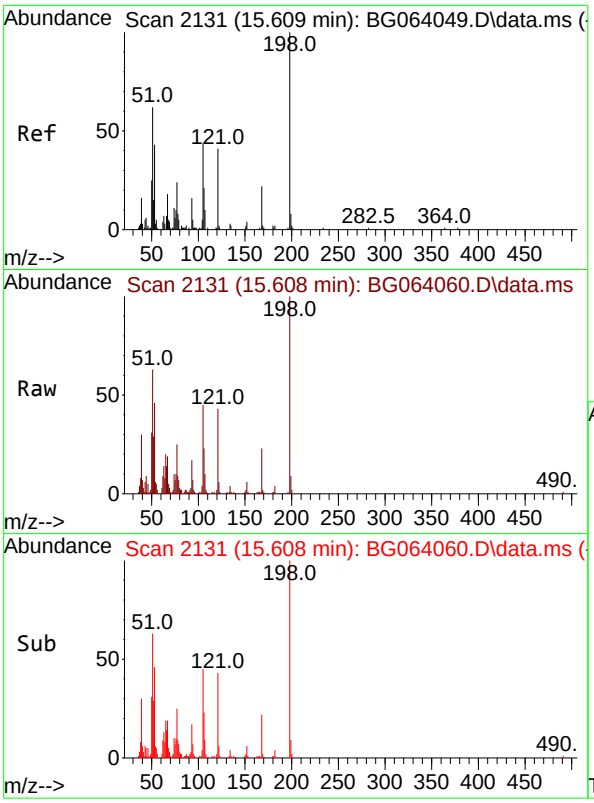


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.230 min Scan# 2407
Delta R.T. -0.000 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:188 Resp: 253745

Ion	Ratio	Lower	Upper
188	100		
94	8.6	6.9	10.3
80	9.9	8.1	12.1





#65
4,6-Dinitro-2-methylphenol
Concen: 44.528 ng
RT: 15.608 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:198 Resp: 4803

Ion	Ratio	Lower	Upper
198	100		
51	62.7	45.6	85.6
105	45.4	25.3	65.3

Instrument :
BNA_G
ClientSampleId :
PB167027BS

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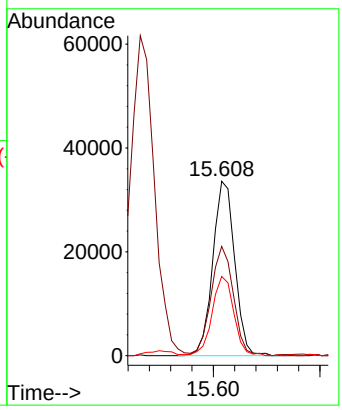
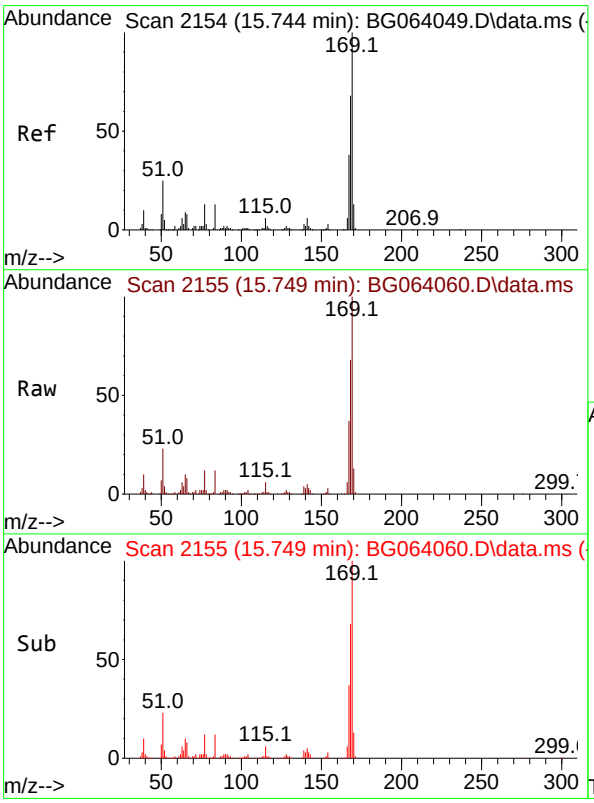
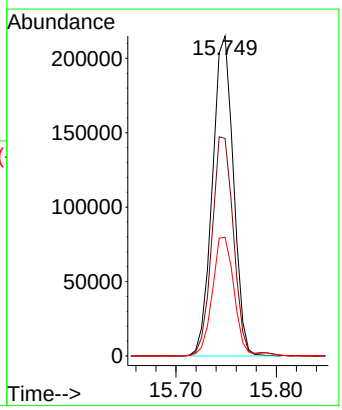


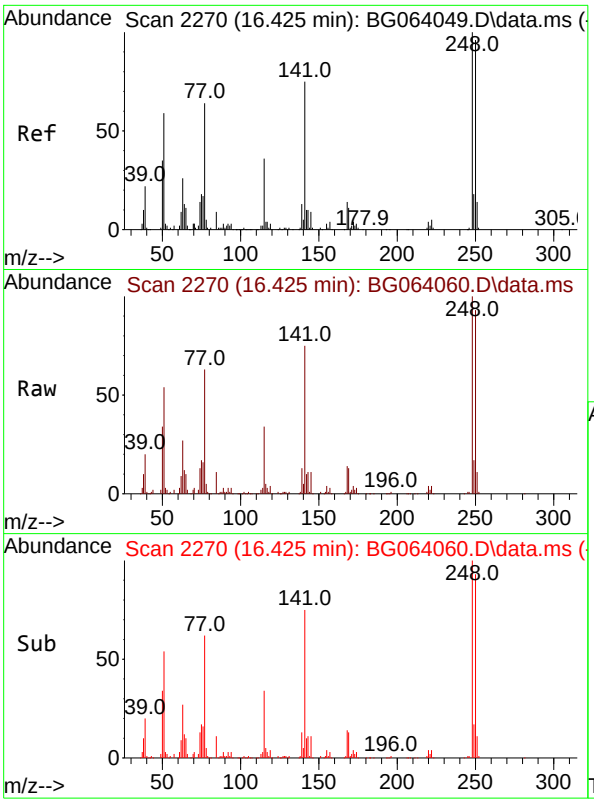


#66
n-Nitrosodiphenylamine
Concen: 43.571 ng
RT: 15.749 min Scan# 2155
Delta R.T. 0.005 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:169 Resp: 312948

Ion	Ratio	Lower	Upper
169	100		
168	68.0	54.1	81.1
167	37.1	30.3	45.5





#67
4-Bromophenyl-phenylether
Concen: 43.731 ng
RT: 16.425 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Instrument :
BNA_G
ClientSampleId :
PB167027BS

Tgt Ion:248 Resp: 11365

Ion	Ratio	Lower	Upper
248	100		
250	92.7	77.1	115.7
141	75.2	59.8	89.8

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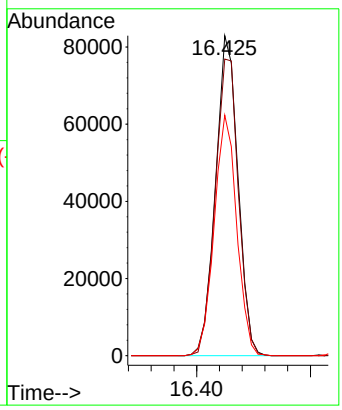
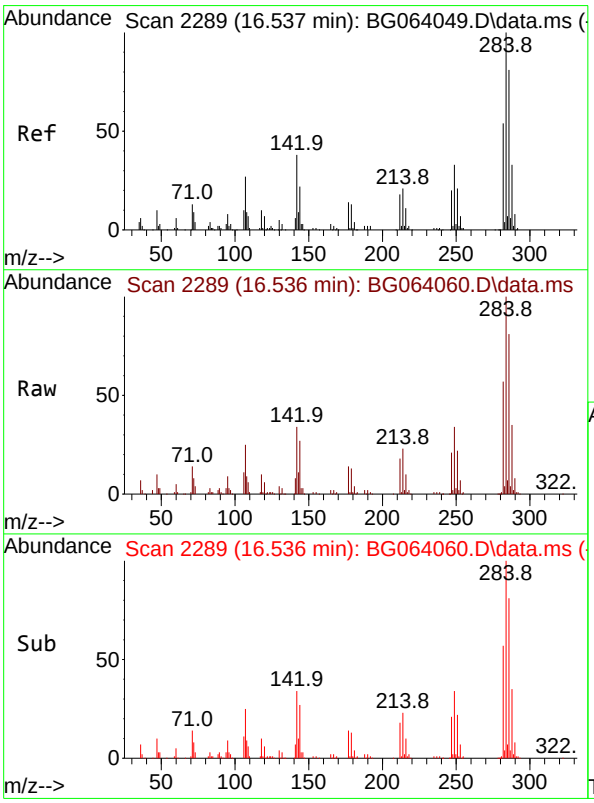
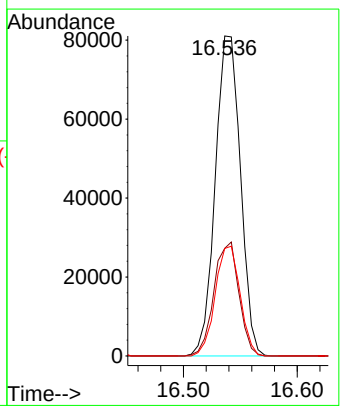


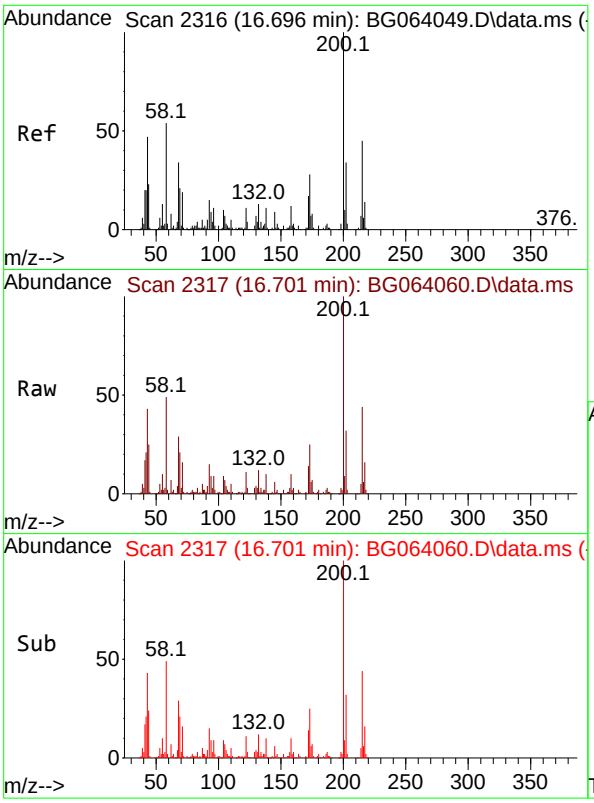


#68
Hexachlorobenzene
Concen: 42.886 ng
RT: 16.536 min Scan# 2289
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:284 Resp: 124776

Ion	Ratio	Lower	Upper
284	100		
142	33.7	30.6	45.8
249	33.6	26.6	39.8

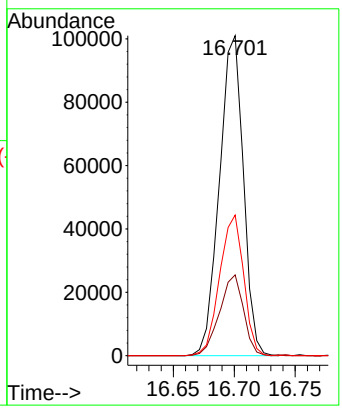




#69
Atrazine
Concen: 65.336 ng
RT: 16.701 min Scan# 2
Delta R.T. 0.005 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:200 Resp: 13807

Ion	Ratio	Lower	Upper
200	100		
173	25.3	8.2	48.2
215	43.9	25.5	65.5



Instrument :
BNA_G
ClientSampleId :
PB167027BS

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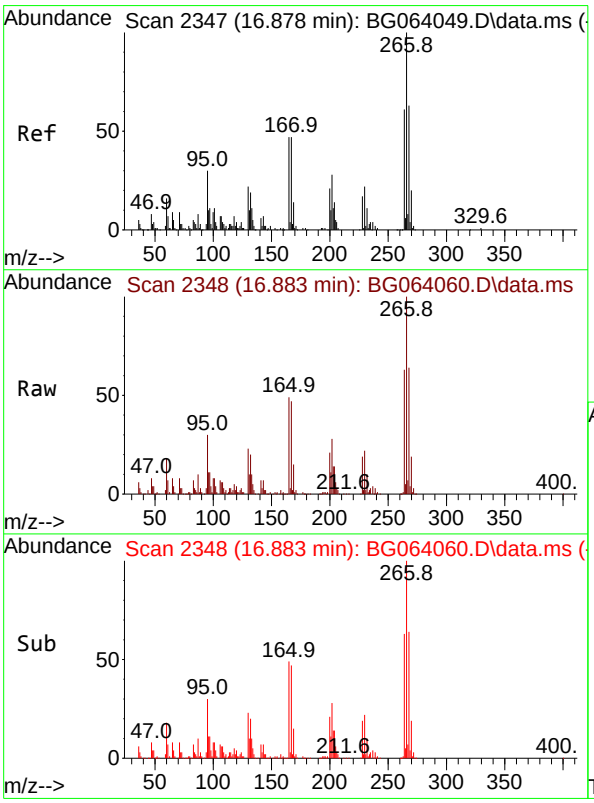
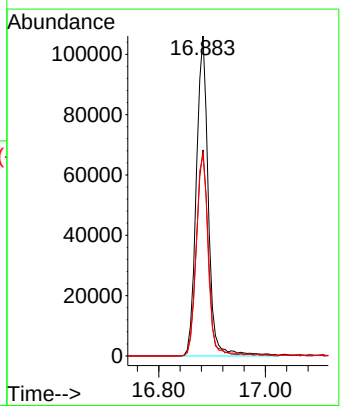
Supervised By :Jagrut Upadhyay 03/10/2025

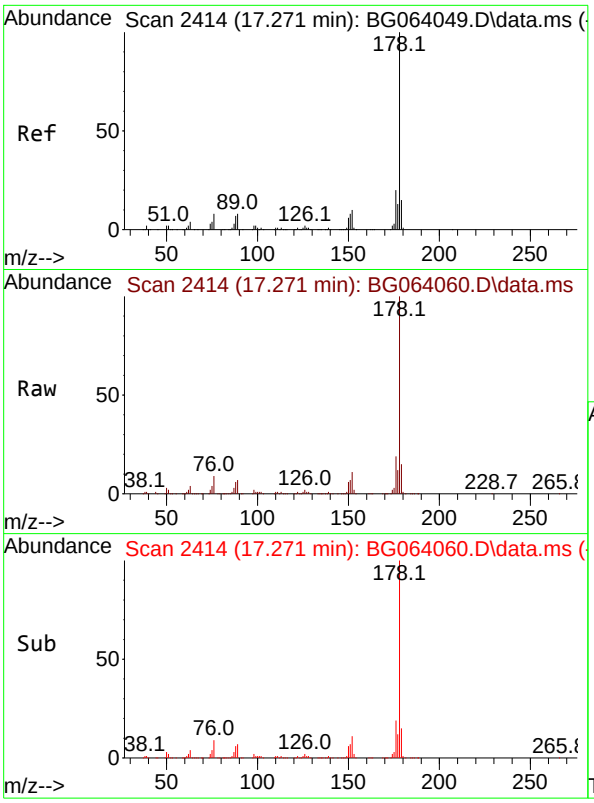


#70
Pentachlorophenol
Concen: 91.557 ng
RT: 16.883 min Scan# 2348
Delta R.T. 0.005 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:266 Resp: 165396

Ion	Ratio	Lower	Upper
266	100		
268	64.4	50.2	75.4
264	62.8	48.9	73.3

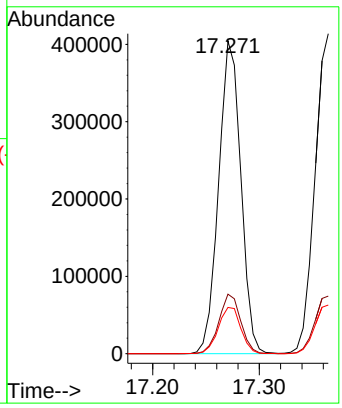




#71
Phenanthrene
Concen: 43.207 ng
RT: 17.271 min Scan# 24
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:178 Resp: 58477

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.9	23.9
179	14.8	12.2	18.2



Instrument :
BNA_G
ClientSampleId :
PB167027BS

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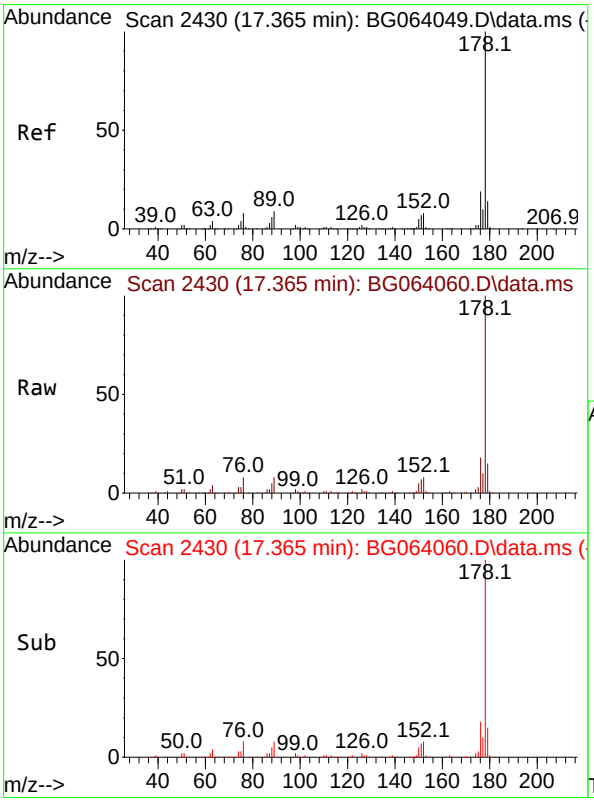
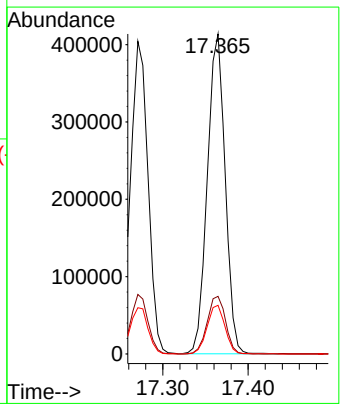
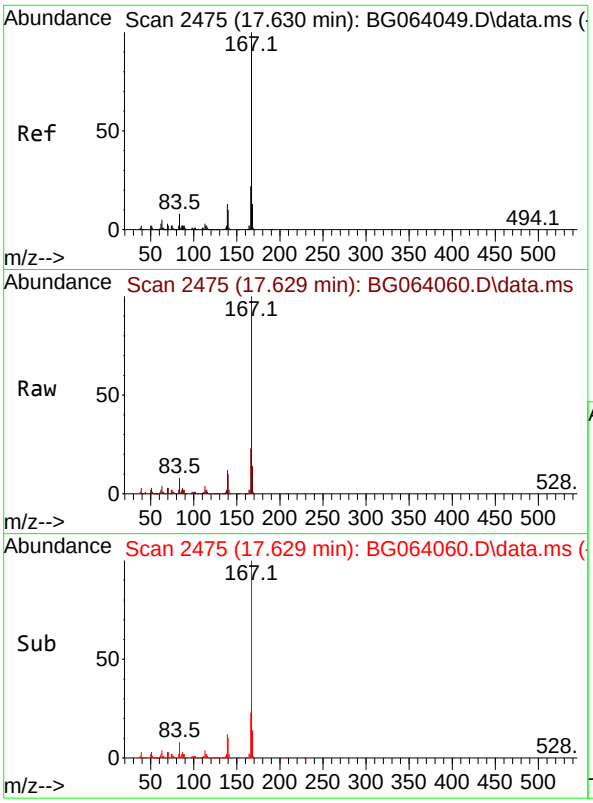


#72
Anthracene
Concen: 44.578 ng
RT: 17.365 min Scan# 2430
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:178 Resp: 599926

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.8	22.2
179	15.2	11.5	17.3

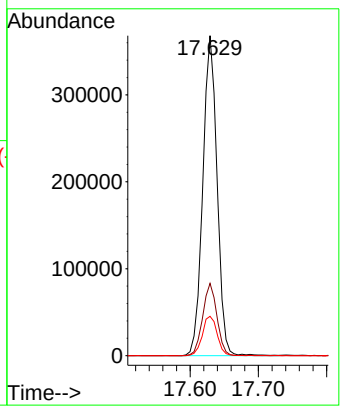




#73
Carbazole
Concen: 42.613 ng
RT: 17.629 min Scan# 24
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:167 Resp: 53544

Ion	Ratio	Lower	Upper
167	100		
166	22.6	18.0	27.0
139	12.3	10.6	15.8



Instrument :
BNA_G
ClientSampleId :
PB167027BS

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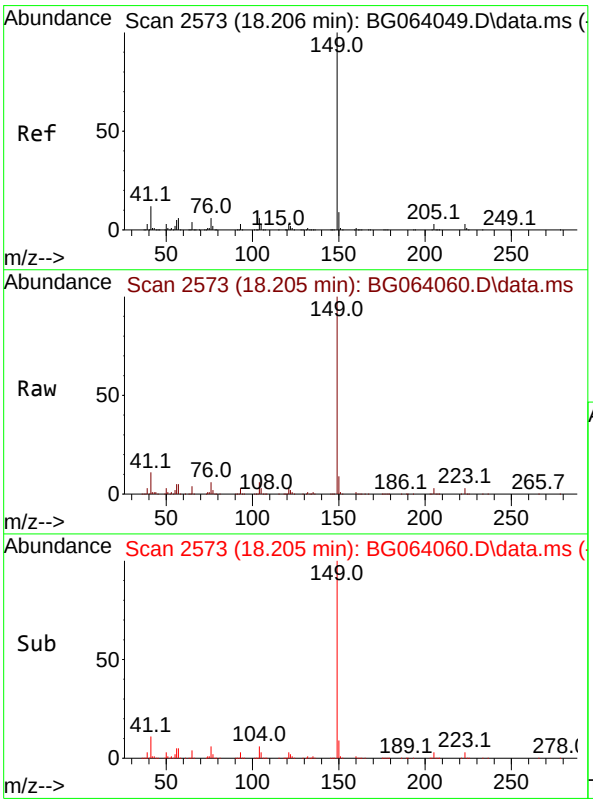
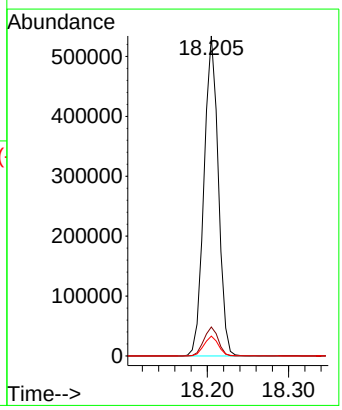
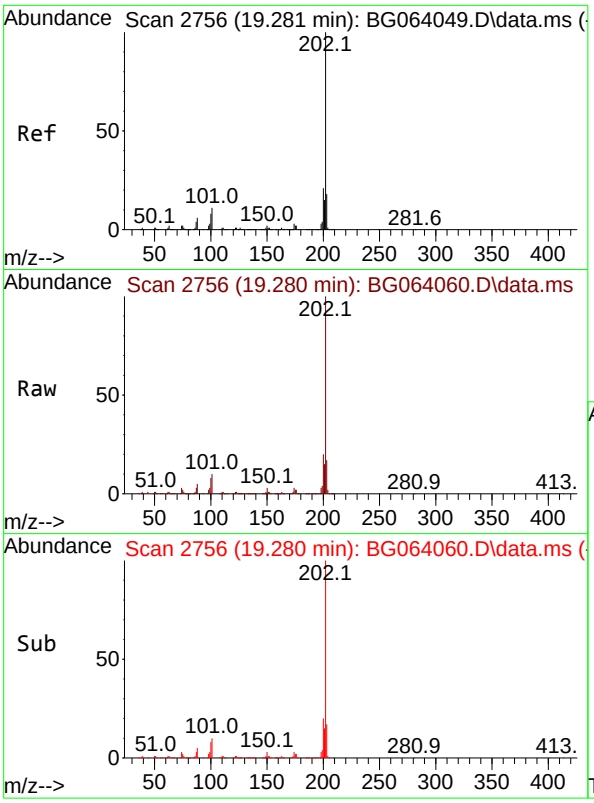


#74
Di-n-butylphthalate
Concen: 44.024 ng
RT: 18.205 min Scan# 2573
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:149 Resp: 651127

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.0
104	6.2	5.0	7.6

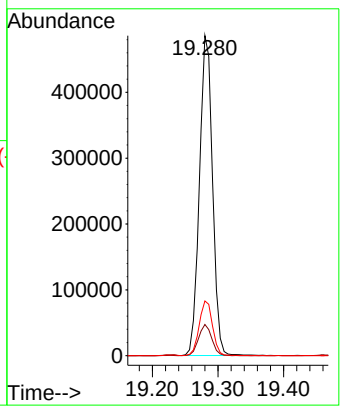




#75
Fluoranthene
Concen: 41.404 ng
RT: 19.280 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:202 Resp: 67556

Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	30.5
203	17.1	0.0	38.3



Instrument :
BNA_G
ClientSampleId :
PB167027BS

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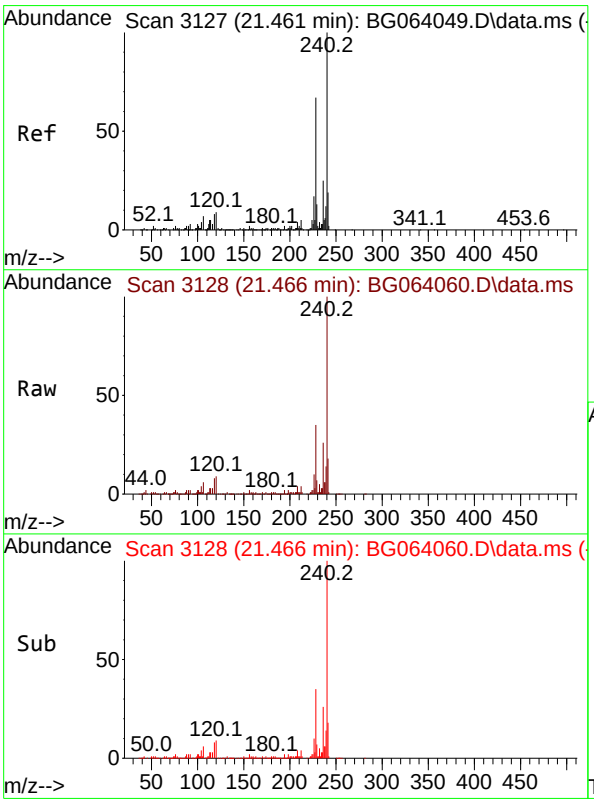
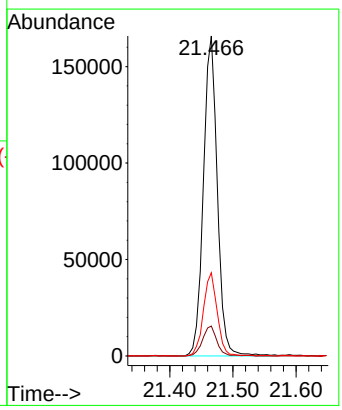
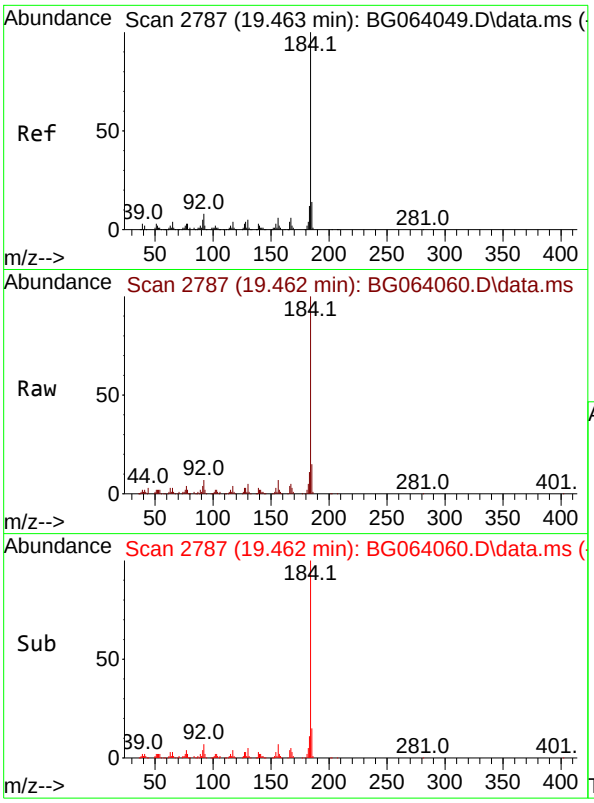


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.466 min Scan# 3128
Delta R.T. 0.005 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:240 Resp: 254292

Ion	Ratio	Lower	Upper
240	100		
120	9.3	7.2	10.8
236	26.0	20.2	30.2

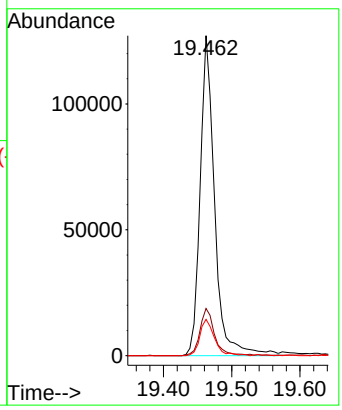




#77
Benzidine
Concen: 53.291 ng
RT: 19.462 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:184 Resp: 18764

Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.3	16.9
183	11.3	9.5	14.3



Instrument :
BNA_G
ClientSampleId :
PB167027BS

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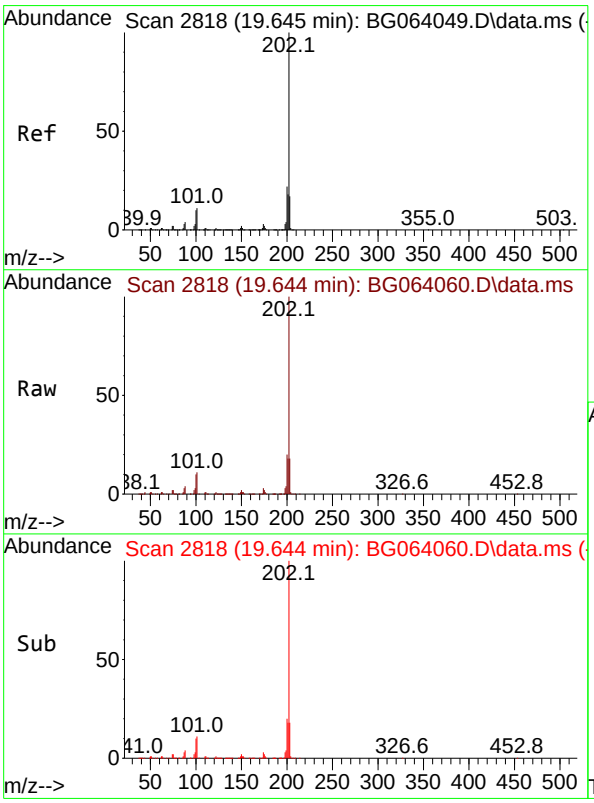
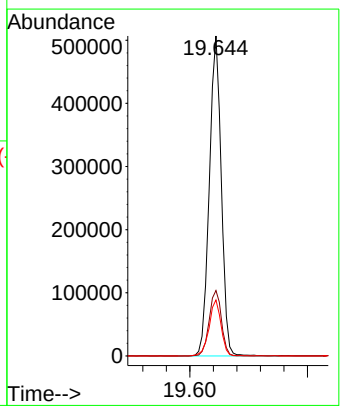
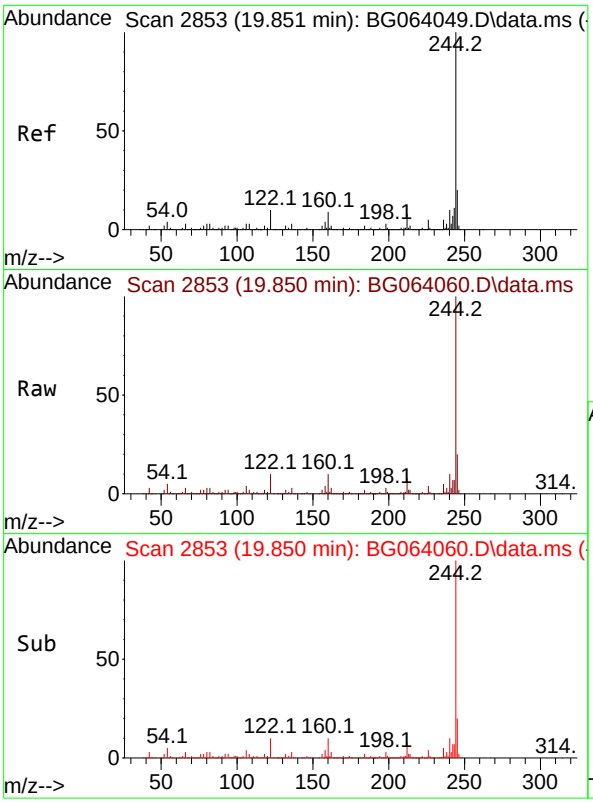


#78
Pyrene
Concen: 43.572 ng
RT: 19.644 min Scan# 2818
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:202 Resp: 714233

Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.3	25.9
203	17.5	13.6	20.4

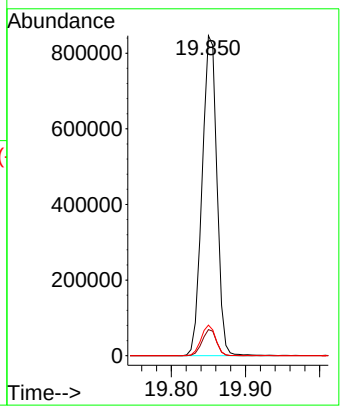




#79
Terphenyl-d14
Concen: 93.476 ng
RT: 19.850 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:244 Resp: 117557

Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.2	9.4
122	9.6	8.0	12.0



Instrument :
BNA_G
ClientSampleId :
PB167027BS

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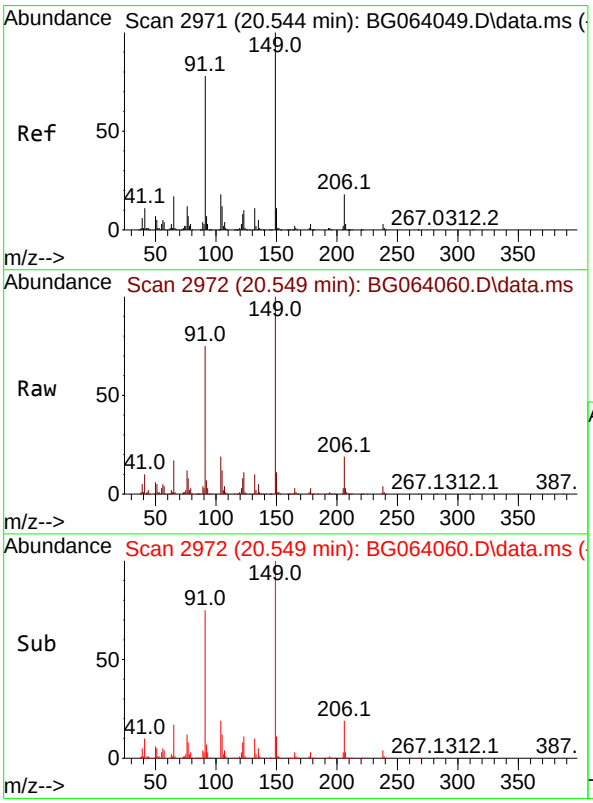
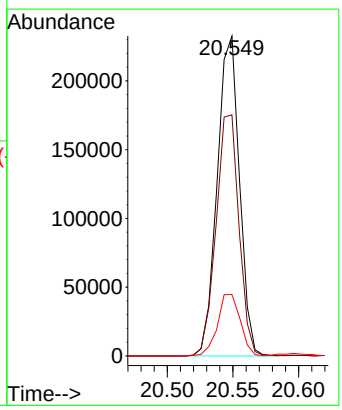
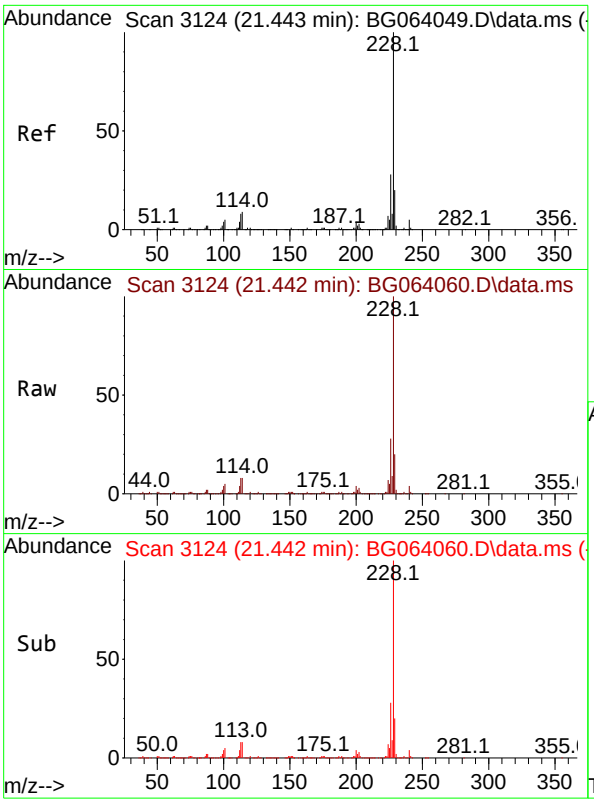


#80
Butylbenzylphthalate
Concen: 44.823 ng
RT: 20.549 min Scan# 2972
Delta R.T. 0.005 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:149 Resp: 274108

Ion	Ratio	Lower	Upper
149	100		
91	75.4	62.0	93.0
206	19.2	14.6	21.8

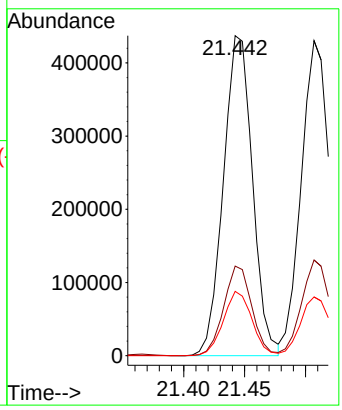




#81
Benzo(a)anthracene
Concen: 44.579 ng
RT: 21.442 min Scan# 3
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:228 Resp: 72614

Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.2	33.2
229	20.1	16.4	24.6



Instrument :
BNA_G
ClientSampleId :
PB167027BS

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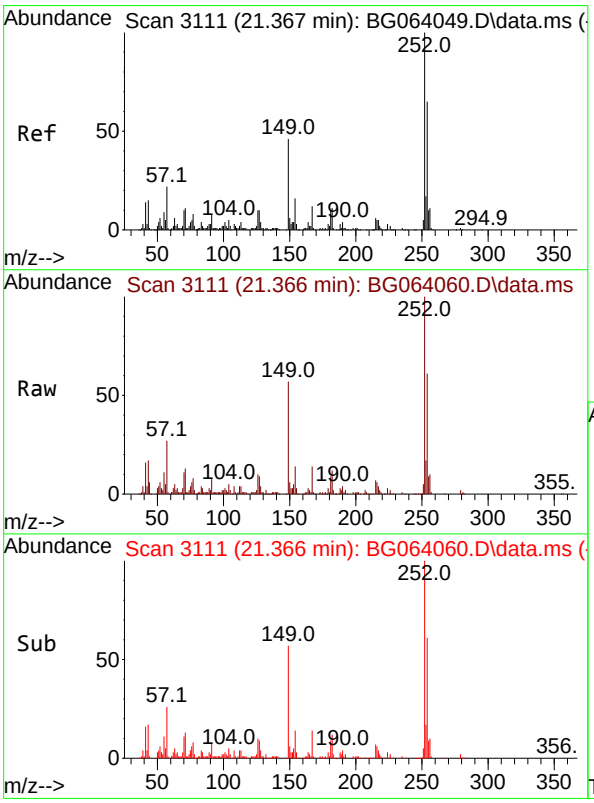
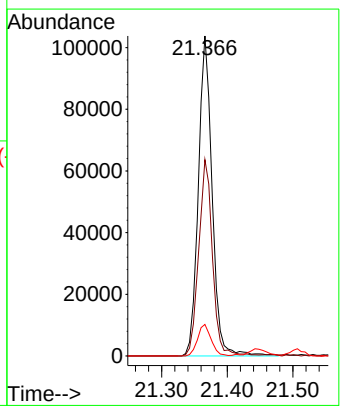
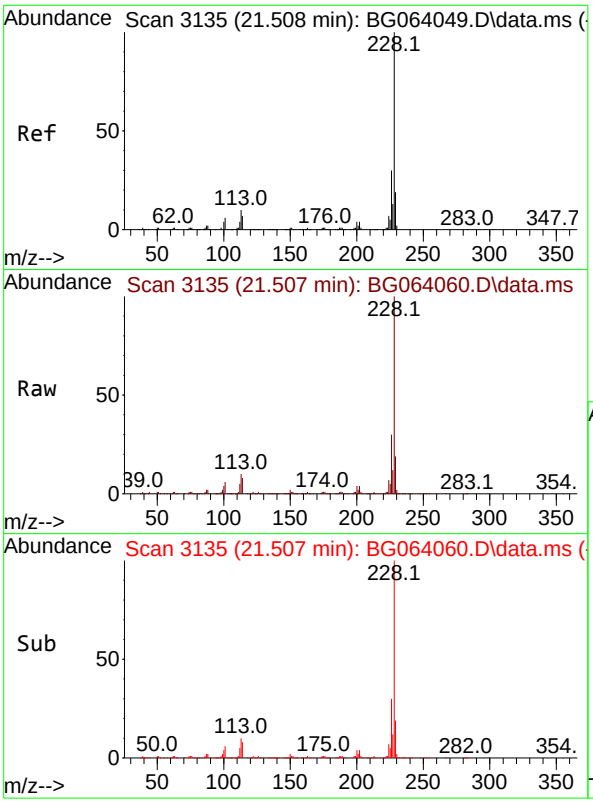


#82
3,3'-Dichlorobenzidine
Concen: 28.872 ng
RT: 21.366 min Scan# 3111
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:252 Resp: 152208

Ion	Ratio	Lower	Upper
252	100		
254	61.3	52.1	78.1
126	9.9	7.8	11.8

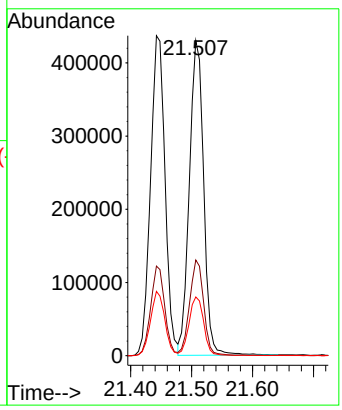




#83
Chrysene
Concen: 43.176 ng
RT: 21.507 min Scan# 3
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:228 Resp: 70145

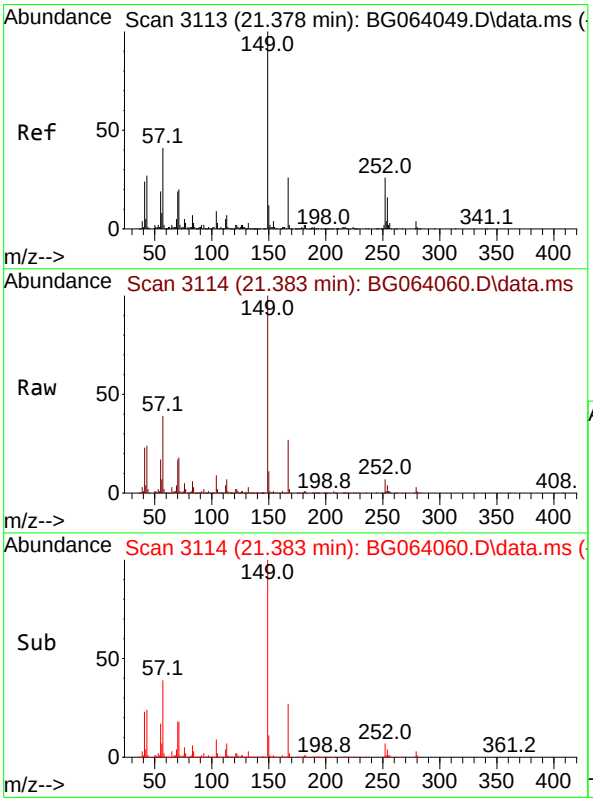
Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.9	35.9
229	18.6	15.3	22.9



Instrument :
BNA_G
ClientSampleId :
PB167027BS

Manual Integrations
APPROVED

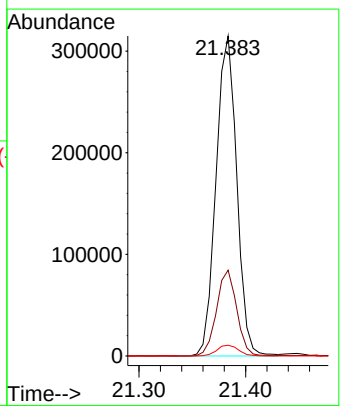
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

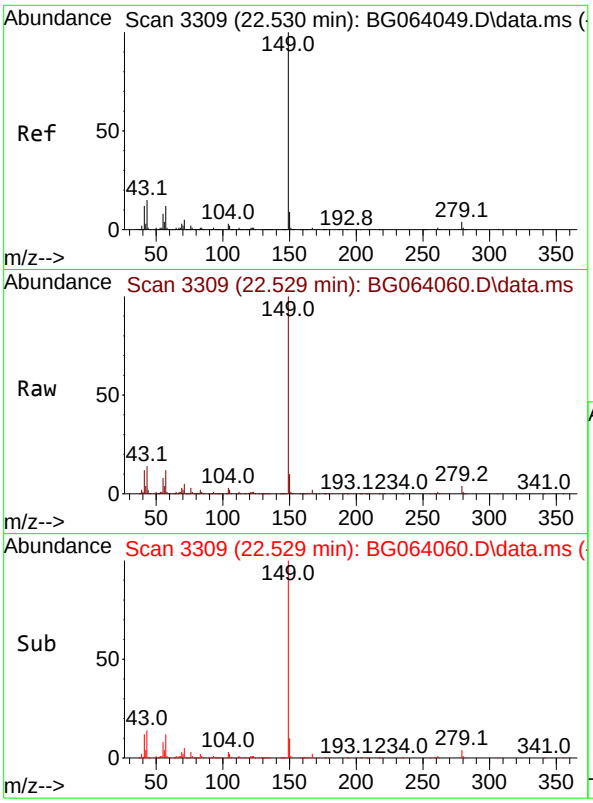


#84
Bis(2-ethylhexyl)phthalate
Concen: 48.174 ng
RT: 21.383 min Scan# 3114
Delta R.T. 0.005 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:149 Resp: 424390

Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.0	31.6
279	3.3	2.8	4.2

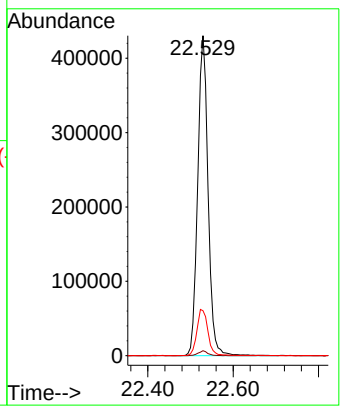




#85
Di-n-octyl phthalate
Concen: 47.635 ng
RT: 22.529 min Scan# 3
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:149 Resp: 72381

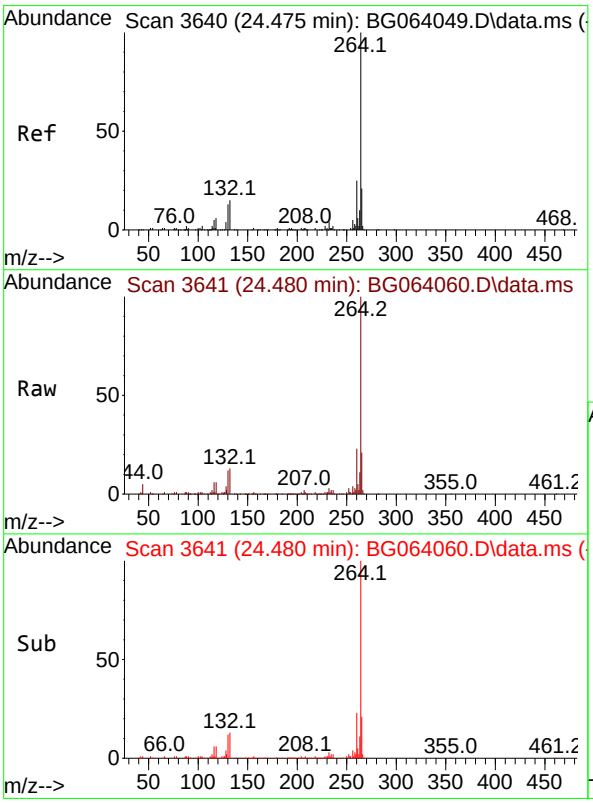
Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.2	1.8
43	15.5	12.6	19.0



Instrument :
BNA_G
ClientSampleId :
PB167027BS

Manual Integrations
APPROVED

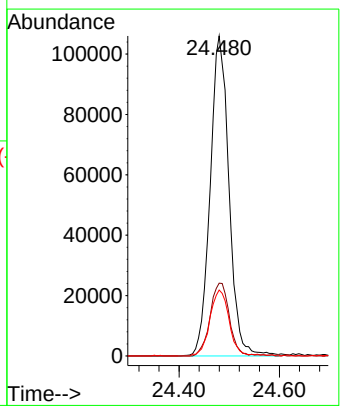
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

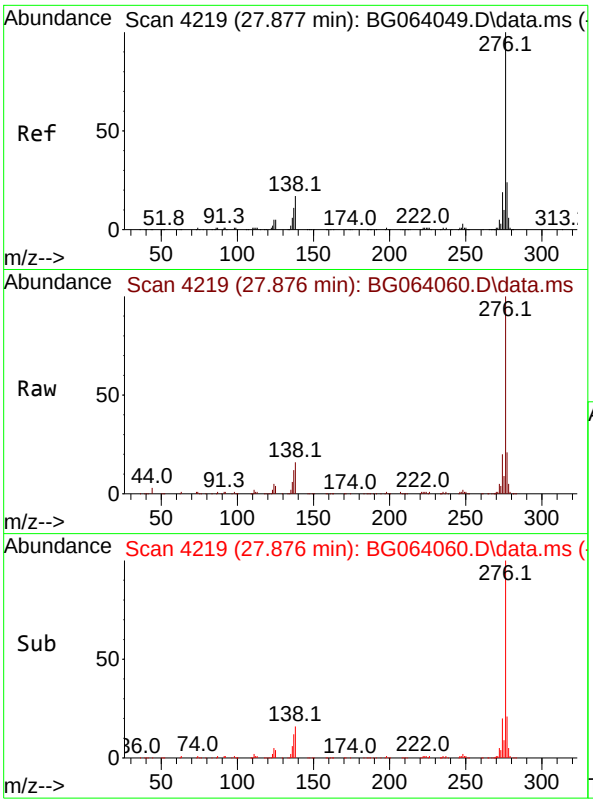


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.480 min Scan# 3641
Delta R.T. 0.005 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:264 Resp: 275837

Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.6	29.4
265	20.6	16.6	25.0

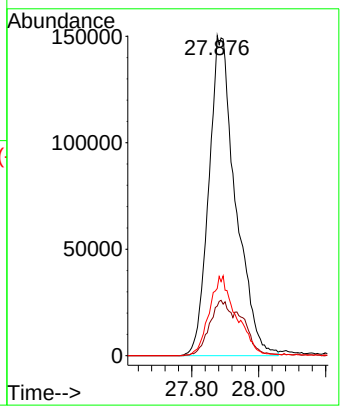




#87
Indeno(1,2,3-cd)pyrene
Concen: 45.284 ng
RT: 27.876 min Scan# 4
Delta R.T. -0.001 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:276 Resp: 83574

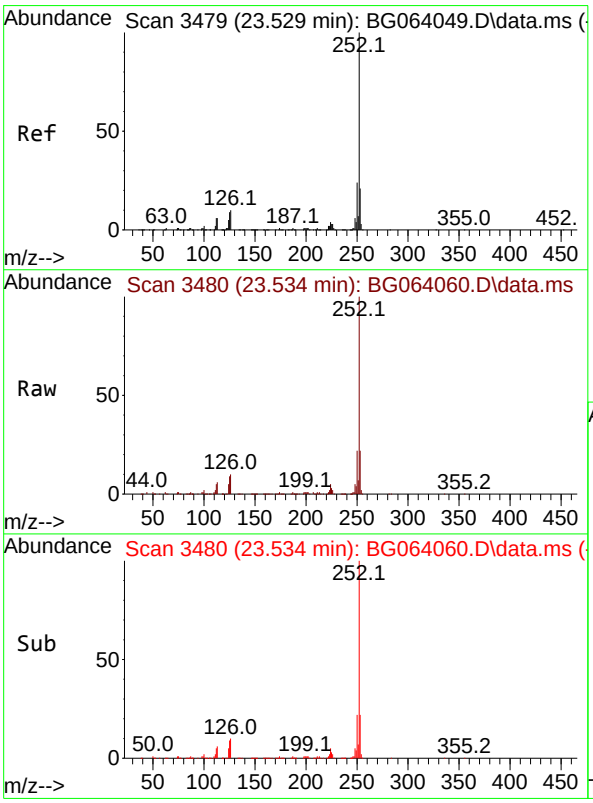
Ion	Ratio	Lower	Upper
276	100		
138	13.6	12.1	18.1
277	25.2	20.0	30.0



Instrument :
BNA_G
ClientSampleId :
PB167027BS

Manual Integrations
APPROVED

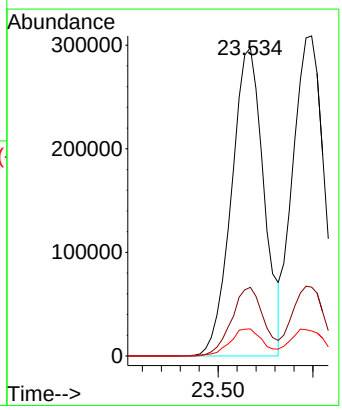
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

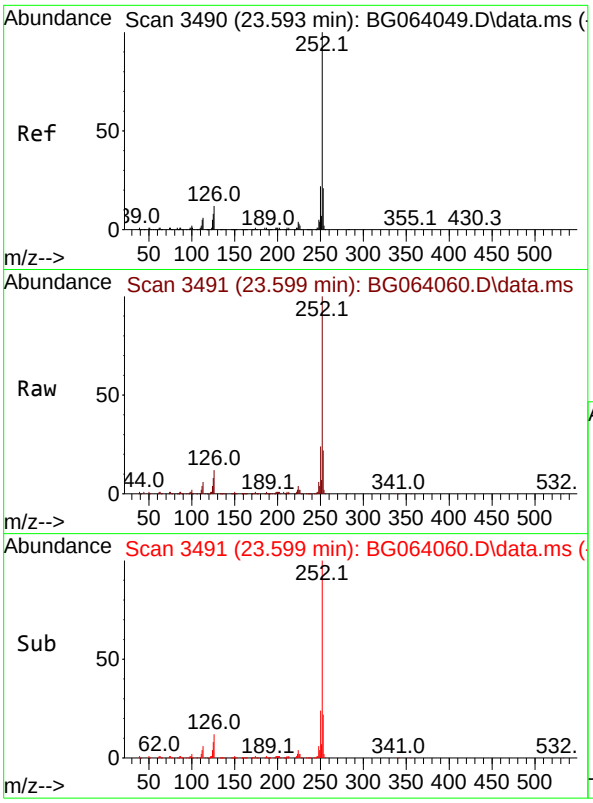


#88
Benzo(b)fluoranthene
Concen: 42.412 ng
RT: 23.534 min Scan# 3480
Delta R.T. 0.005 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:252 Resp: 707242

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.4
125	8.8	7.4	11.2





#89
Benzo(k)fluoranthene
Concen: 43.213 ng
RT: 23.599 min Scan# 34
Delta R.T. 0.005 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

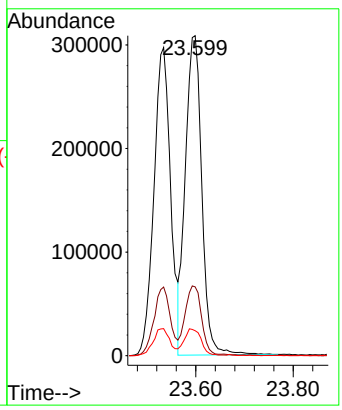
Tgt Ion:252 Resp: 72289

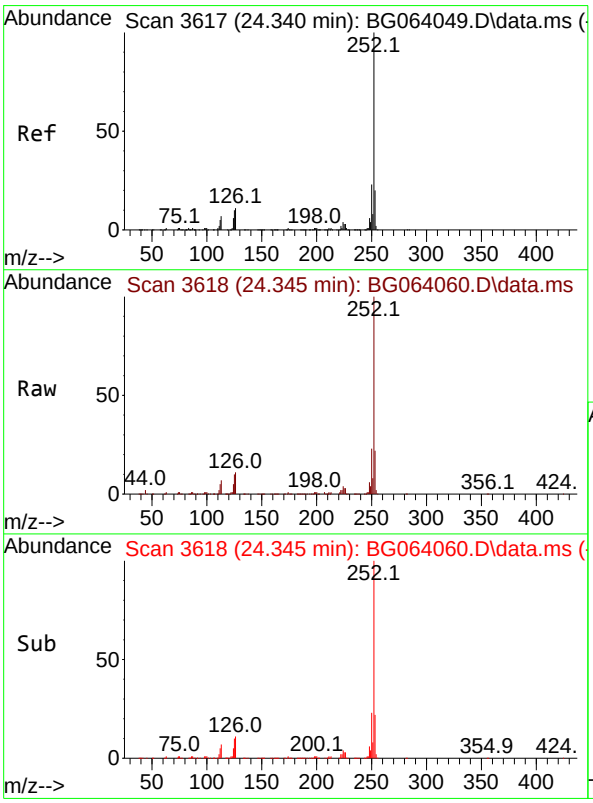
Ion	Ratio	Lower	Upper
252	100		
253	21.5	16.8	25.2
125	7.8	6.9	10.3

Instrument :
BNA_G
ClientSampleId :
PB167027BS

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

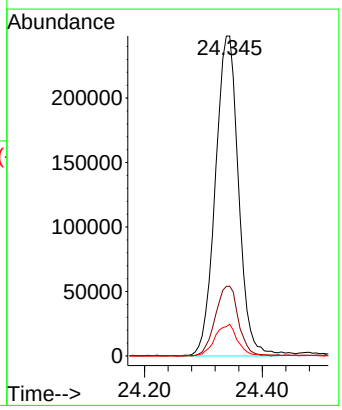


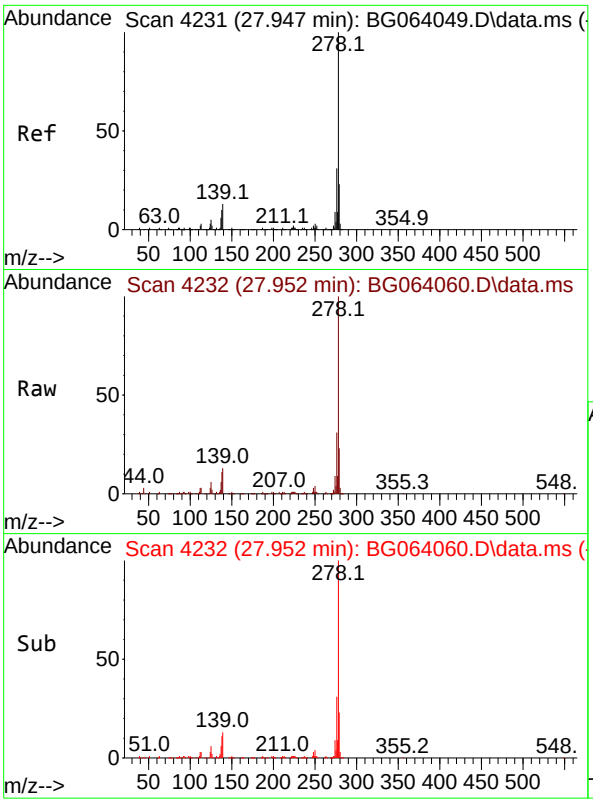


#90
Benzo(a)pyrene
Concen: 45.669 ng
RT: 24.345 min Scan# 3618
Delta R.T. 0.005 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:252 Resp: 678225

Ion	Ratio	Lower	Upper
252	100		
253	21.8	16.2	24.2
125	9.9	7.8	11.6

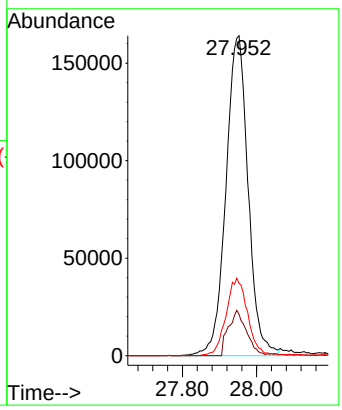




#91
Dibenzo(a,h)anthracene
Concen: 44.579 ng
RT: 27.952 min Scan# 4
Delta R.T. 0.005 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:278 Resp: 68207

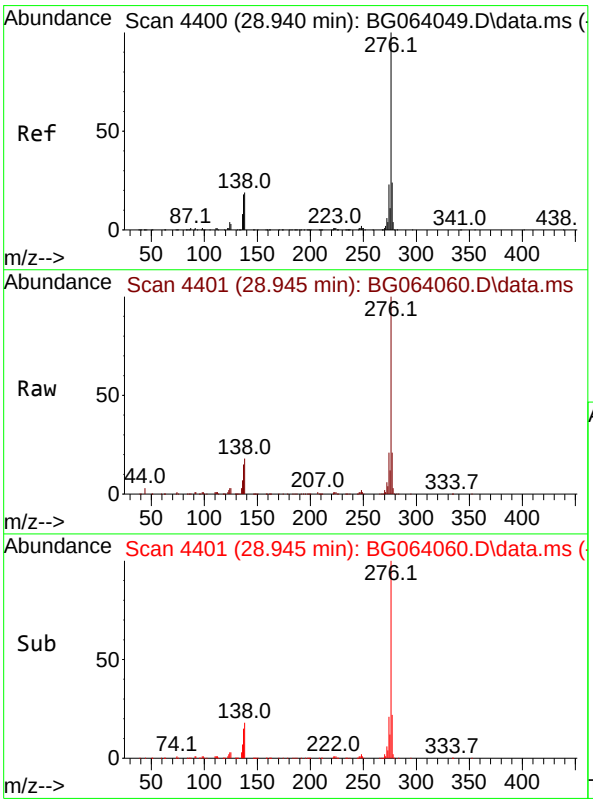
Ion	Ratio	Lower	Upper
278	100		
139	13.0	10.2	15.2
279	22.6	18.1	27.1



Instrument :
BNA_G
ClientSampleId :
PB167027BS

Manual Integrations
APPROVED

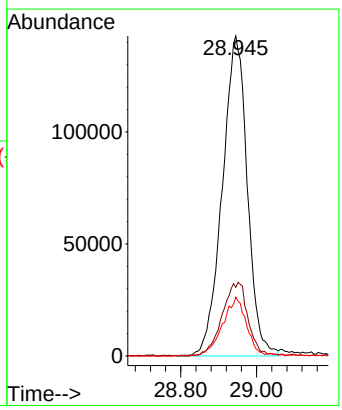
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#92
Benzo(g,h,i)perylene
Concen: 41.599 ng
RT: 28.945 min Scan# 4401
Delta R.T. 0.005 min
Lab File: BG064060.D
Acq: 7 Mar 2025 15:39

Tgt Ion:276 Resp: 653491

Ion	Ratio	Lower	Upper
276	100		
277	21.5	19.5	29.3
138	18.4	15.4	23.0



Raw Data: **BG064058.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167031BS	SDG No.:	Q1514
Lab Sample ID:	PB167031BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064058.D	1	03/07/25 08:55	03/07/25 14:18	PB167031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	660		180	330	ug/Kg
108-95-2	Phenol	1400		82.9	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1300		83.7	170	ug/Kg
95-57-8	2-Chlorophenol	1400		83.5	170	ug/Kg
95-48-7	2-Methylphenol	1500		80.6	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1300		90.9	170	ug/Kg
98-86-2	Acetophenone	1400		86.9	170	ug/Kg
65794-96-9	3+4-Methylphenols	1500		79.8	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1300		40.3	80.0	ug/Kg
67-72-1	Hexachloroethane	1300		83.0	170	ug/Kg
98-95-3	Nitrobenzene	1400		90.8	170	ug/Kg
78-59-1	Isophorone	1400		84.6	170	ug/Kg
88-75-5	2-Nitrophenol	1400		94.5	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1800		93.2	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1300		85.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1400		75.5	170	ug/Kg
91-20-3	Naphthalene	1300		82.6	170	ug/Kg
106-47-8	4-Chloroaniline	660		82.6	170	ug/Kg
87-68-3	Hexachlorobutadiene	1300		83.3	170	ug/Kg
105-60-2	Caprolactam	1600		86.8	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1400		77.5	170	ug/Kg
91-57-6	2-Methylnaphthalene	1200		82.5	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	4800	E	160	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1500		71.4	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1500		74.0	170	ug/Kg
92-52-4	1,1-Biphenyl	1500		87.4	170	ug/Kg
91-58-7	2-Chloronaphthalene	1400		83.3	170	ug/Kg
88-74-4	2-Nitroaniline	1400		95.0	170	ug/Kg
131-11-3	Dimethylphthalate	1400		81.7	170	ug/Kg

Raw Data: **BG064058.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167031BS	SDG No.:	Q1514
Lab Sample ID:	PB167031BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064058.D	1	03/07/25 08:55	03/07/25 14:18	PB167031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1400		86.5	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1400		83.2	170	ug/Kg
99-09-2	3-Nitroaniline	870		89.2	170	ug/Kg
83-32-9	Acenaphthene	1300		81.1	170	ug/Kg
51-28-5	2,4-Dinitrophenol	2800	E	240	330	ug/Kg
100-02-7	4-Nitrophenol	3200	E	120	330	ug/Kg
132-64-9	Dibenzofuran	1300		84.4	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1400		86.2	170	ug/Kg
84-66-2	Diethylphthalate	1300		80.1	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1300		85.6	170	ug/Kg
86-73-7	Fluorene	1300		85.5	170	ug/Kg
100-01-6	4-Nitroaniline	1500		110	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1400		120	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1400		81.6	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1300		78.9	170	ug/Kg
118-74-1	Hexachlorobenzene	1400		85.0	170	ug/Kg
1912-24-9	Atrazine	2100		91.4	170	ug/Kg
87-86-5	Pentachlorophenol	2800	E	77.3	330	ug/Kg
85-01-8	Phenanthrene	1400		84.0	170	ug/Kg
120-12-7	Anthracene	1400		84.4	170	ug/Kg
86-74-8	Carbazole	1400		80.3	170	ug/Kg
84-74-2	Di-n-butylphthalate	1400		84.3	170	ug/Kg
206-44-0	Fluoranthene	1300		81.7	170	ug/Kg
129-00-0	Pyrene	1400		83.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	1400		96.8	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	900		98.6	330	ug/Kg
56-55-3	Benzo(a)anthracene	1400		80.7	170	ug/Kg
218-01-9	Chrysene	1300		79.5	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1500		91.0	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1500		110	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1300		81.1	170	ug/Kg

Raw Data: **BG064058.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167031BS	SDG No.:	Q1514
Lab Sample ID:	PB167031BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064058.D	1	03/07/25 08:55	03/07/25 14:18	PB167031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1300		82.6	170	ug/Kg
50-32-8	Benzo(a)pyrene	1400		93.0	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1400		78.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1400		81.2	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1300		80.1	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1400		86.8	170	ug/Kg
123-91-1	1,4-Dioxane	1300		110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1400		74.7	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	132		30 (18) - 130 (112)	88%	SPK: 150
13127-88-3	Phenol-d6	128		30 (15) - 130 (107)	85%	SPK: 150
4165-60-0	Nitrobenzene-d5	87.2		30 (18) - 130 (107)	87%	SPK: 100
321-60-8	2-Fluorobiphenyl	83.6		30 (20) - 130 (109)	84%	SPK: 100
118-79-6	2,4,6-Tribromophenol	140		30 (10) - 130 (116)	94%	SPK: 150
1718-51-0	Terphenyl-d14	88.3		30 (10) - 130 (105)	88%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	37400	7.864			
1146-65-2	Naphthalene-d8	168000	10.655			
15067-26-2	Acenaphthene-d10	115000	14.492			
1517-22-2	Phenanthrene-d10	266000	17.23			
1719-03-5	Chrysene-d12	268000	21.466			
1520-96-3	Perylene-d12	290000	24.48			

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

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

Sample Results: **BG064058.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064058.D
Acq On : 7 Mar 2025 14:18
Operator : RC/JU
Sample : PB167031BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 07 14:57:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB167031BS

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.864	152	37350	20.000	ng		0.00
21) Naphthalene-d8	10.655	136	167596	20.000	ng		0.00
39) Acenaphthene-d10	14.492	164	115306	20.000	ng		0.00
64) Phenanthrene-d10	17.230	188	265788	20.000	ng		0.00
76) Chrysene-d12	21.466	240	268408	20.000	ng		0.00
86) Perylene-d12	24.480	264	290005	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.455	112	314786	131.599	ng		0.00
7) Phenol-d6	7.036	99	416430	127.972	ng		0.00
23) Nitrobenzene-d5	9.016	82	264399	87.181	ng		0.00
42) 2,4,6-Tribromophenol	15.978	330	179892	140.353	ng		0.00
45) 2-Fluorobiphenyl	13.117	172	634957	83.585	ng		0.00
79) Terphenyl-d14	19.850	244	1172088	88.297	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.369	88	40790	37.627	ng		93
3) Pyridine	3.751	79	99512	37.745	ng		97
4) n-Nitrosodimethylamine	3.669	42	84558	44.890	ng		94
6) Aniline	7.194	93	115817	36.271	ng		98
8) 2-Chlorophenol	7.429	128	105909	41.225	ng		96
9) Benzaldehyde	7.006	77	37486	19.807	ng		96
10) Phenol	7.059	94	144336	43.323	ng		99
11) bis(2-Chloroethyl)ether	7.288	93	101920	39.020	ng		95
12) 1,3-Dichlorobenzene	7.758	146	109287	38.738	ng		99
13) 1,4-Dichlorobenzene	7.899	146	109982	38.034	ng		98
14) 1,2-Dichlorobenzene	8.217	146	105273	37.754	ng		97
15) Benzyl Alcohol	8.099	79	104525	41.567	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.387	45	231908	39.486	ng		98
17) 2-Methylphenol	8.299	107	98229	44.424	ng		97
18) Hexachloroethane	8.945	117	40703	40.232	ng		94
19) n-Nitroso-di-n-propyla...	8.669	70	88738	38.857	ng		98
20) 3+4-Methylphenols	8.628	107	132984	43.685	ng		97
22) Acetophenone	8.681	105	194433	42.313	ng	#	98
24) Nitrobenzene	9.057	77	128158	40.890	ng		95
25) Isophorone	9.580	82	247923	40.843	ng		96
26) 2-Nitrophenol	9.768	139	42284	40.610	ng		95
27) 2,4-Dimethylphenol	9.827	122	100614	55.290	ng		94
28) bis(2-Chloroethoxy)met...	10.068	93	141355	38.409	ng		98
29) 2,4-Dichlorophenol	10.297	162	99214	43.177	ng		97
30) 1,2,4-Trichlorobenzene	10.520	180	108054	38.954	ng		96
31) Naphthalene	10.702	128	340891	37.721	ng		99
32) Benzoic acid	9.979	122	62172m	39.159	ng		
33) 4-Chloroaniline	10.808	127	65346	19.784	ng		97
34) Hexachlorobutadiene	10.996	225	70901	38.996	ng		97
35) Caprolactam	11.578	113	42282m	48.017	ng		
36) 4-Chloro-3-methylphenol	11.930	107	124870	41.457	ng		93
37) 2-Methylnaphthalene	12.312	142	236809	37.118	ng		97
38) 1-Methylnaphthalene	12.529	142	237776	38.041	ng		95
40) 1,2,4,5-Tetrachloroben...	12.682	216	142769	43.370	ng		98
41) Hexachlorocyclopentadiene	12.670	237	134371	145.029	ng		95
43) 2,4,6-Trichlorophenol	12.917	196	86642	44.657	ng		96

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064058.D
Acq On : 7 Mar 2025 14:18
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Sample : PB167031BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 07 14:57:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB167031BS

Manual Integrations APPROVED

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.988	196	95182	44.152	ng		98
46) 1,1'-Biphenyl	13.323	154	383958	44.075	ng		97
47) 2-Chloronaphthalene	13.364	162	260312	40.971	ng		97
48) 2-Nitroaniline	13.563	65	88261	42.853	ng		95
49) Acenaphthylene	14.210	152	421662	41.958	ng		99
50) Dimethylphthalate	13.951	163	345559	40.599	ng		99
51) 2,6-Dinitrotoluene	14.063	165	69789	40.946	ng		97
52) Acenaphthene	14.556	154	268690	39.839	ng		97
53) 3-Nitroaniline	14.386	138	43112	26.207	ng		96
54) 2,4-Dinitrophenol	14.597	184	60678	83.859	ng		92
55) Dibenzofuran	14.891	168	416978	38.165	ng		98
56) 4-Nitrophenol	14.697	139	134556	97.528	ng		93
57) 2,4-Dinitrotoluene	14.850	165	101445	42.989	ng	#	98
58) Fluorene	15.538	166	338529	39.782	ng		95
59) 2,3,4,6-Tetrachlorophenol	15.115	232	91404	43.492	ng		96
60) Diethylphthalate	15.320	149	369537	39.992	ng		98
61) 4-Chlorophenyl-phenyle...	15.538	204	165324	39.095	ng		97
62) 4-Nitroaniline	15.555	138	77903	43.863	ng		93
63) Azobenzene	15.825	77	388690	39.420	ng		97
65) 4,6-Dinitro-2-methylph...	15.608	198	45885	41.331	ng		94
66) n-Nitrosodiphenylamine	15.749	169	304982	40.538	ng		97
67) 4-Bromophenyl-phenylether	16.425	248	108783	39.962	ng		96
68) Hexachlorobenzene	16.542	284	124061	40.708	ng		99
69) Atrazine	16.701	200	137316	62.032	ng		95
70) Pentachlorophenol	16.883	266	161432	85.314	ng		97
71) Phenanthrene	17.271	178	586440	41.367	ng		98
72) Anthracene	17.365	178	595310	42.231	ng		98
73) Carbazole	17.629	167	543876	41.324	ng		100
74) Di-n-butylphthalate	18.205	149	638316	41.202	ng		99
75) Fluoranthene	19.280	202	672893	39.371	ng		99
77) Benzidine	19.462	184	196853	52.965	ng		96
78) Pyrene	19.645	202	708955	40.975	ng		99
80) Butylbenzylphthalate	20.549	149	266926	41.635	ng		97
81) Benzo(a)anthracene	21.442	228	716446	41.670	ng		98
82) 3,3'-Dichlorobenzidine	21.366	252	150240	27.000	ng		100
83) Chrysene	21.507	228	691699	40.336	ng		99
84) Bis(2-ethylhexyl)phtha...	21.384	149	420121	45.182	ng		98
85) Di-n-octyl phthalate	22.529	149	703025	43.833	ng		99
87) Indeno(1,2,3-cd)pyrene	27.882	276	821866	42.356	ng		98
88) Benzo(b)fluoranthene	23.534	252	699323	39.889	ng		96
89) Benzo(k)fluoranthene	23.593	252	696807	39.618	ng		99
90) Benzo(a)pyrene	24.345	252	672920	43.098	ng		98
91) Dibenzo(a,h)anthracene	27.947	278	684817	42.571	ng		99
92) Benzo(g,h,i)perylene	28.951	276	638368	38.651	ng		97

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064058.D
Acq On : 7 Mar 2025 14:18
Operator : RC/JU
Sample : PB167031BS
Misc :
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Quant Time: Mar 07 14:57:55 2025
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Instrument :
BNA_G
ClientSampleId :
PB167031BS

Manual Integrations APPROVED

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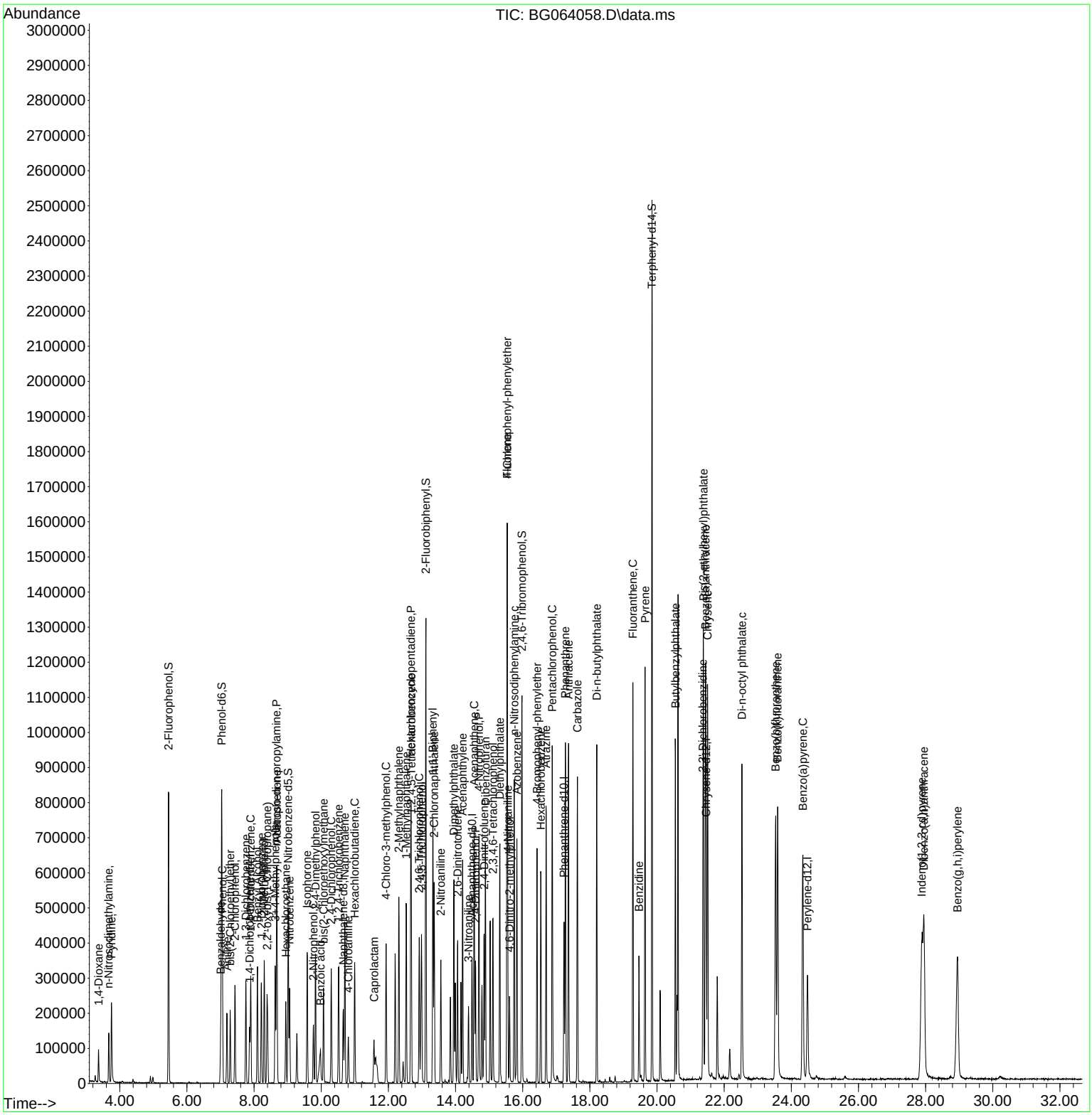
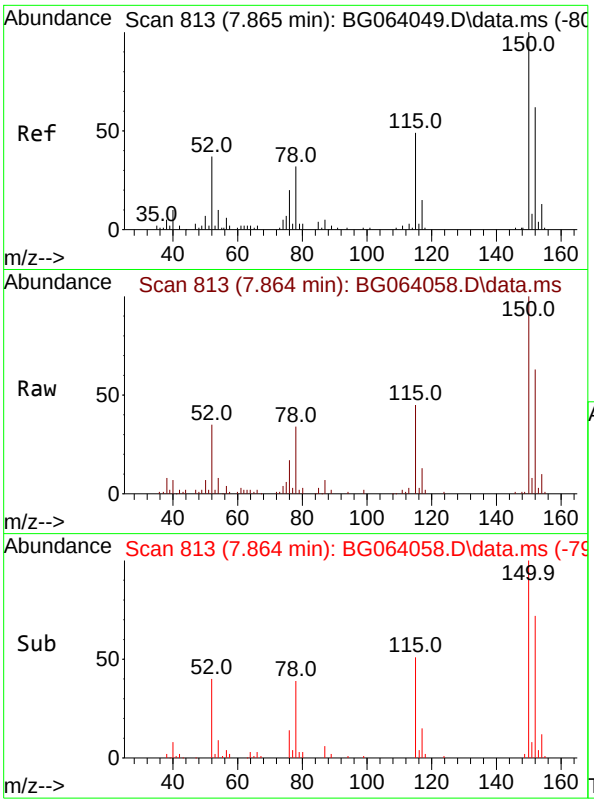
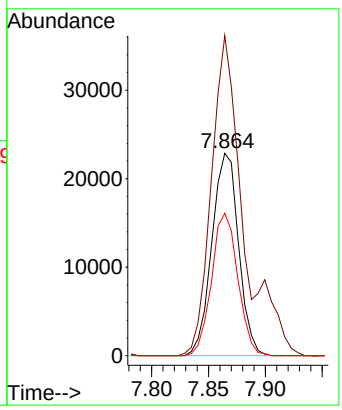




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.864 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:152 Resp: 3735

Ion	Ratio	Lower	Upper
152	100		
150	158.2	129.2	193.8
115	70.4	63.0	94.6



Instrument :
BNA_G
ClientSampleId :
PB167031BS

Manual Integrations
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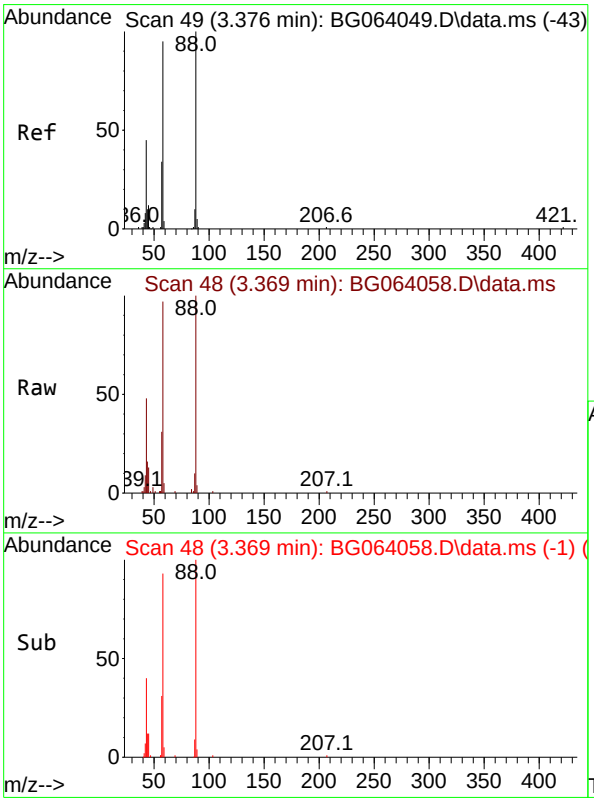
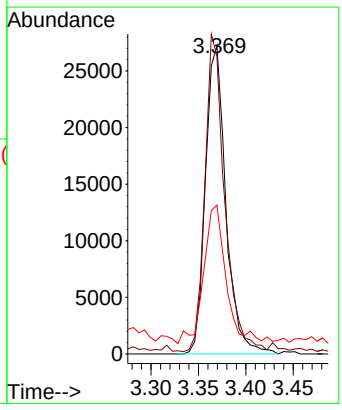
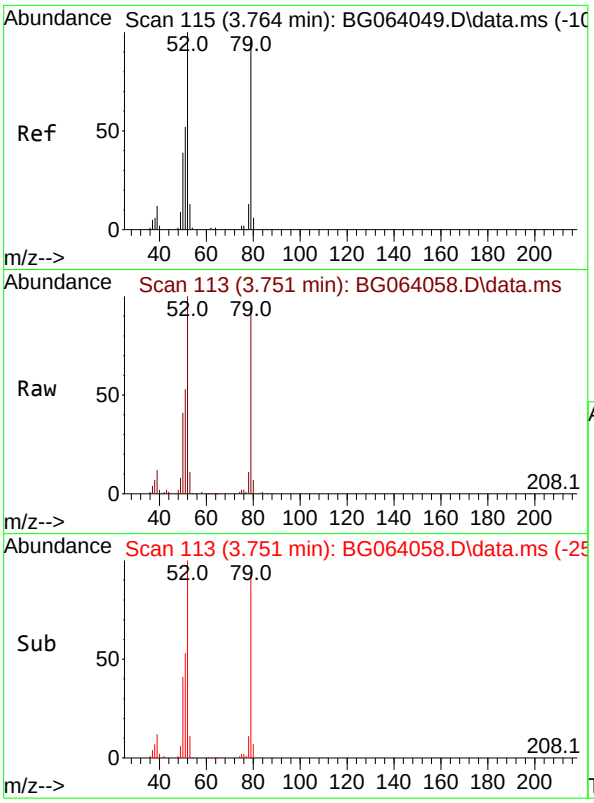


#2
1,4-Dioxane
Concen: 37.627 ng
RT: 3.369 min Scan# 48
Delta R.T. -0.006 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion: 88 Resp: 40790

Ion	Ratio	Lower	Upper
88	100		
58	99.4	74.6	111.8
43	49.9	35.5	53.3





#3
Pyridine
Concen: 37.745 ng
RT: 3.751 min Scan# 11
Delta R.T. -0.012 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion: 79 Resp: 9951

Ion	Ratio	Lower	Upper
79	100		
52	107.4	83.0	124.6
51	57.2	44.3	66.5

Instrument :
BNA_G
ClientSampleId :
PB167031BS

Manual Integrations
APPROVED

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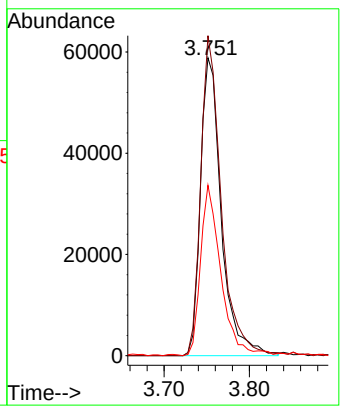
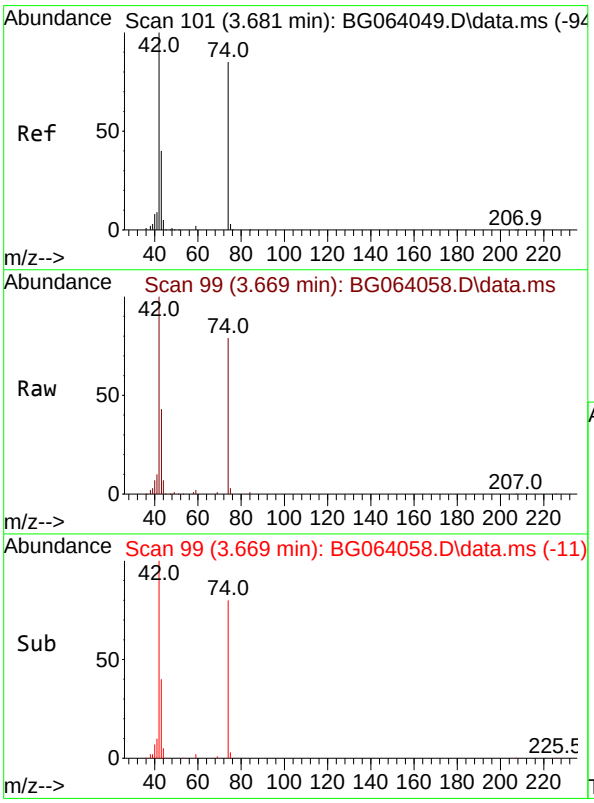
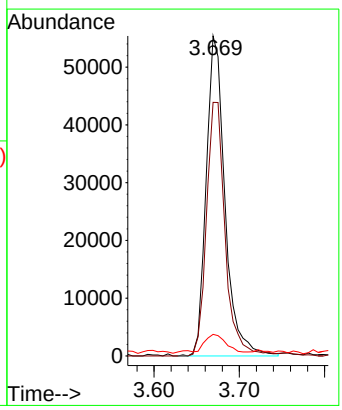


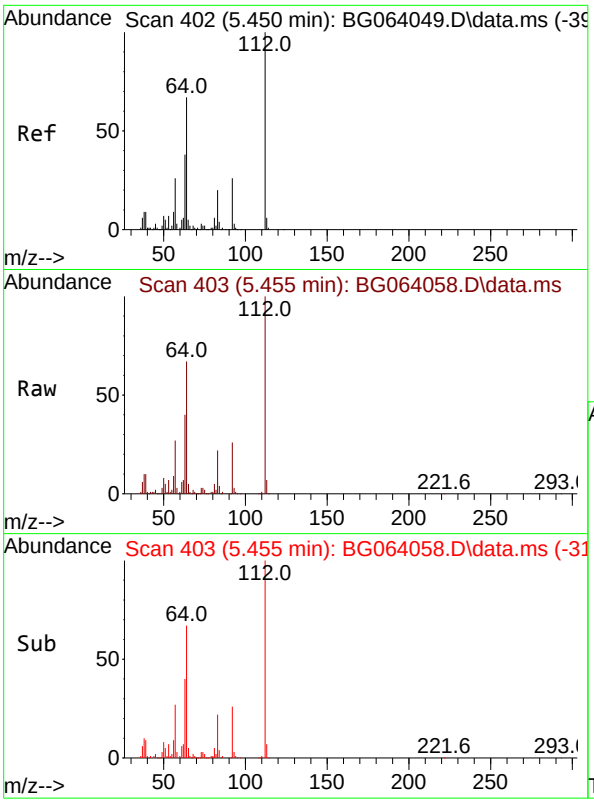


#4
n-Nitrosodimethylamine
Concen: 44.890 ng
RT: 3.669 min Scan# 99
Delta R.T. -0.012 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion: 42 Resp: 84558

Ion	Ratio	Lower	Upper
42	100		
74	79.2	68.0	102.0
44	6.7	4.9	7.3





#5
2-Fluorophenol
Concen: 131.599 ng
RT: 5.455 min Scan# 4(
Delta R.T. 0.005 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:112 Resp: 31478(

Ion	Ratio	Lower	Upper
112	100		
64	67.1	53.7	80.5
63	39.8	30.2	45.4

Instrument :
BNA_G
ClientSampleId :
PB167031BS

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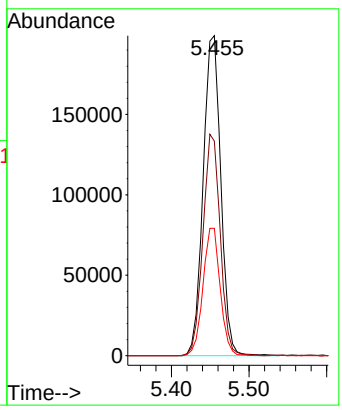
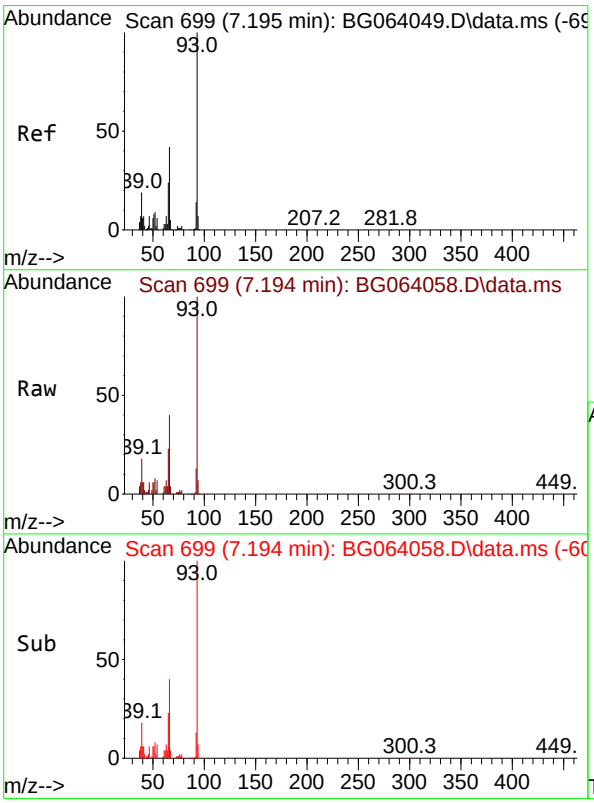
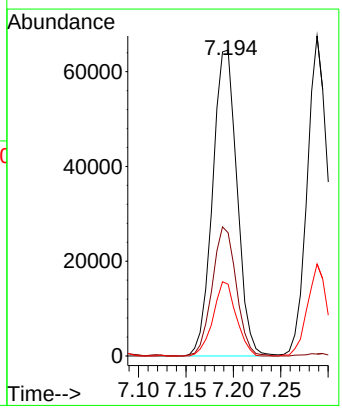


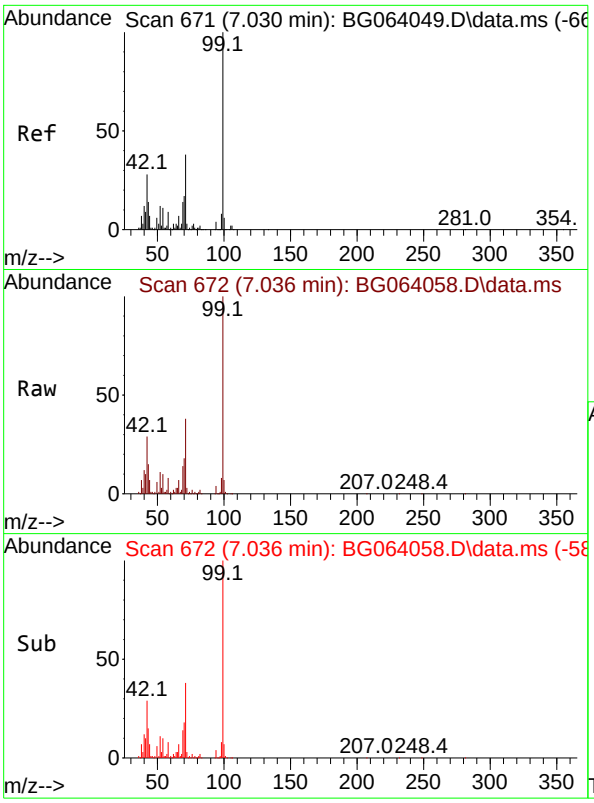


#6
Aniline
Concen: 36.271 ng
RT: 7.194 min Scan# 699
Delta R.T. -0.000 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion: 93 Resp: 115817

Ion	Ratio	Lower	Upper
93	100		
66	40.3	33.7	50.5
65	23.4	19.1	28.7

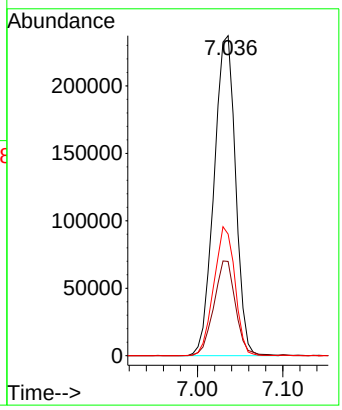




#7
Phenol-d6
Concen: 127.972 ng
RT: 7.036 min Scan# 6
Delta R.T. 0.005 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion: 99 Resp: 41643

Ion	Ratio	Lower	Upper
99	100		
42	29.5	22.7	34.1
71	38.0	30.6	46.0



Instrument :
BNA_G
ClientSampleId :
PB167031BS

Manual Integrations
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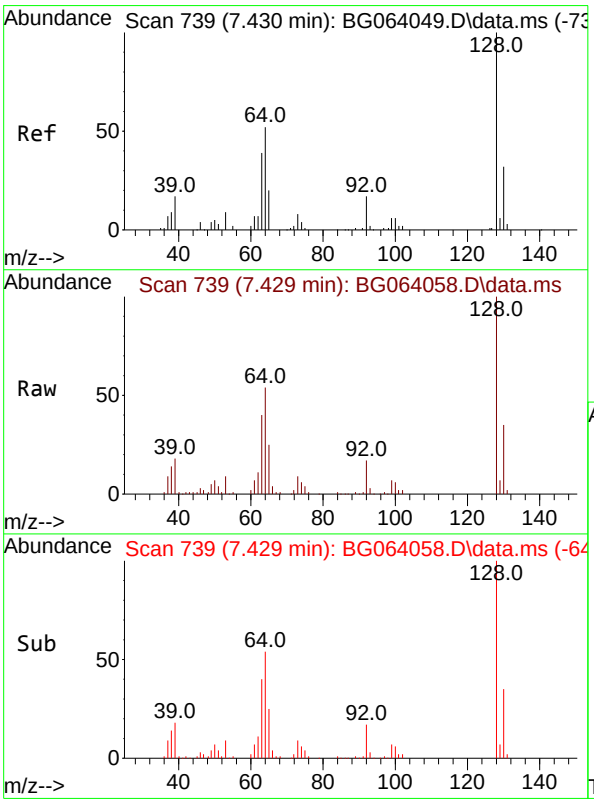
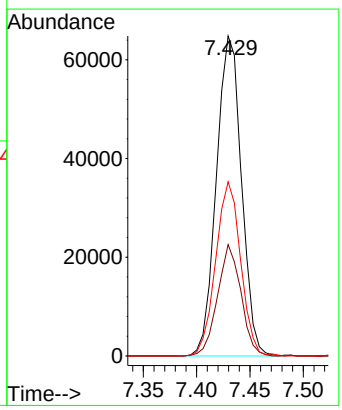
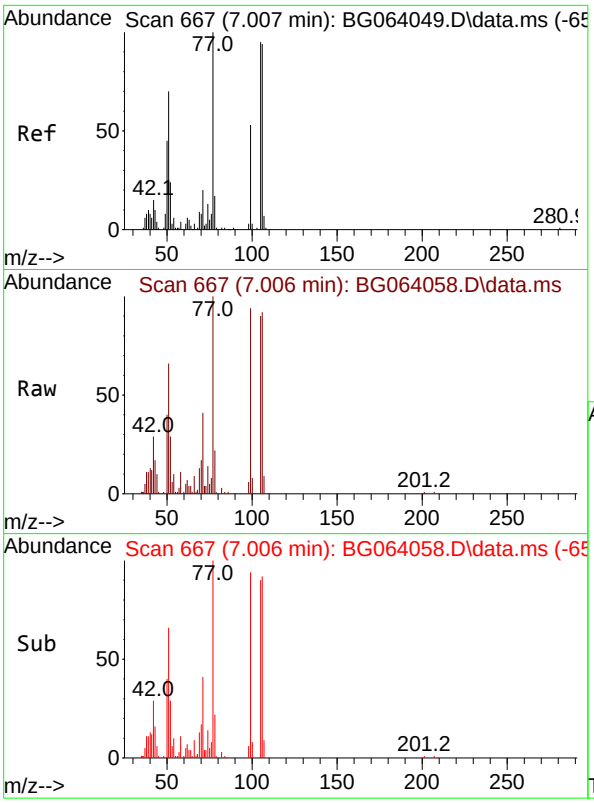


#8
2-Chlorophenol
Concen: 41.225 ng
RT: 7.429 min Scan# 739
Delta R.T. -0.000 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:128 Resp: 105909

Ion	Ratio	Lower	Upper
128	100		
130	34.8	12.3	52.3
64	54.5	37.0	77.0

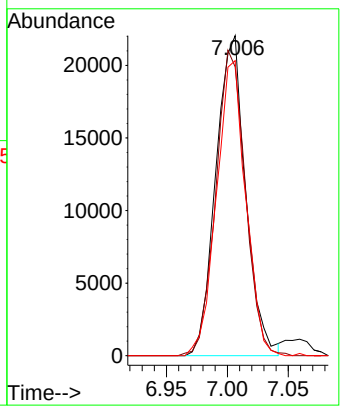




#9
Benzaldehyde
Concen: 19.807 ng
RT: 7.006 min Scan# 6
Delta R.T. -0.001 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion: 77 Resp: 3748

Ion	Ratio	Lower	Upper
77	100		
105	90.2	75.5	115.5
106	92.2	74.2	114.2



Instrument :
BNA_G
ClientSampleId :
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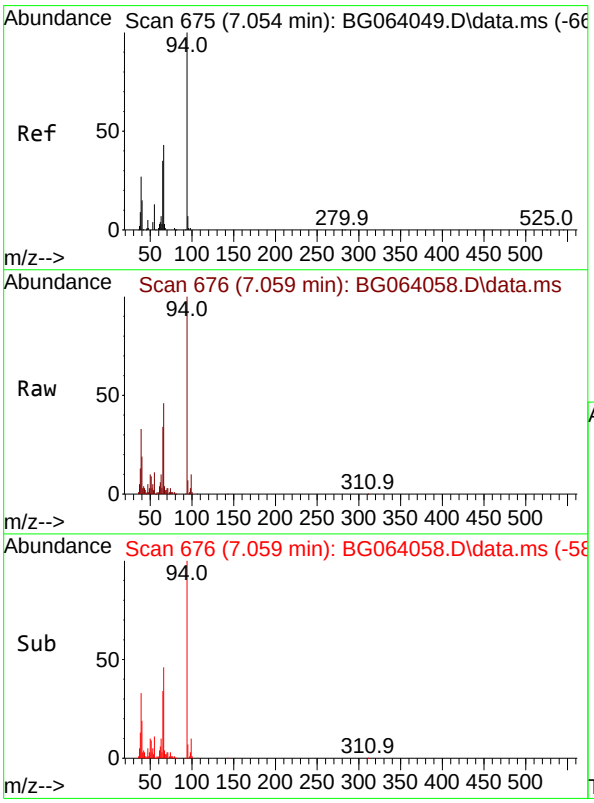
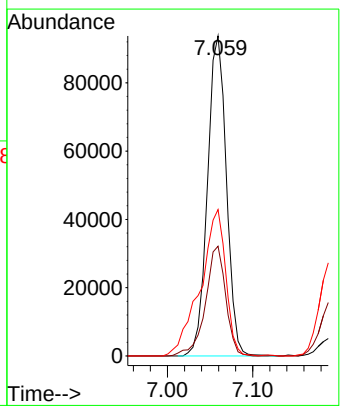
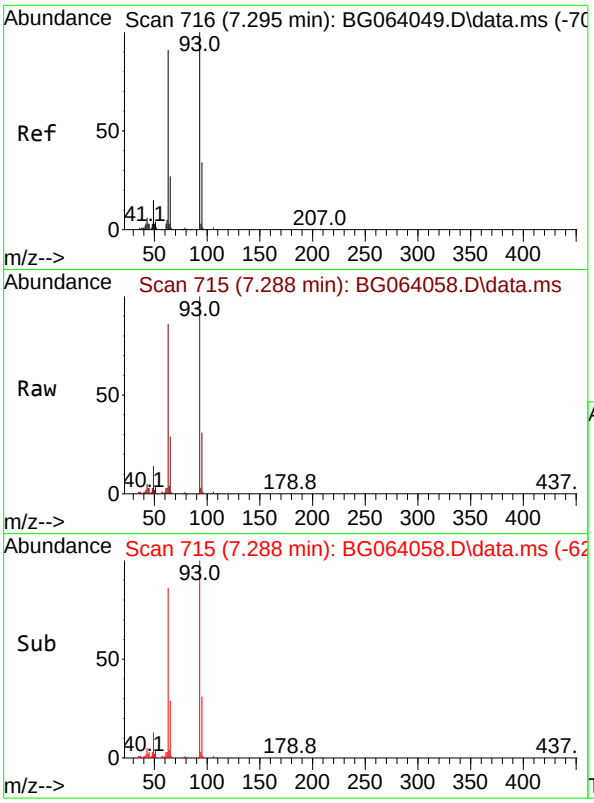


#10
Phenol
Concen: 43.323 ng
RT: 7.059 min Scan# 676
Delta R.T. 0.005 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion: 94 Resp: 144336

Ion	Ratio	Lower	Upper
94	100		
65	34.3	15.2	55.2
66	45.8	25.1	65.1

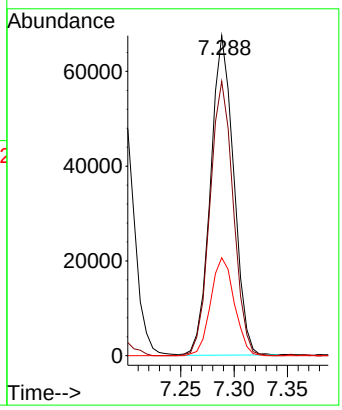




#11
bis(2-Chloroethyl)ether
Concen: 39.020 ng
RT: 7.288 min Scan# 7
Delta R.T. -0.006 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion: 93 Resp: 10192

Ion	Ratio	Lower	Upper
93	100		
63	85.8	70.0	110.0
95	30.6	13.7	53.7



Instrument :
BNA_G
ClientSampleId :
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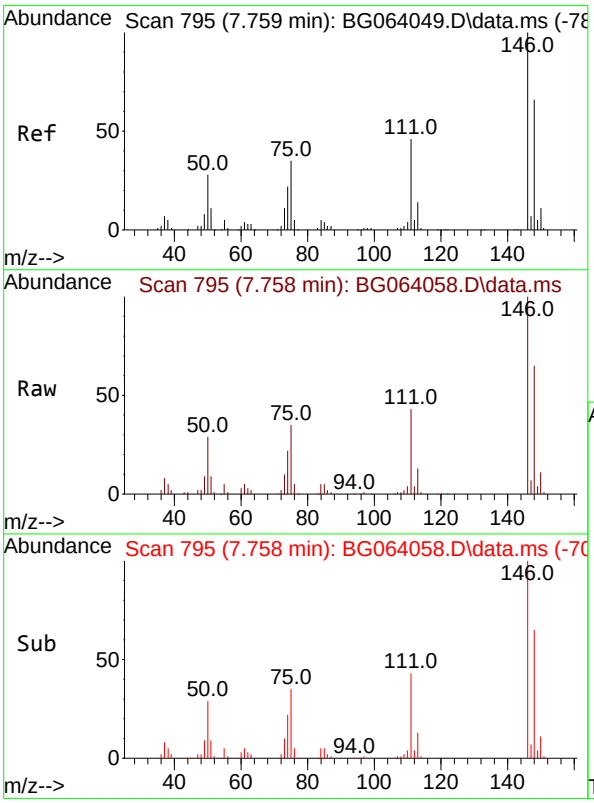
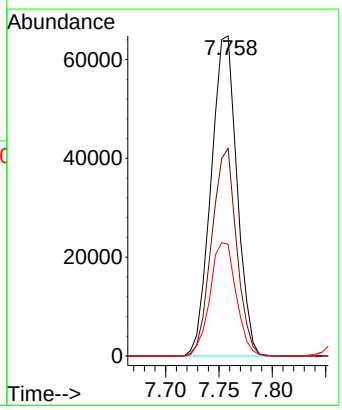
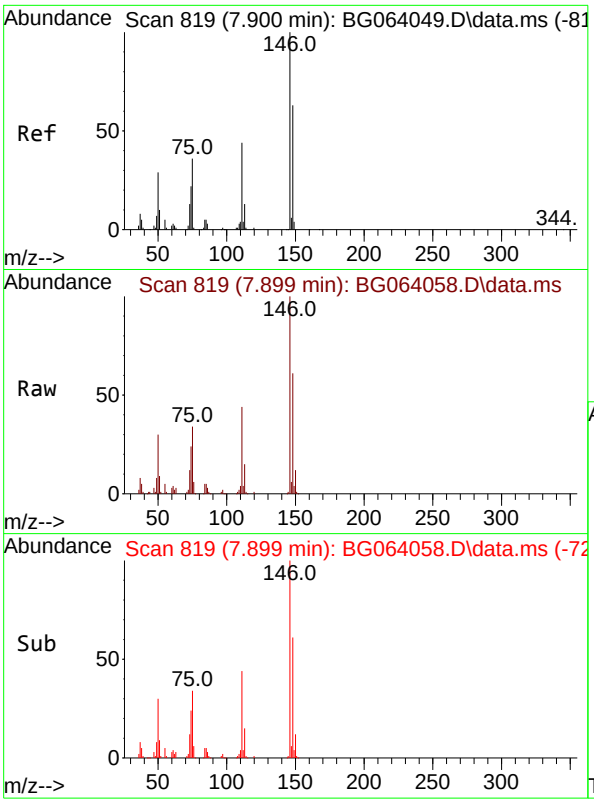


#12
1,3-Dichlorobenzene
Concen: 38.738 ng
RT: 7.758 min Scan# 795
Delta R.T. -0.000 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:146 Resp: 109287

Ion	Ratio	Lower	Upper
146	100		
148	64.8	52.6	78.8
75	34.9	28.1	42.1





#13
1,4-Dichlorobenzene
Concen: 38.034 ng
RT: 7.899 min Scan# 81
Delta R.T. -0.000 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:146 Resp: 10998

Ion	Ratio	Lower	Upper
146	100		
148	60.5	50.6	75.8
111	44.5	35.1	52.7

Instrument :
BNA_G
ClientSampleId :
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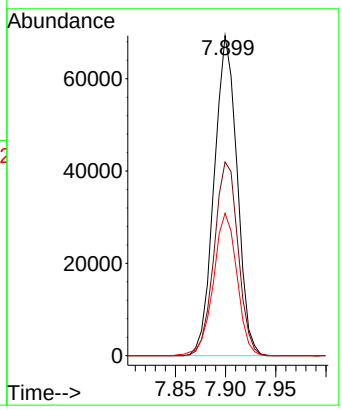
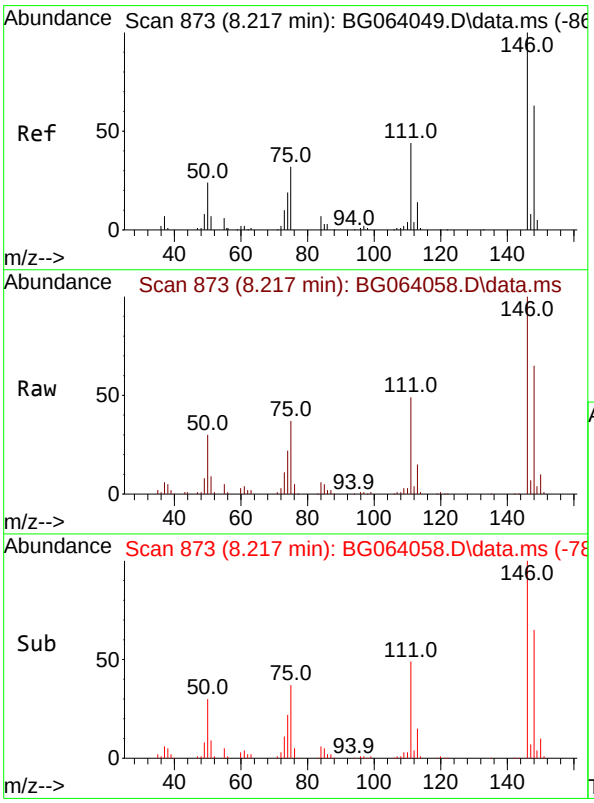
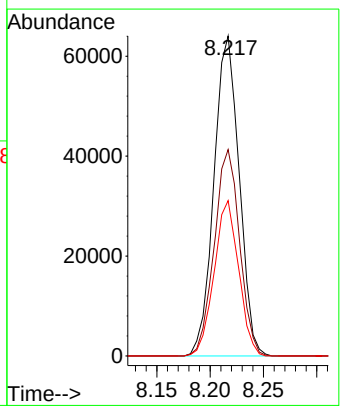


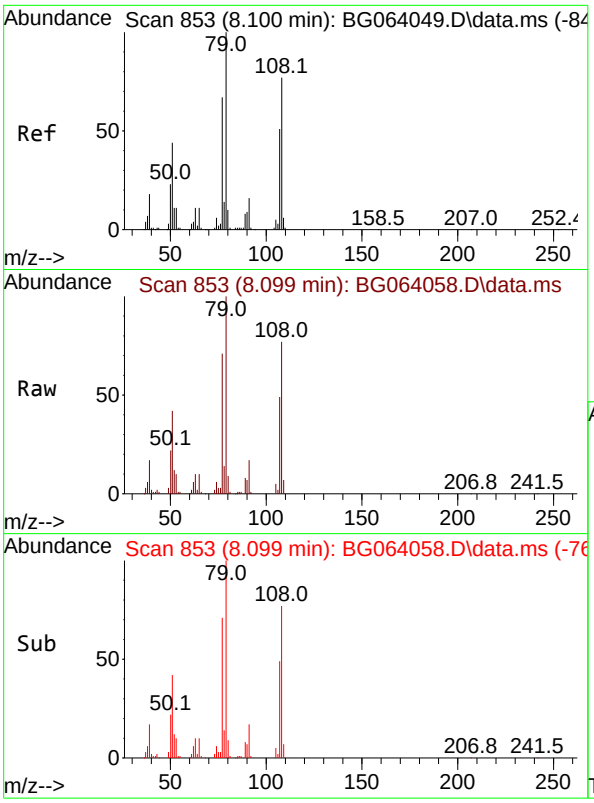


#14
1,2-Dichlorobenzene
Concen: 37.754 ng
RT: 8.217 min Scan# 873
Delta R.T. -0.000 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:146 Resp: 105273

Ion	Ratio	Lower	Upper
146	100		
148	64.5	50.2	75.2
111	48.6	36.4	54.6





#15
Benzyl Alcohol
Concen: 41.567 ng
RT: 8.099 min Scan# 8
Delta R.T. -0.000 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion: 79 Resp: 10452

Ion	Ratio	Lower	Upper
79	100		
108	77.3	61.7	92.5
77	70.6	53.9	80.9

Instrument :
BNA_G
ClientSampleId :
PB167031BS

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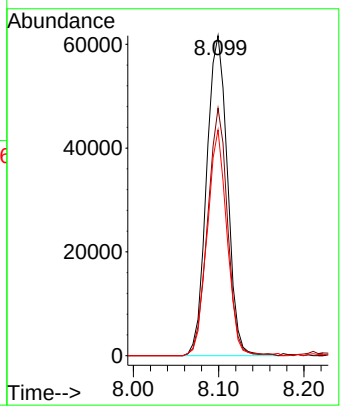
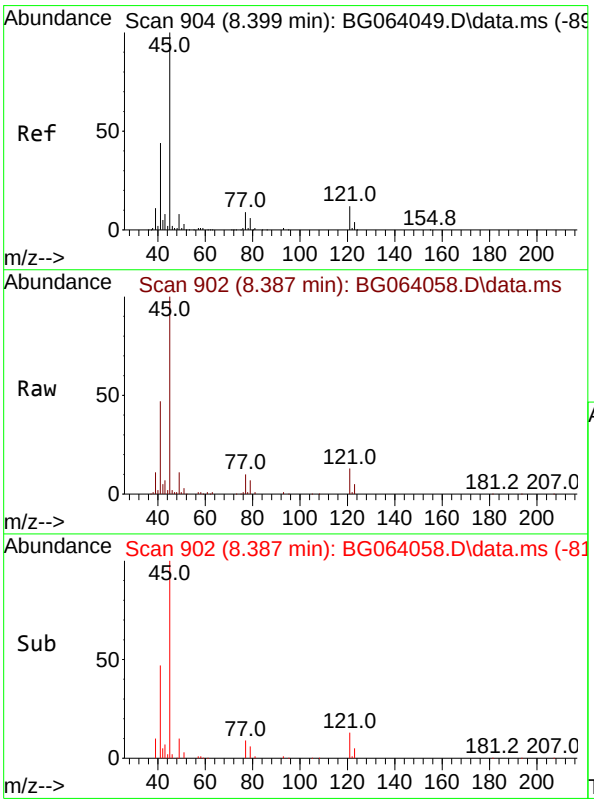
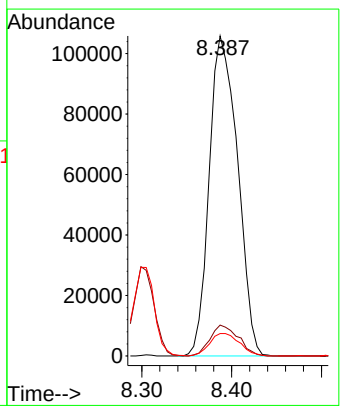


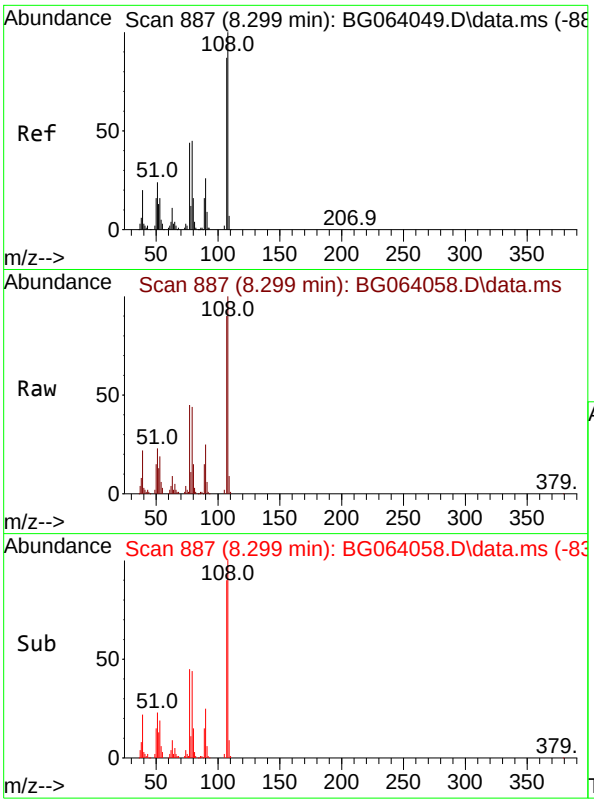


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.486 ng
RT: 8.387 min Scan# 902
Delta R.T. -0.012 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion: 45 Resp: 231908

Ion	Ratio	Lower	Upper
45	100		
77	9.7	0.0	29.0
79	7.0	0.0	26.6

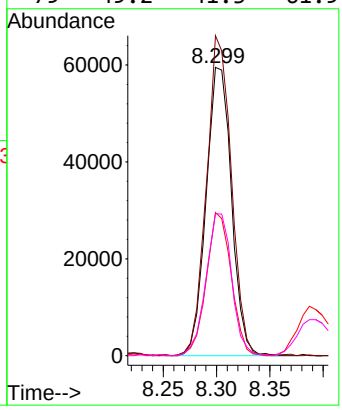




#17
2-Methylphenol
Concen: 44.424 ng
RT: 8.299 min Scan# 8
Delta R.T. -0.000 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:107 Resp: 9822

Ion	Ratio	Lower	Upper
107	100		
108	111.0	92.5	138.7
77	49.7	40.5	60.7
79	49.2	41.3	61.9



Instrument :
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ClientSampleId :
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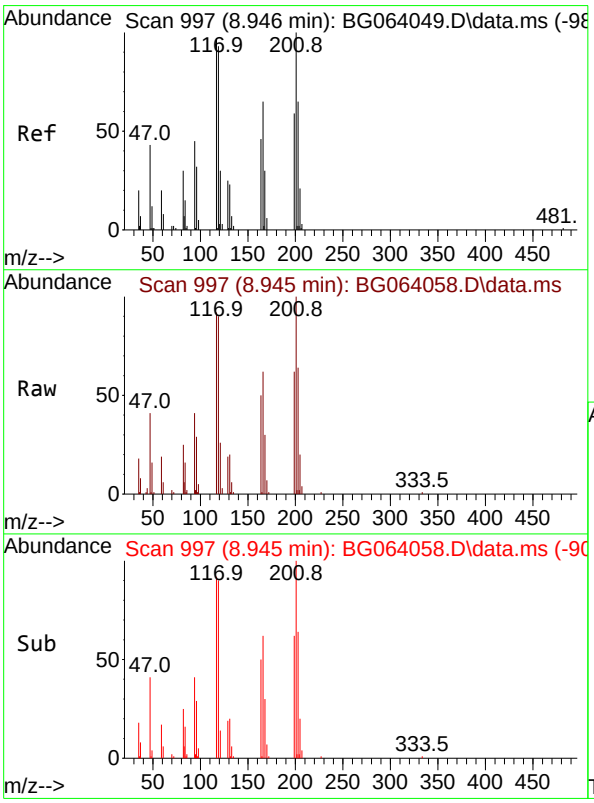
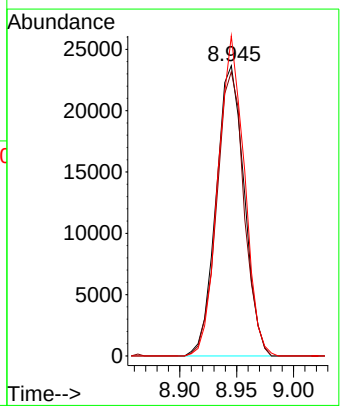
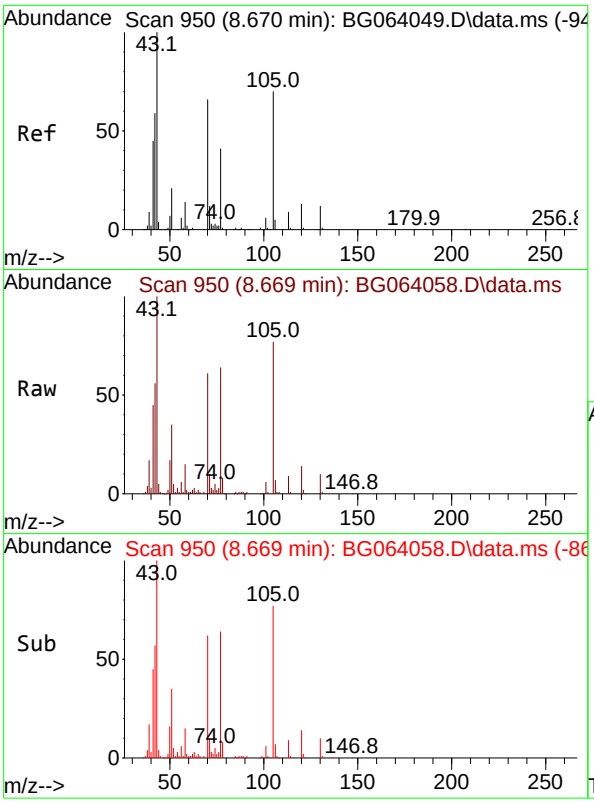


#18
Hexachloroethane
Concen: 40.232 ng
RT: 8.945 min Scan# 997
Delta R.T. -0.000 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:117 Resp: 40703

Ion	Ratio	Lower	Upper
117	100		
119	97.9	76.2	114.2
201	110.2	81.5	122.3

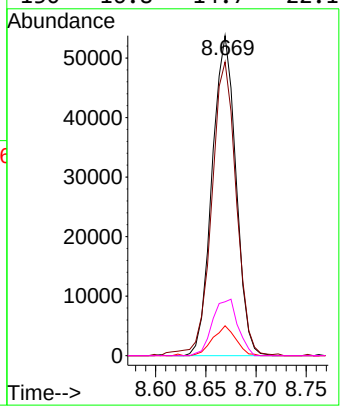




#19
n-Nitroso-di-n-propylamine
Concen: 38.857 ng
RT: 8.669 min Scan# 9
Delta R.T. -0.000 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion: 70 Resp: 8873

Ion	Ratio	Lower	Upper
70	100		
42	91.8	72.1	108.1
101	9.3	7.2	10.8
130	16.8	14.7	22.1



Instrument :
BNA_G
ClientSampleId :
PB167031BS

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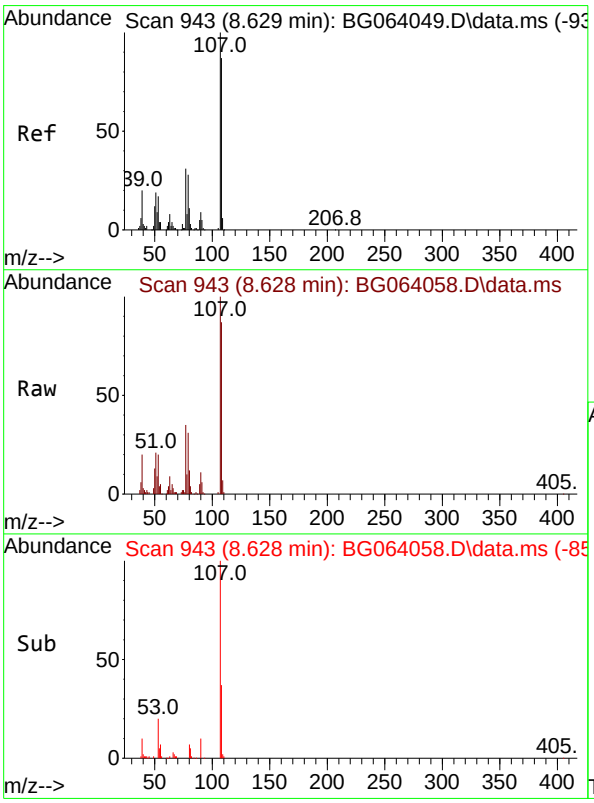
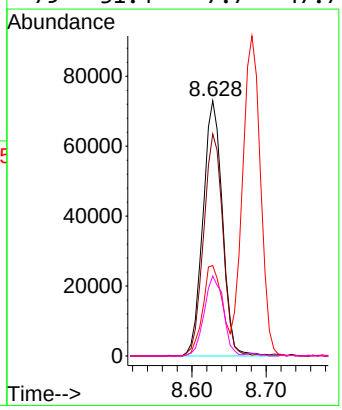
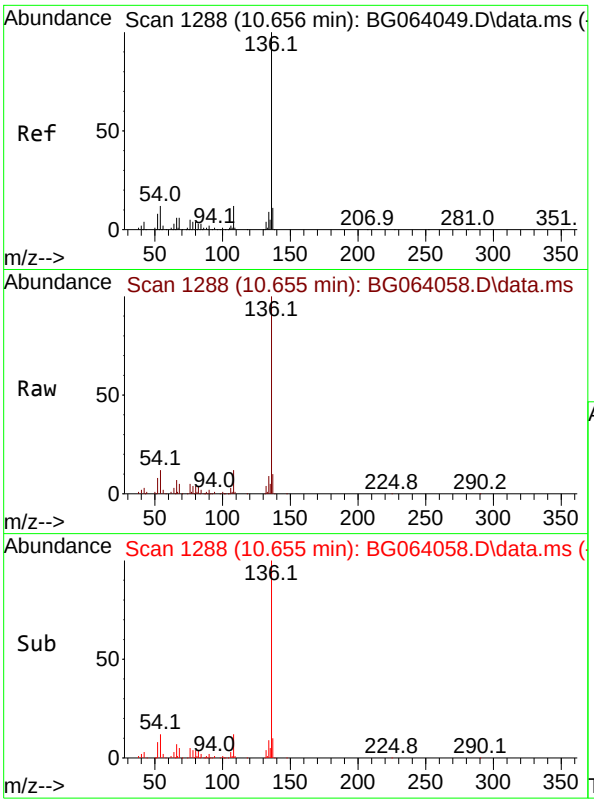


#20
3+4-Methylphenols
Concen: 43.685 ng
RT: 8.628 min Scan# 943
Delta R.T. -0.000 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:107 Resp: 132984

Ion	Ratio	Lower	Upper
107	100		
108	87.0	67.0	107.0
77	35.4	11.2	51.2
79	31.4	7.7	47.7

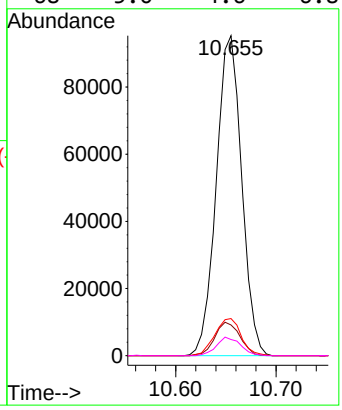




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.655 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:136 Resp: 16759

Ion	Ratio	Lower	Upper
136	100		
137	9.6	8.5	12.7
54	11.6	9.9	14.9
68	5.0	4.6	6.8



Instrument :
BNA_G
ClientSampleId :
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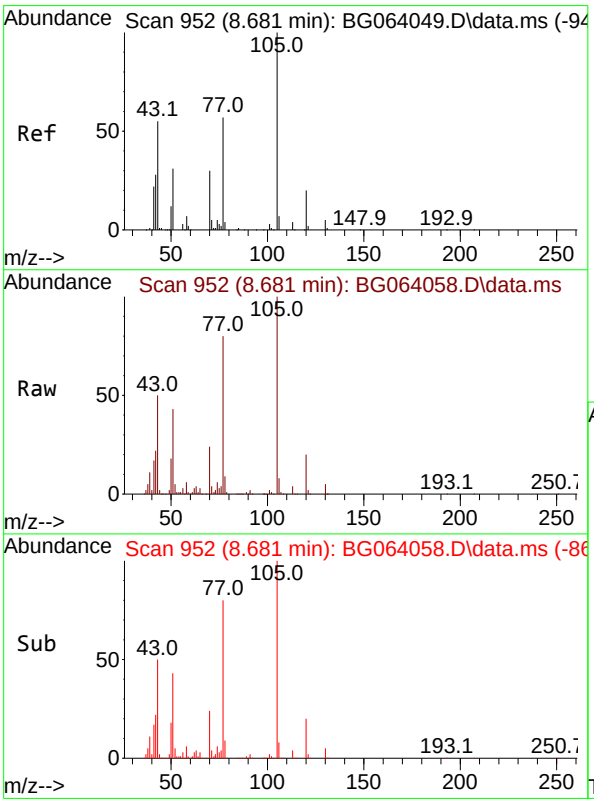
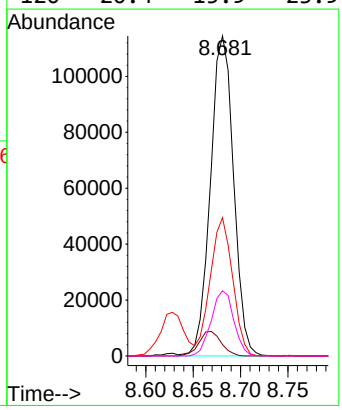
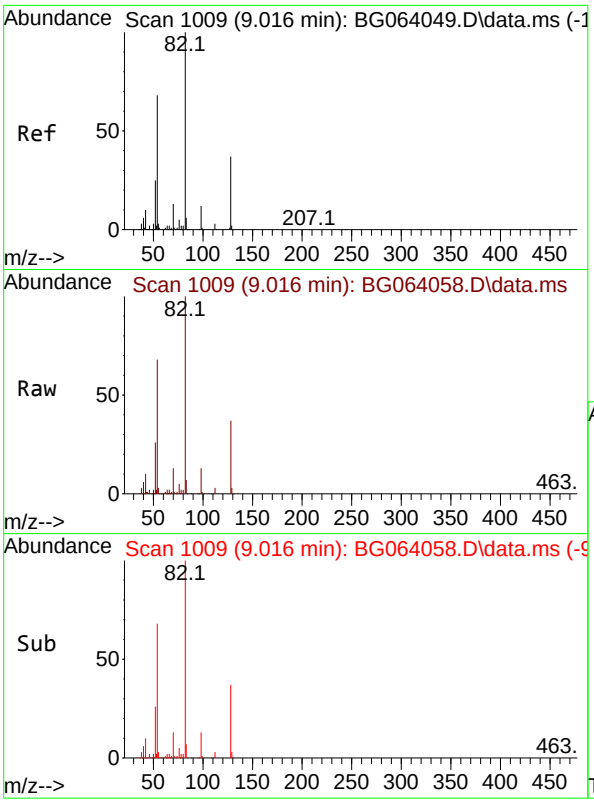


#22
Acetophenone
Concen: 42.313 ng
RT: 8.681 min Scan# 952
Delta R.T. -0.000 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:105 Resp: 194433

Ion	Ratio	Lower	Upper
105	100		
71	3.6	4.2	6.4#
51	43.2	33.3	49.9
120	20.4	15.9	23.9

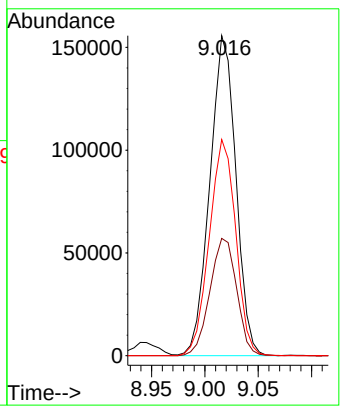




#23
Nitrobenzene-d5
Concen: 87.181 ng
RT: 9.016 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion: 82 Resp: 26439

Ion	Ratio	Lower	Upper
82	100		
128	36.6	30.0	45.0
54	67.5	54.7	82.1



Instrument :
BNA_G
ClientSampleId :
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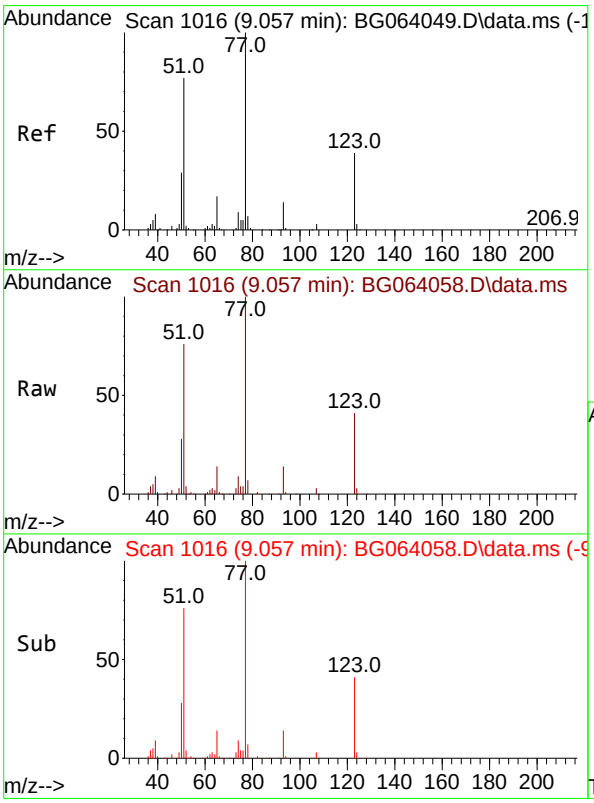
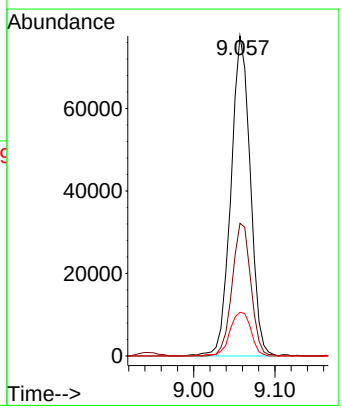
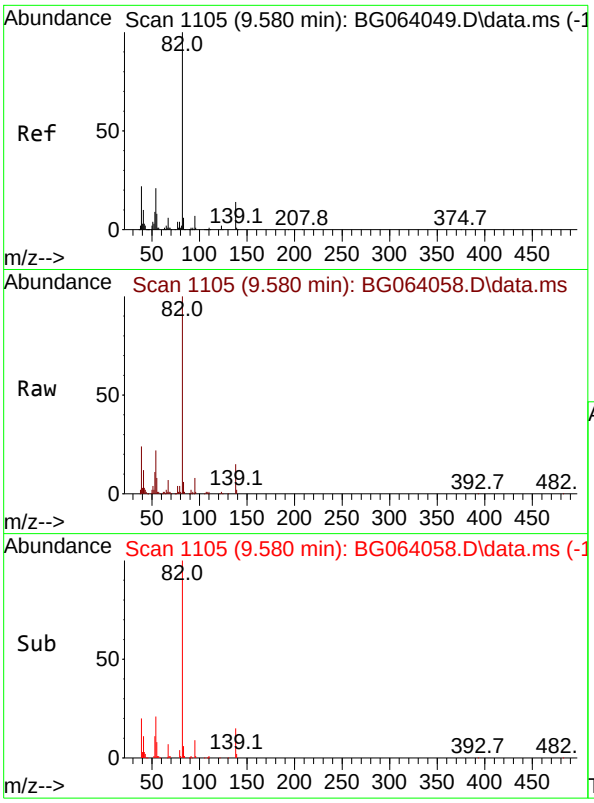


#24
Nitrobenzene
Concen: 40.890 ng
RT: 9.057 min Scan# 1016
Delta R.T. -0.001 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion: 77 Resp: 128158

Ion	Ratio	Lower	Upper
77	100		
123	41.5	31.4	47.2
65	13.6	13.4	20.0

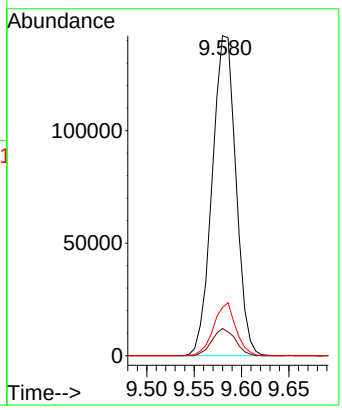




#25
Isophorone
Concen: 40.843 ng
RT: 9.580 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion: 82 Resp: 24792

Ion	Ratio	Lower	Upper
82	100		
95	8.5	5.8	8.8
138	15.1	10.9	16.3



Instrument :
BNA_G
ClientSampleId :
PB167031BS

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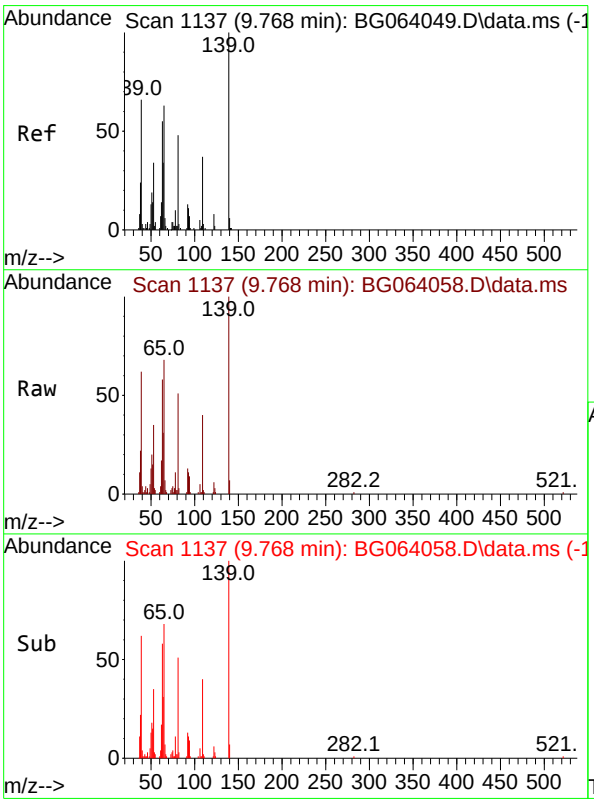
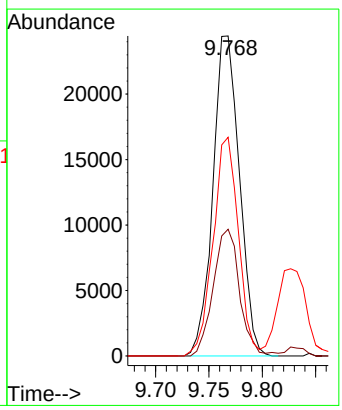
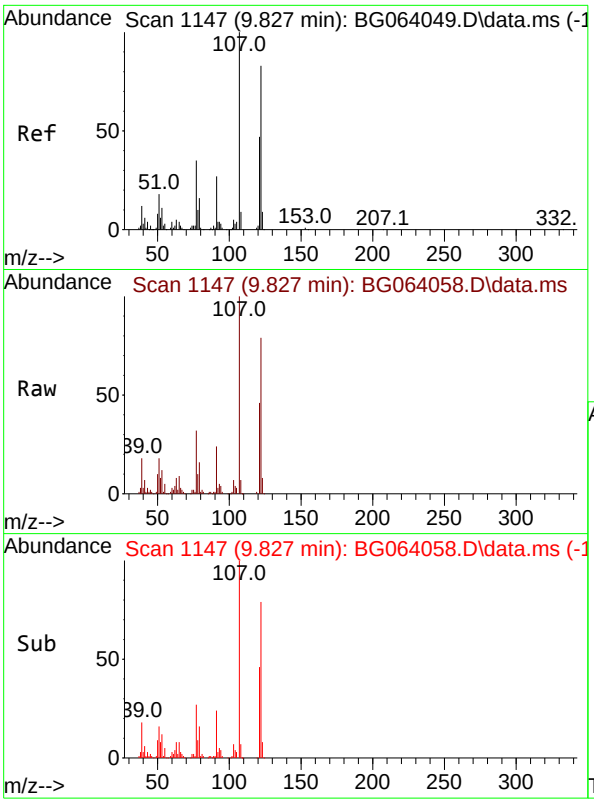


#26
2-Nitrophenol
Concen: 40.610 ng
RT: 9.768 min Scan# 1137
Delta R.T. -0.000 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:139 Resp: 42284

Ion	Ratio	Lower	Upper
139	100		
109	39.6	29.9	44.9
65	68.3	50.6	76.0





#27
2,4-Dimethylphenol
Concen: 55.290 ng
RT: 9.827 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:122 Resp: 10061

Ion	Ratio	Lower	Upper
122	100		
107	126.4	95.4	143.0
121	58.6	44.9	67.3

Instrument :
BNA_G
ClientSampleId :
PB167031BS

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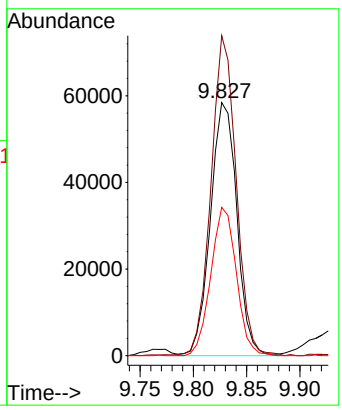
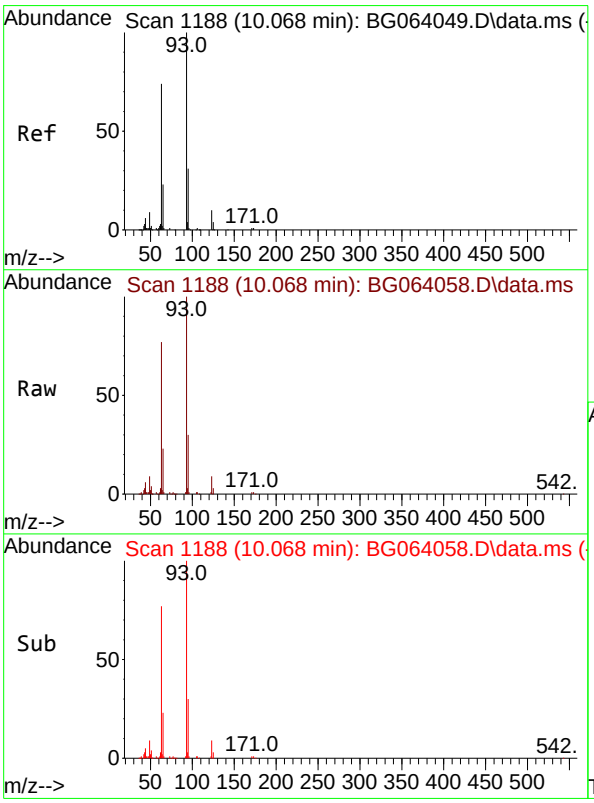
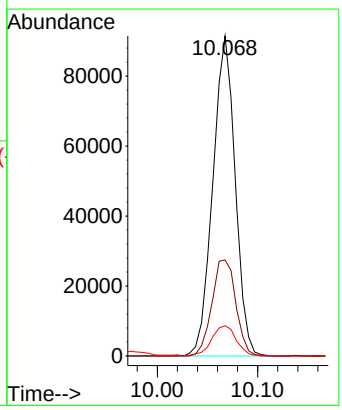


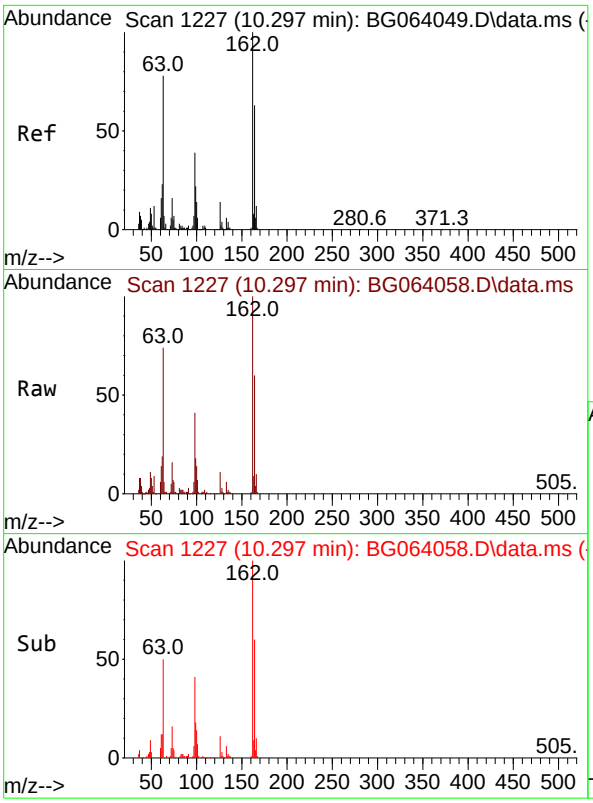


#28
bis(2-Chloroethoxy)methane
Concen: 38.409 ng
RT: 10.068 min Scan# 1188
Delta R.T. -0.000 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion: 93 Resp: 141355

Ion	Ratio	Lower	Upper
93	100		
95	30.0	25.0	37.4
123	9.4	7.6	11.4





#29
2,4-Dichlorophenol
Concen: 43.177 ng
RT: 10.297 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:162 Resp: 9921

Ion	Ratio	Lower	Upper
162	100		
164	60.3	42.8	82.8
98	41.5	19.1	59.1

Instrument :
BNA_G
ClientSampleId :
PB167031BS

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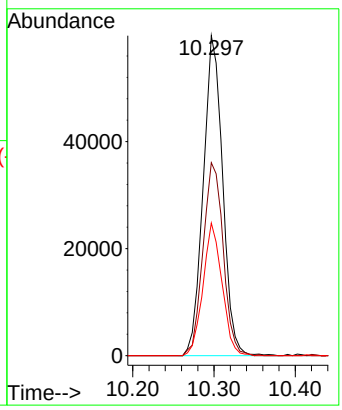
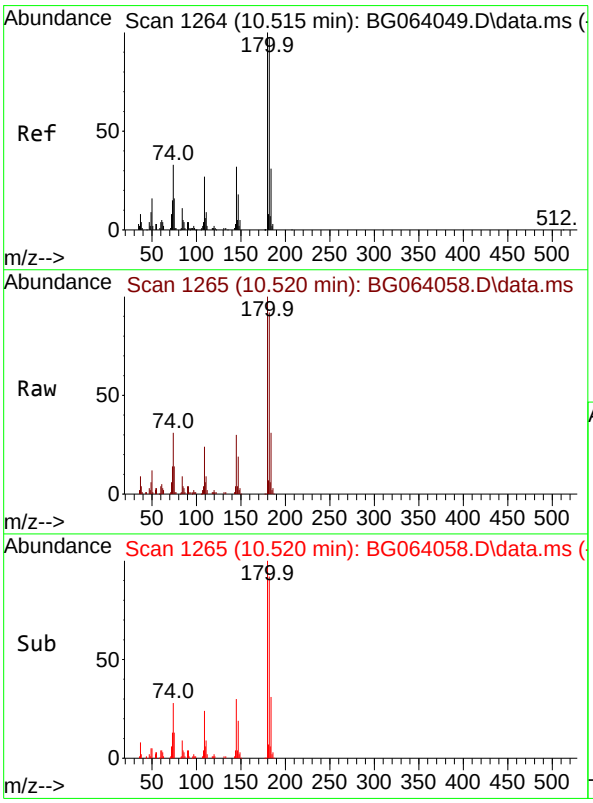
Supervised By :Jagrut Upadhyay 03/10/2025

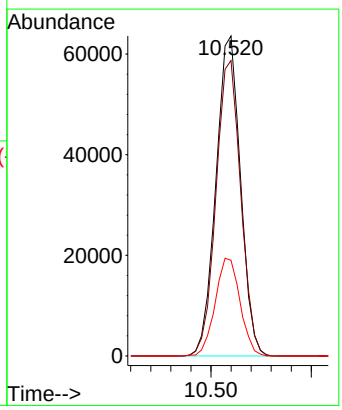


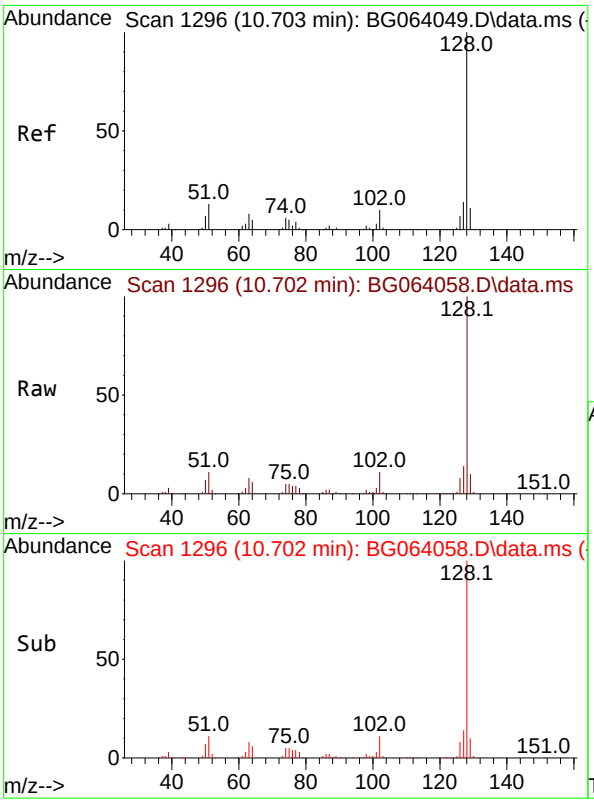


#30
1,2,4-Trichlorobenzene
Concen: 38.954 ng
RT: 10.520 min Scan# 1265
Delta R.T. 0.005 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:180 Resp: 108054

Ion	Ratio	Lower	Upper
180	100		
182	92.3	77.3	115.9
145	29.9	25.2	37.8

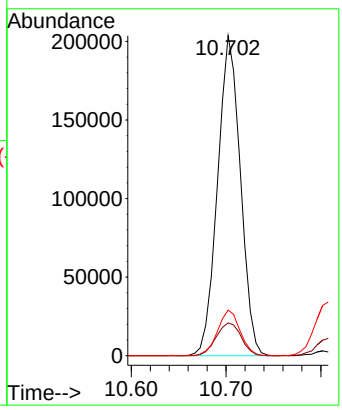




#31
Naphthalene
Concen: 37.721 ng
RT: 10.702 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:128 Resp: 34089

Ion	Ratio	Lower	Upper
128	100		
129	10.2	8.4	12.6
127	14.3	11.1	16.7



Instrument :
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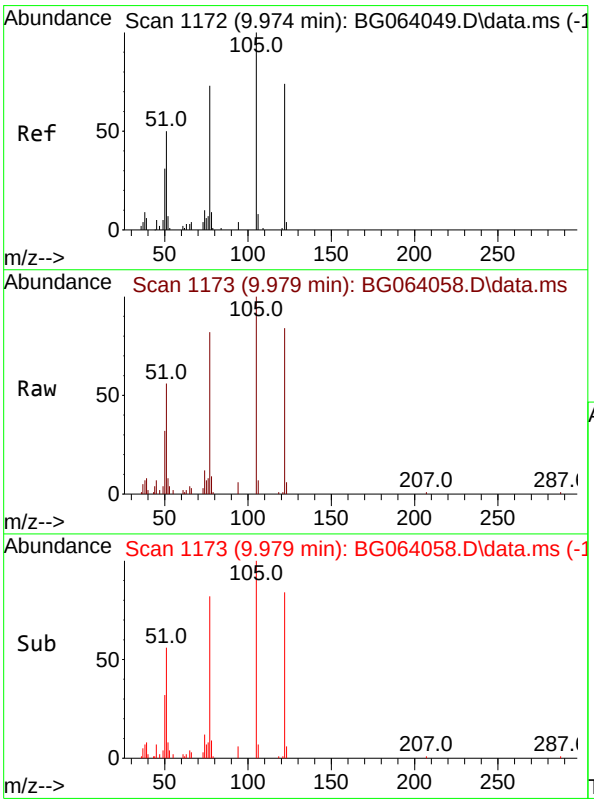
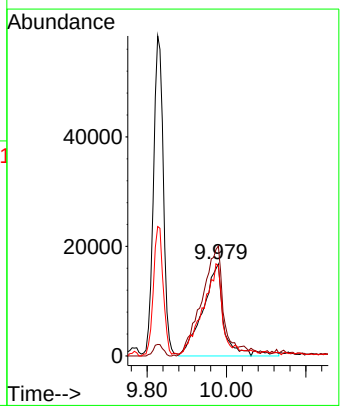
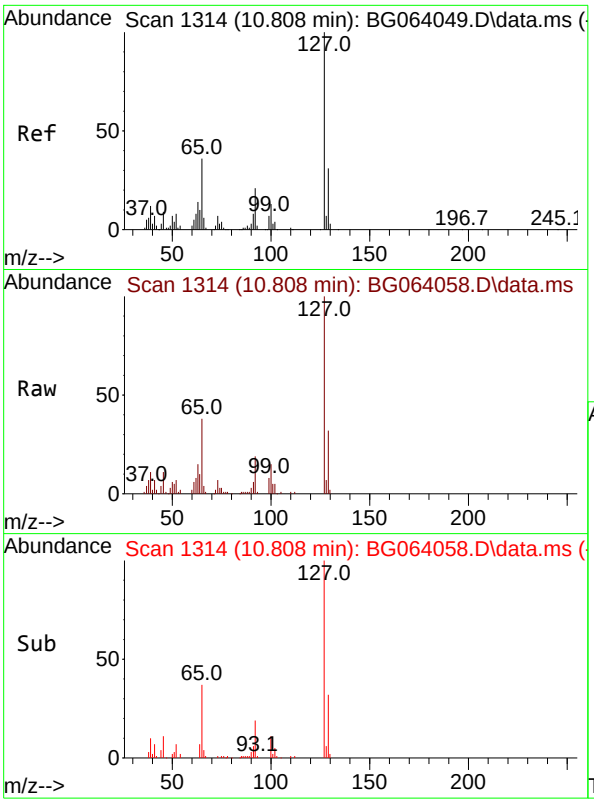


#32
Benzoic acid
Concen: 39.159 ng m
RT: 9.979 min Scan# 1173
Delta R.T. 0.005 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:122 Resp: 62172

Ion	Ratio	Lower	Upper
122	100		
105	119.4	115.0	155.0
77	98.3	80.9	120.9

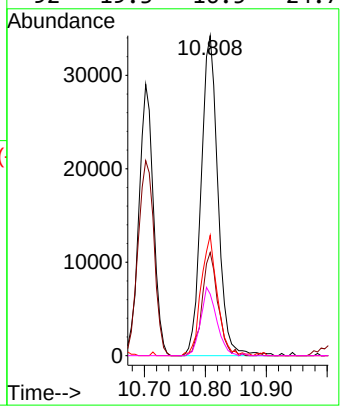




#33
4-Chloroaniline
Concen: 19.784 ng
RT: 10.808 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:127 Resp: 6534

Ion	Ratio	Lower	Upper
127	100		
129	32.2	25.0	37.4
65	37.6	28.5	42.7
92	19.3	16.5	24.7



Instrument :
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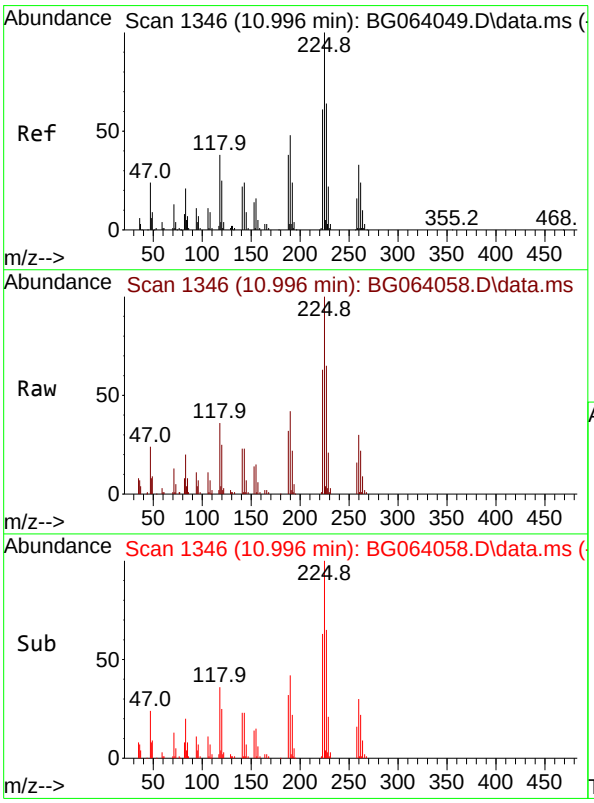
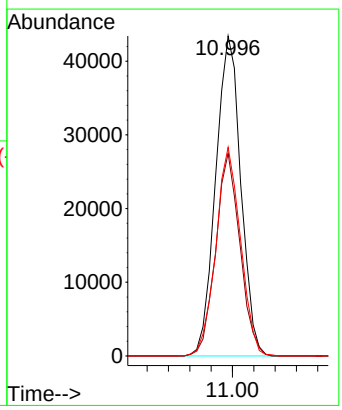
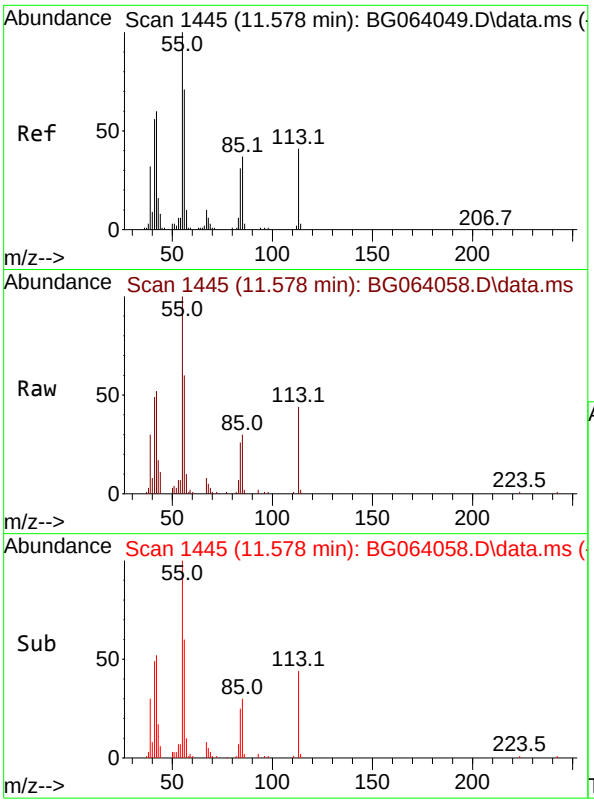


#34
Hexachlorobutadiene
Concen: 38.996 ng
RT: 10.996 min Scan# 1346
Delta R.T. -0.000 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:225 Resp: 70901

Ion	Ratio	Lower	Upper
225	100		
223	63.3	48.5	72.7
227	65.2	51.0	76.6

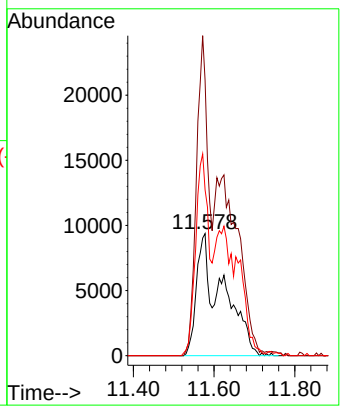




#35
Caprolactam
Concen: 48.017 ng m
RT: 11.578 min Scan# 14
Delta R.T. -0.000 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:113 Resp: 4228

Ion	Ratio	Lower	Upper
113	100		
55	225.6	225.2	265.2
56	136.0	153.4	193.4



Instrument :
BNA_G
ClientSampleId :
PB167031BS

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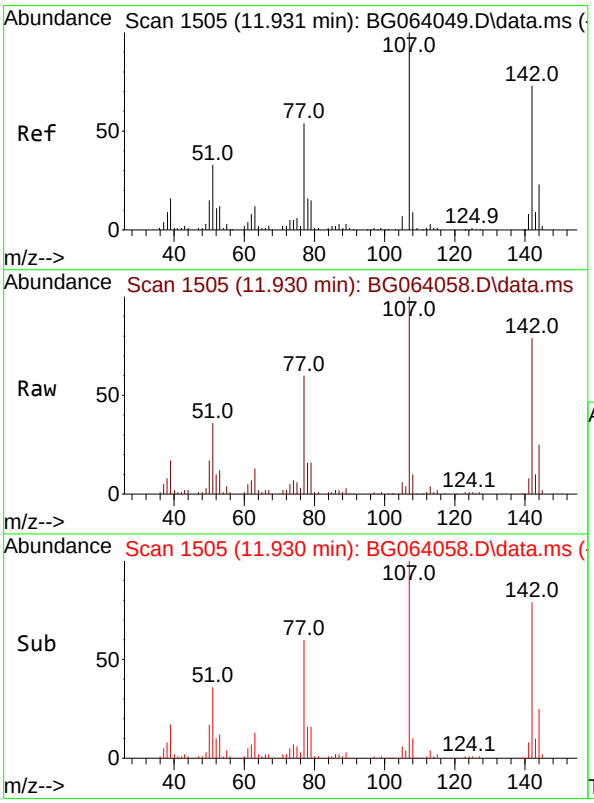
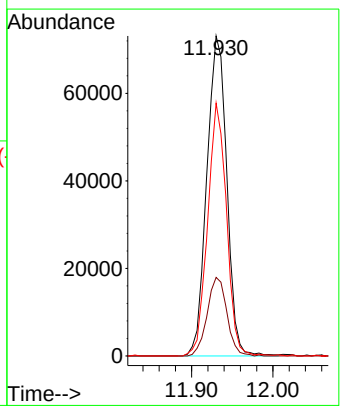
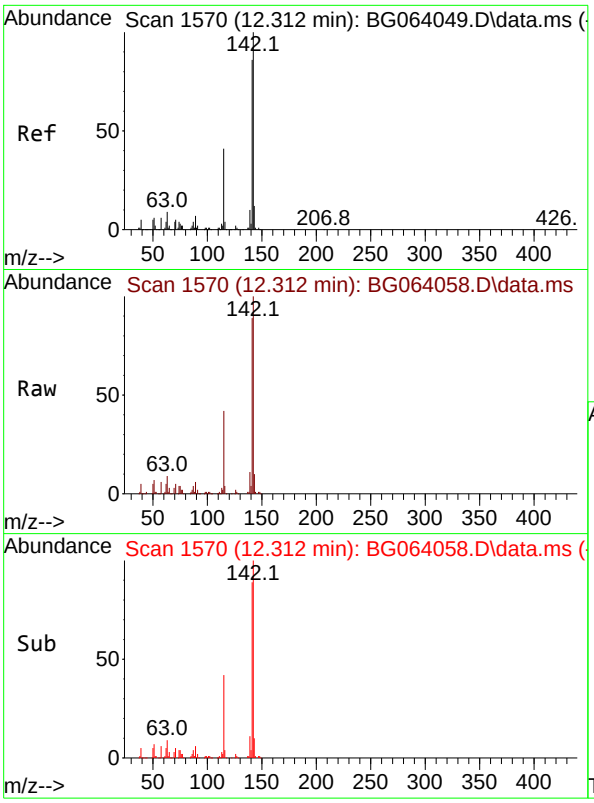


#36
4-Chloro-3-methylphenol
Concen: 41.457 ng
RT: 11.930 min Scan# 1505
Delta R.T. -0.000 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:107 Resp: 124870

Ion	Ratio	Lower	Upper
107	100		
144	24.5	18.6	28.0
142	79.0	58.0	87.0

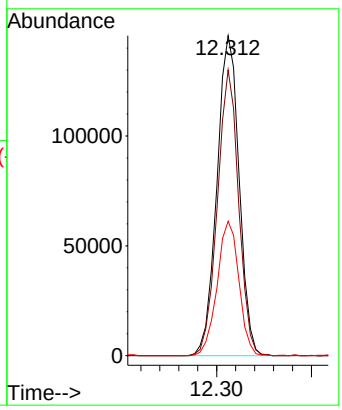




#37
2-Methylnaphthalene
Concen: 37.118 ng
RT: 12.312 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:142 Resp: 23680

Ion	Ratio	Lower	Upper
142	100		
141	89.3	68.6	103.0
115	42.0	32.8	49.2



Instrument :
BNA_G
ClientSampleId :
PB167031BS

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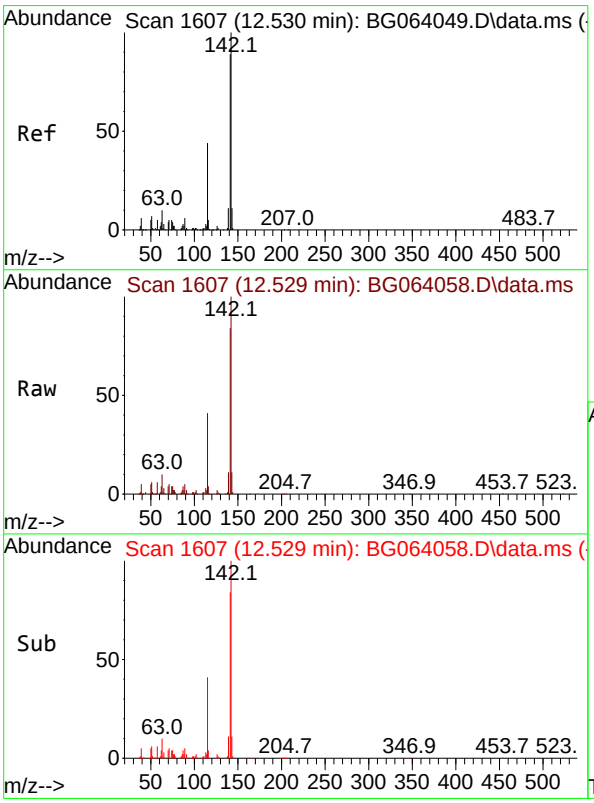
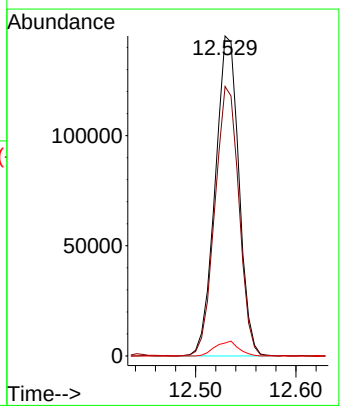
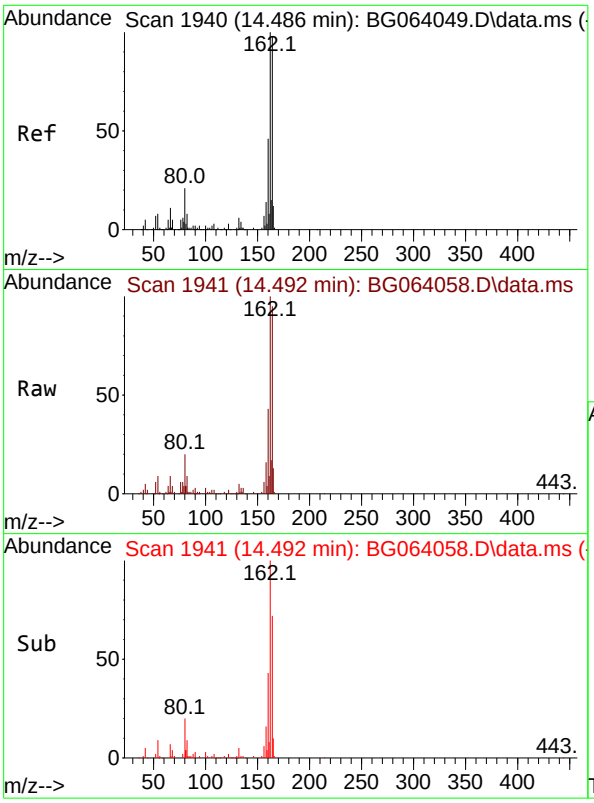


#38
1-Methylnaphthalene
Concen: 38.041 ng
RT: 12.529 min Scan# 1607
Delta R.T. -0.001 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:142 Resp: 237776

Ion	Ratio	Lower	Upper
142	100		
141	84.2	71.2	106.8
116	4.0	3.6	5.4

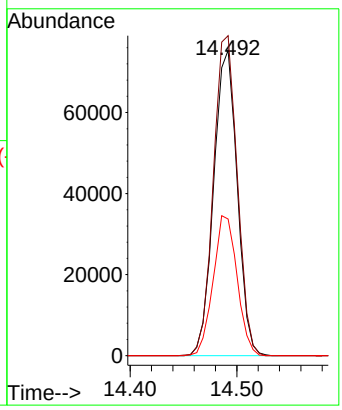




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.492 min Scan# 1
Delta R.T. 0.006 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:164 Resp: 11530

Ion	Ratio	Lower	Upper
164	100		
162	104.8	81.4	122.0
160	44.8	37.0	55.6



Instrument :
BNA_G
ClientSampleId :
PB167031BS

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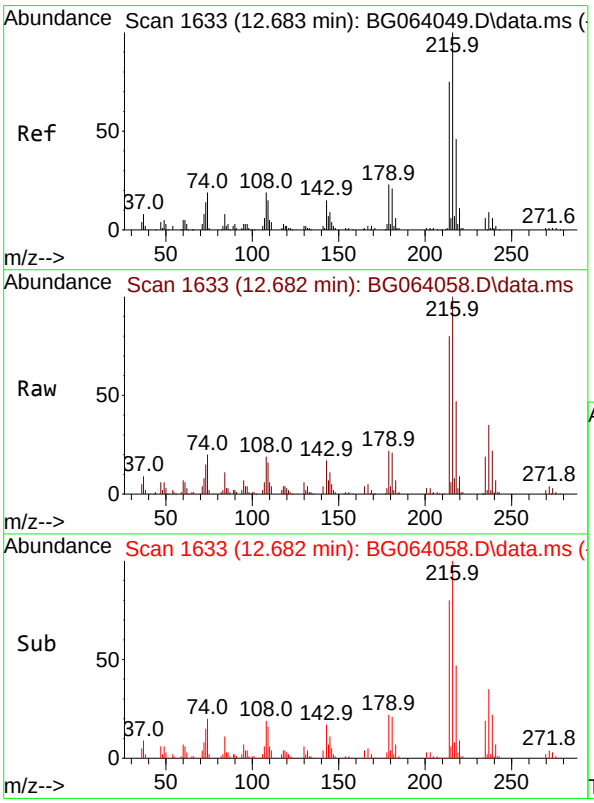
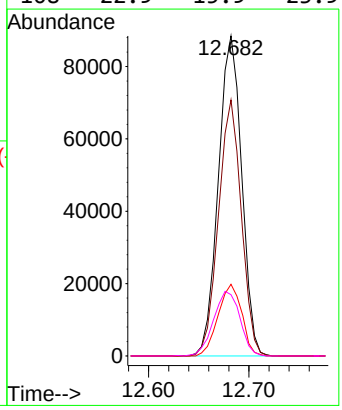
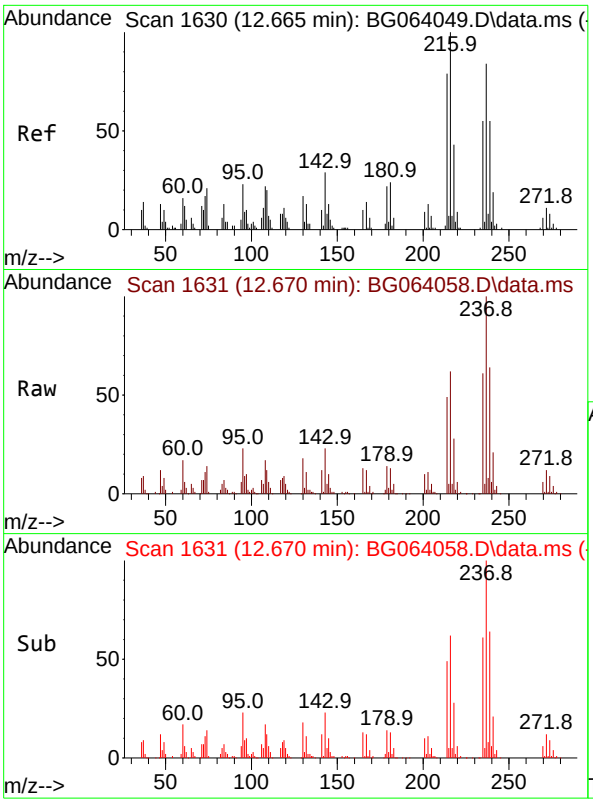


#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.370 ng
RT: 12.682 min Scan# 1633
Delta R.T. -0.001 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:216 Resp: 142769

Ion	Ratio	Lower	Upper
216	100		
214	78.2	61.7	92.5
179	22.7	17.9	26.9
108	22.9	15.9	23.9

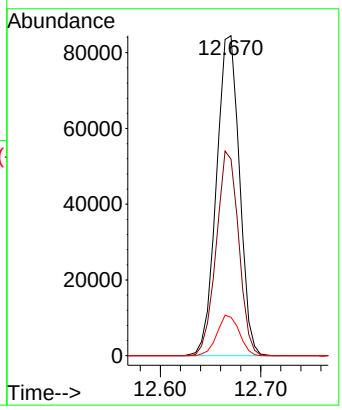




#41
Hexachlorocyclopentadiene
Concen: 145.029 ng
RT: 12.670 min Scan# 1
Delta R.T. 0.005 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:237 Resp: 13437

Ion	Ratio	Lower	Upper
237	100		
235	61.4	46.0	86.0
272	12.0	0.0	32.8



Instrument :
BNA_G
ClientSampleId :
PB167031BS

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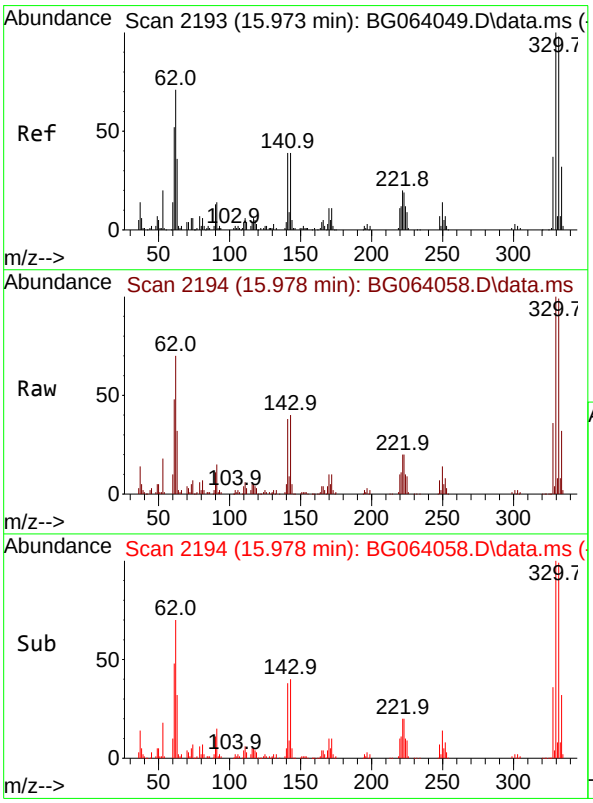
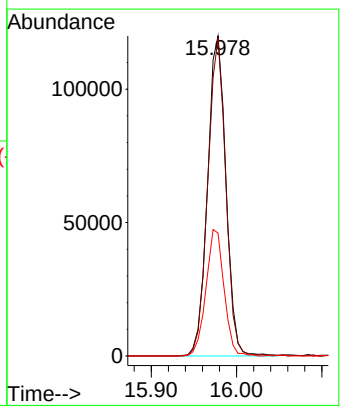
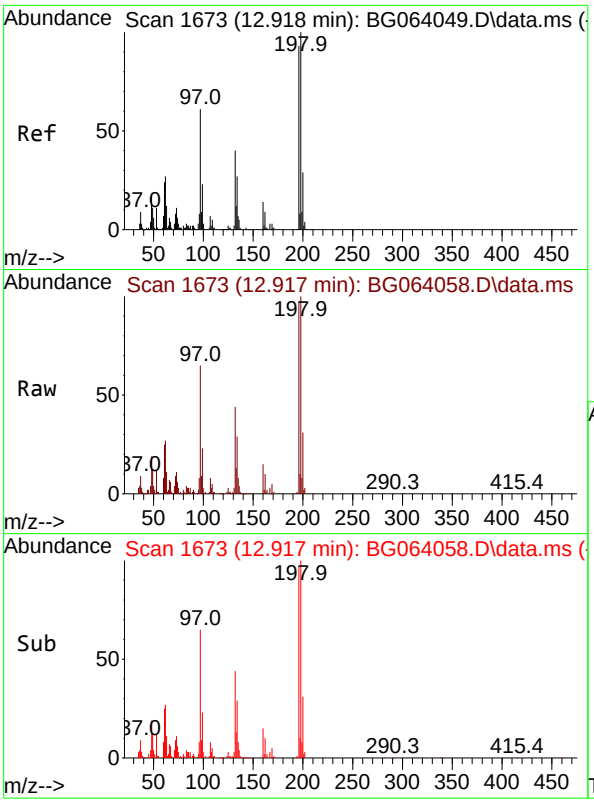


#42
2,4,6-Tribromophenol
Concen: 140.353 ng
RT: 15.978 min Scan# 2194
Delta R.T. 0.005 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:330 Resp: 179892

Ion	Ratio	Lower	Upper
330	100		
332	97.3	76.7	115.1
141	38.8	29.7	44.5

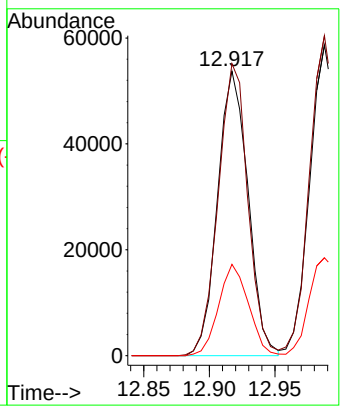




#43
2,4,6-Trichlorophenol
Concen: 44.657 ng
RT: 12.917 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:196 Resp: 8664

Ion	Ratio	Lower	Upper
196	100		
198	102.6	85.6	128.4
200	32.1	24.6	37.0



Instrument :
BNA_G
ClientSampleId :
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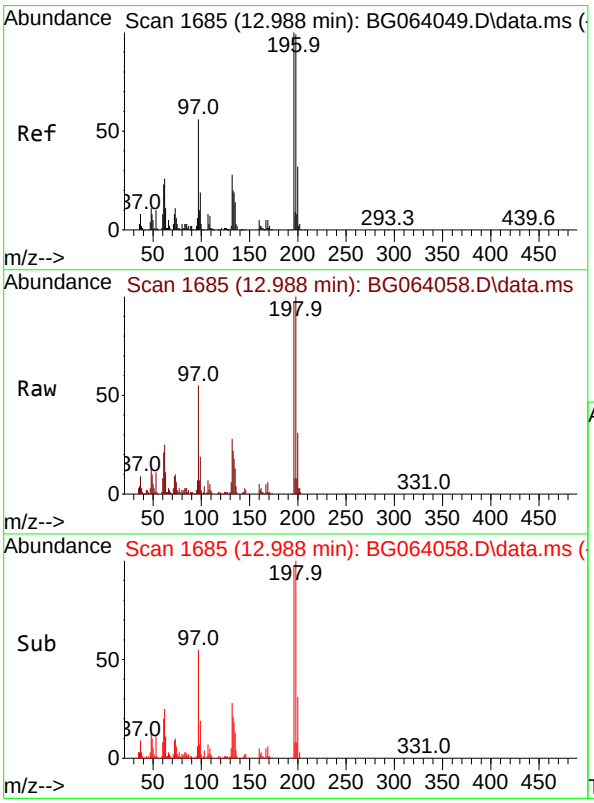
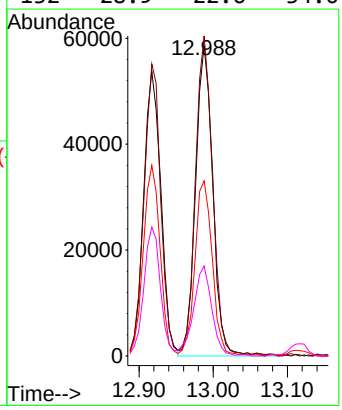
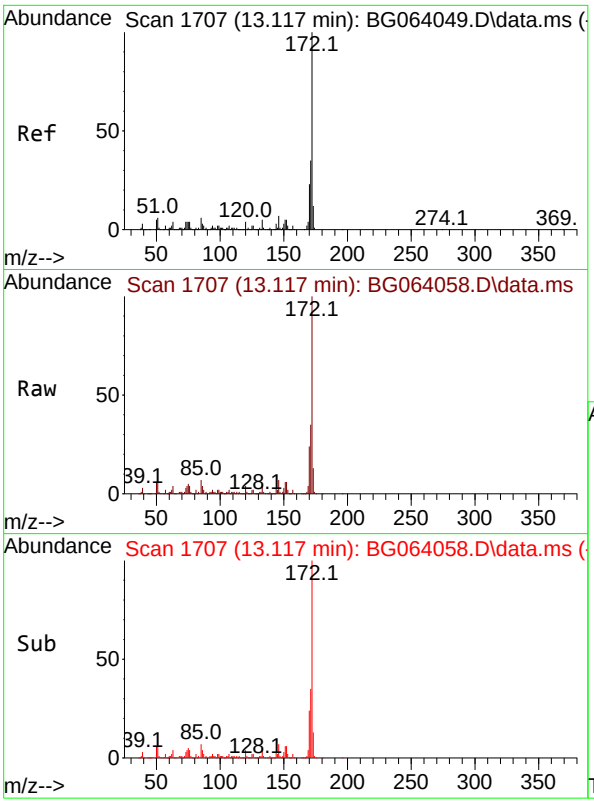


#44
2,4,5-Trichlorophenol
Concen: 44.152 ng
RT: 12.988 min Scan# 1685
Delta R.T. -0.000 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:196 Resp: 95182

Ion	Ratio	Lower	Upper
196	100		
198	103.0	79.5	119.3
97	56.3	45.2	67.8
132	28.9	22.6	34.0

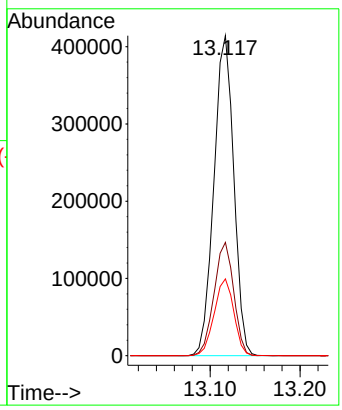




#45
2-Fluorobiphenyl
Concen: 83.585 ng
RT: 13.117 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:172 Resp: 63495

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.0	42.0
170	24.0	18.7	28.1



Instrument :
BNA_G
ClientSampleId :
PB167031BS

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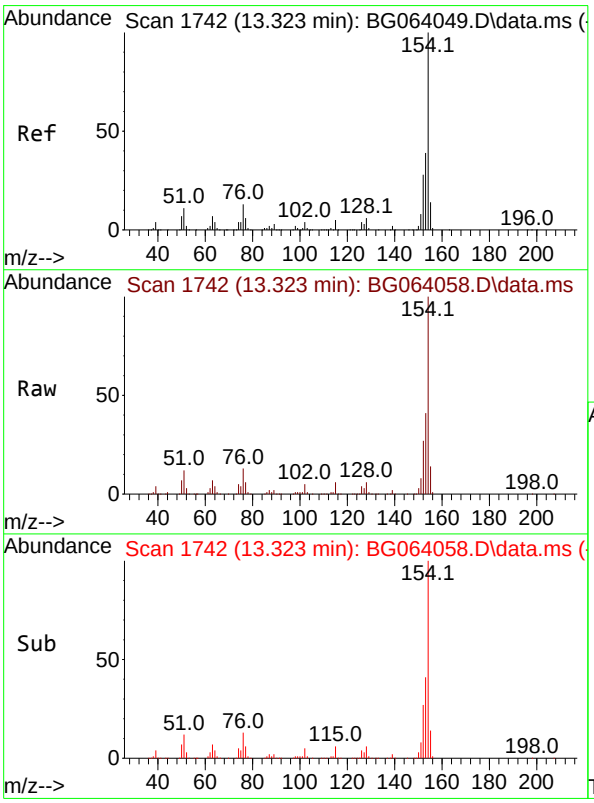
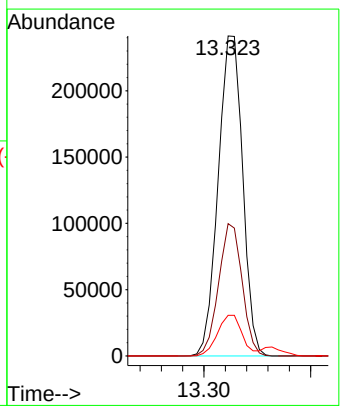
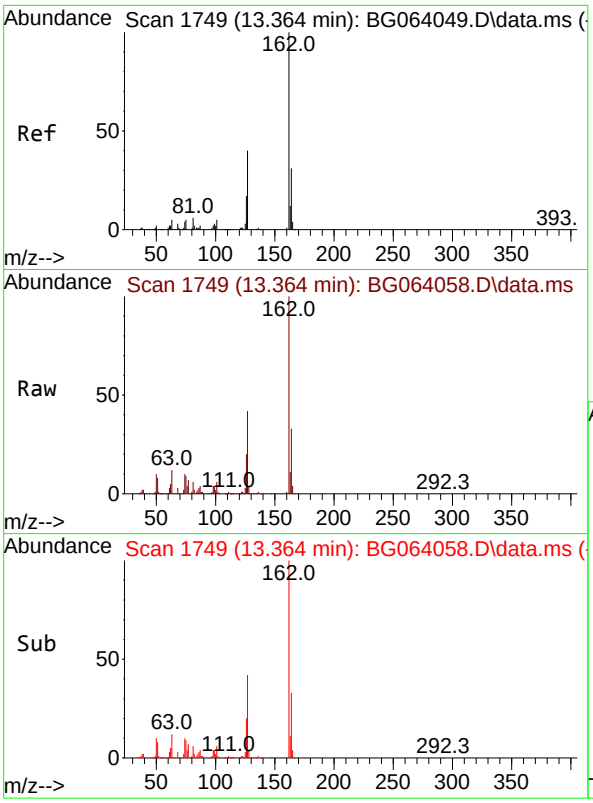


#46
1,1'-Biphenyl
Concen: 44.075 ng
RT: 13.323 min Scan# 1742
Delta R.T. -0.000 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:154 Resp: 383958

Ion	Ratio	Lower	Upper
154	100		
153	41.3	19.5	59.5
76	12.7	0.0	33.5

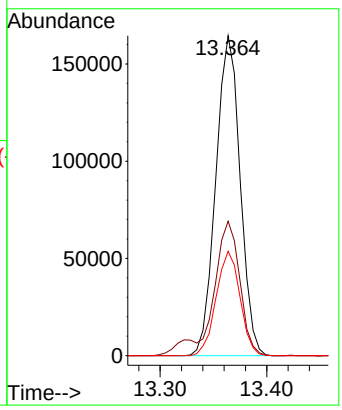




#47
2-Chloronaphthalene
Concen: 40.971 ng
RT: 13.364 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:162 Resp: 26031

Ion	Ratio	Lower	Upper
162	100		
127	42.0	35.0	52.4
164	32.6	25.0	37.6



Instrument :
BNA_G
ClientSampleId :
PB167031BS

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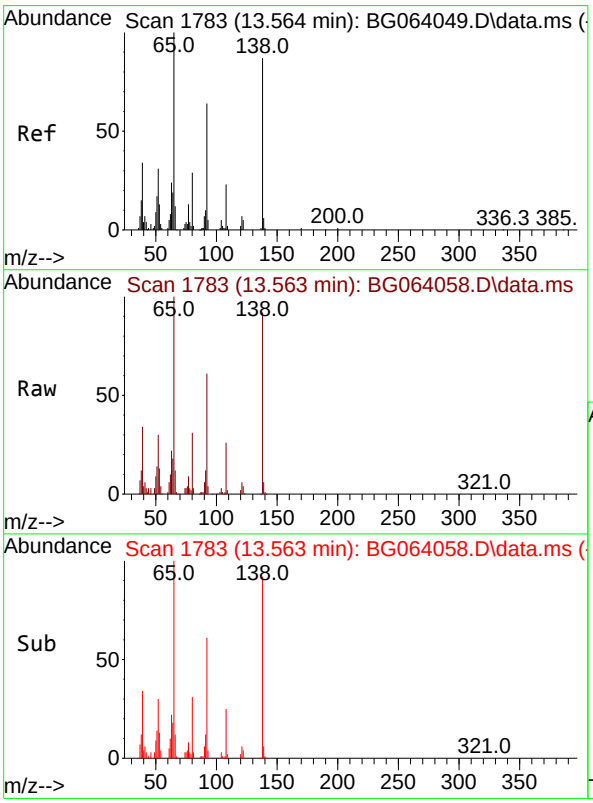
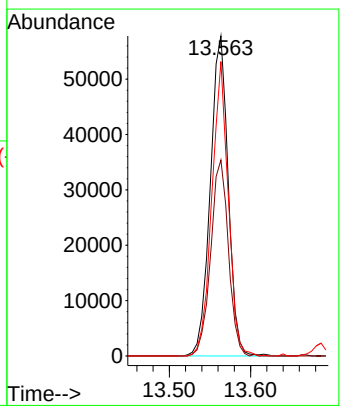
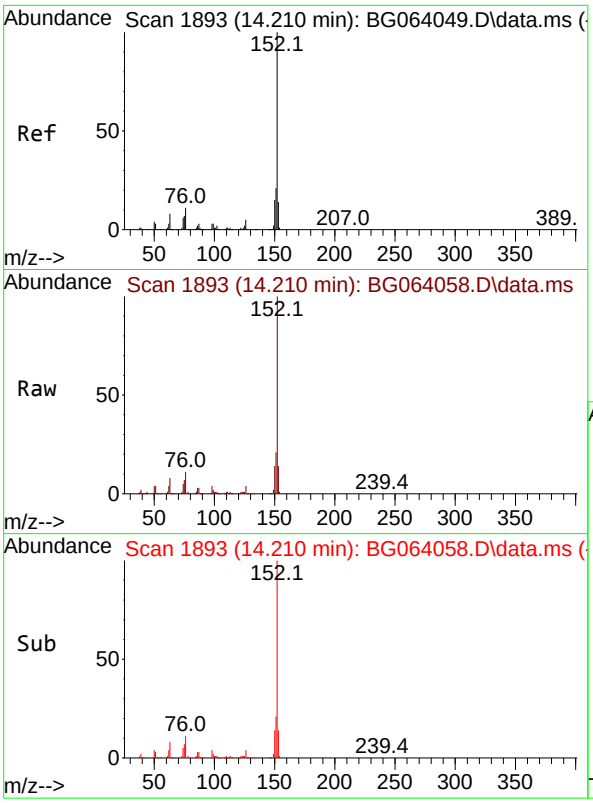


#48
2-Nitroaniline
Concen: 42.853 ng
RT: 13.563 min Scan# 1783
Delta R.T. -0.001 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion: 65 Resp: 88261

Ion	Ratio	Lower	Upper
65	100		
92	61.3	51.2	76.8
138	92.0	69.4	104.2

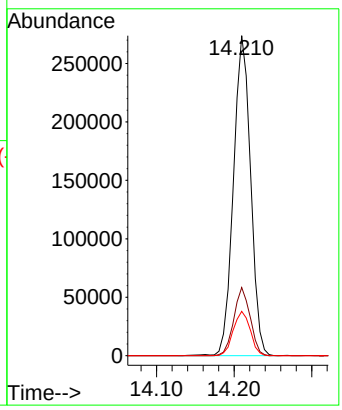




#49
Acenaphthylene
Concen: 41.958 ng
RT: 14.210 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:152 Resp: 42166

Ion	Ratio	Lower	Upper
152	100		
151	21.3	16.4	24.6
153	13.9	10.9	16.3



Instrument :
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ClientSampleId :
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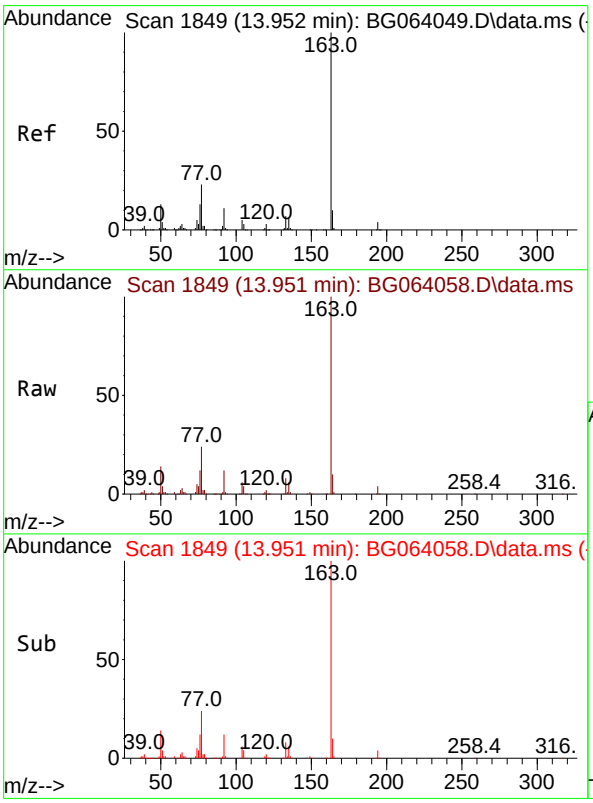
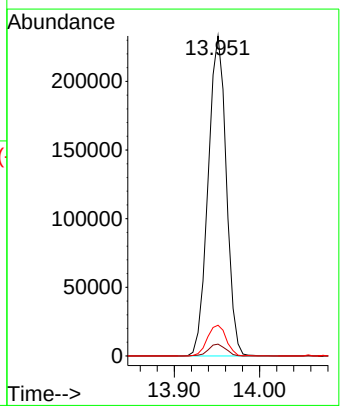
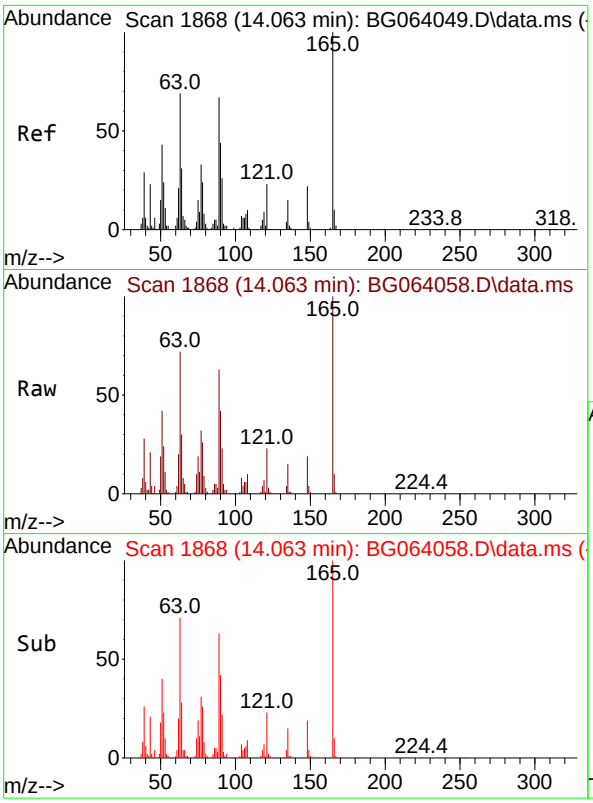


#50
Dimethylphthalate
Concen: 40.599 ng
RT: 13.951 min Scan# 1849
Delta R.T. -0.001 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:163 Resp: 345559

Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.8	4.2
164	9.6	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 40.946 ng
RT: 14.063 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:165 Resp: 6978

Ion	Ratio	Lower	Upper
165	100		
63	72.1	56.7	85.1
89	62.9	53.7	80.5

Instrument :
BNA_G
ClientSampleId :
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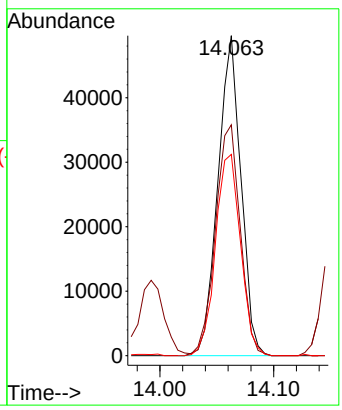
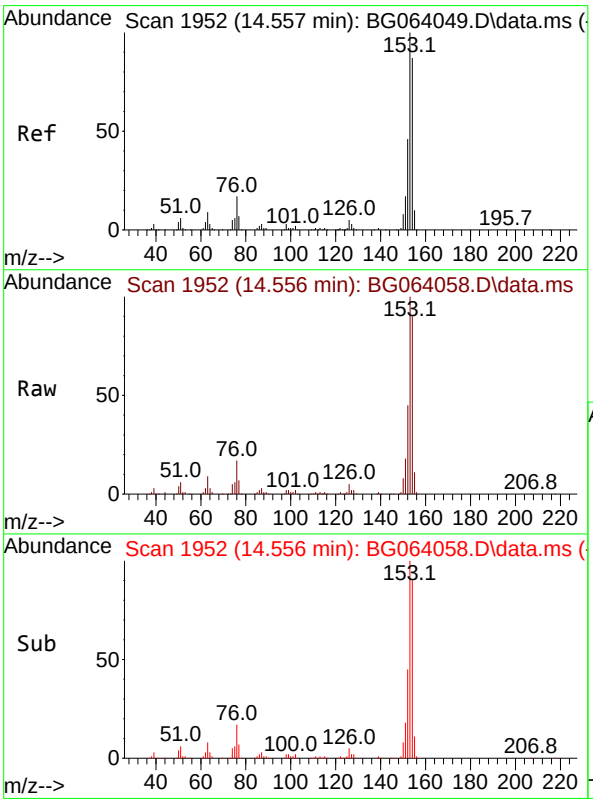
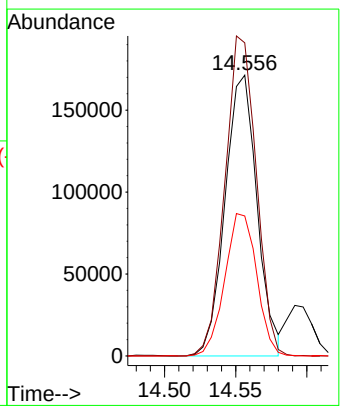


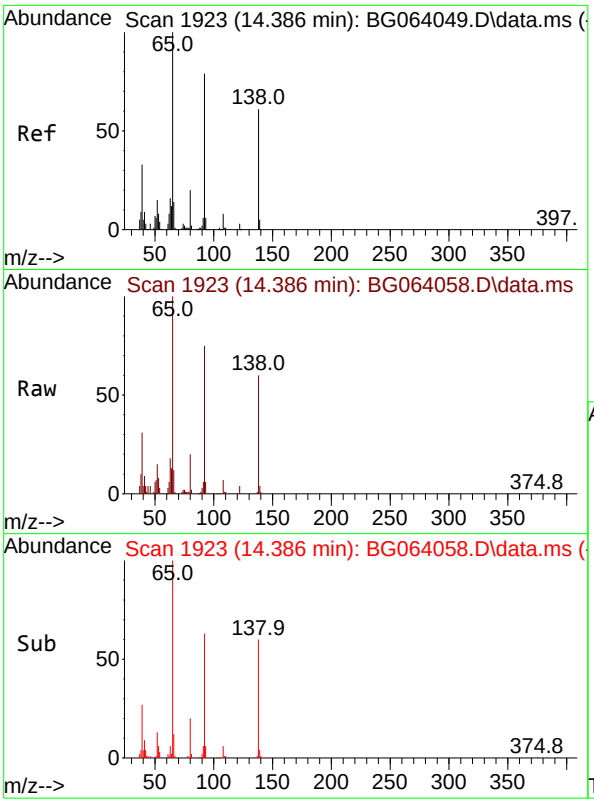


#52
Acenaphthene
Concen: 39.839 ng
RT: 14.556 min Scan# 1952
Delta R.T. -0.000 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:154 Resp: 268690

Ion	Ratio	Lower	Upper
154	100		
153	111.5	91.6	137.4
152	49.8	42.5	63.7

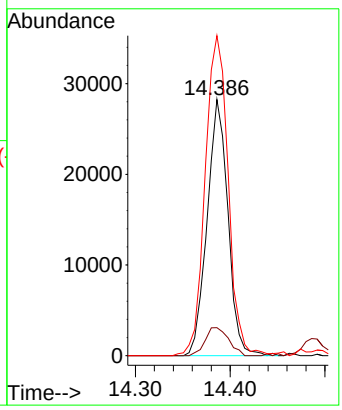




#53
3-Nitroaniline
Concen: 26.207 ng
RT: 14.386 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:138 Resp: 4311

Ion	Ratio	Lower	Upper
138	100		
108	10.9	10.1	15.1
92	124.9	104.1	156.1



Instrument :
BNA_G
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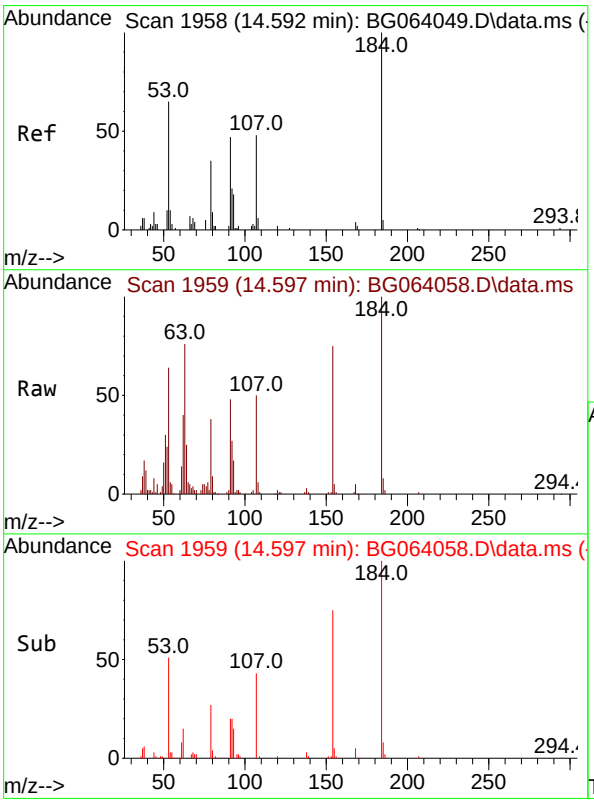
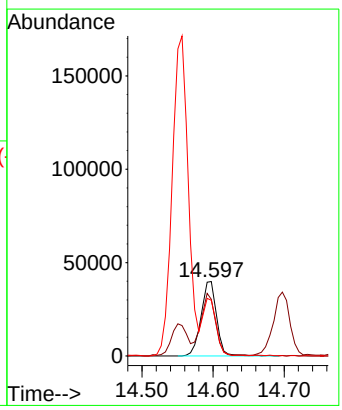
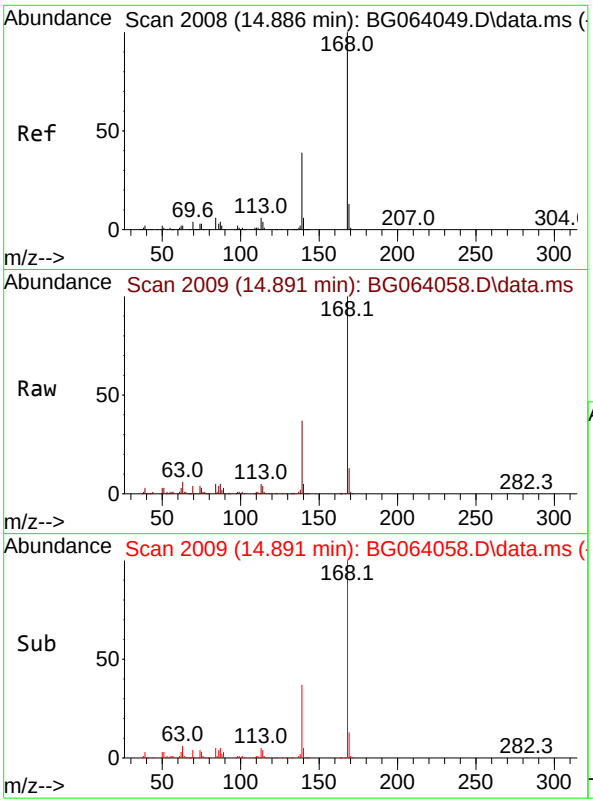


#54
2,4-Dinitrophenol
Concen: 83.859 ng
RT: 14.597 min Scan# 1959
Delta R.T. 0.005 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:184 Resp: 60678

Ion	Ratio	Lower	Upper
184	100		
63	76.2	57.5	86.3
154	74.9	52.3	78.5

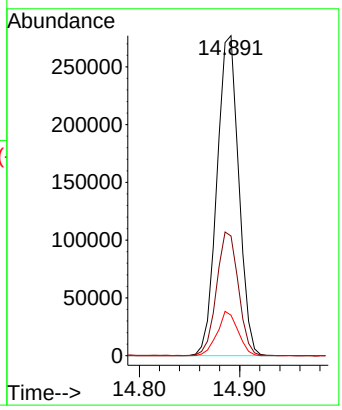




#55
Dibenzofuran
Concen: 38.165 ng
RT: 14.891 min Scan# 2
Delta R.T. 0.005 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:168 Resp: 41697

Ion	Ratio	Lower	Upper
168	100		
139	37.4	31.1	46.7
169	12.7	10.5	15.7



Instrument :
BNA_G
ClientSampleId :
PB167031BS

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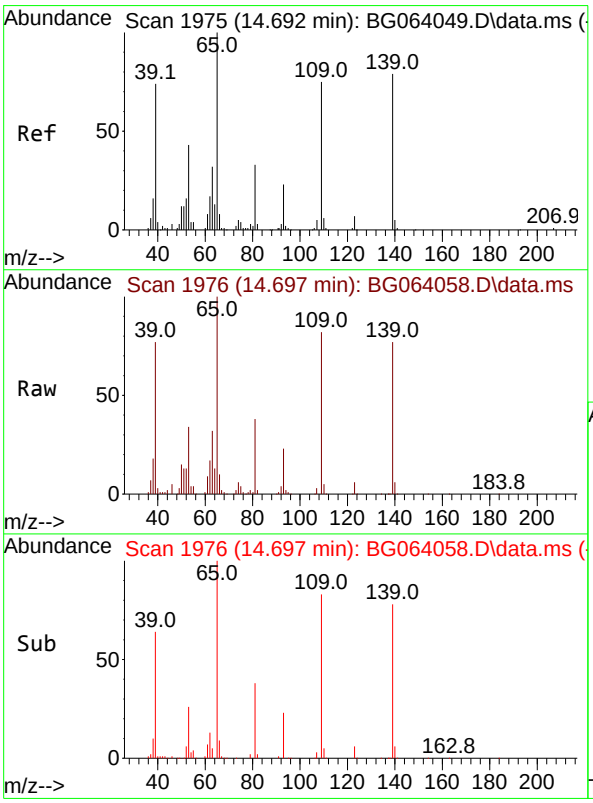
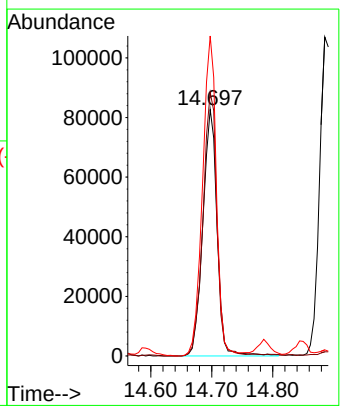
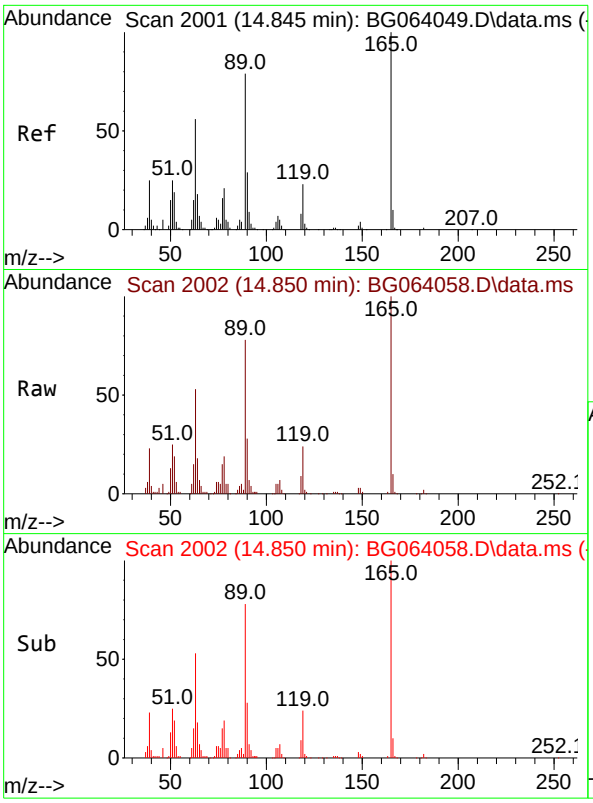


#56
4-Nitrophenol
Concen: 97.528 ng
RT: 14.697 min Scan# 1976
Delta R.T. 0.005 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:139 Resp: 134556

Ion	Ratio	Lower	Upper
139	100		
109	106.9	74.9	114.9
65	129.8	106.8	146.8

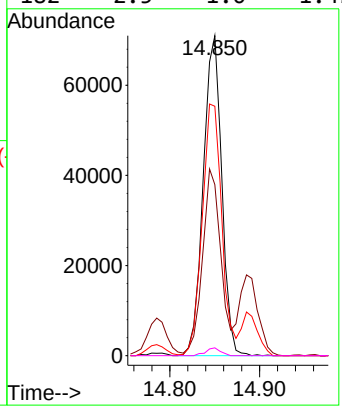




#57
2,4-Dinitrotoluene
Concen: 42.989 ng
RT: 14.850 min Scan# 2
Delta R.T. 0.005 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:165 Resp: 10144

Ion	Ratio	Lower	Upper
165	100		
63	53.4	45.0	67.6
89	78.0	63.1	94.7
182	2.5	1.0	1.4#



Instrument :
BNA_G
ClientSampleId :
PB167031BS

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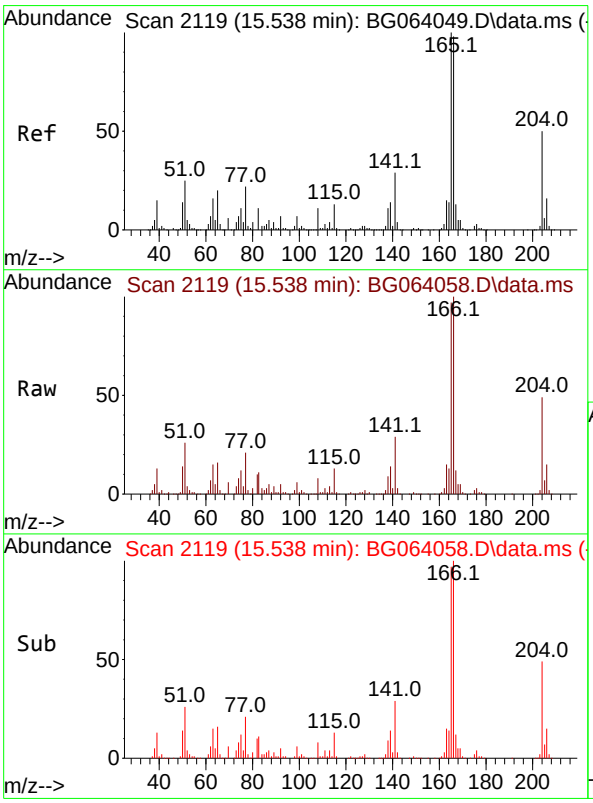
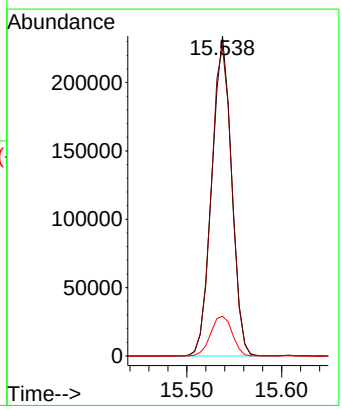
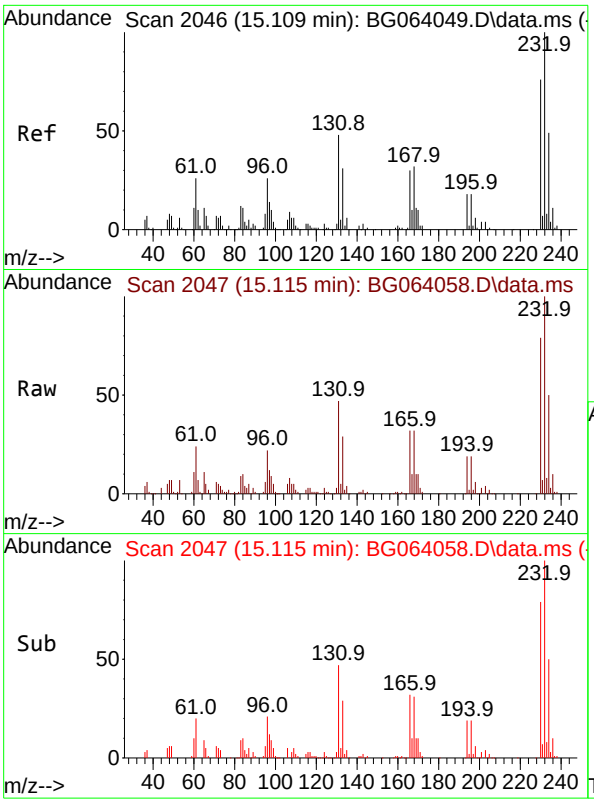


#58
Fluorene
Concen: 39.782 ng
RT: 15.538 min Scan# 2119
Delta R.T. -0.000 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:166 Resp: 338529

Ion	Ratio	Lower	Upper
166	100		
165	96.6	81.8	122.8
167	12.4	10.8	16.2

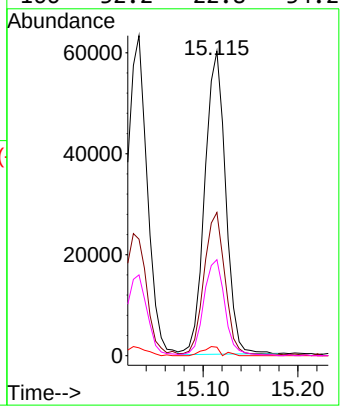




#59
2,3,4,6-Tetrachlorophenol
Concen: 43.492 ng
RT: 15.115 min Scan# 2
Delta R.T. 0.005 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:232 Resp: 9140

Ion	Ratio	Lower	Upper
232	100		
131	47.4	36.3	54.5
130	2.7	1.9	2.9
166	32.2	22.8	34.2



Instrument :
BNA_G
ClientSampleId :
PB167031BS

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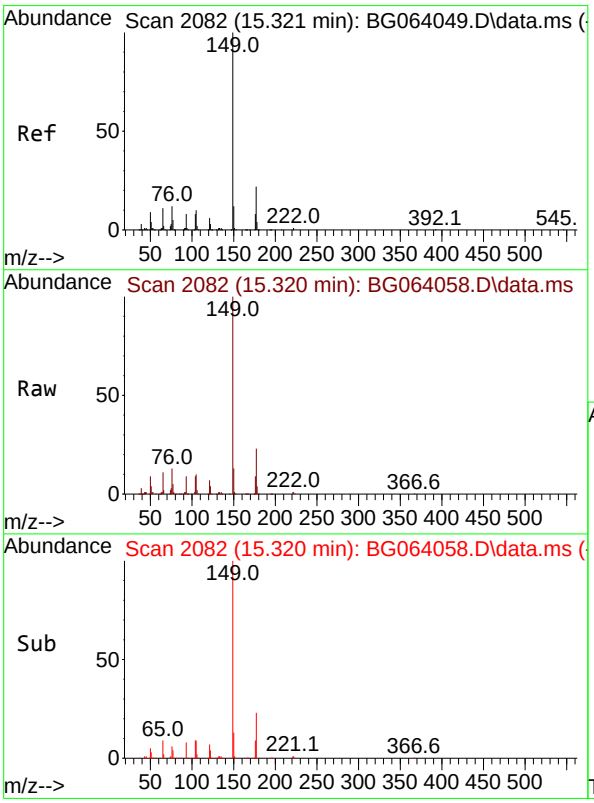
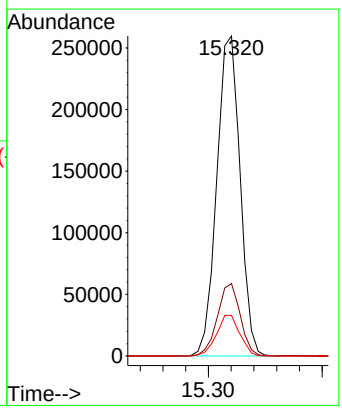
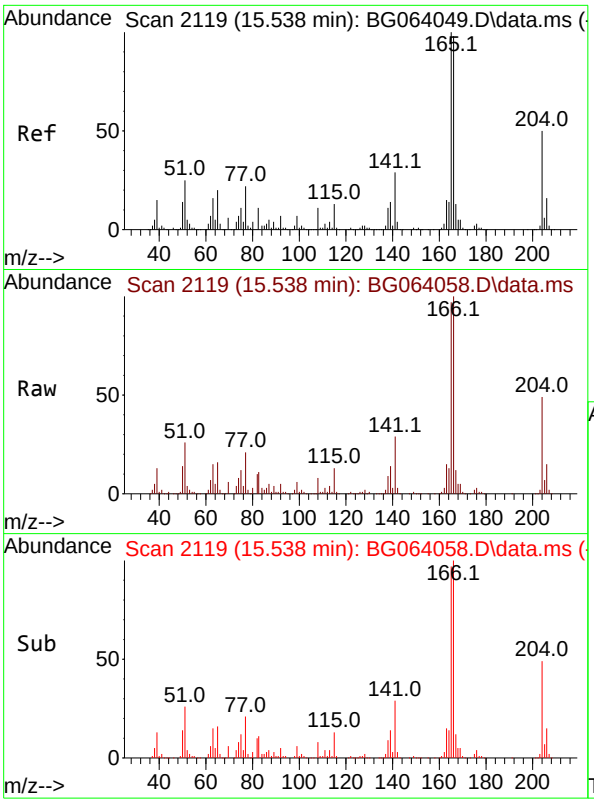


#60
Diethylphthalate
Concen: 39.992 ng
RT: 15.320 min Scan# 2082
Delta R.T. -0.000 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:149 Resp: 369537

Ion	Ratio	Lower	Upper
149	100		
177	22.6	17.4	26.2
150	12.7	9.4	14.2

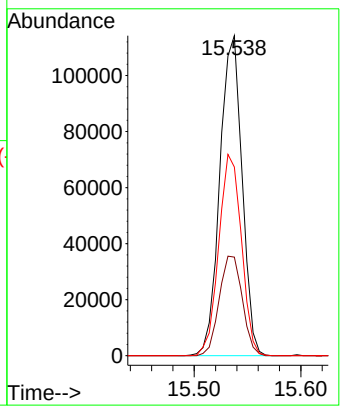




#61
4-Chlorophenyl-phenylether
Concen: 39.095 ng
RT: 15.538 min Scan# 2
Delta R.T. -0.000 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:204 Resp: 16532

Ion	Ratio	Lower	Upper
204	100		
206	30.8	25.5	38.3
141	58.9	45.4	68.0



Instrument :
BNA_G
ClientSampleId :
PB167031BS

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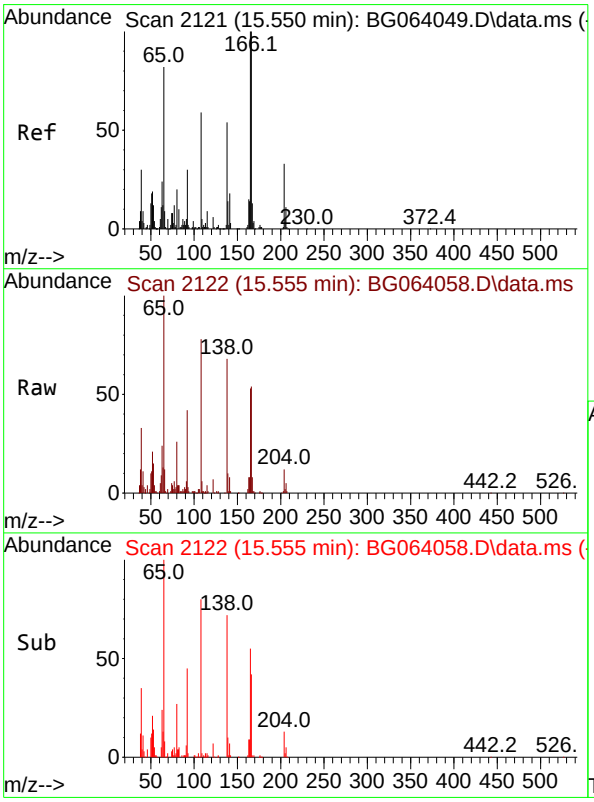
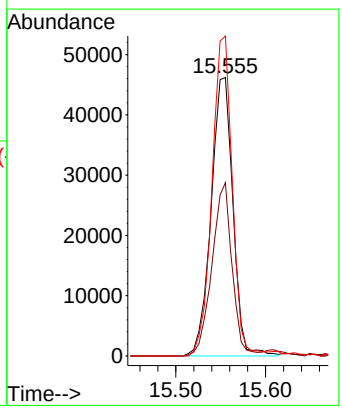
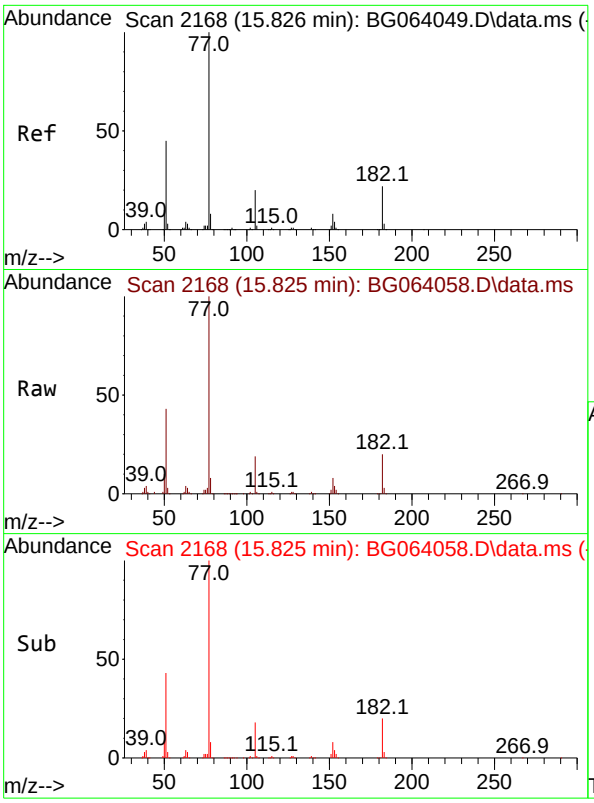


#62
4-Nitroaniline
Concen: 43.863 ng
RT: 15.555 min Scan# 2122
Delta R.T. 0.005 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:138 Resp: 77903

Ion	Ratio	Lower	Upper
138	100		
92	62.2	36.1	76.1
108	114.9	87.9	127.9

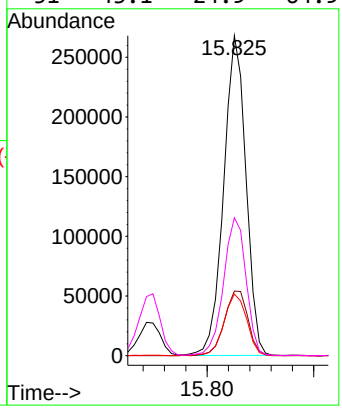




#63
Azobenzene
Concen: 39.420 ng
RT: 15.825 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion: 77 Resp: 38869

Ion	Ratio	Lower	Upper
77	100		
182	20.2	2.4	42.4
105	19.2	0.0	40.0
51	43.1	24.9	64.9



Instrument :
BNA_G
ClientSampleId :
PB167031BS

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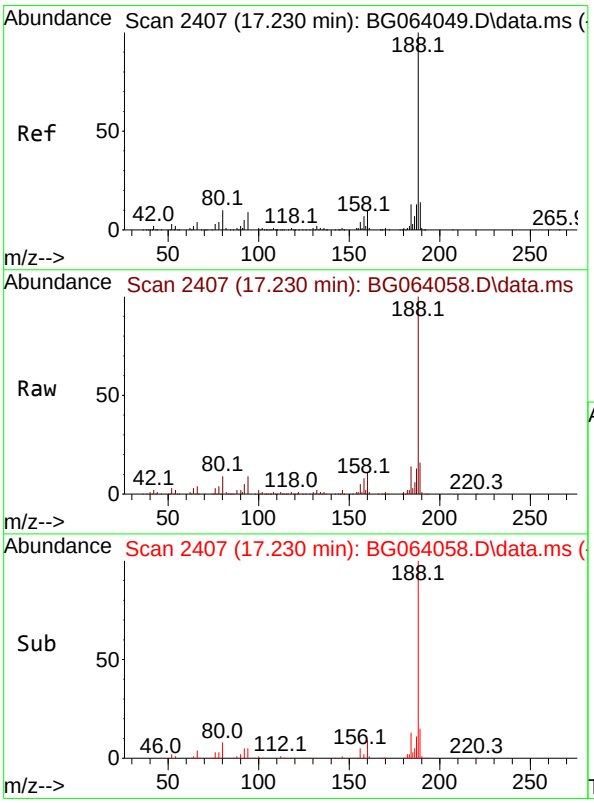
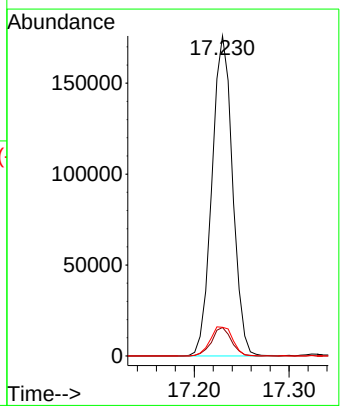
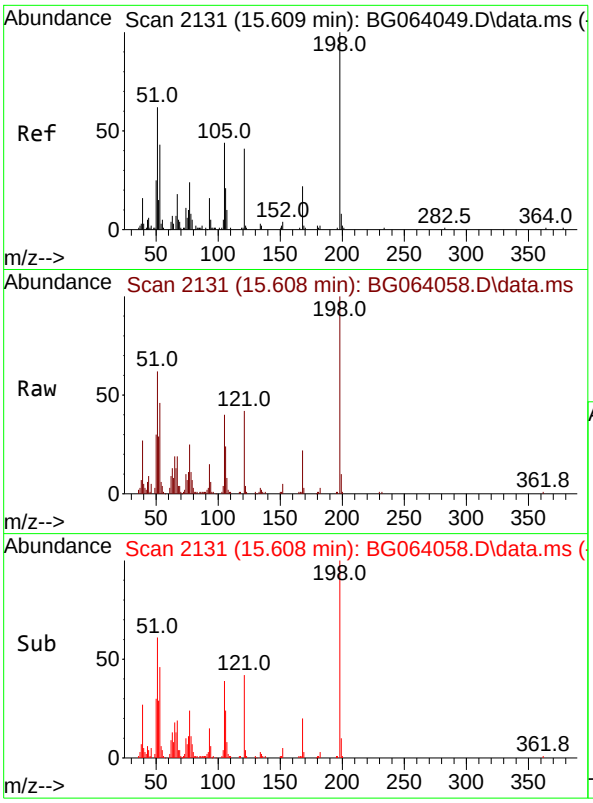


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.230 min Scan# 2407
Delta R.T. -0.000 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:188 Resp: 265788

Ion	Ratio	Lower	Upper
188	100		
94	8.9	6.9	10.3
80	8.9	8.1	12.1





#65
4,6-Dinitro-2-methylphenol
Concen: 41.331 ng
RT: 15.608 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:198 Resp: 4588

Ion	Ratio	Lower	Upper
198	100		
51	62.0	45.6	85.6
105	39.5	25.3	65.3

Instrument :
BNA_G
ClientSampleId :
PB167031BS

Manual Integrations
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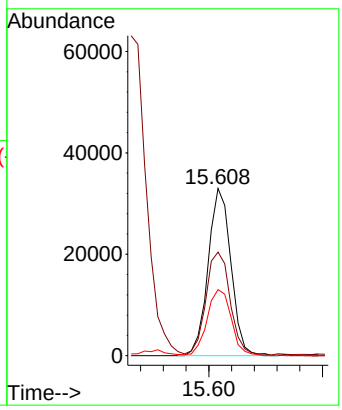
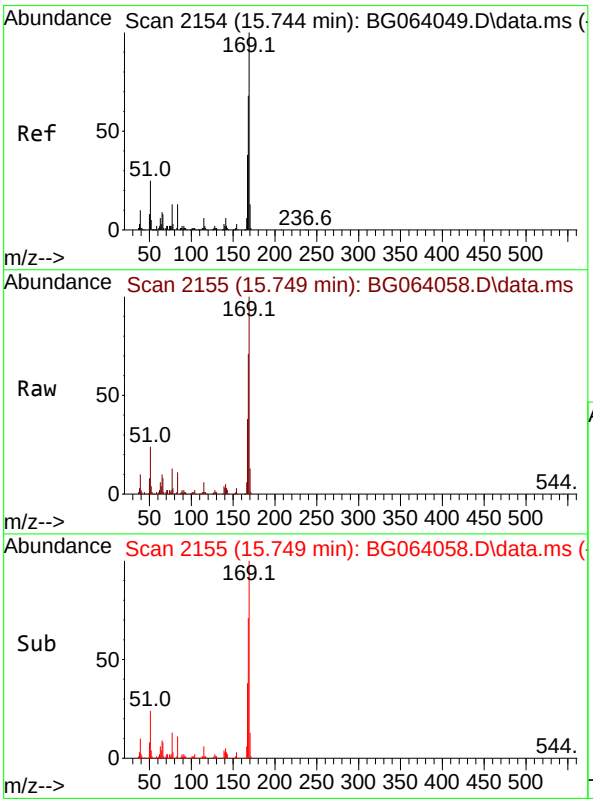
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

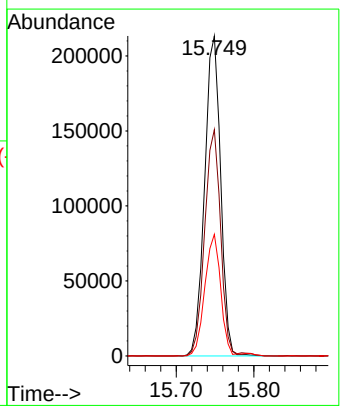


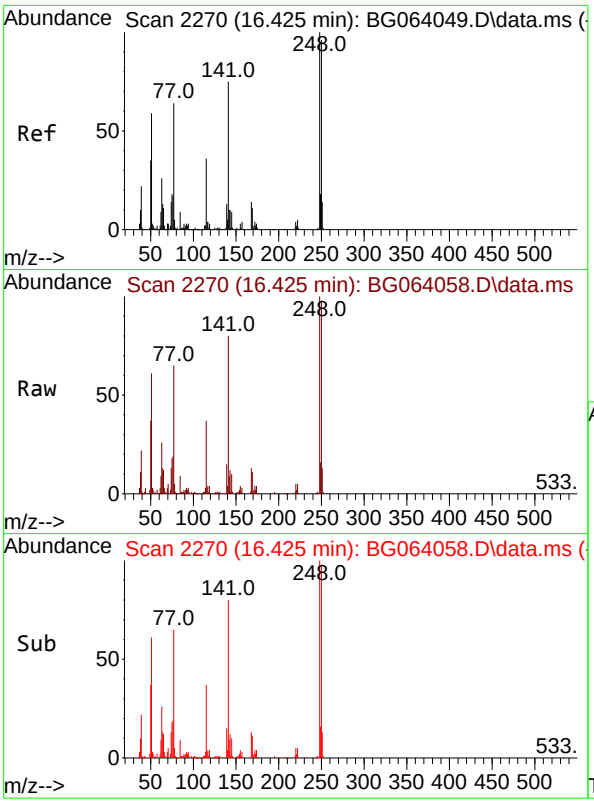


#66
n-Nitrosodiphenylamine
Concen: 40.538 ng
RT: 15.749 min Scan# 2155
Delta R.T. 0.005 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:169 Resp: 304982

Ion	Ratio	Lower	Upper
169	100		
168	70.7	54.1	81.1
167	38.0	30.3	45.5





#67
4-Bromophenyl-phenylether
Concen: 39.962 ng
RT: 16.425 min Scan# 2
Delta R.T. -0.000 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:248 Resp: 10878

Ion	Ratio	Lower	Upper
248	100		
250	98.1	77.1	115.7
141	80.3	59.8	89.8

Instrument :
BNA_G
ClientSampleId :
PB167031BS

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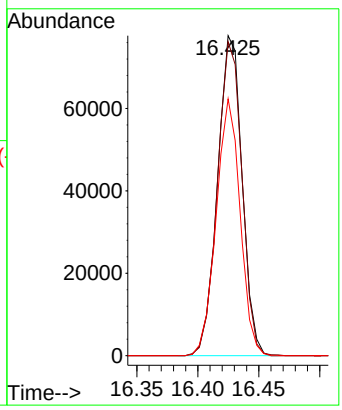
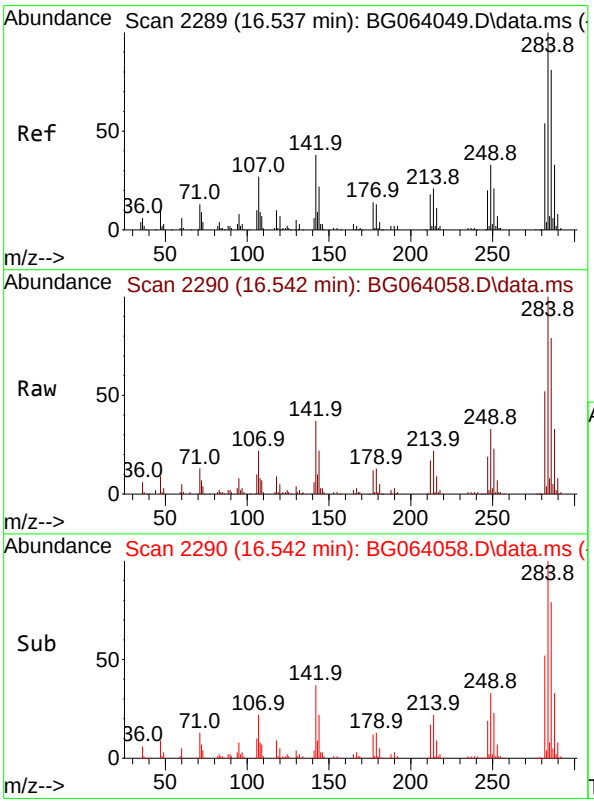
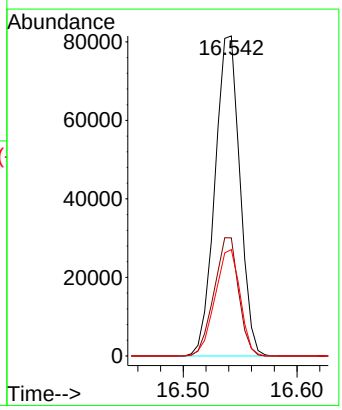


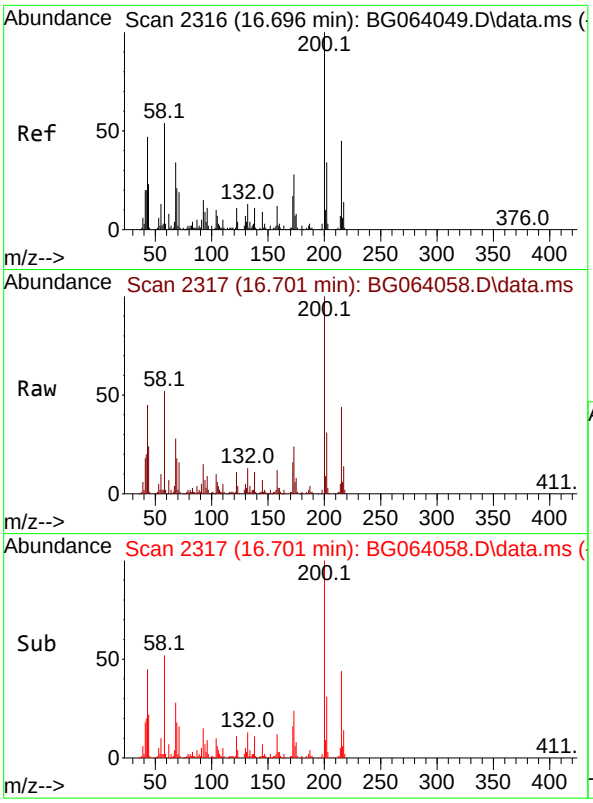


#68
Hexachlorobenzene
Concen: 40.708 ng
RT: 16.542 min Scan# 2290
Delta R.T. 0.005 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:284 Resp: 124061

Ion	Ratio	Lower	Upper
284	100		
142	36.9	30.6	45.8
249	33.3	26.6	39.8

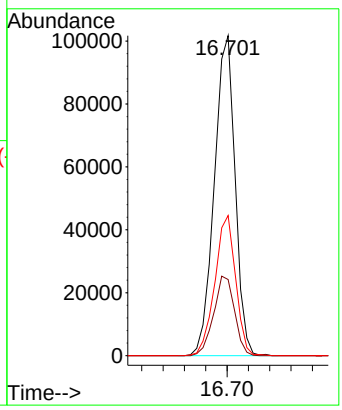




#69
Atrazine
Concen: 62.032 ng
RT: 16.701 min Scan# 2
Delta R.T. 0.005 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:200 Resp: 13731

Ion	Ratio	Lower	Upper
200	100		
173	23.8	8.2	48.2
215	43.8	25.5	65.5



Instrument :
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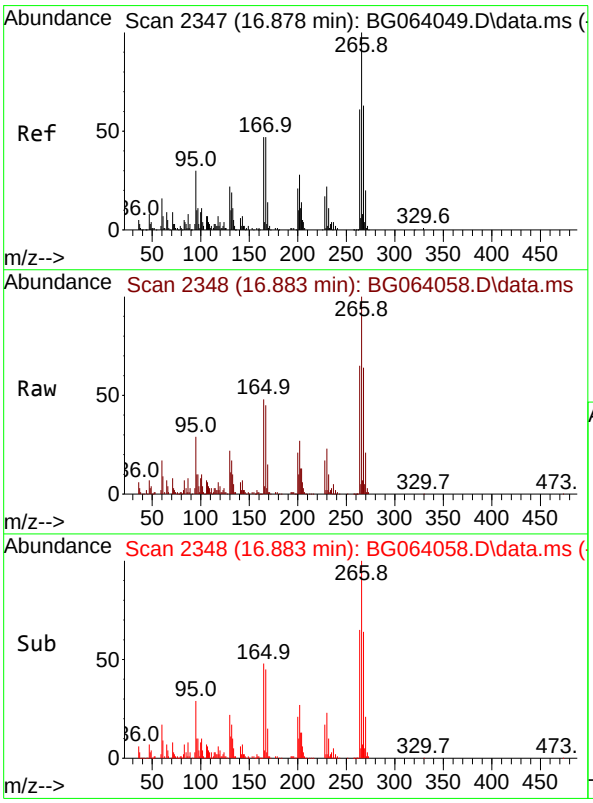
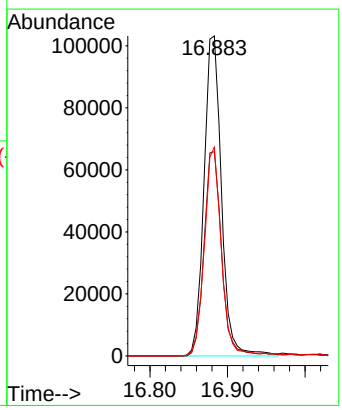
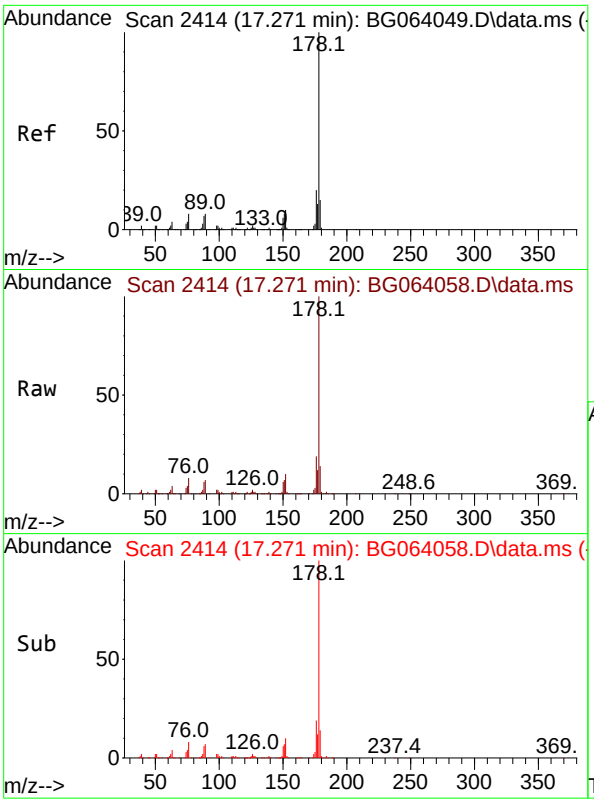


#70
Pentachlorophenol
Concen: 85.314 ng
RT: 16.883 min Scan# 2348
Delta R.T. 0.005 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:266 Resp: 161432

Ion	Ratio	Lower	Upper
266	100		
268	63.8	50.2	75.4
264	65.2	48.9	73.3

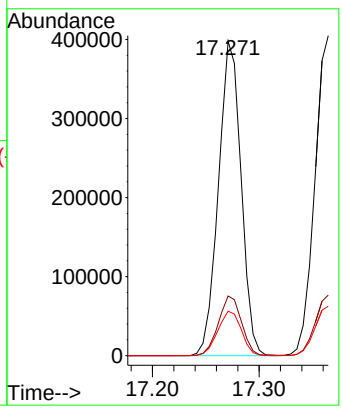




#71
Phenanthrene
Concen: 41.367 ng
RT: 17.271 min Scan# 24
Delta R.T. -0.000 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:178 Resp: 58644

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.9	23.9
179	14.2	12.2	18.2



Instrument :
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PB167031BS

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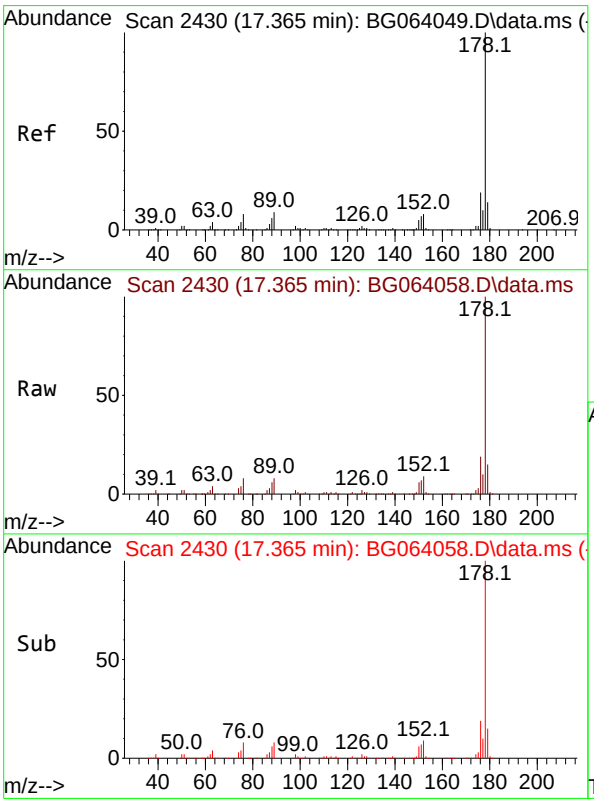
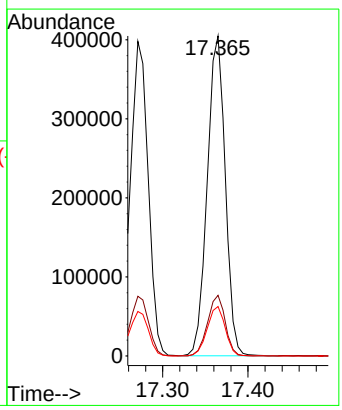
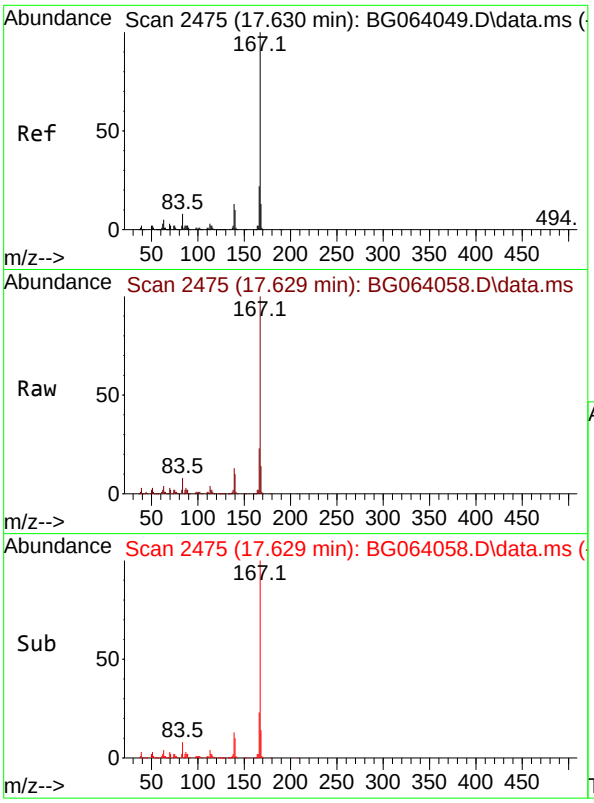


#72
Anthracene
Concen: 42.231 ng
RT: 17.365 min Scan# 2430
Delta R.T. -0.000 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:178 Resp: 595310

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.8	22.2
179	15.5	11.5	17.3

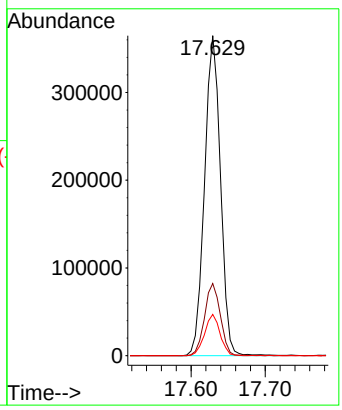




#73
Carbazole
Concen: 41.324 ng
RT: 17.629 min Scan# 24
Delta R.T. -0.000 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:167 Resp: 54387

Ion	Ratio	Lower	Upper
167	100		
166	22.5	18.0	27.0
139	12.9	10.6	15.8



Instrument :
BNA_G
ClientSampleId :
PB167031BS

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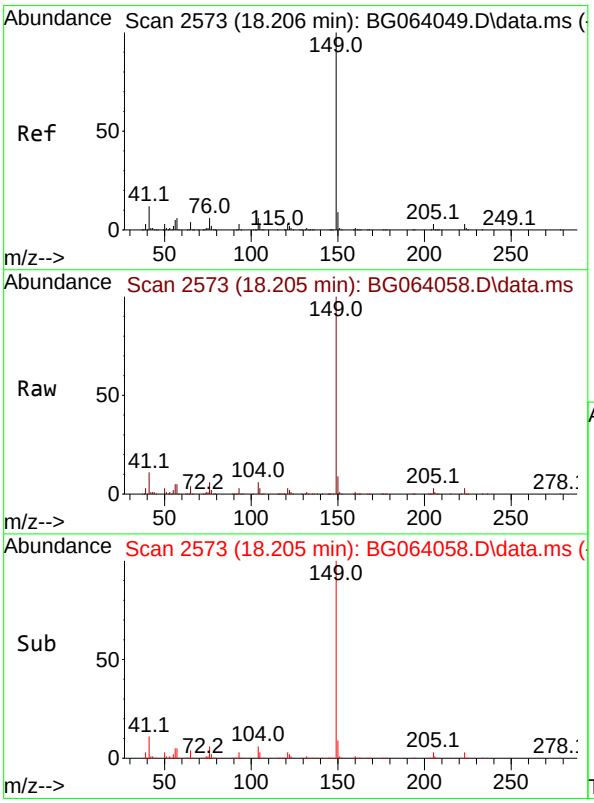
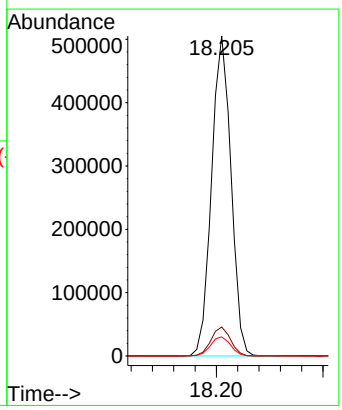
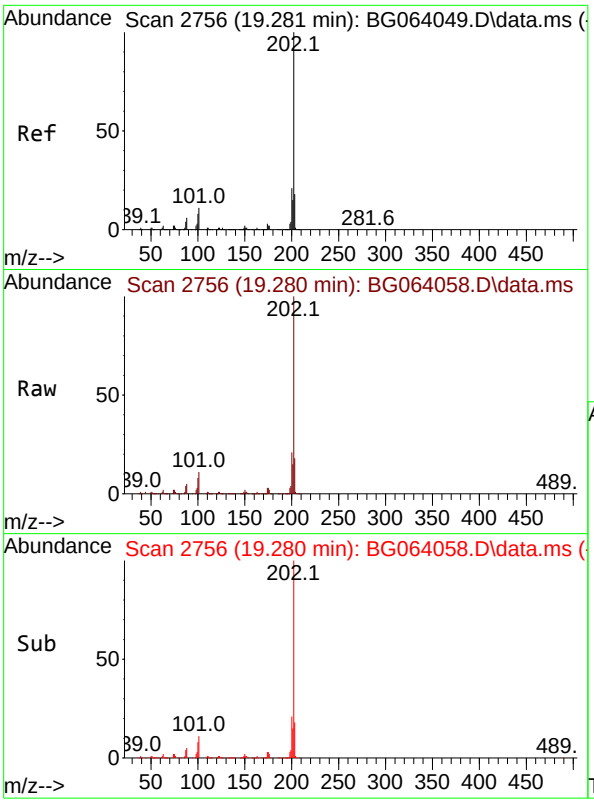


#74
Di-n-butylphthalate
Concen: 41.202 ng
RT: 18.205 min Scan# 2573
Delta R.T. -0.000 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:149 Resp: 638316

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.0
104	6.0	5.0	7.6

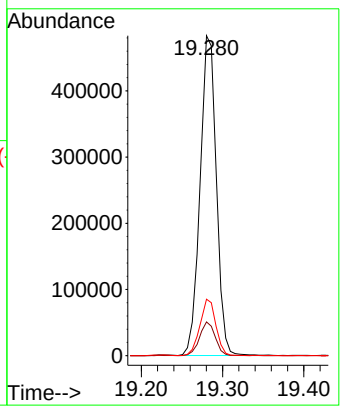




#75
Fluoranthene
Concen: 39.371 ng
RT: 19.280 min Scan# 2
Delta R.T. -0.000 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:202 Resp: 67289

Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	30.5
203	17.6	0.0	38.3



Instrument :
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ClientSampleId :
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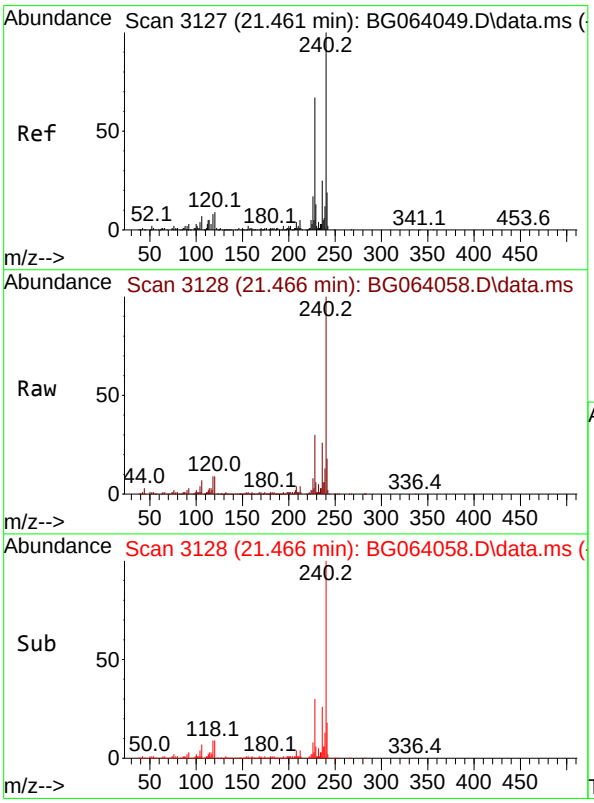
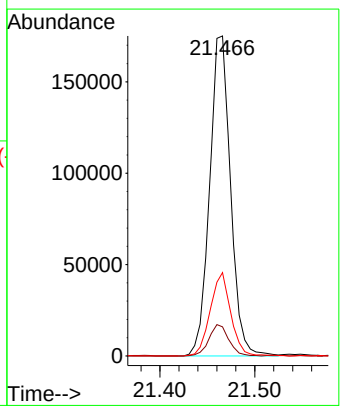
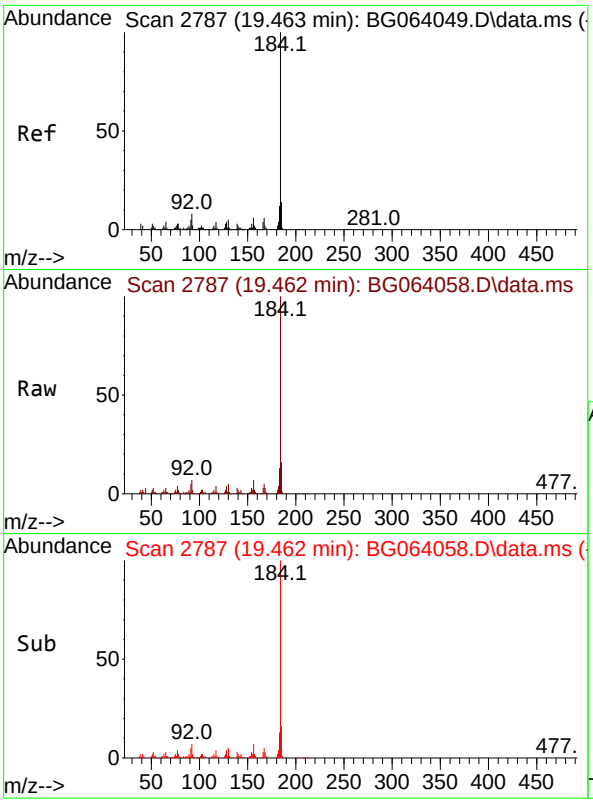


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.466 min Scan# 3128
Delta R.T. 0.005 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:240 Resp: 268408

Ion	Ratio	Lower	Upper
240	100		
120	9.1	7.2	10.8
236	26.0	20.2	30.2

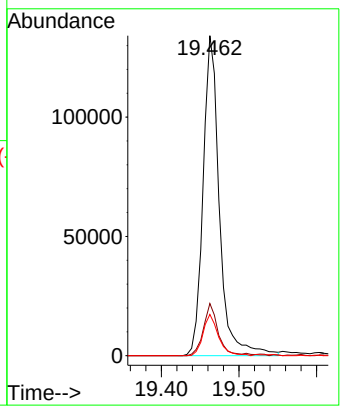




#77
Benzidine
Concen: 52.965 ng
RT: 19.462 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:184 Resp: 19685

Ion	Ratio	Lower	Upper
184	100		
185	16.3	11.3	16.9
183	12.9	9.5	14.3



Instrument :
BNA_G
ClientSampleId :
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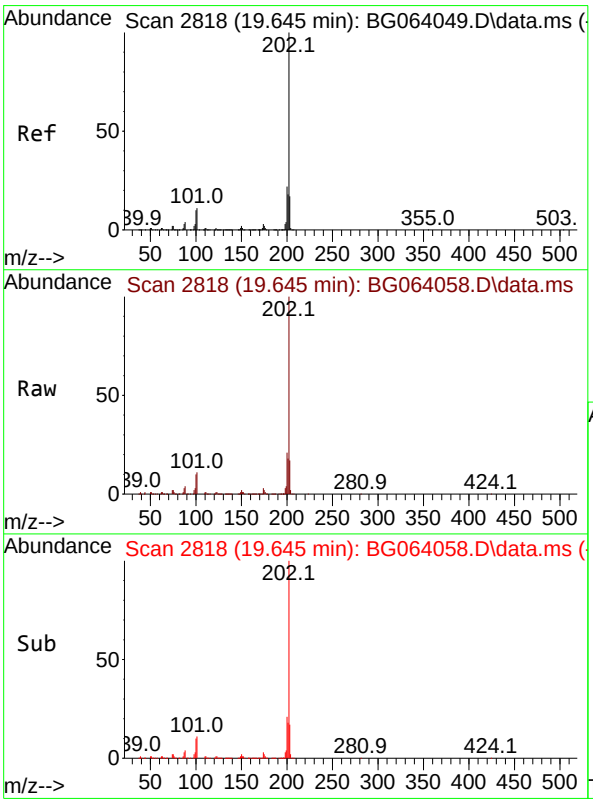
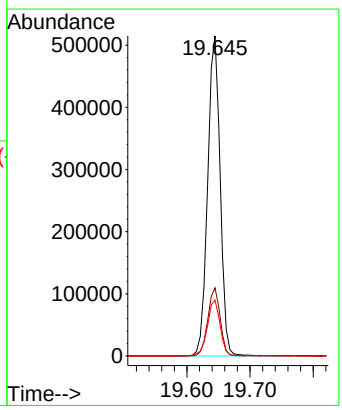
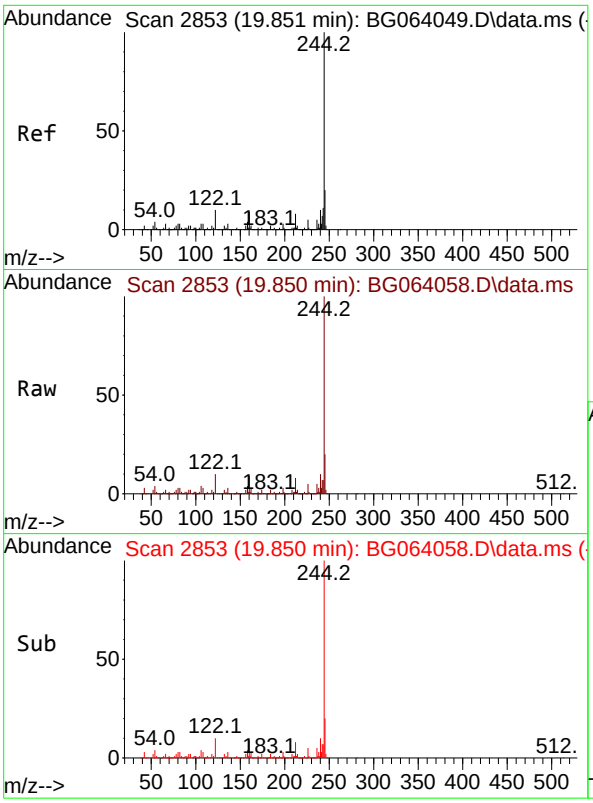


#78
Pyrene
Concen: 40.975 ng
RT: 19.645 min Scan# 2818
Delta R.T. -0.000 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:202 Resp: 708955

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.3	25.9
203	17.5	13.6	20.4

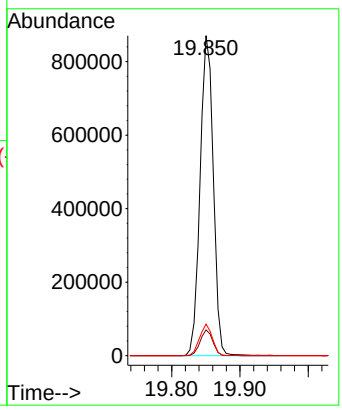




#79
Terphenyl-d14
Concen: 88.297 ng
RT: 19.850 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:244 Resp: 117208

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.2	9.4
122	9.9	8.0	12.0



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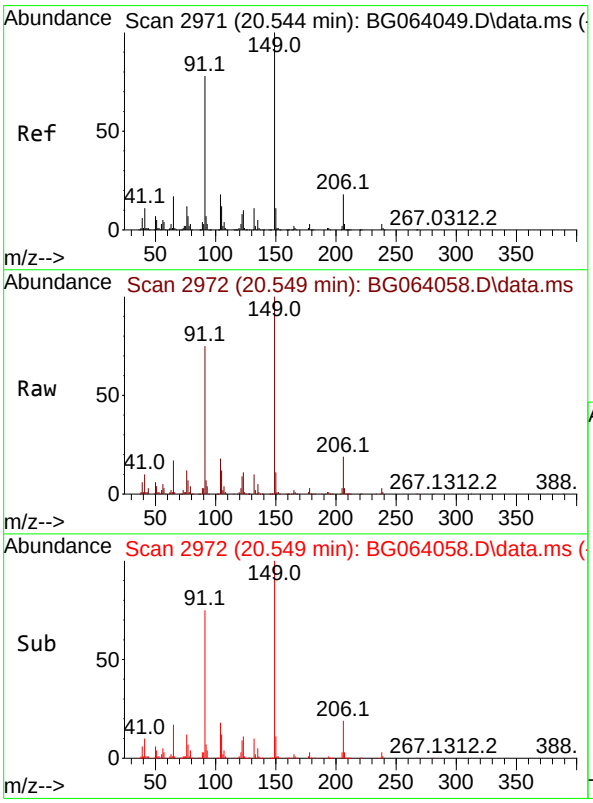
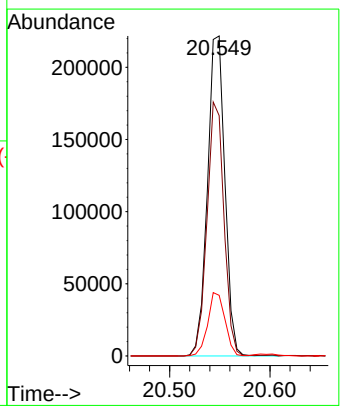
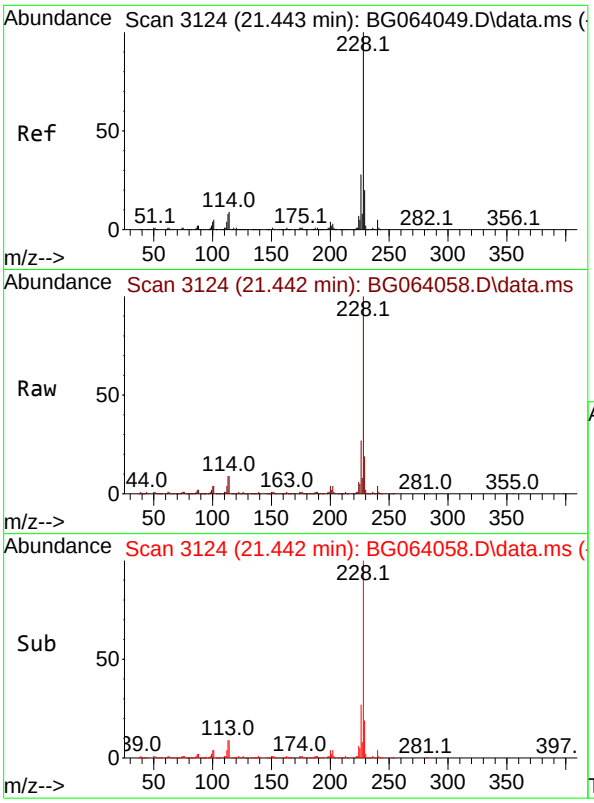


#80
Butylbenzylphthalate
Concen: 41.635 ng
RT: 20.549 min Scan# 2972
Delta R.T. 0.005 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:149 Resp: 266926

Ion	Ratio	Lower	Upper
149	100		
91	75.1	62.0	93.0
206	19.0	14.6	21.8

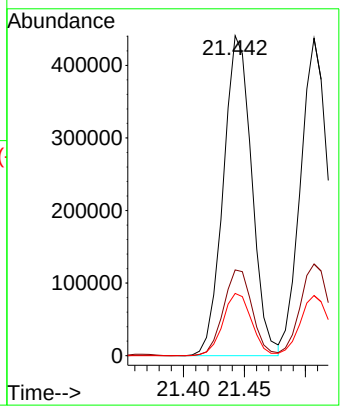




#81
Benzo(a)anthracene
Concen: 41.670 ng
RT: 21.442 min Scan# 3
Delta R.T. -0.001 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:228 Resp: 71644

Ion	Ratio	Lower	Upper
228	100		
226	26.8	22.2	33.2
229	19.5	16.4	24.6



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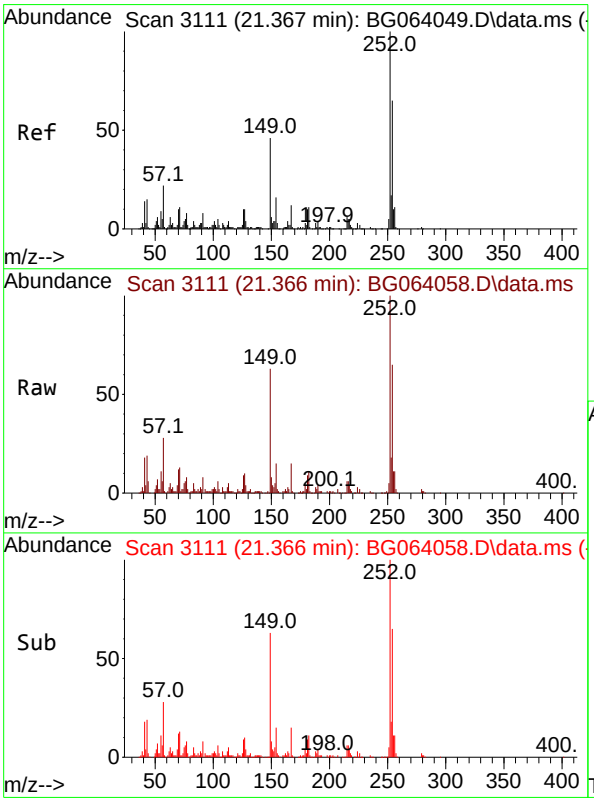
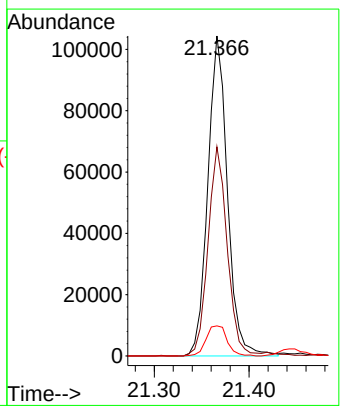
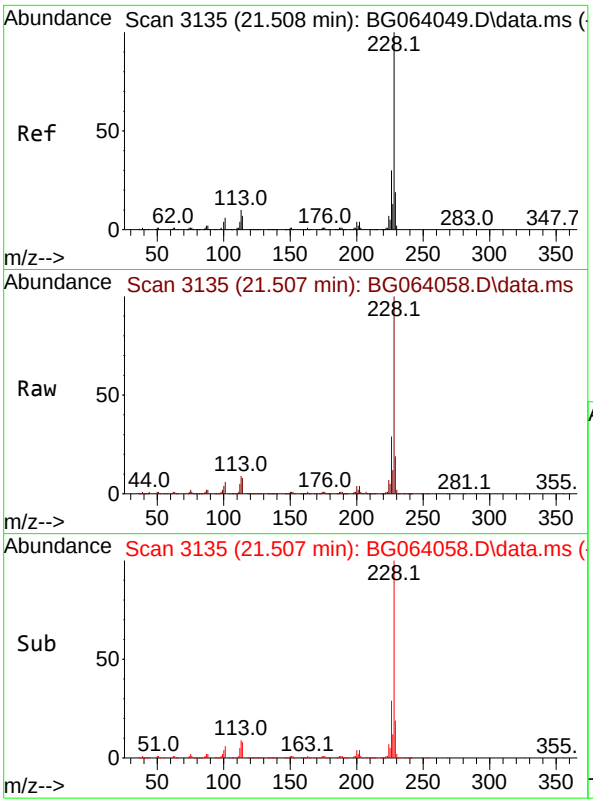


#82
3,3'-Dichlorobenzidine
Concen: 27.000 ng
RT: 21.366 min Scan# 3111
Delta R.T. -0.000 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:252 Resp: 150240

Ion	Ratio	Lower	Upper
252	100		
254	65.3	52.1	78.1
126	9.4	7.8	11.8

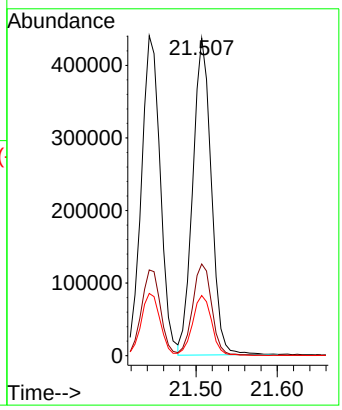




#83
Chrysene
Concen: 40.336 ng
RT: 21.507 min Scan# 3
Delta R.T. -0.001 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:228 Resp: 691699

Ion	Ratio	Lower	Upper
228	100		
226	28.9	23.9	35.9
229	18.9	15.3	22.9



Instrument :
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ClientSampleId :
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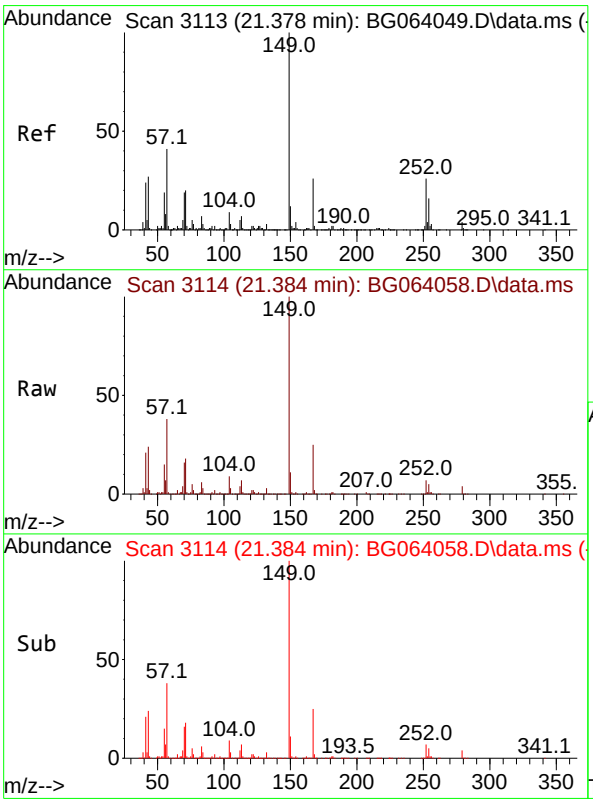
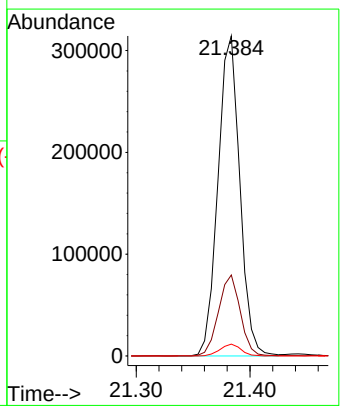
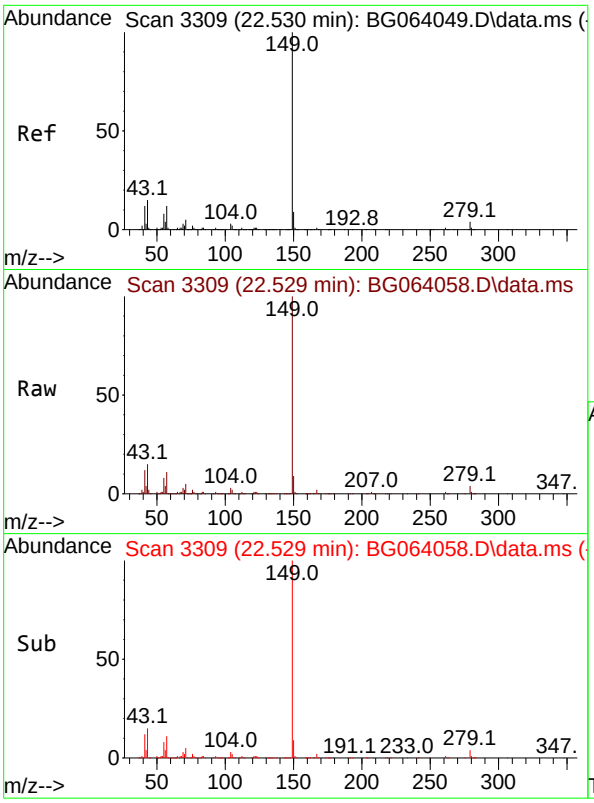


#84
Bis(2-ethylhexyl)phthalate
Concen: 45.182 ng
RT: 21.384 min Scan# 3114
Delta R.T. 0.005 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:149 Resp: 420121

Ion	Ratio	Lower	Upper
149	100		
167	25.3	21.0	31.6
279	3.7	2.8	4.2

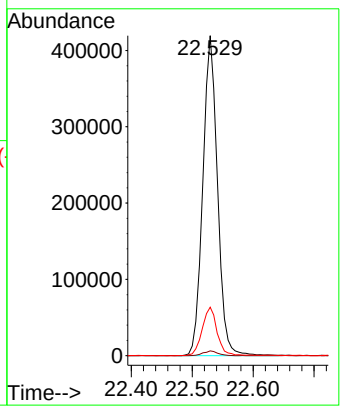




#85
Di-n-octyl phthalate
Concen: 43.833 ng
RT: 22.529 min Scan# 3
Delta R.T. -0.001 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:149 Resp: 70302

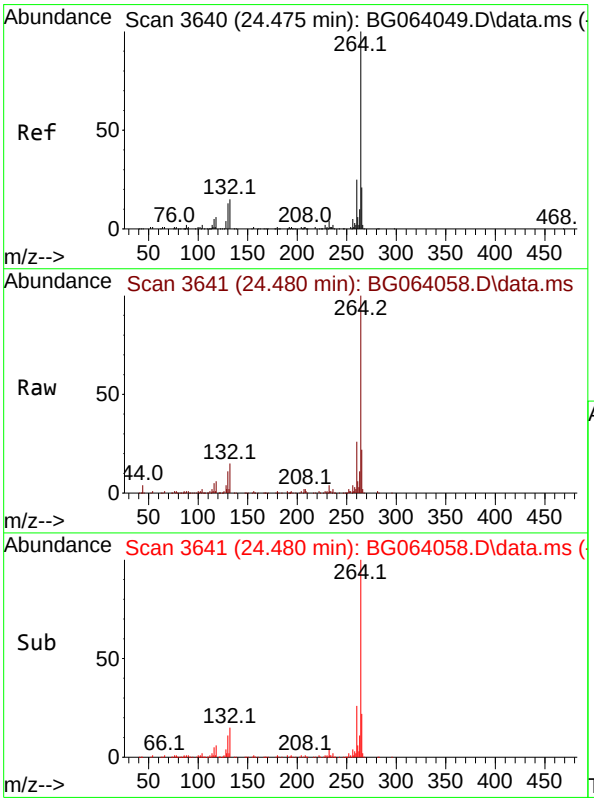
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	15.5	12.6	19.0



Instrument :
BNA_G
ClientSampleId :
PB167031BS

Manual Integrations
APPROVED

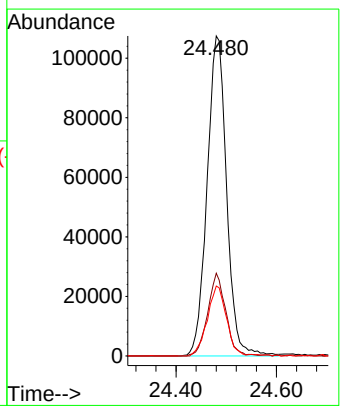
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

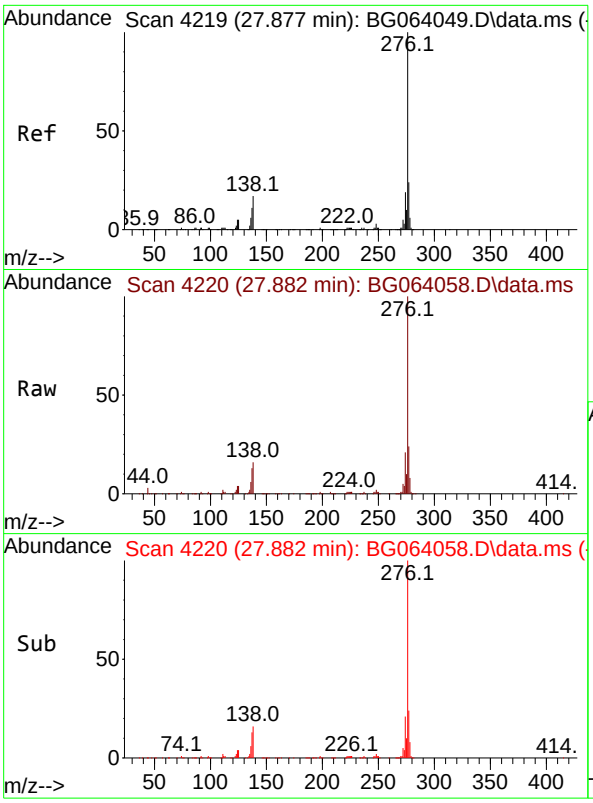


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.480 min Scan# 3641
Delta R.T. 0.005 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:264 Resp: 290005

Ion	Ratio	Lower	Upper
264	100		
260	25.9	19.6	29.4
265	21.9	16.6	25.0

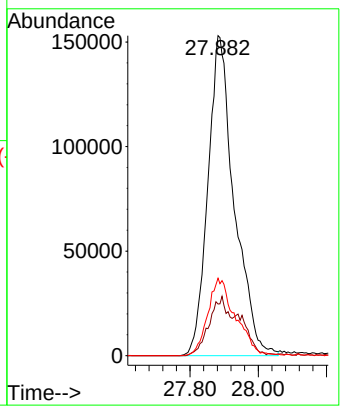




#87
Indeno(1,2,3-cd)pyrene
Concen: 42.356 ng
RT: 27.882 min Scan# 4
Delta R.T. 0.005 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:276 Resp: 82186

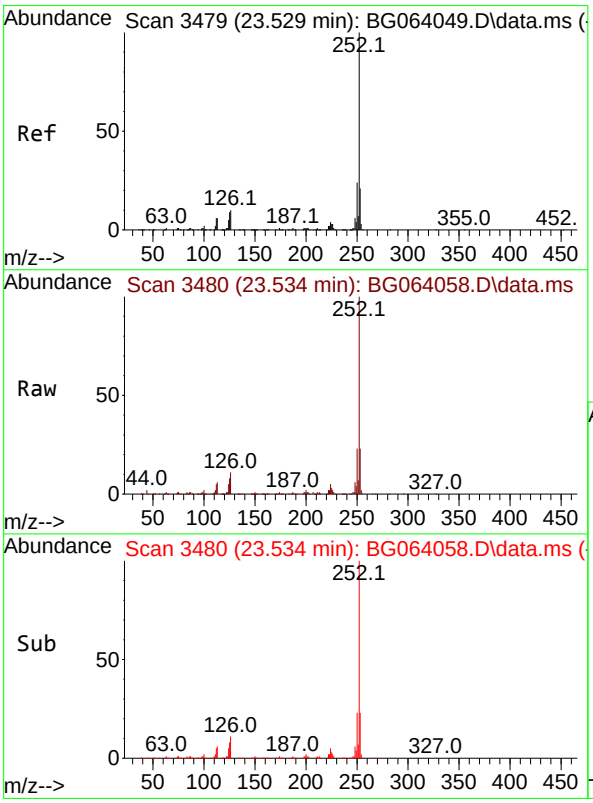
Ion	Ratio	Lower	Upper
276	100		
138	13.8	12.1	18.1
277	25.4	20.0	30.0



Instrument :
BNA_G
ClientSampleId :
PB167031BS

Manual Integrations
APPROVED

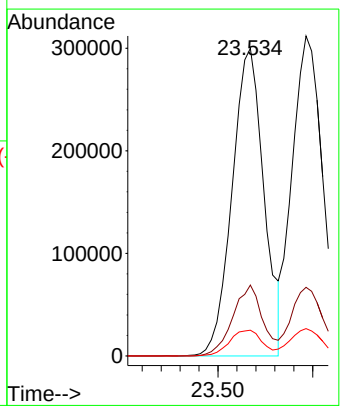
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

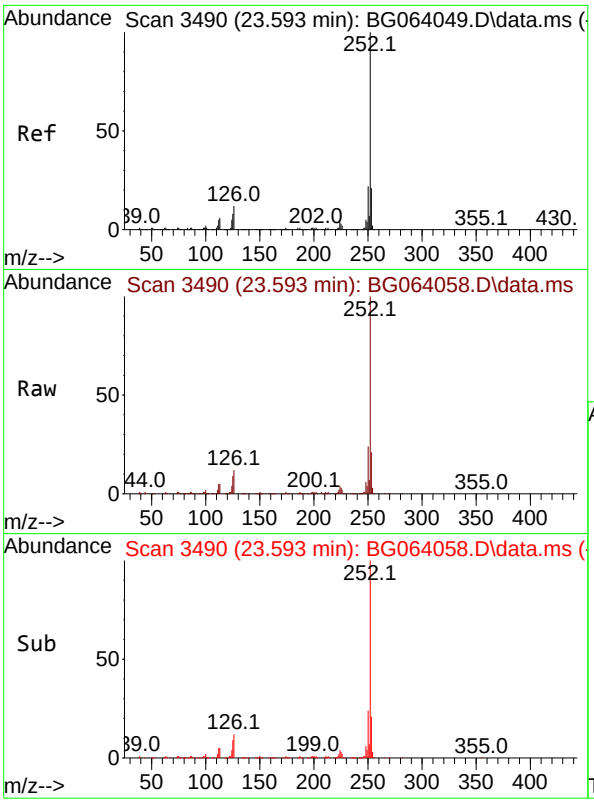


#88
Benzo(b)fluoranthene
Concen: 39.889 ng
RT: 23.534 min Scan# 3480
Delta R.T. 0.005 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:252 Resp: 699323

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.4
125	8.4	7.4	11.2

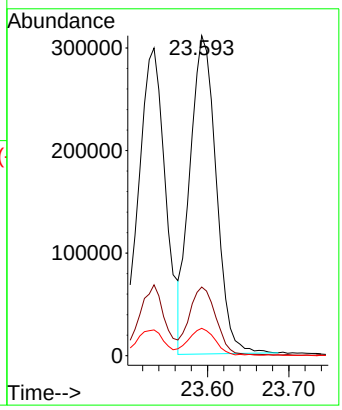




#89
Benzo(k)fluoranthene
Concen: 39.618 ng
RT: 23.593 min Scan# 34
Delta R.T. -0.000 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:252 Resp: 69680

Ion	Ratio	Lower	Upper
252	100		
253	21.5	16.8	25.2
125	8.6	6.9	10.3



Instrument :
BNA_G
ClientSampleId :
PB167031BS

Manual Integrations
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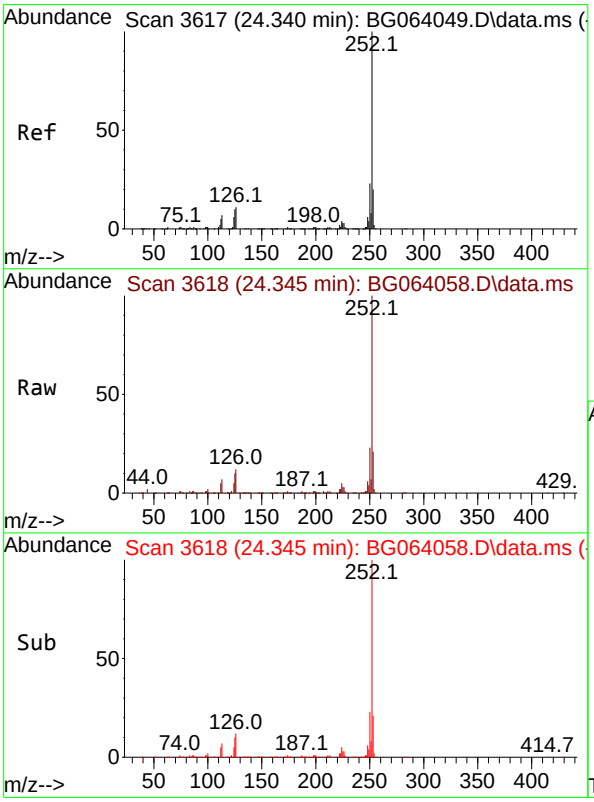
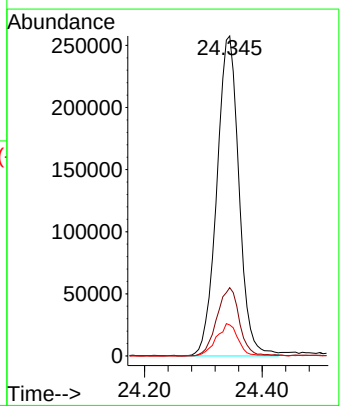
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

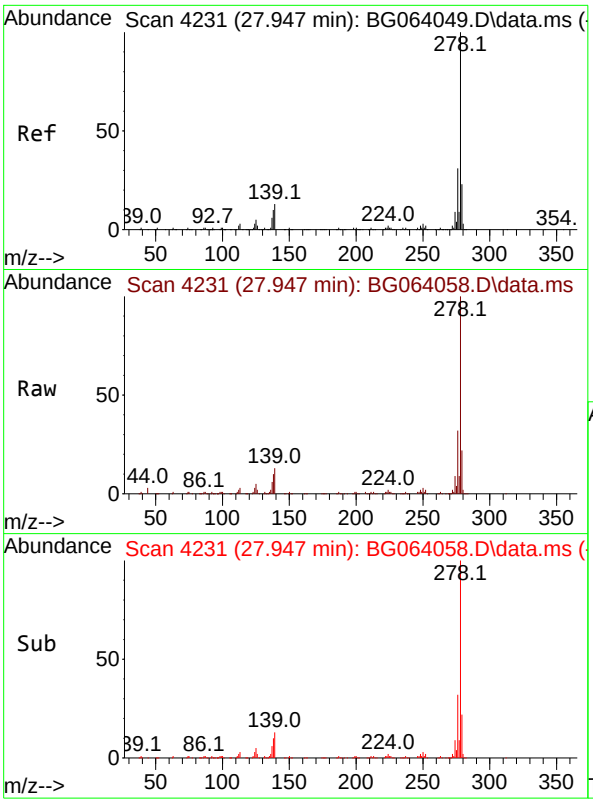


#90
Benzo(a)pyrene
Concen: 43.098 ng
RT: 24.345 min Scan# 3618
Delta R.T. 0.005 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:252 Resp: 672920

Ion	Ratio	Lower	Upper
252	100		
253	21.4	16.2	24.2
125	9.7	7.8	11.6

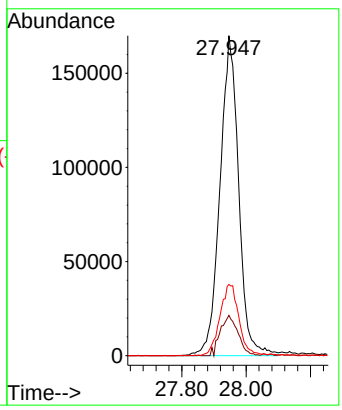




#91
Dibenzo(a,h)anthracene
Concen: 42.571 ng
RT: 27.947 min Scan# 4
Delta R.T. -0.000 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:278 Resp: 68481

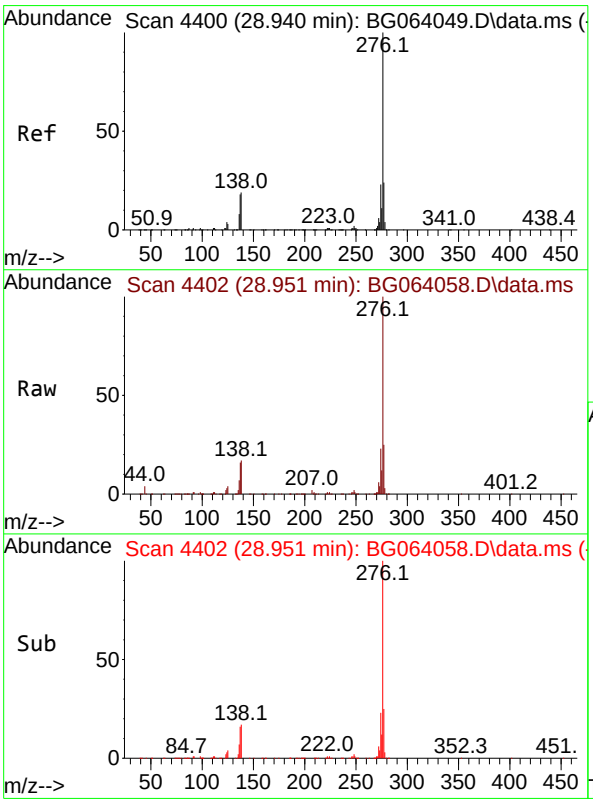
Ion	Ratio	Lower	Upper
278	100		
139	12.6	10.2	15.2
279	22.2	18.1	27.1



Instrument :
BNA_G
ClientSampleId :
PB167031BS

Manual Integrations
APPROVED

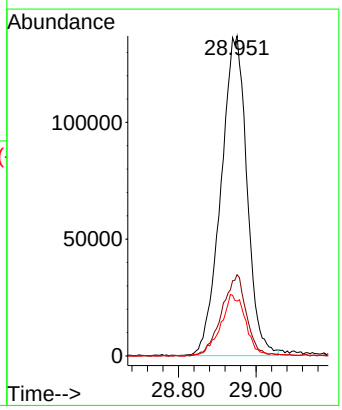
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#92
Benzo(g,h,i)perylene
Concen: 38.651 ng
RT: 28.951 min Scan# 4402
Delta R.T. 0.011 min
Lab File: BG064058.D
Acq: 7 Mar 2025 14:18

Tgt Ion:276 Resp: 638368

Ion	Ratio	Lower	Upper
276	100		
277	25.4	19.5	29.3
138	17.2	15.4	23.0



Raw Data: **BG064061.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167027BSD	SDG No.:	Q1514
Lab Sample ID:	PB167027BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064061.D	1	03/07/25 08:24	03/07/25 16:19	PB167027

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	19.9		4.00	10.0	ug/L
108-95-2	Phenol	42.3		0.93	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	38.5		1.20	5.00	ug/L
95-57-8	2-Chlorophenol	40.4		0.71	5.00	ug/L
95-48-7	2-Methylphenol	43.9		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	39.3		1.40	5.00	ug/L
98-86-2	Acetophenone	41.5		1.10	5.00	ug/L
65794-96-9	3+4-Methylphenols	43.2		1.20	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	39.9		1.50	2.50	ug/L
67-72-1	Hexachloroethane	40.6		1.00	5.00	ug/L
98-95-3	Nitrobenzene	40.7		1.30	5.00	ug/L
78-59-1	Isophorone	39.3		1.10	5.00	ug/L
88-75-5	2-Nitrophenol	42.1		2.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	53.9		1.50	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	38.7		1.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	43.5		0.88	5.00	ug/L
91-20-3	Naphthalene	37.0		1.00	5.00	ug/L
106-47-8	4-Chloroaniline	17.5		1.30	5.00	ug/L
87-68-3	Hexachlorobutadiene	38.7		1.30	5.00	ug/L
105-60-2	Caprolactam	46.6		1.70	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	41.9		0.84	5.00	ug/L
91-57-6	2-Methylnaphthalene	37.4		1.10	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	140	E	5.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	41.2		0.89	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	42.6		1.00	5.00	ug/L
92-52-4	1,1-Biphenyl	40.4		0.91	5.00	ug/L
91-58-7	2-Chloronaphthalene	37.2		0.97	5.00	ug/L
88-74-4	2-Nitroaniline	42.6		1.40	5.00	ug/L
131-11-3	Dimethylphthalate	38.1		0.93	5.00	ug/L

Raw Data: **BG064061.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167027BSD	SDG No.:	Q1514
Lab Sample ID:	PB167027BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064061.D	1	03/07/25 08:24	03/07/25 16:19	PB167027

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	39.7		1.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	38.7		1.20	5.00	ug/L
99-09-2	3-Nitroaniline	22.7		1.40	5.00	ug/L
83-32-9	Acenaphthene	37.1		0.81	5.00	ug/L
51-28-5	2,4-Dinitrophenol	86.0	E	6.40	10.0	ug/L
100-02-7	4-Nitrophenol	90.4	E	2.00	10.0	ug/L
132-64-9	Dibenzofuran	35.9		0.93	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	41.3		1.50	5.00	ug/L
84-66-2	Diethylphthalate	37.5		1.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	36.9		0.98	5.00	ug/L
86-73-7	Fluorene	37.6		0.96	5.00	ug/L
100-01-6	4-Nitroaniline	39.1		2.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	42.1		3.10	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	40.7		0.89	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	40.4		0.95	5.00	ug/L
118-74-1	Hexachlorobenzene	40.5		1.10	5.00	ug/L
1912-24-9	Atrazine	60.5		1.30	5.00	ug/L
87-86-5	Pentachlorophenol	83.0	E	1.90	10.0	ug/L
85-01-8	Phenanthrene	40.1		0.89	5.00	ug/L
120-12-7	Anthracene	41.1		1.10	5.00	ug/L
86-74-8	Carbazole	40.2		1.20	5.00	ug/L
84-74-2	Di-n-butylphthalate	41.2		1.50	5.00	ug/L
206-44-0	Fluoranthene	38.6		1.30	5.00	ug/L
129-00-0	Pyrene	39.7		1.10	5.00	ug/L
85-68-7	Butylbenzylphthalate	41.5		2.10	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	26.6		1.30	10.0	ug/L
56-55-3	Benzo(a)anthracene	40.2		0.94	5.00	ug/L
218-01-9	Chrysene	39.0		0.86	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	44.0		1.90	5.00	ug/L
117-84-0	Di-n-octyl phthalate	43.4		2.50	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	39.1		1.10	5.00	ug/L

Raw Data: **BG064061.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	
Client Sample ID:	PB167027BSD	SDG No.:	Q1514
Lab Sample ID:	PB167027BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064061.D	1	03/07/25 08:24	03/07/25 16:19	PB167027

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	39.6		1.20	5.00	ug/L
50-32-8	Benzo(a)pyrene	41.6		1.70	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	42.1		1.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	42.1		1.20	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	38.2		1.20	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	39.4		1.10	5.00	ug/L
123-91-1	1,4-Dioxane	35.1		1.30	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	42.6		0.79	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	129		15 (10) - 110 (139)	86%	SPK: 150
13127-88-3	Phenol-d6	126		15 (10) - 110 (134)	84%	SPK: 150
4165-60-0	Nitrobenzene-d5	87.2		30 (49) - 130 (133)	87%	SPK: 100
321-60-8	2-Fluorobiphenyl	77.7		30 (52) - 130 (132)	78%	SPK: 100
118-79-6	2,4,6-Tribromophenol	134		15 (44) - 110 (137)	89%	SPK: 150
1718-51-0	Terphenyl-d14	86.3		30 (48) - 130 (125)	86%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	35200	7.864			
1146-65-2	Naphthalene-d8	162000	10.655			
15067-26-2	Acenaphthene-d10	118000	14.492			
1517-22-2	Phenanthrene-d10	257000	17.23			
1719-03-5	Chrysene-d12	264000	21.466			
1520-96-3	Perylene-d12	281000	24.48			

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

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

Sample Results: **BG064061.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064061.D
Acq On : 7 Mar 2025 16:19
Operator : RC/JU
Sample : PB167027BSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 07 17:26:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB167027BSD

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.864	152	35231	20.000	ng		0.00
21) Naphthalene-d8	10.655	136	161506	20.000	ng		0.00
39) Acenaphthene-d10	14.492	164	117614	20.000	ng		0.00
64) Phenanthrene-d10	17.230	188	256688	20.000	ng		0.00
76) Chrysene-d12	21.466	240	264113	20.000	ng		0.00
86) Perylene-d12	24.480	264	280712	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.450	112	291945	129.391	ng		0.00
7) Phenol-d6	7.030	99	387760	126.329	ng		0.00
23) Nitrobenzene-d5	9.016	82	254764	87.172	ng		0.00
42) 2,4,6-Tribromophenol	15.979	330	174683	133.615	ng		0.00
45) 2-Fluorobiphenyl	13.117	172	602000	77.692	ng		0.00
79) Terphenyl-d14	19.850	244	1127527	86.321	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.364	88	35907	35.115	ng	#	89
3) Pyridine	3.752	79	90275	36.301	ng		98
4) n-Nitrosodimethylamine	3.669	42	75655	42.579	ng		100
6) Aniline	7.189	93	102507	34.034	ng		96
8) 2-Chlorophenol	7.430	128	97979	40.432	ng		98
9) Benzaldehyde	7.001	77	35444m	19.855	ng		
10) Phenol	7.060	94	132900	42.289	ng		99
11) bis(2-Chloroethyl)ether	7.289	93	94750	38.457	ng		97
12) 1,3-Dichlorobenzene	7.753	146	99142	37.256	ng		93
13) 1,4-Dichlorobenzene	7.900	146	104316	38.244	ng		99
14) 1,2-Dichlorobenzene	8.217	146	100127	38.069	ng		98
15) Benzyl Alcohol	8.100	79	98704	41.613	ng		95
16) 2,2'-oxybis(1-Chloropr...	8.387	45	217931	39.338	ng		99
17) 2-Methylphenol	8.299	107	91525	43.881	ng		96
18) Hexachloroethane	8.946	117	38766	40.622	ng		96
19) n-Nitroso-di-n-propyla...	8.669	70	85882	39.868	ng		99
20) 3+4-Methylphenols	8.628	107	123954	43.168	ng		90
22) Acetophenone	8.681	105	183627	41.468	ng	#	98
24) Nitrobenzene	9.057	77	122855	40.676	ng		97
25) Isophorone	9.580	82	230084	39.333	ng	#	95
26) 2-Nitrophenol	9.768	139	42579	42.082	ng		94
27) 2,4-Dimethylphenol	9.827	122	94493	53.884	ng		93
28) bis(2-Chloroethoxy)met...	10.068	93	137219	38.691	ng		98
29) 2,4-Dichlorophenol	10.297	162	96328	43.502	ng		96
30) 1,2,4-Trichlorobenzene	10.514	180	100324	37.531	ng		97
31) Naphthalene	10.702	128	322155	36.992	ng		99
32) Benzoic acid	9.974	122	65853m	42.180	ng		
33) 4-Chloroaniline	10.802	127	55713	17.503	ng		96
34) Hexachlorobutadiene	10.996	225	67828	38.712	ng		96
35) Caprolactam	11.566	113	39547m	46.605	ng		
36) 4-Chloro-3-methylphenol	11.930	107	121632	41.905	ng		98
37) 2-Methylnaphthalene	12.312	142	229982	37.407	ng		98
38) 1-Methylnaphthalene	12.530	142	223407	37.090	ng		100
40) 1,2,4,5-Tetrachloroben...	12.682	216	132377	39.424	ng		96
41) Hexachlorocyclopentadiene	12.665	237	134524	142.345	ng		98
43) 2,4,6-Trichlorophenol	12.917	196	81593	41.230	ng		97

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064061.D
Acq On : 7 Mar 2025 16:19
Operator : RC/JU
Sample : PB167027BSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 07 17:26:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB167027BSD

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.988	196	93603	42.568	ng		99
46) 1,1'-Biphenyl	13.323	154	358704	40.368	ng		97
47) 2-Chloronaphthalene	13.364	162	241031	37.192	ng		97
48) 2-Nitroaniline	13.558	65	89341	42.583	ng		89
49) Acenaphthylene	14.210	152	407385	39.742	ng		99
50) Dimethylphthalate	13.951	163	330759	38.097	ng		99
51) 2,6-Dinitrotoluene	14.063	165	66930	38.699	ng		99
52) Acenaphthene	14.551	154	255264	37.106	ng		98
53) 3-Nitroaniline	14.380	138	38045	22.673	ng		95
54) 2,4-Dinitrophenol	14.592	184	63607	85.963	ng		87
55) Dibenzofuran	14.892	168	400242	35.914	ng		99
56) 4-Nitrophenol	14.698	139	127240	90.416	ng		93
57) 2,4-Dinitrotoluene	14.850	165	99044	41.304	ng	#	97
58) Fluorene	15.538	166	326324	37.595	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.115	232	91312	42.595	ng		97
60) Diethylphthalate	15.315	149	353540	37.510	ng		99
61) 4-Chlorophenyl-phenyle...	15.532	204	158955	36.852	ng		93
62) 4-Nitroaniline	15.550	138	70860	39.114	ng		94
63) Azobenzene	15.826	77	367923	36.582	ng		99
65) 4,6-Dinitro-2-methylph...	15.608	198	45348	42.105	ng		94
66) n-Nitrosodiphenylamine	15.749	169	295503	40.670	ng		100
67) 4-Bromophenyl-phenylether	16.425	248	106146	40.376	ng		99
68) Hexachlorobenzene	16.537	284	119277	40.526	ng		99
69) Atrazine	16.695	200	129393	60.525	ng		96
70) Pentachlorophenol	16.883	266	151745	83.037	ng		96
71) Phenanthrene	17.271	178	548919	40.093	ng		99
72) Anthracene	17.365	178	559114	41.069	ng		97
73) Carbazole	17.630	167	511373	40.231	ng		99
74) Di-n-butylphthalate	18.205	149	616679	41.217	ng		99
75) Fluoranthene	19.281	202	636646	38.571	ng		98
77) Benzidine	19.463	184	192016	52.503	ng		99
78) Pyrene	19.645	202	676122	39.713	ng		99
80) Butylbenzylphthalate	20.550	149	261414	41.455	ng		97
81) Benzo(a)anthracene	21.443	228	680233	40.207	ng		99
82) 3,3'-Dichlorobenzidine	21.366	252	145661	26.603	ng		95
83) Chrysene	21.507	228	657283	38.953	ng		99
84) Bis(2-ethylhexyl)phtha...	21.384	149	402756	44.018	ng		99
85) Di-n-octyl phthalate	22.530	149	684476	43.371	ng		98
87) Indeno(1,2,3-cd)pyrene	27.882	276	790393	42.083	ng		99
88) Benzo(b)fluoranthene	23.534	252	663953	39.125	ng		98
89) Benzo(k)fluoranthene	23.599	252	674074	39.594	ng		99
90) Benzo(a)pyrene	24.339	252	628853	41.609	ng		96
91) Dibenzo(a,h)anthracene	27.947	278	655992	42.130	ng		98
92) Benzo(g,h,i)perylene	28.946	276	610652	38.197	ng		96

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064061.D
Acq On : 7 Mar 2025 16:19
Operator : RC/JU
Sample : PB167027BSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 07 17:26:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
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Instrument :
BNA_G
ClientSampleId :
PB167027BSD

Manual Integrations APPROVED

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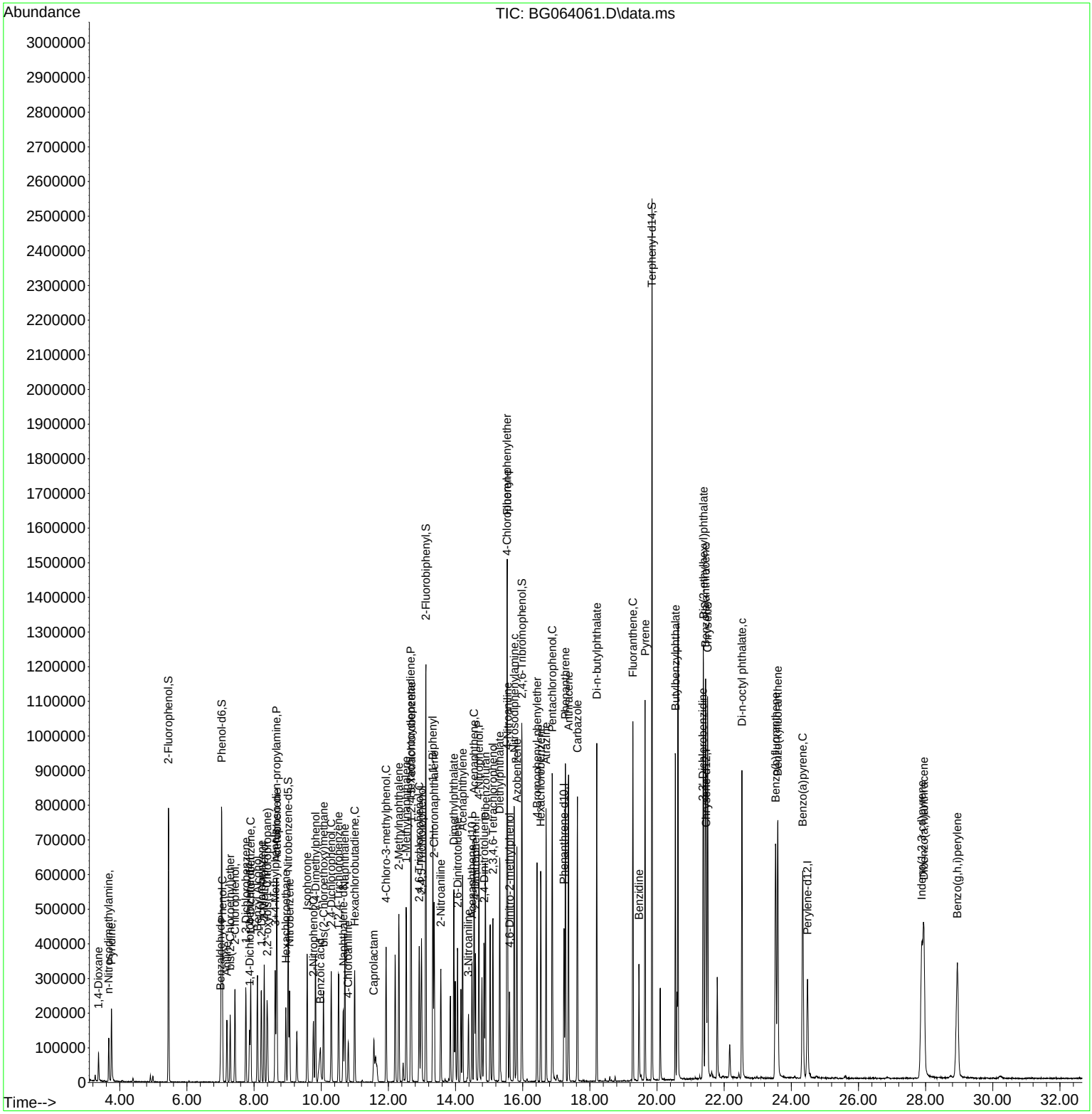
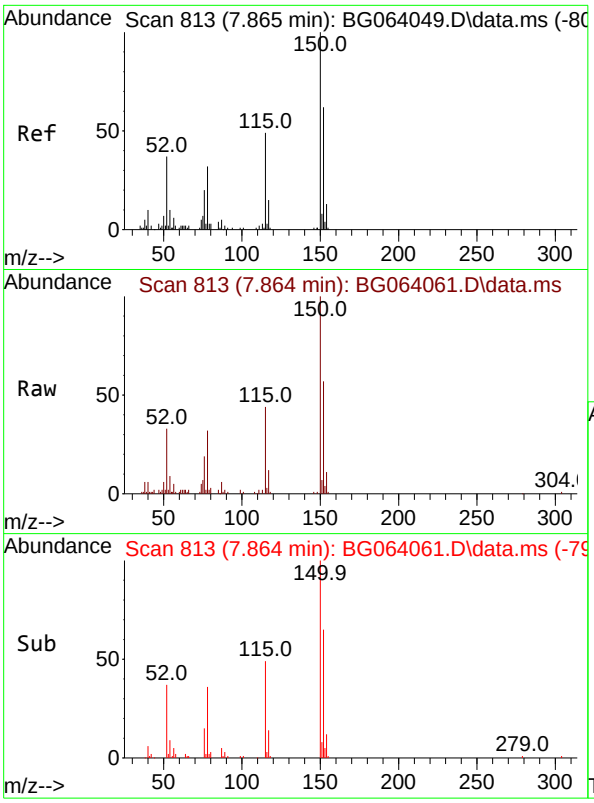
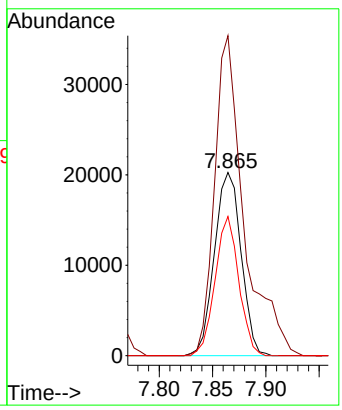




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.864 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:152 Resp: 3523

Ion	Ratio	Lower	Upper
152	100		
150	174.6	129.2	193.8
115	76.0	63.0	94.6



Instrument :
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PB167027BSD

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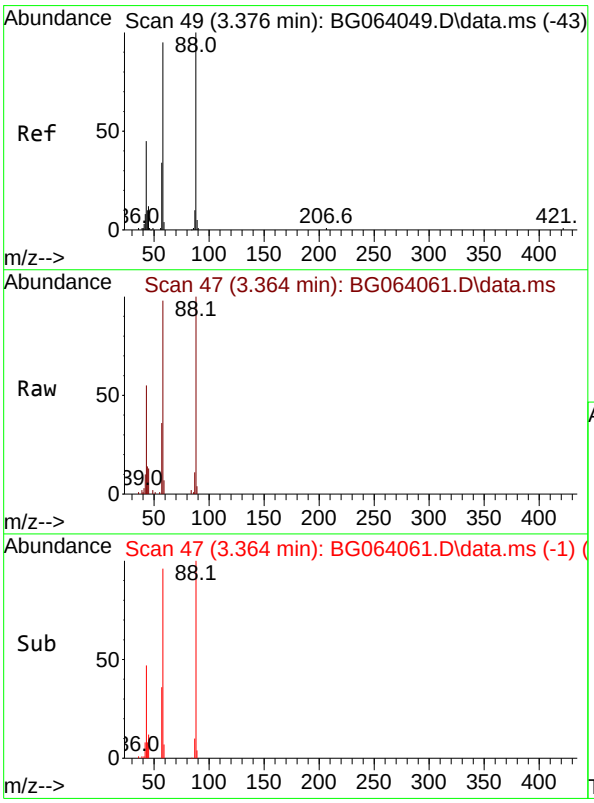
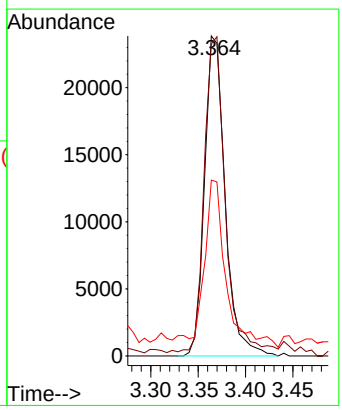
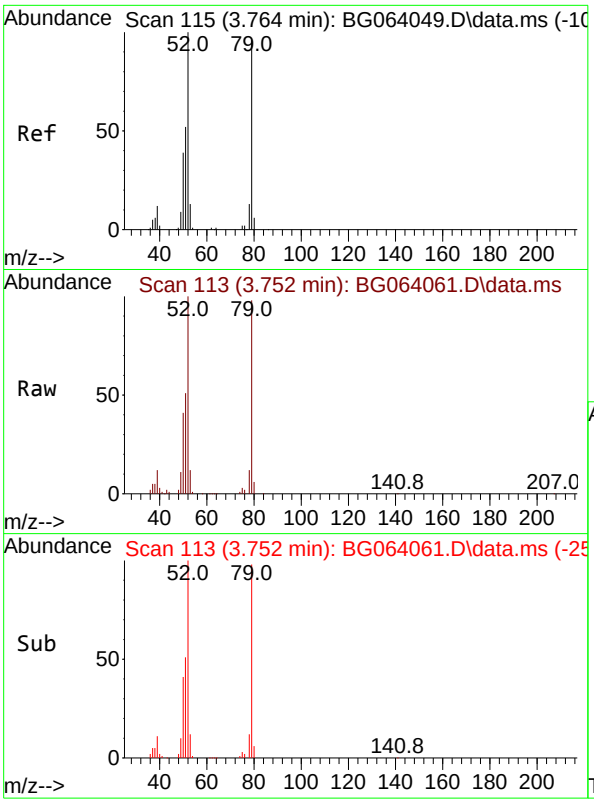


#2
1,4-Dioxane
Concen: 35.115 ng
RT: 3.364 min Scan# 47
Delta R.T. -0.012 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion: 88 Resp: 35907

Ion	Ratio	Lower	Upper
88	100		
58	100.7	74.6	111.8
43	56.2	35.5	53.3#

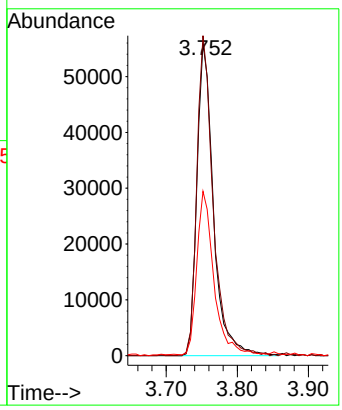




#3
Pyridine
Concen: 36.301 ng
RT: 3.752 min Scan# 11
Delta R.T. -0.012 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion: 79 Resp: 9027

Ion	Ratio	Lower	Upper
79	100		
52	102.4	83.0	124.6
51	52.6	44.3	66.5



Instrument :
BNA_G
ClientSampleId :
PB167027BSD

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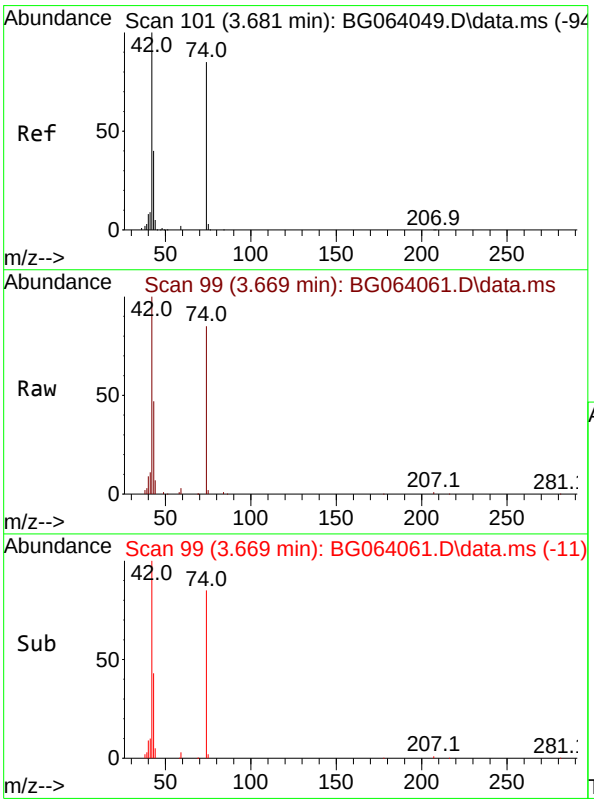
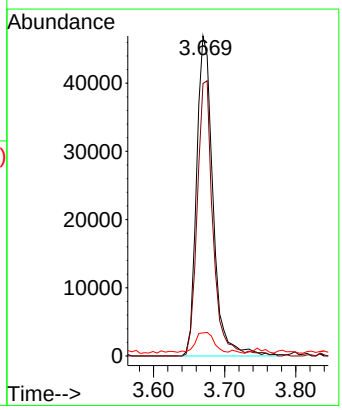
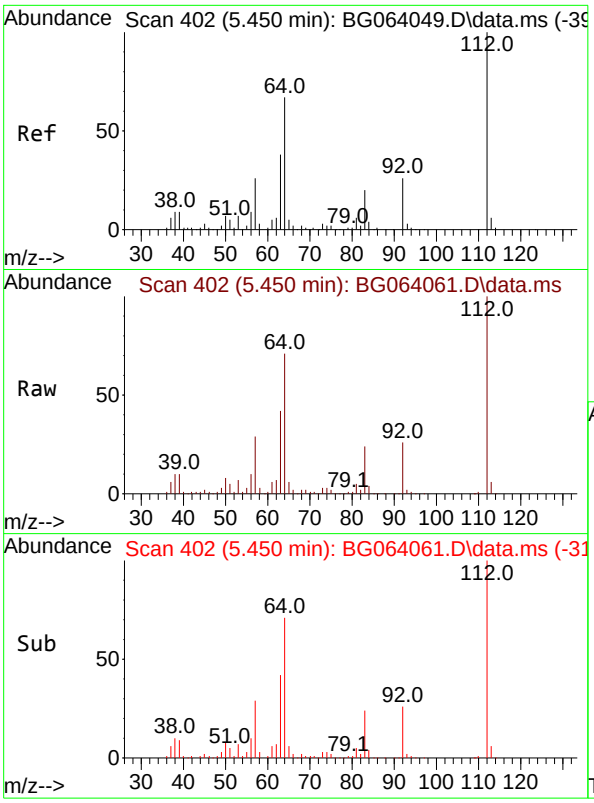


#4
n-Nitrosodimethylamine
Concen: 42.579 ng
RT: 3.669 min Scan# 99
Delta R.T. -0.012 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion: 42 Resp: 75655

Ion	Ratio	Lower	Upper
42	100		
74	85.2	68.0	102.0
44	7.2	4.9	7.3

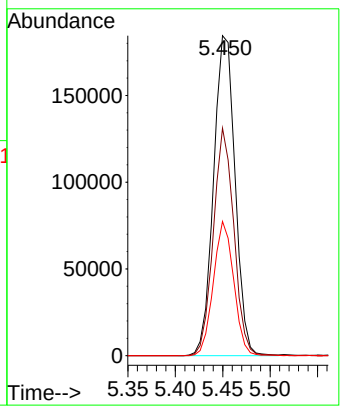




#5
2-Fluorophenol
Concen: 129.391 ng
RT: 5.450 min Scan# 4(
Delta R.T. -0.000 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:112 Resp: 29194

Ion	Ratio	Lower	Upper
112	100		
64	71.1	53.7	80.5
63	41.9	30.2	45.4



Instrument :
BNA_G
ClientSampleId :
PB167027BSD

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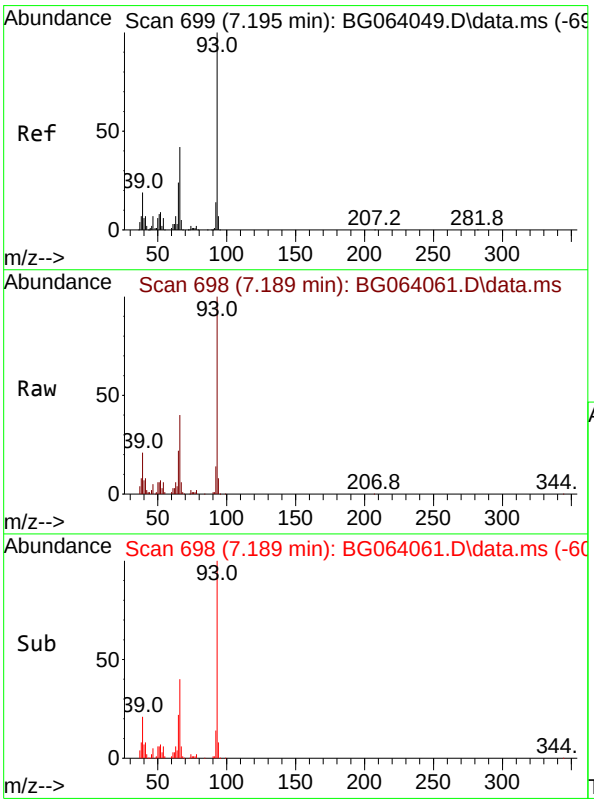
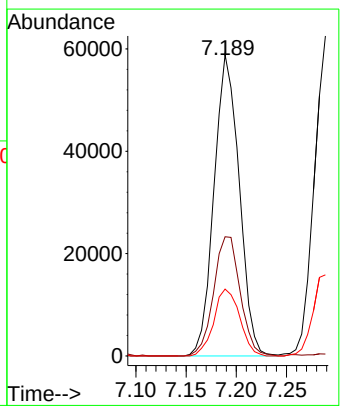
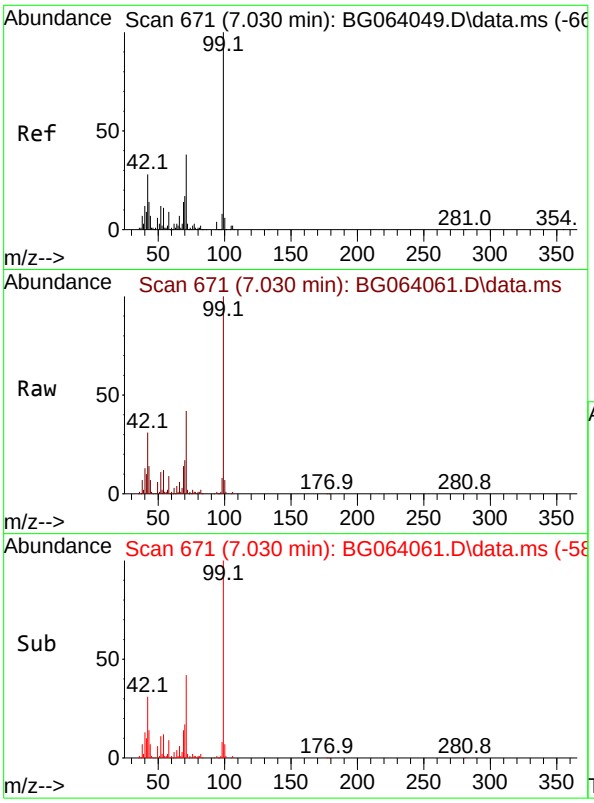


#6
Aniline
Concen: 34.034 ng
RT: 7.189 min Scan# 698
Delta R.T. -0.006 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion: 93 Resp: 102507

Ion	Ratio	Lower	Upper
93	100		
66	39.5	33.7	50.5
65	22.2	19.1	28.7

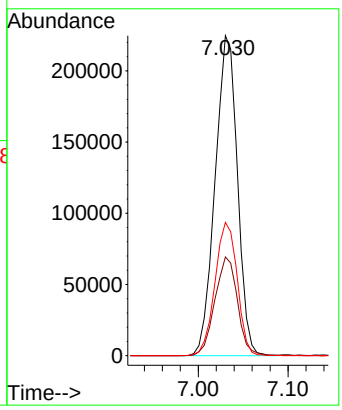




#7
Phenol-d6
Concen: 126.329 ng
RT: 7.030 min Scan# 6
Delta R.T. -0.000 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion: 99 Resp: 38776

Ion	Ratio	Lower	Upper
99	100		
42	30.8	22.7	34.1
71	41.6	30.6	46.0



Instrument :
BNA_G
ClientSampleId :
PB167027BSD

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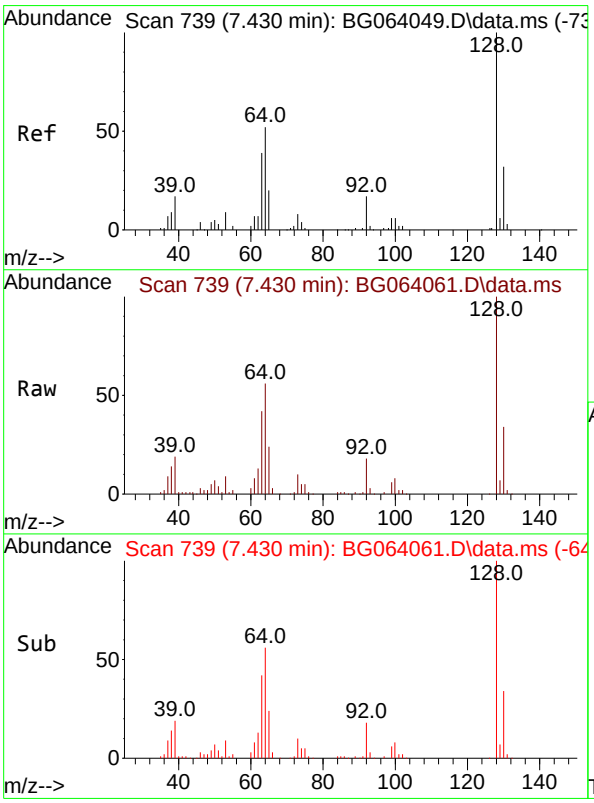
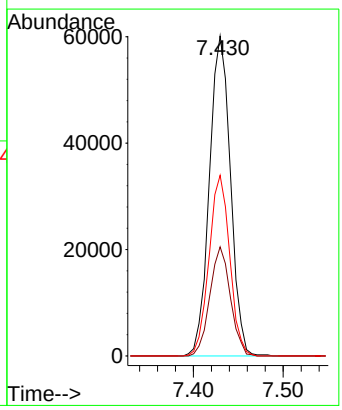
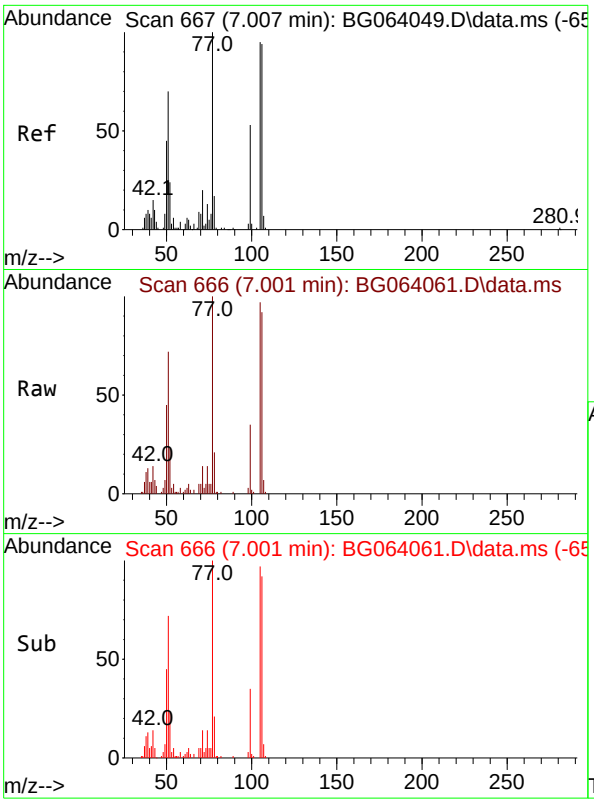


#8
2-Chlorophenol
Concen: 40.432 ng
RT: 7.430 min Scan# 739
Delta R.T. -0.000 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:128 Resp: 97979

Ion	Ratio	Lower	Upper
128	100		
130	34.1	12.3	52.3
64	56.4	37.0	77.0

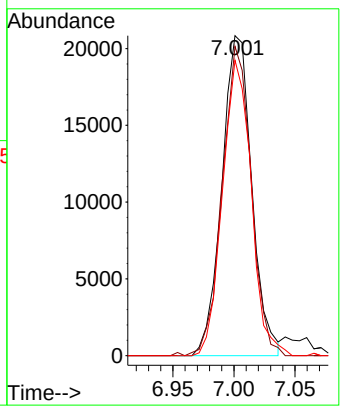




#9
Benzaldehyde
Concen: 19.855 ng m
RT: 7.001 min Scan# 6
Delta R.T. -0.006 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion: 77 Resp: 3544

Ion	Ratio	Lower	Upper
77	100		
105	96.7	75.5	115.5
106	92.3	74.2	114.2



Instrument :
BNA_G
ClientSampleId :
PB167027BSD

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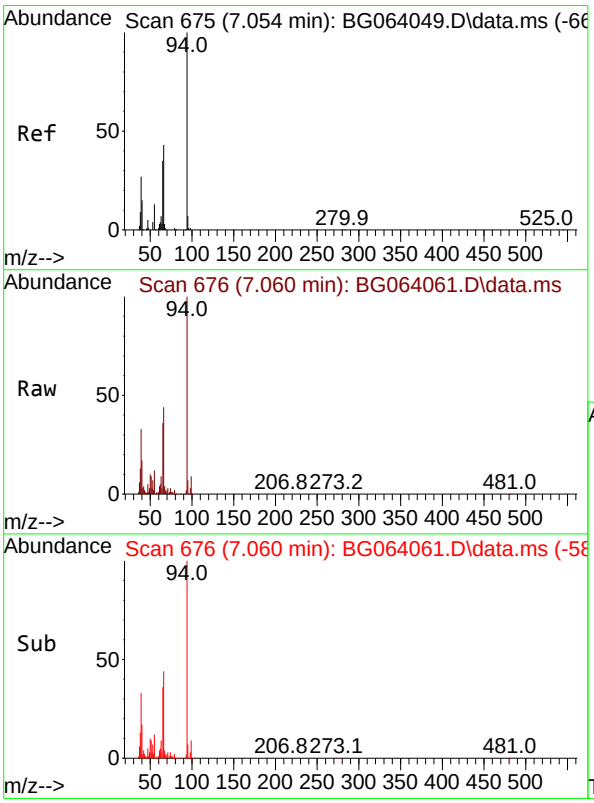
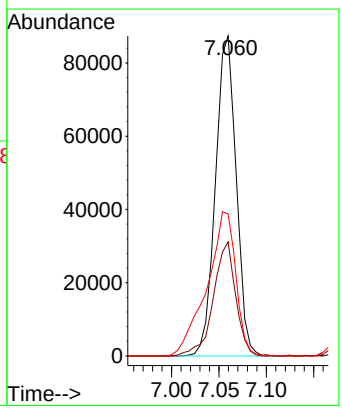
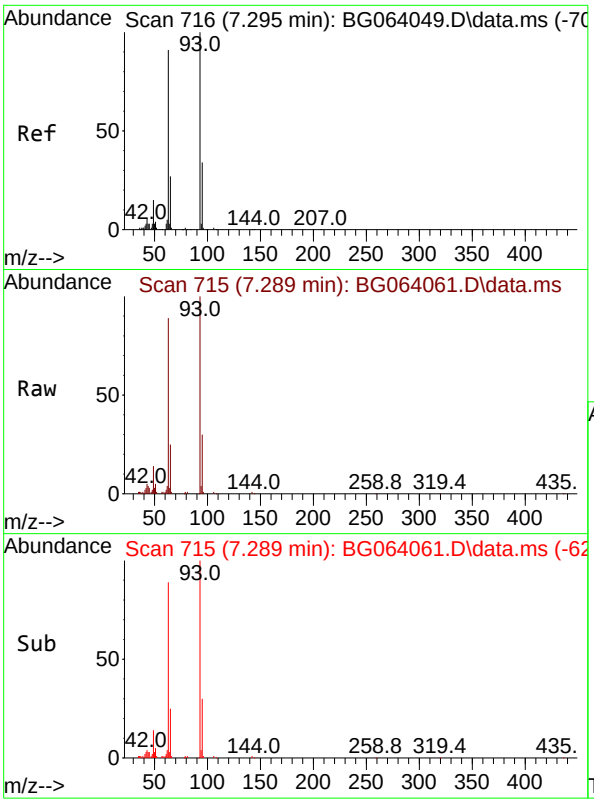


#10
Phenol
Concen: 42.289 ng
RT: 7.060 min Scan# 676
Delta R.T. 0.006 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion: 94 Resp: 132900

Ion	Ratio	Lower	Upper
94	100		
65	35.7	15.2	55.2
66	44.4	25.1	65.1

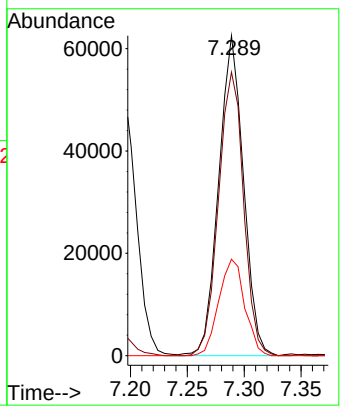




#11
bis(2-Chloroethyl)ether
Concen: 38.457 ng
RT: 7.289 min Scan# 7
Delta R.T. -0.006 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion: 93 Resp: 9475

Ion	Ratio	Lower	Upper
93	100		
63	88.6	70.0	110.0
95	30.2	13.7	53.7



Instrument :
BNA_G
ClientSampleId :
PB167027BSD

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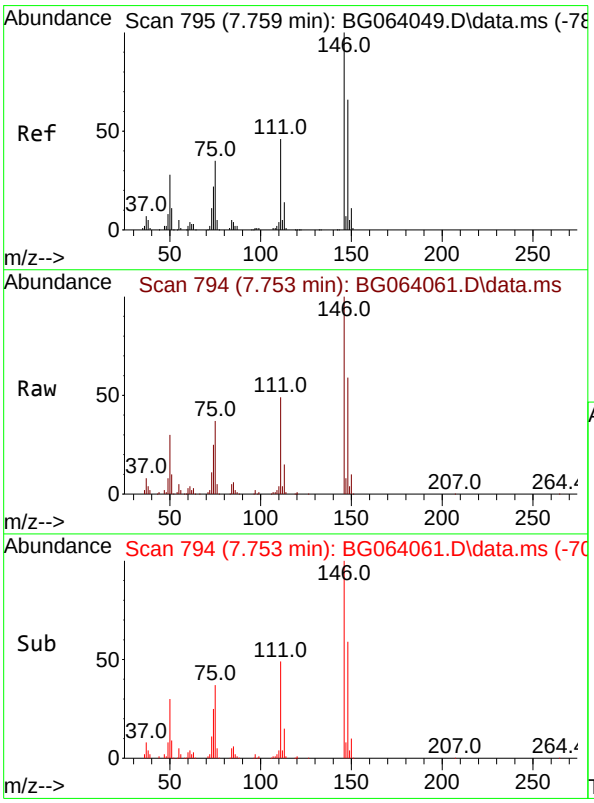
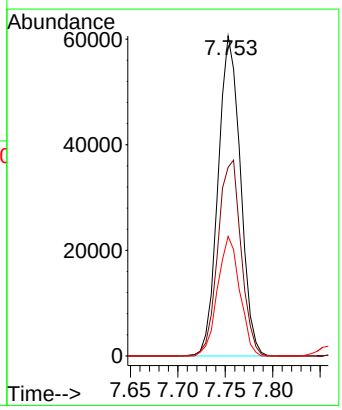
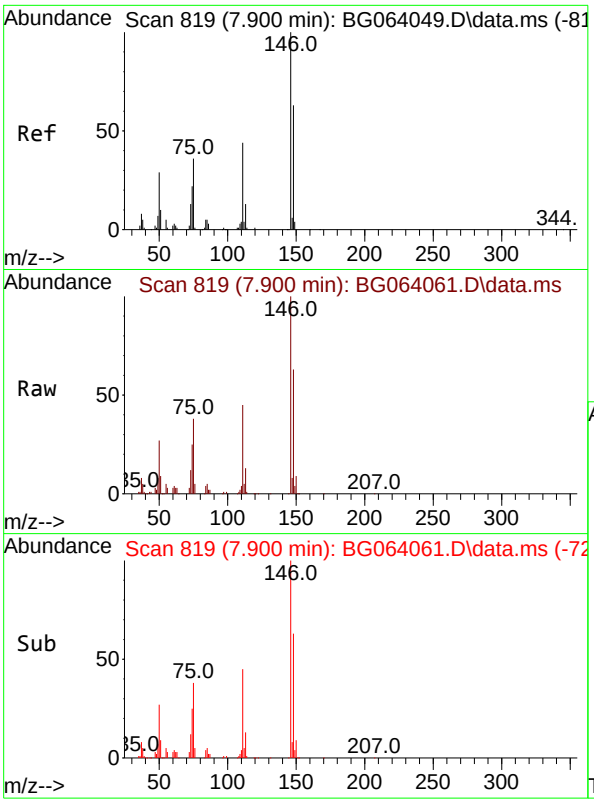


#12
1,3-Dichlorobenzene
Concen: 37.256 ng
RT: 7.753 min Scan# 794
Delta R.T. -0.006 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:146 Resp: 99142

Ion	Ratio	Lower	Upper
146	100		
148	58.9	52.6	78.8
75	37.3	28.1	42.1

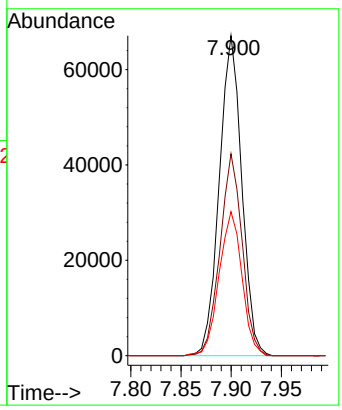




#13
1,4-Dichlorobenzene
Concen: 38.244 ng
RT: 7.900 min Scan# 81
Delta R.T. -0.000 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:146 Resp: 10431

Ion	Ratio	Lower	Upper
146	100		
148	63.1	50.6	75.8
111	45.0	35.1	52.7



Instrument :
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ClientSampleId :
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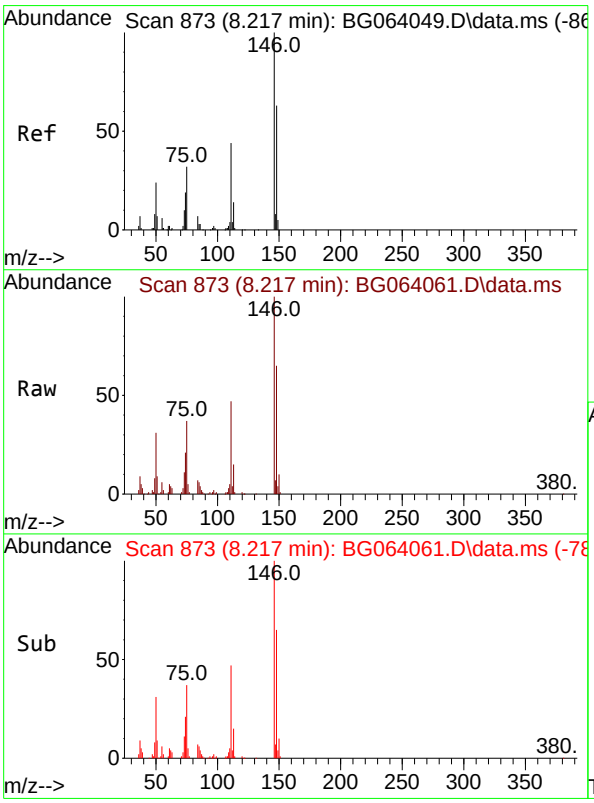
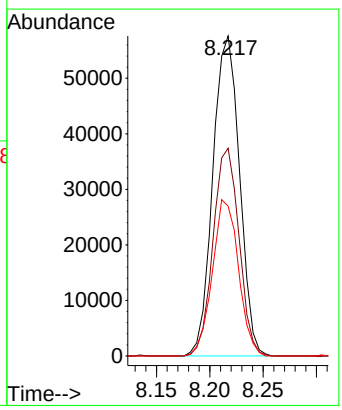
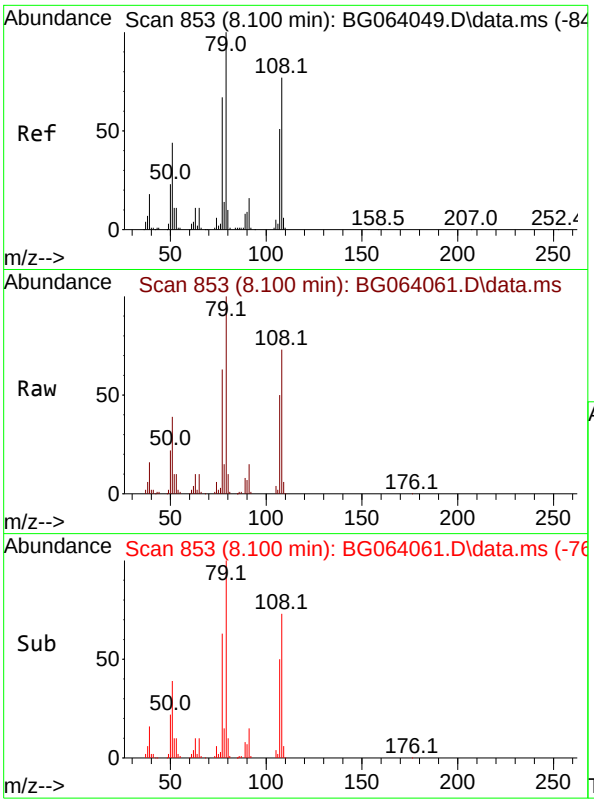


#14
1,2-Dichlorobenzene
Concen: 38.069 ng
RT: 8.217 min Scan# 873
Delta R.T. -0.000 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:146 Resp: 100127

Ion	Ratio	Lower	Upper
146	100		
148	64.9	50.2	75.2
111	46.8	36.4	54.6





#15
Benzyl Alcohol
Concen: 41.613 ng
RT: 8.100 min Scan# 8
Delta R.T. -0.000 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion: 79 Resp: 9870

Ion	Ratio	Lower	Upper
79	100		
108	72.7	61.7	92.5
77	62.7	53.9	80.9

Instrument :
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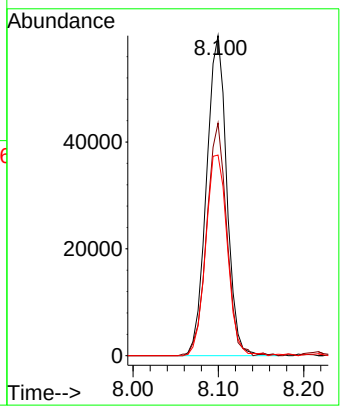
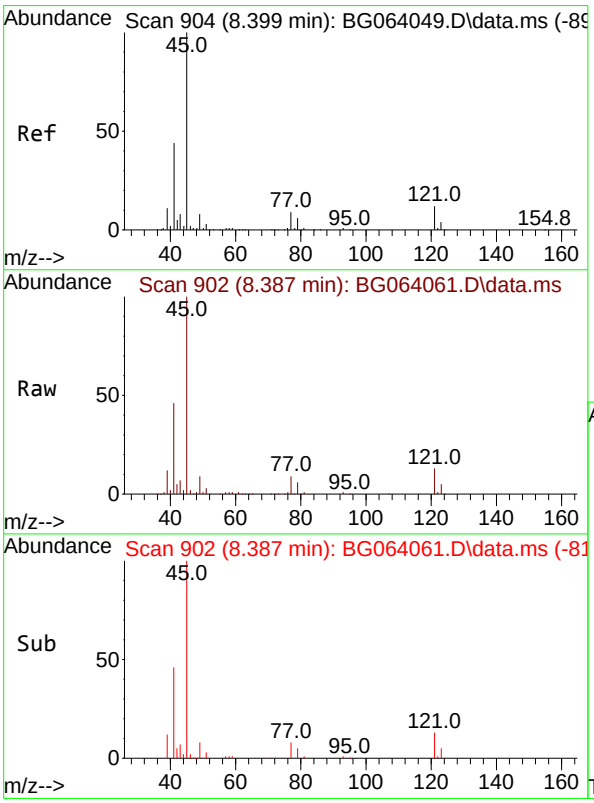
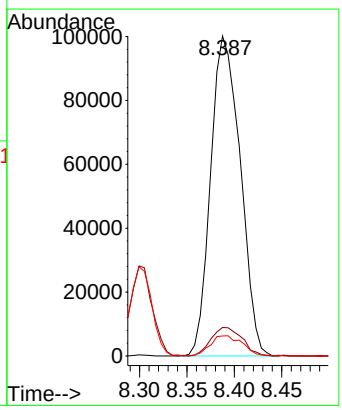


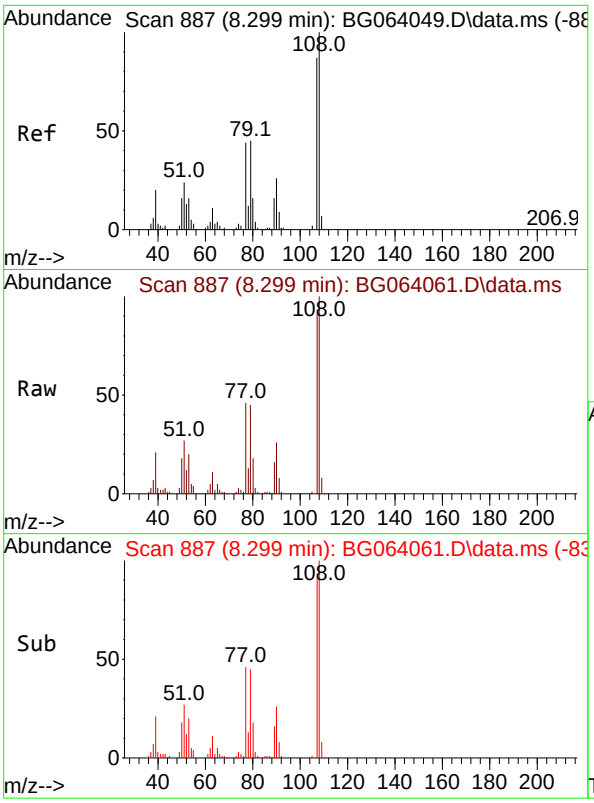


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.338 ng
RT: 8.387 min Scan# 902
Delta R.T. -0.012 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion: 45 Resp: 217931

Ion	Ratio	Lower	Upper
45	100		
77	8.9	0.0	29.0
79	6.2	0.0	26.6

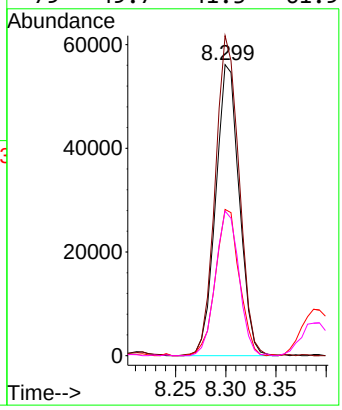




#17
2-Methylphenol
Concen: 43.881 ng
RT: 8.299 min Scan# 8
Delta R.T. -0.000 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:107 Resp: 9152

Ion	Ratio	Lower	Upper
107	100		
108	109.9	92.5	138.7
77	50.2	40.5	60.7
79	49.7	41.3	61.9



Instrument :
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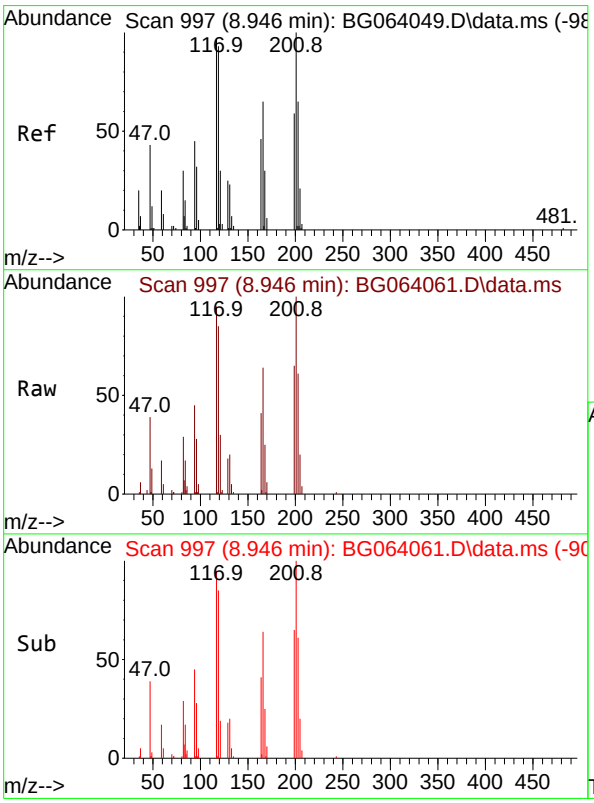
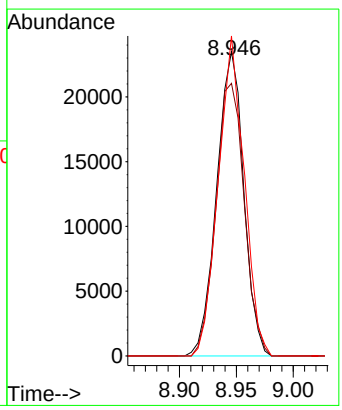
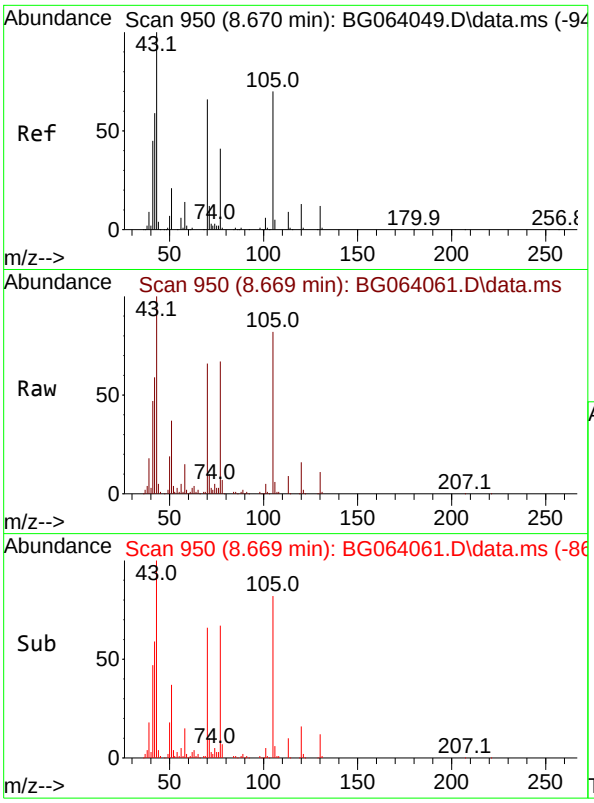


#18
Hexachloroethane
Concen: 40.622 ng
RT: 8.946 min Scan# 997
Delta R.T. -0.000 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:117 Resp: 38766

Ion	Ratio	Lower	Upper
117	100		
119	88.6	76.2	114.2
201	104.0	81.5	122.3

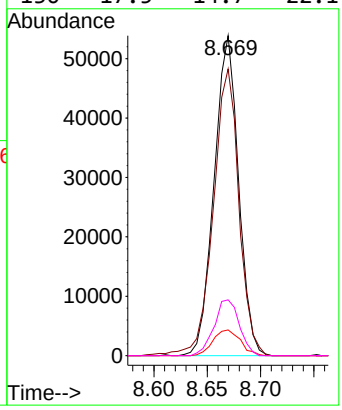




#19
n-Nitroso-di-n-propylamine
Concen: 39.868 ng
RT: 8.669 min Scan# 9
Delta R.T. -0.000 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion: 70 Resp: 8588

Ion	Ratio	Lower	Upper
70	100		
42	89.6	72.1	108.1
101	8.1	7.2	10.8
130	17.5	14.7	22.1



Instrument :
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ClientSampleId :
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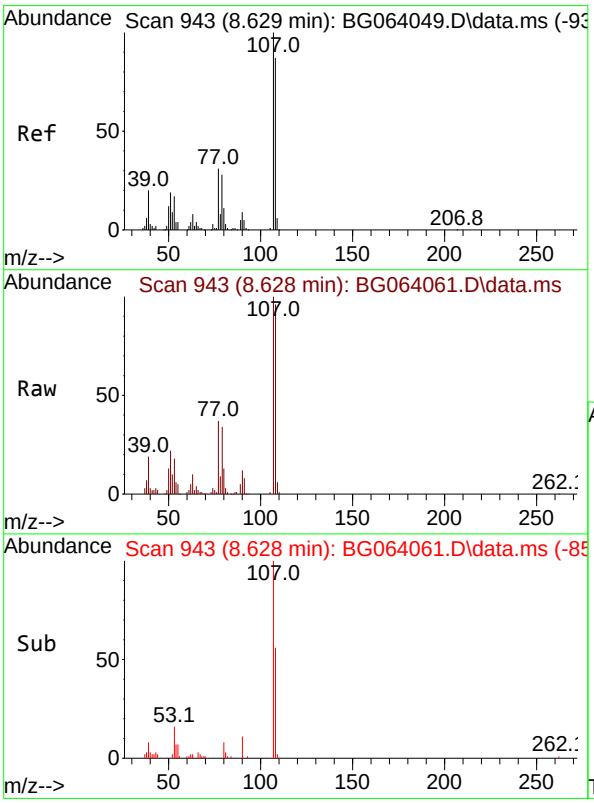
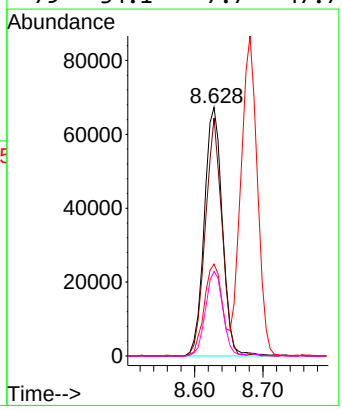
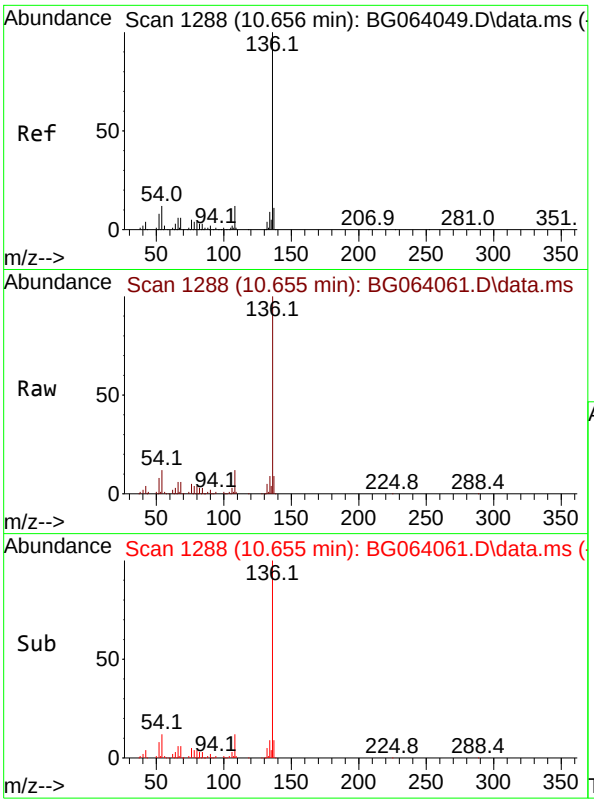


#20
3+4-Methylphenols
Concen: 43.168 ng
RT: 8.628 min Scan# 943
Delta R.T. -0.000 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:107 Resp: 123954

Ion	Ratio	Lower	Upper
107	100		
108	95.8	67.0	107.0
77	36.9	11.2	51.2
79	34.1	7.7	47.7

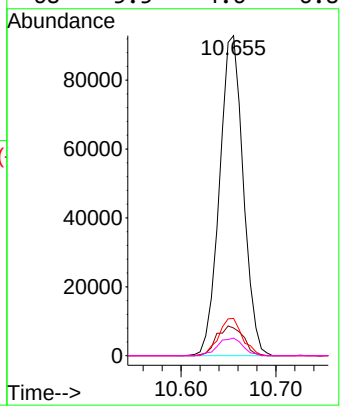




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.655 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:136 Resp: 16150

Ion	Ratio	Lower	Upper
136	100		
137	8.7	8.5	12.7
54	11.6	9.9	14.9
68	5.5	4.6	6.8



Instrument :
BNA_G
ClientSampleId :
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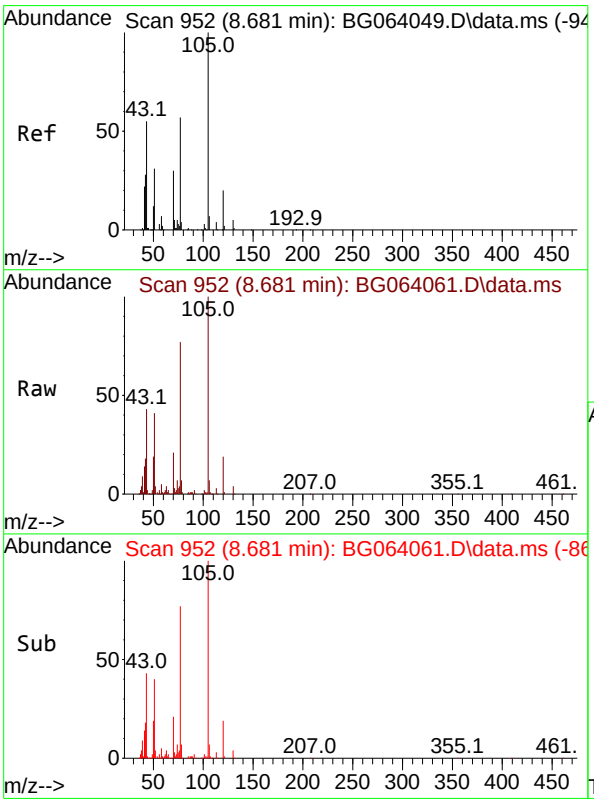
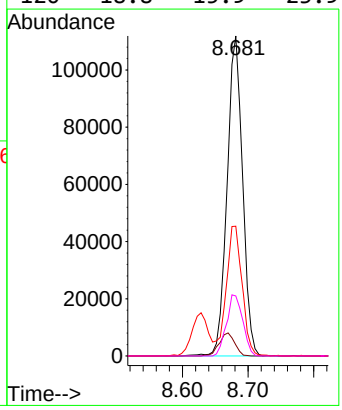
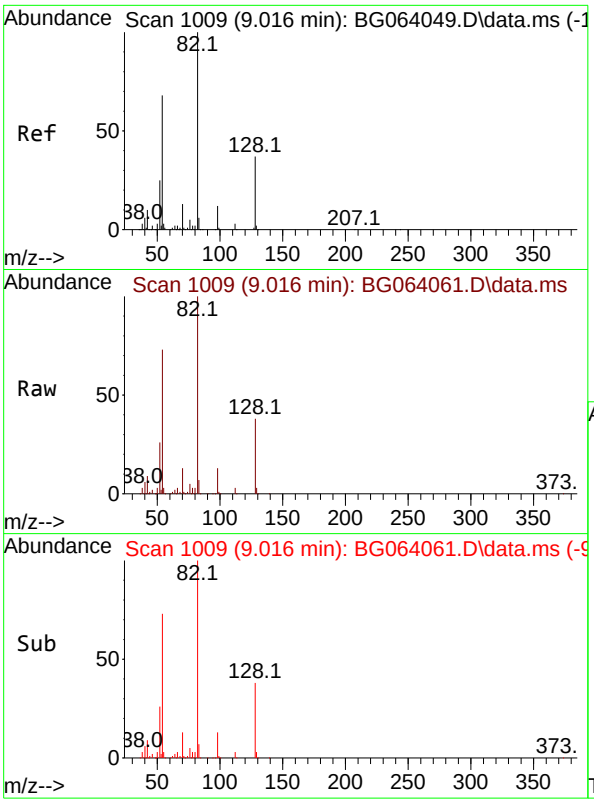


#22
Acetophenone
Concen: 41.468 ng
RT: 8.681 min Scan# 952
Delta R.T. -0.000 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:105 Resp: 183627

Ion	Ratio	Lower	Upper
105	100		
71	3.4	4.2	6.4#
51	40.5	33.3	49.9
120	18.8	15.9	23.9

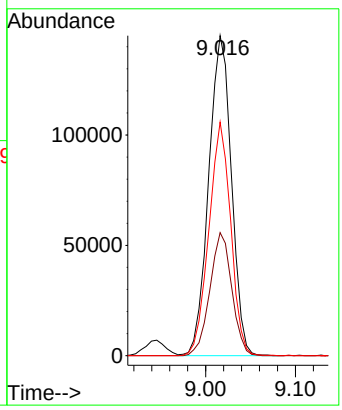




#23
Nitrobenzene-d5
Concen: 87.172 ng
RT: 9.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion: 82 Resp: 25476

Ion	Ratio	Lower	Upper
82	100		
128	38.4	30.0	45.0
54	73.0	54.7	82.1



Instrument :
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ClientSampleId :
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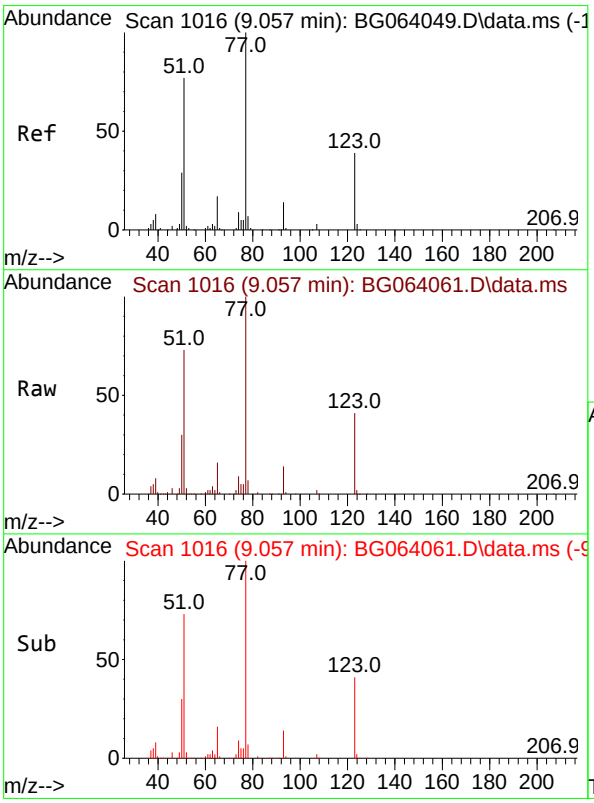
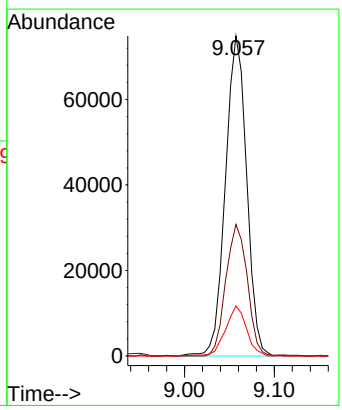
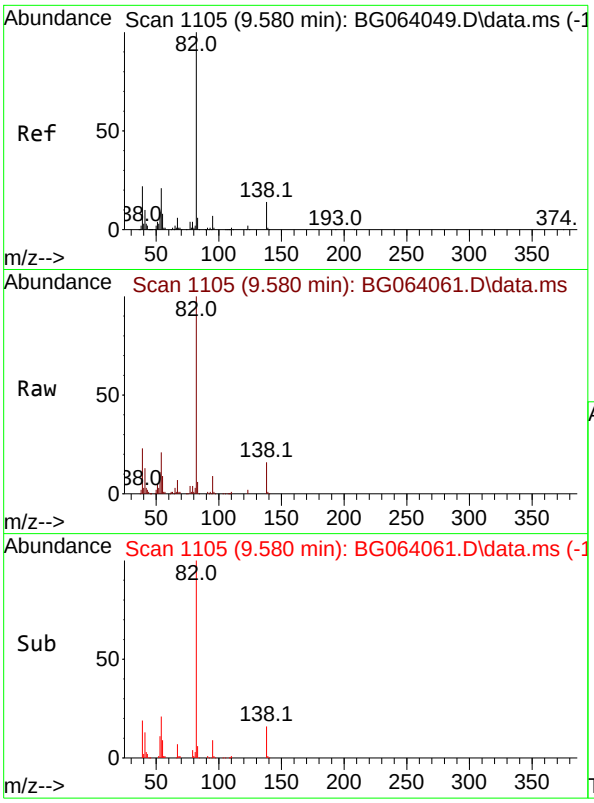


#24
Nitrobenzene
Concen: 40.676 ng
RT: 9.057 min Scan# 1016
Delta R.T. -0.000 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion: 77 Resp: 122855

Ion	Ratio	Lower	Upper
77	100		
123	41.1	31.4	47.2
65	15.6	13.4	20.0

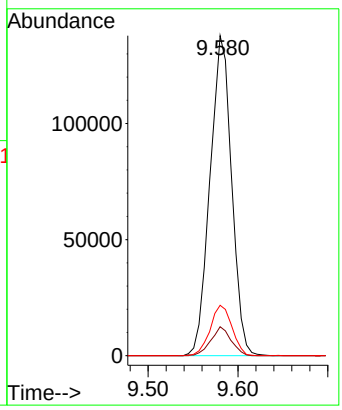




#25
Isophorone
Concen: 39.333 ng
RT: 9.580 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion: 82 Resp: 23008

Ion	Ratio	Lower	Upper
82	100		
95	9.0	5.8	8.8
138	15.8	10.9	16.3



Instrument :
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ClientSampleId :
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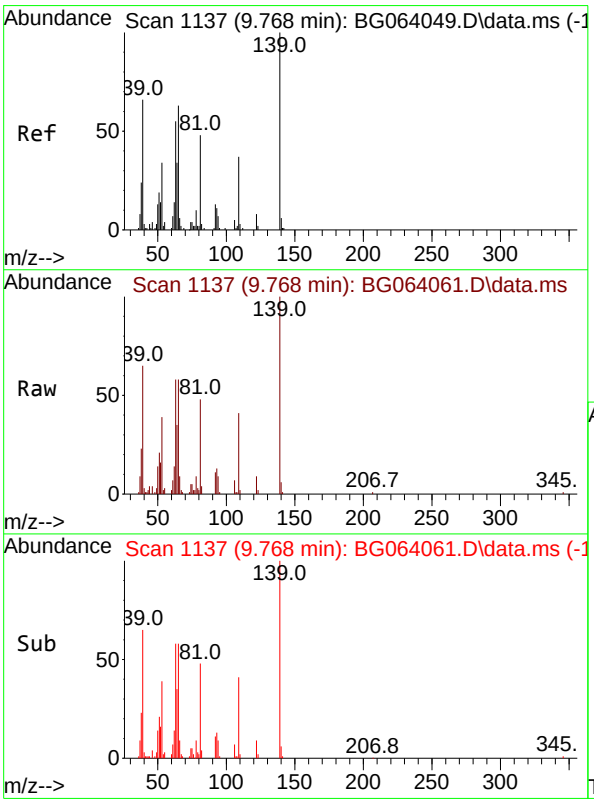
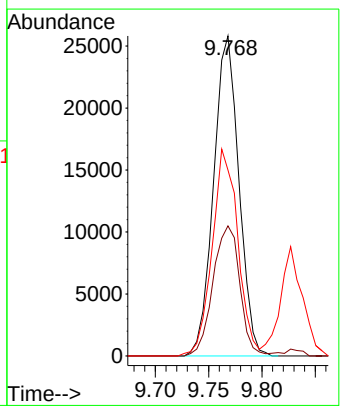
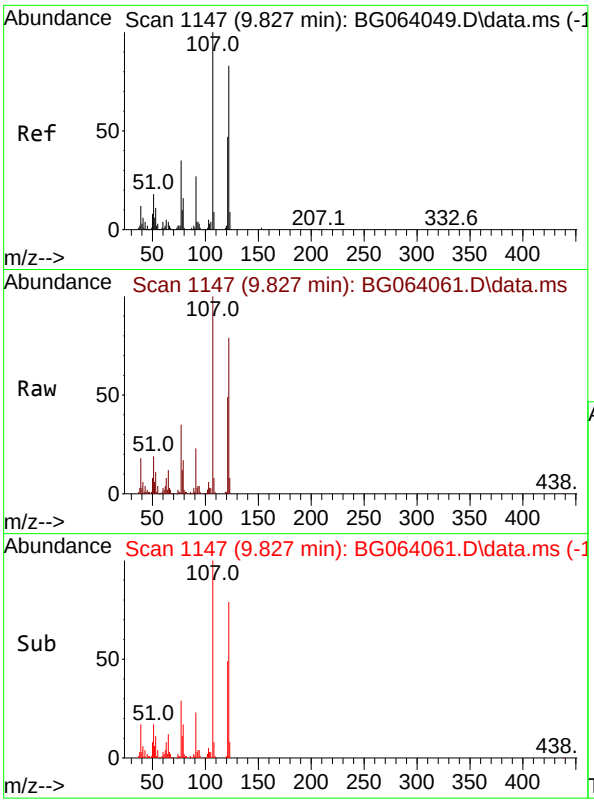


#26
2-Nitrophenol
Concen: 42.082 ng
RT: 9.768 min Scan# 1137
Delta R.T. 0.000 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:139 Resp: 42579

Ion	Ratio	Lower	Upper
139	100		
109	40.6	29.9	44.9
65	58.1	50.6	76.0

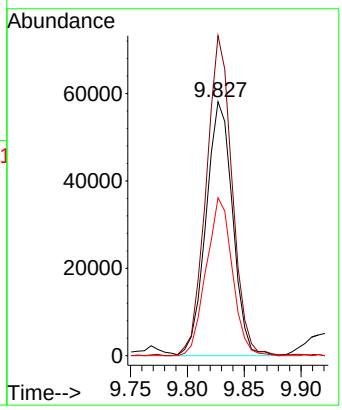




#27
2,4-Dimethylphenol
Concen: 53.884 ng
RT: 9.827 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:122 Resp: 9449

Ion	Ratio	Lower	Upper
122	100		
107	126.0	95.4	143.0
121	62.2	44.9	67.3



Instrument :
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ClientSampleId :
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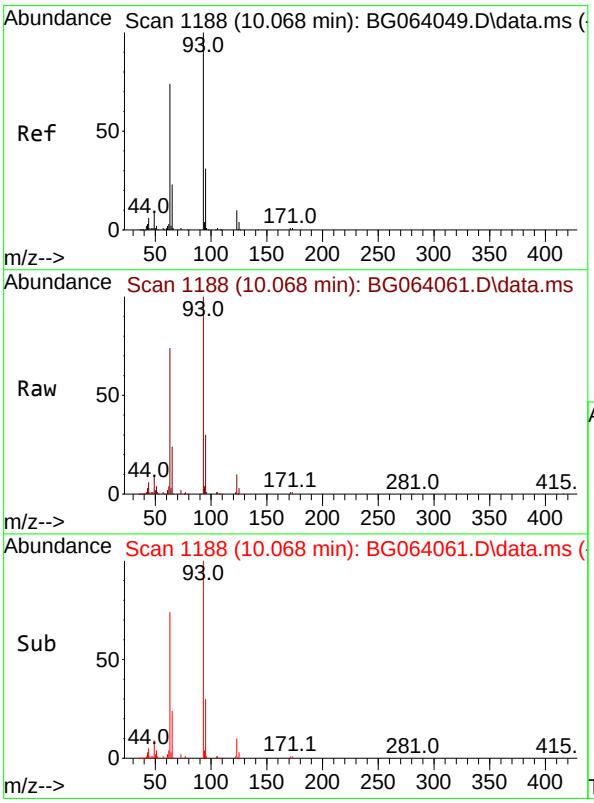
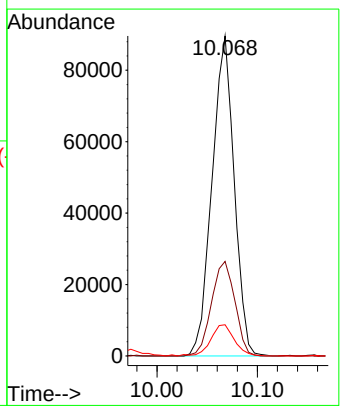
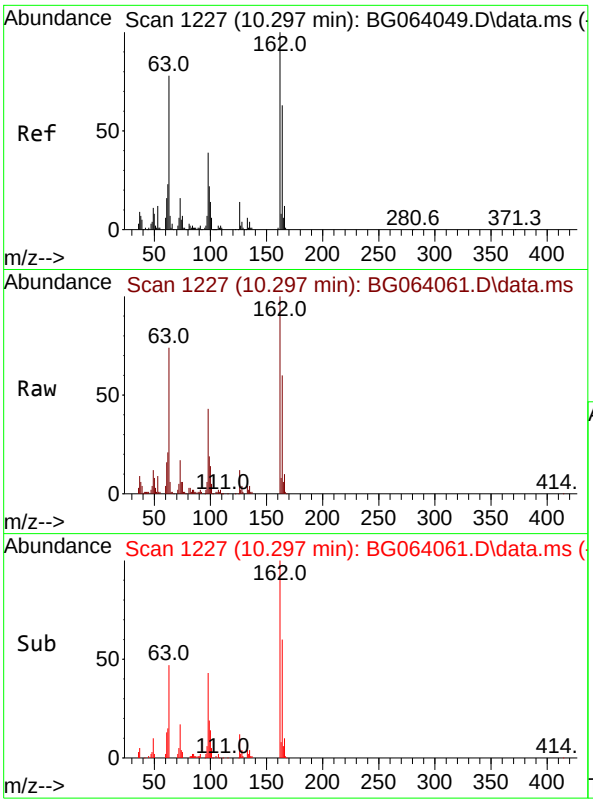


#28
bis(2-Chloroethoxy)methane
Concen: 38.691 ng
RT: 10.068 min Scan# 1188
Delta R.T. -0.000 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion: 93 Resp: 137219

Ion	Ratio	Lower	Upper
93	100		
95	29.5	25.0	37.4
123	9.7	7.6	11.4





#29
2,4-Dichlorophenol
Concen: 43.502 ng
RT: 10.297 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:162 Resp: 9632

Ion	Ratio	Lower	Upper
162	100		
164	60.5	42.8	82.8
98	42.8	19.1	59.1

Instrument :
BNA_G
ClientSampleId :
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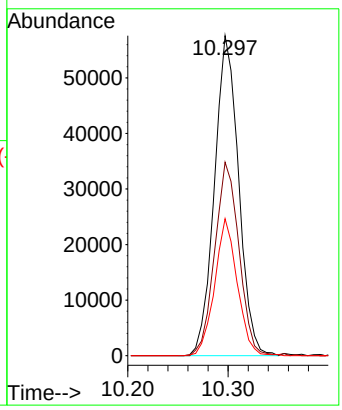
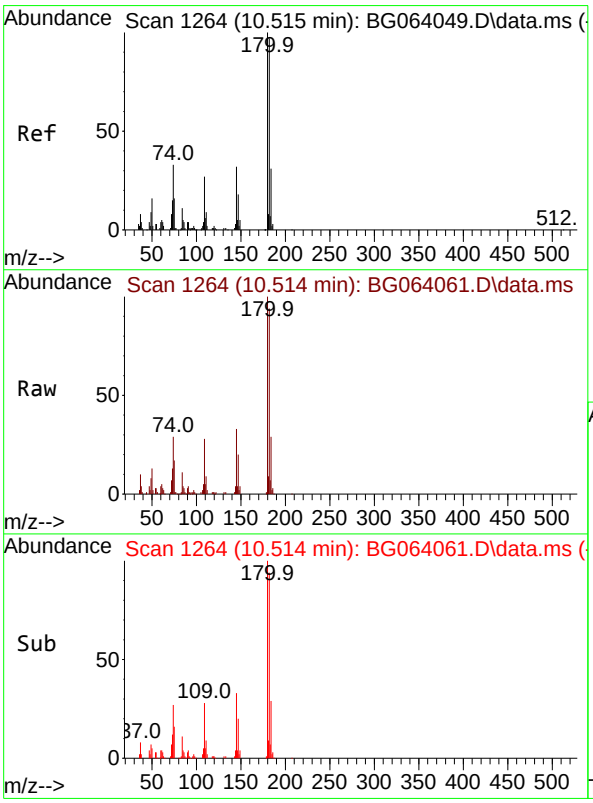
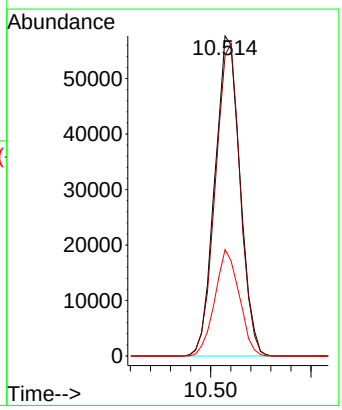


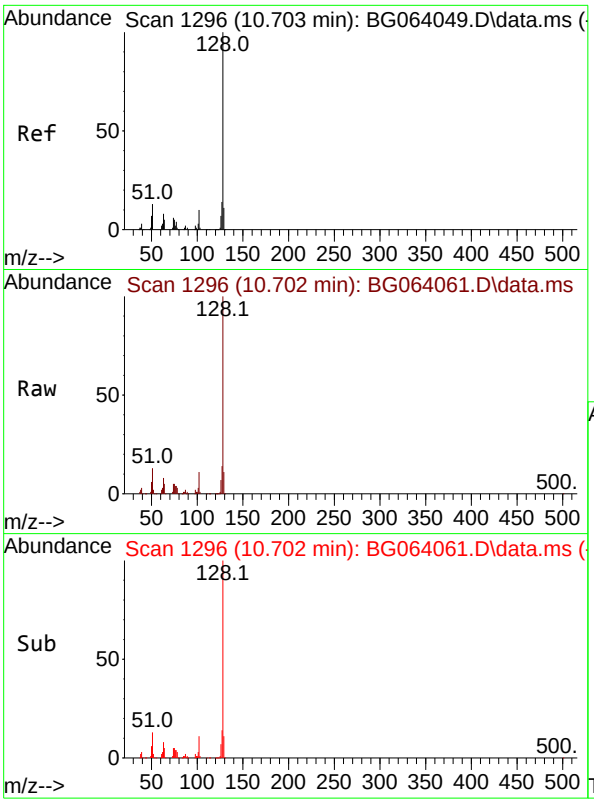


#30
1,2,4-Trichlorobenzene
Concen: 37.531 ng
RT: 10.514 min Scan# 1264
Delta R.T. -0.000 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:180 Resp: 100324

Ion	Ratio	Lower	Upper
180	100		
182	93.9	77.3	115.9
145	33.3	25.2	37.8

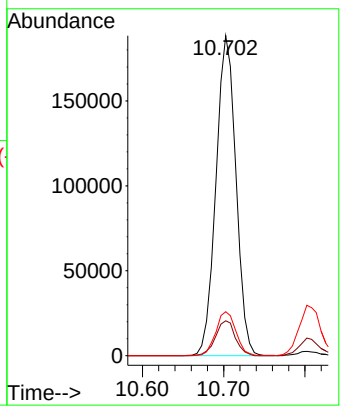




#31
Naphthalene
Concen: 36.992 ng
RT: 10.702 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:128 Resp: 32215

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.4	12.6
127	13.8	11.1	16.7



Instrument :
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ClientSampleId :
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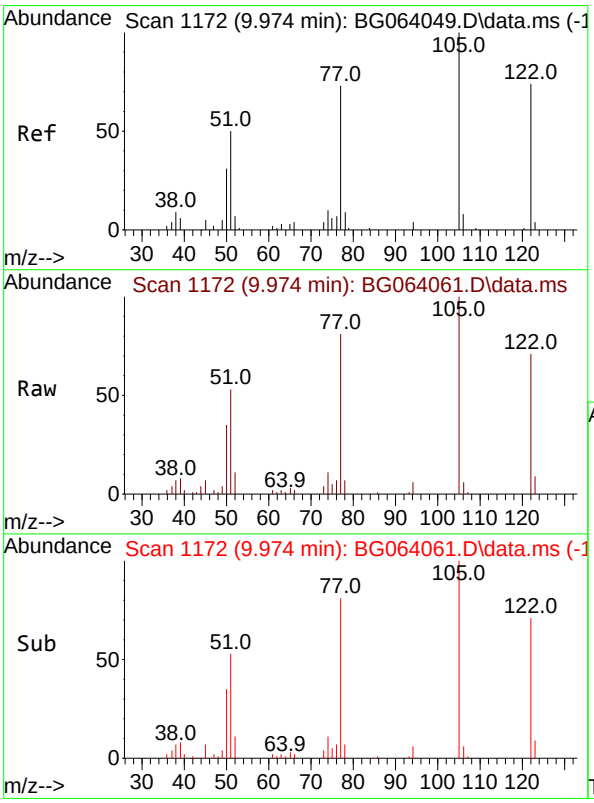
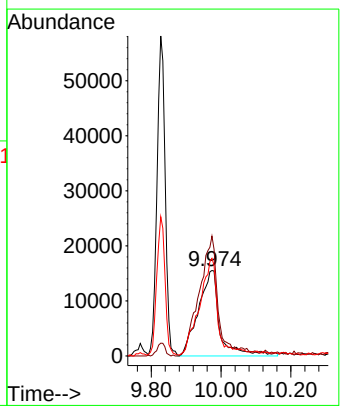
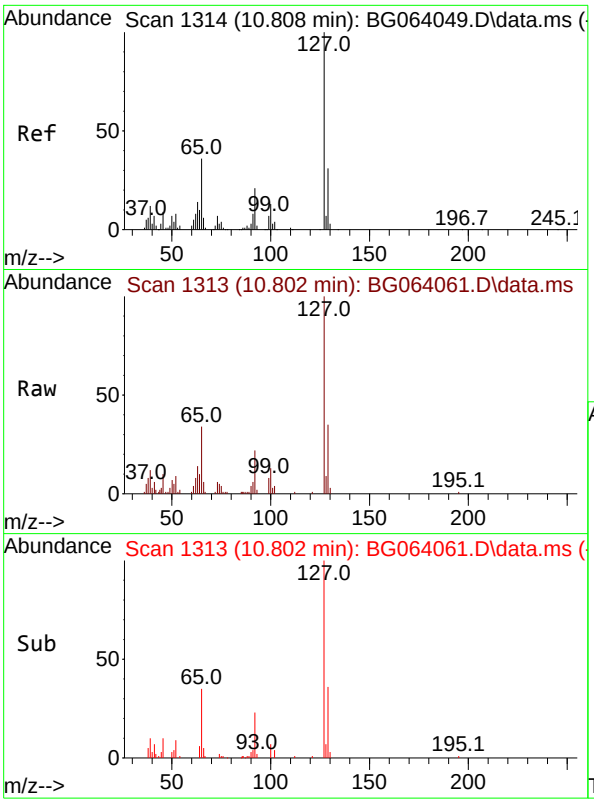


#32
Benzoic acid
Concen: 42.180 ng m
RT: 9.974 min Scan# 1172
Delta R.T. -0.000 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:122 Resp: 65853

Ion	Ratio	Lower	Upper
122	100		
105	140.3	115.0	155.0
77	114.3	80.9	120.9

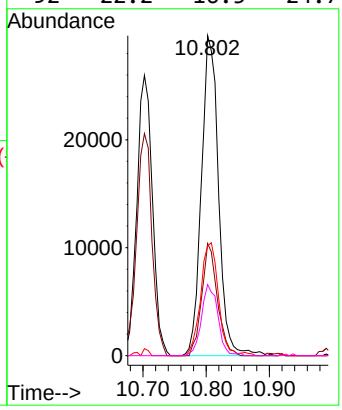




#33
4-Chloroaniline
Concen: 17.503 ng
RT: 10.802 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:127 Resp: 5571

Ion	Ratio	Lower	Upper
127	100		
129	35.1	25.0	37.4
65	34.4	28.5	42.7
92	22.2	16.5	24.7



Instrument :
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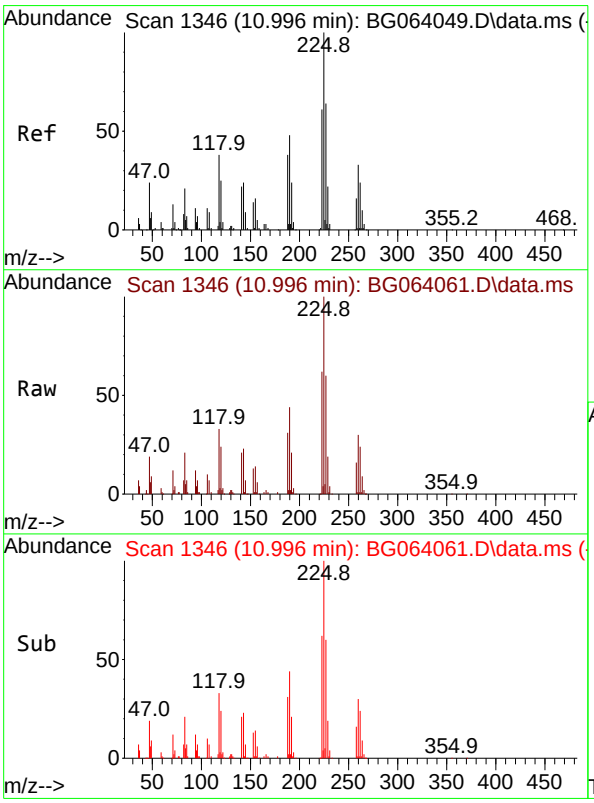
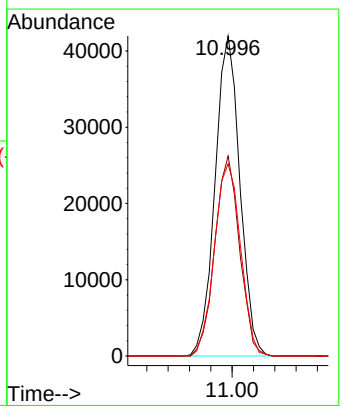
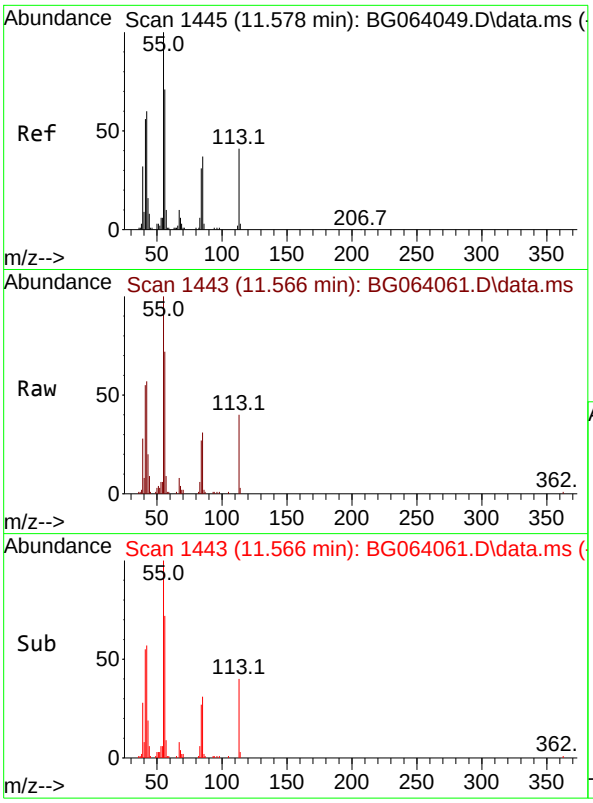


#34
Hexachlorobutadiene
Concen: 38.712 ng
RT: 10.996 min Scan# 1346
Delta R.T. -0.000 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:225 Resp: 67828

Ion	Ratio	Lower	Upper
225	100		
223	62.5	48.5	72.7
227	60.1	51.0	76.6

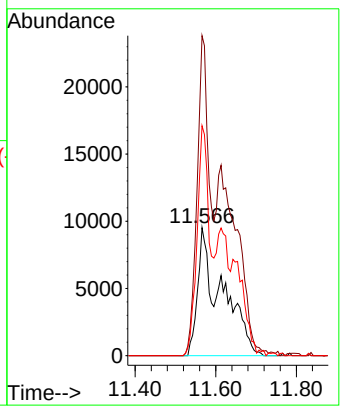




#35
Caprolactam
Concen: 46.605 ng m
RT: 11.566 min Scan# 14
Delta R.T. -0.012 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:113 Resp: 3954

Ion	Ratio	Lower	Upper
113	100		
55	250.1	225.2	265.2
56	179.7	153.4	193.4



Instrument :
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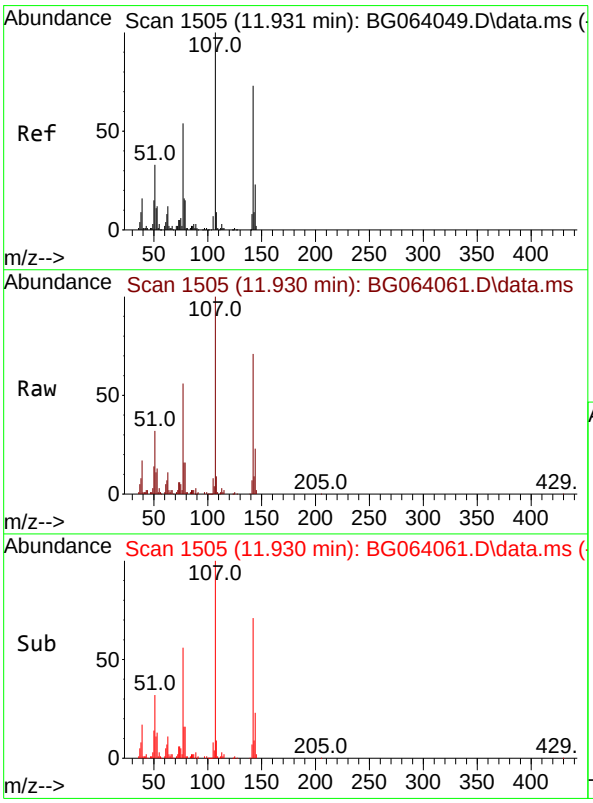
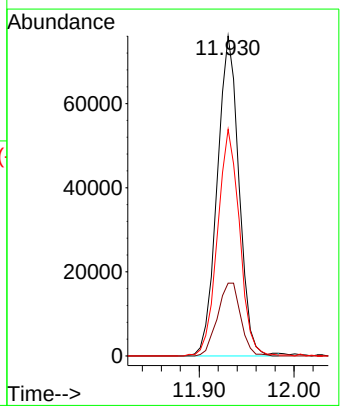
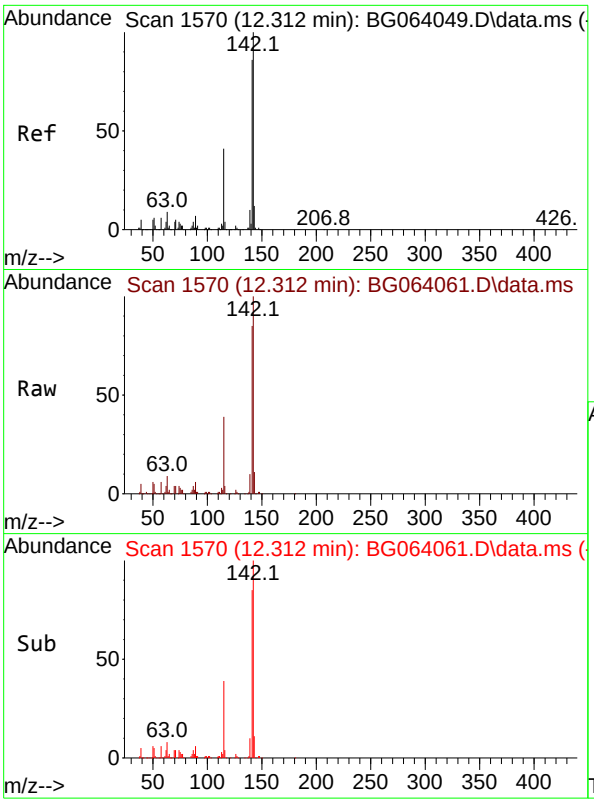


#36
4-Chloro-3-methylphenol
Concen: 41.905 ng
RT: 11.930 min Scan# 1505
Delta R.T. -0.000 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:107 Resp: 121632

Ion	Ratio	Lower	Upper
107	100		
144	22.8	18.6	28.0
142	70.8	58.0	87.0





#37
2-Methylnaphthalene
Concen: 37.407 ng
RT: 12.312 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:142 Resp: 22998

Ion	Ratio	Lower	Upper
142	100		
141	85.1	68.6	103.0
115	39.0	32.8	49.2

Instrument :
BNA_G
ClientSampleId :
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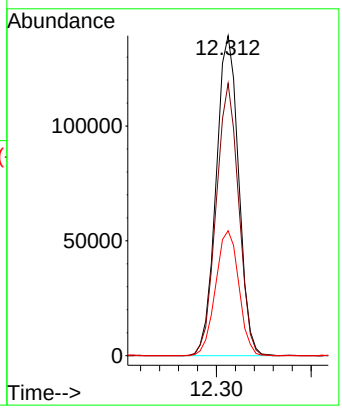
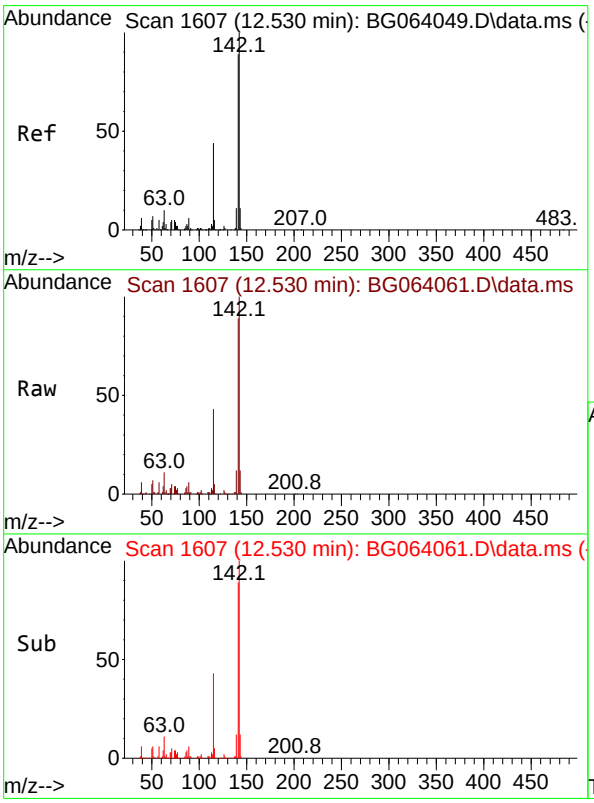
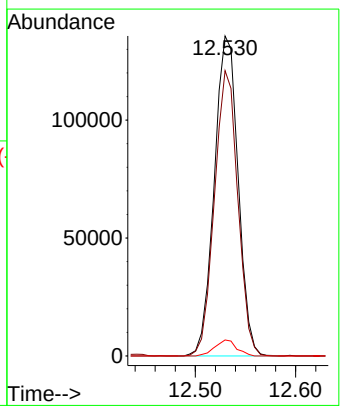


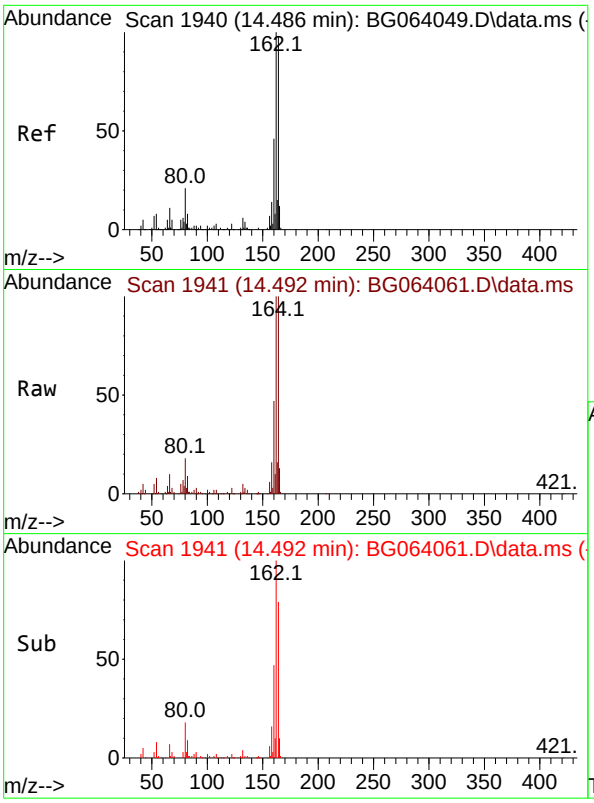


#38
1-Methylnaphthalene
Concen: 37.090 ng
RT: 12.530 min Scan# 1607
Delta R.T. -0.000 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:142 Resp: 223407

Ion	Ratio	Lower	Upper
142	100		
141	89.2	71.2	106.8
116	5.0	3.6	5.4

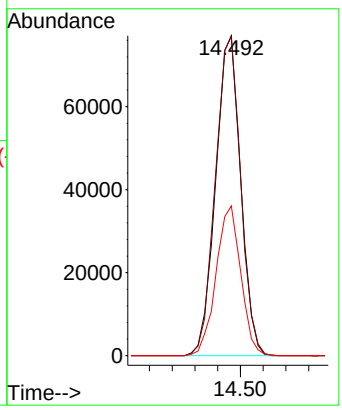




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.492 min Scan# 1
Delta R.T. 0.006 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:164 Resp: 11761

Ion	Ratio	Lower	Upper
164	100		
162	99.7	81.4	122.0
160	46.8	37.0	55.6



Instrument :
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ClientSampleId :
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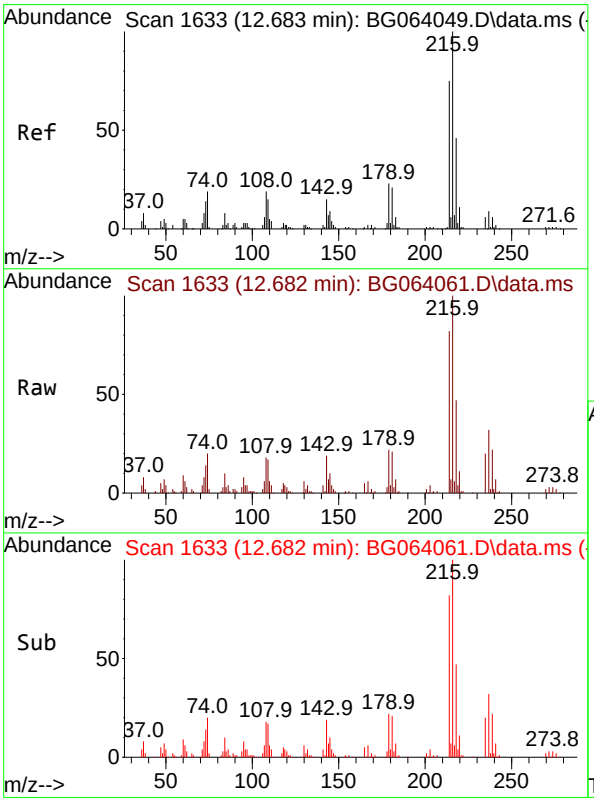
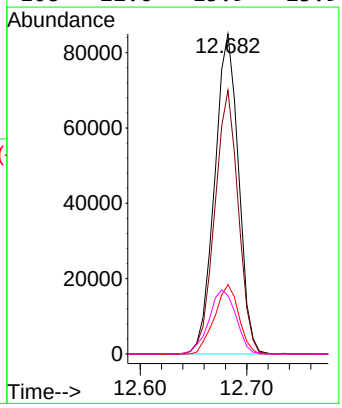
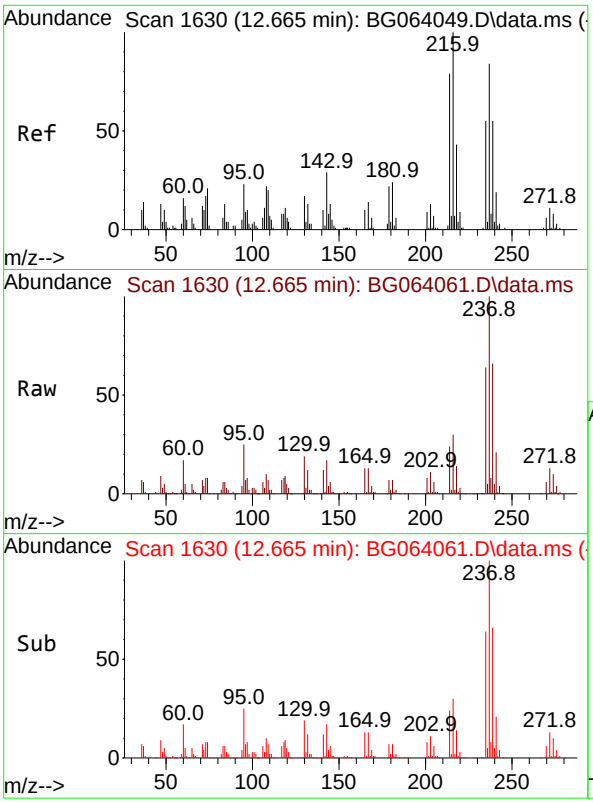


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.424 ng
RT: 12.682 min Scan# 1633
Delta R.T. -0.000 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:216 Resp: 132377

Ion	Ratio	Lower	Upper
216	100		
214	80.9	61.7	92.5
179	21.9	17.9	26.9
108	22.6	15.9	23.9





#41
Hexachlorocyclopentadiene
Concen: 142.345 ng
RT: 12.665 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Instrument :
BNA_G
ClientSampleId :
PB167027BSD

Tgt Ion:237 Resp: 13452

Ion	Ratio	Lower	Upper
237	100		
235	63.7	46.0	86.0
272	12.7	0.0	32.8

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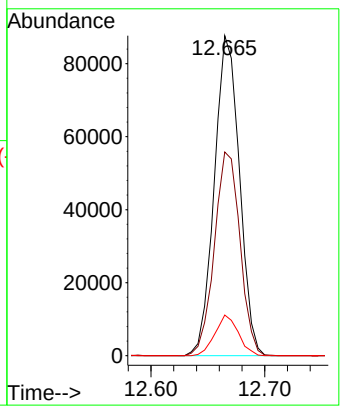
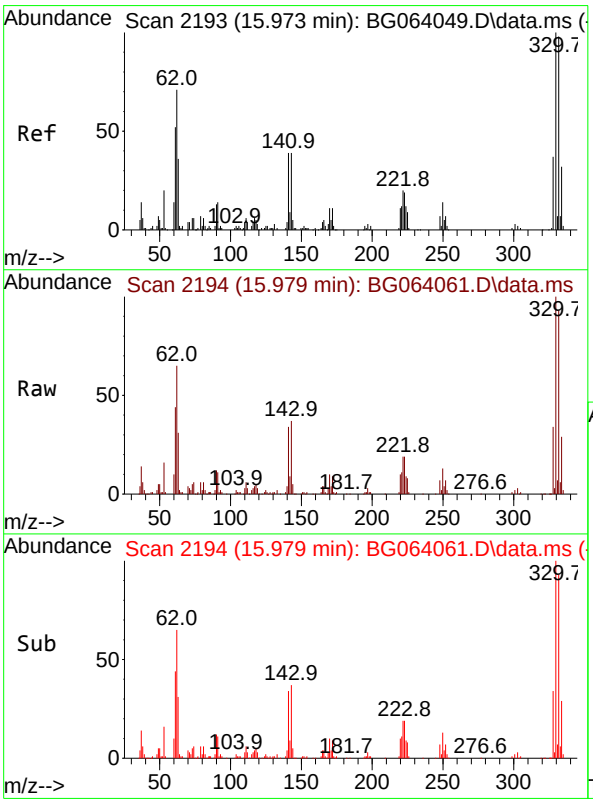
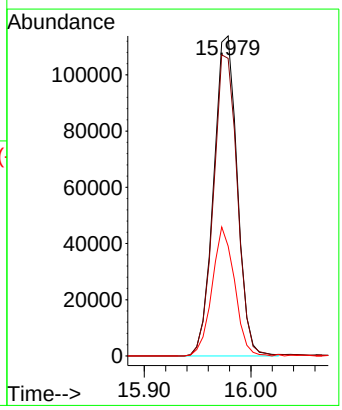


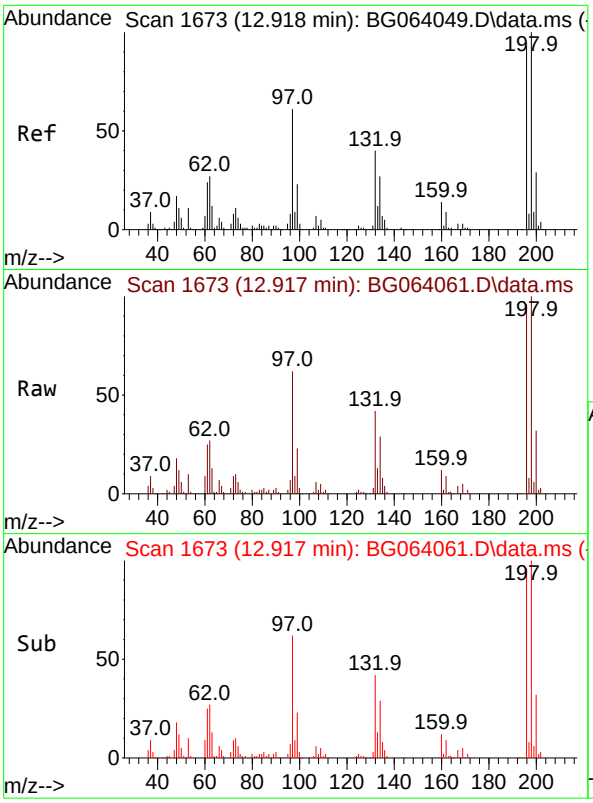


#42
2,4,6-Tribromophenol
Concen: 133.615 ng
RT: 15.979 min Scan# 2194
Delta R.T. 0.006 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:330 Resp: 174683

Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.7	115.1
141	38.4	29.7	44.5

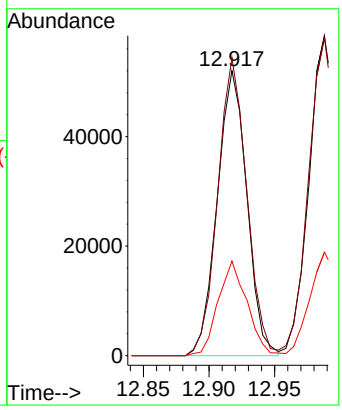




#43
2,4,6-Trichlorophenol
Concen: 41.230 ng
RT: 12.917 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:196 Resp: 8159

Ion	Ratio	Lower	Upper
196	100		
198	104.5	85.6	128.4
200	33.2	24.6	37.0



Instrument :
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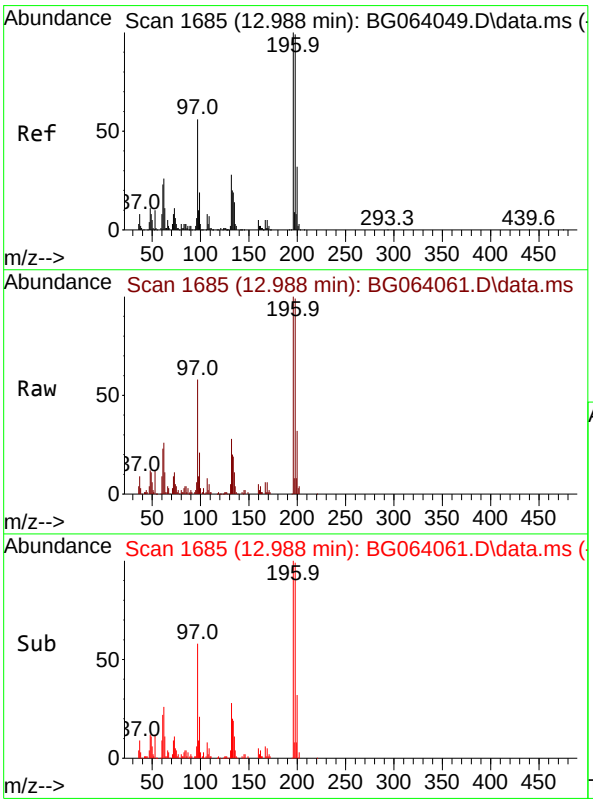
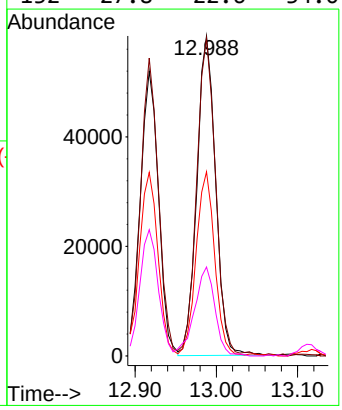
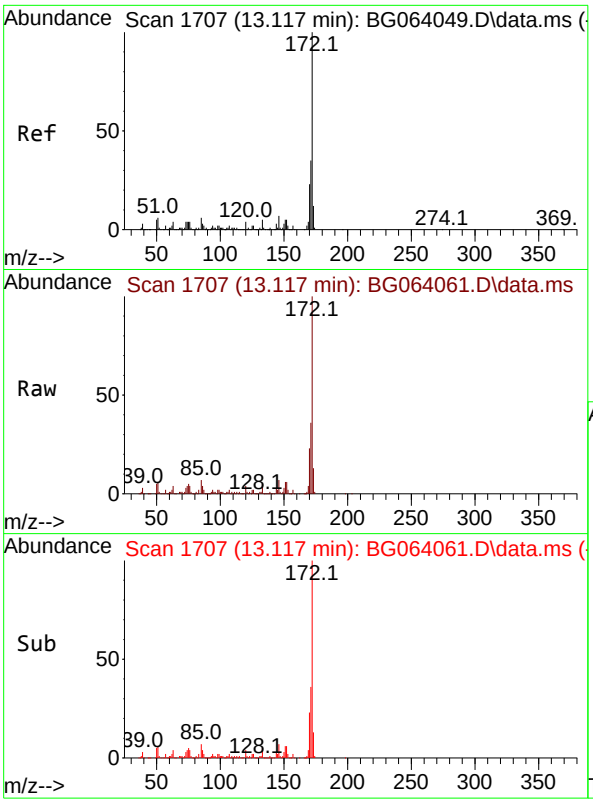


#44
2,4,5-Trichlorophenol
Concen: 42.568 ng
RT: 12.988 min Scan# 1685
Delta R.T. -0.000 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:196 Resp: 93603

Ion	Ratio	Lower	Upper
196	100		
198	99.3	79.5	119.3
97	57.6	45.2	67.8
132	27.8	22.6	34.0

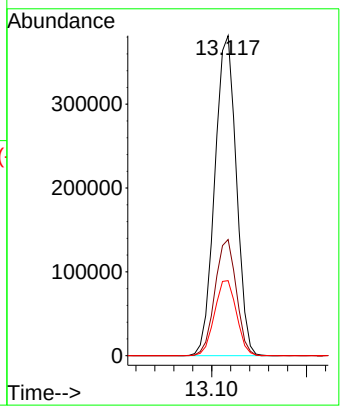




#45
2-Fluorobiphenyl
Concen: 77.692 ng
RT: 13.117 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:172 Resp: 60200

Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.0	42.0
170	23.4	18.7	28.1



Instrument :
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ClientSampleId :
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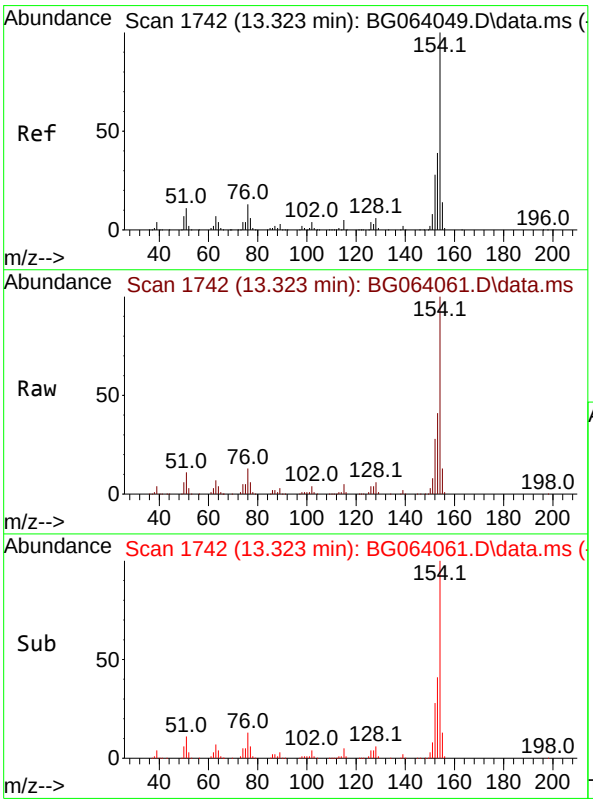
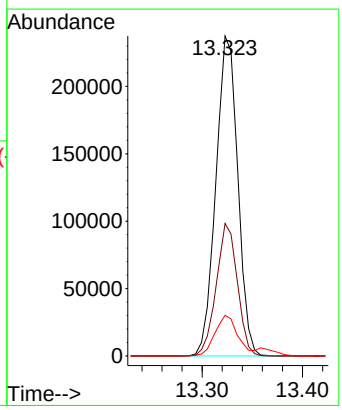
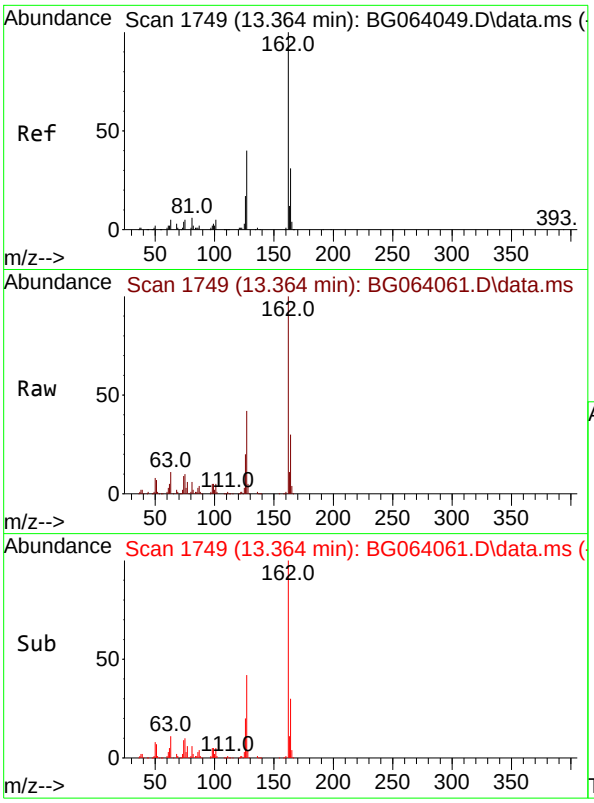


#46
1,1'-Biphenyl
Concen: 40.368 ng
RT: 13.323 min Scan# 1742
Delta R.T. -0.000 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:154 Resp: 358704

Ion	Ratio	Lower	Upper
154	100		
153	41.4	19.5	59.5
76	12.7	0.0	33.5

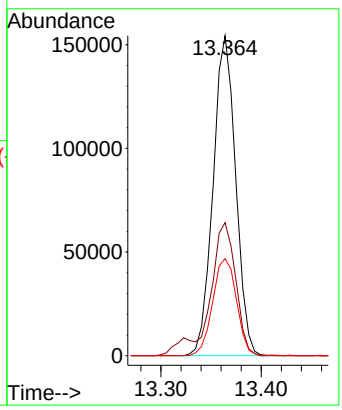




#47
2-Chloronaphthalene
Concen: 37.192 ng
RT: 13.364 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:162 Resp: 24103

Ion	Ratio	Lower	Upper
162	100		
127	41.6	35.0	52.4
164	30.4	25.0	37.6



Instrument :
BNA_G
ClientSampleId :
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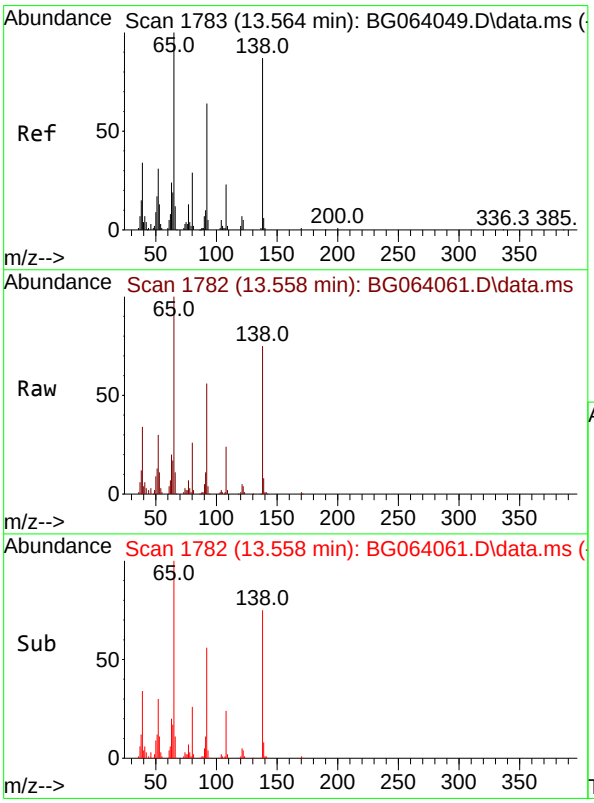
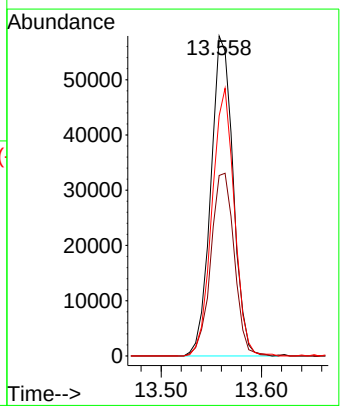
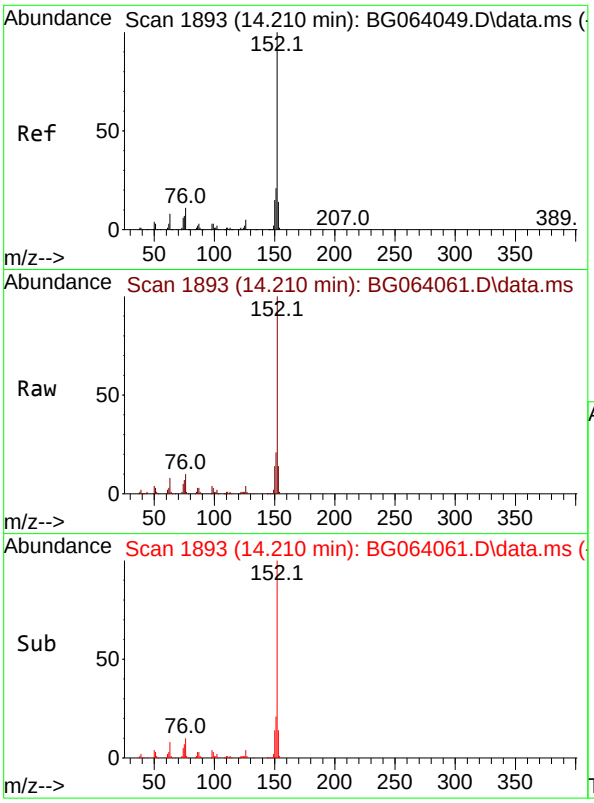


#48
2-Nitroaniline
Concen: 42.583 ng
RT: 13.558 min Scan# 1782
Delta R.T. -0.006 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion: 65 Resp: 89341

Ion	Ratio	Lower	Upper
65	100		
92	56.4	51.2	76.8
138	75.0	69.4	104.2

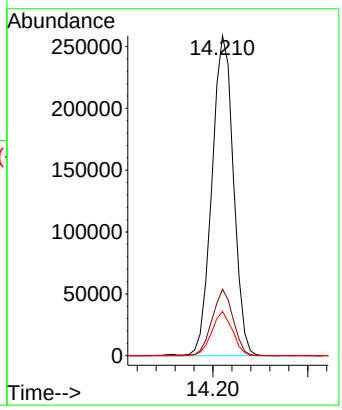




#49
Acenaphthylene
Concen: 39.742 ng
RT: 14.210 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:152 Resp: 40738

Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.4	24.6
153	13.8	10.9	16.3



Instrument :
BNA_G
ClientSampleId :
PB167027BSD

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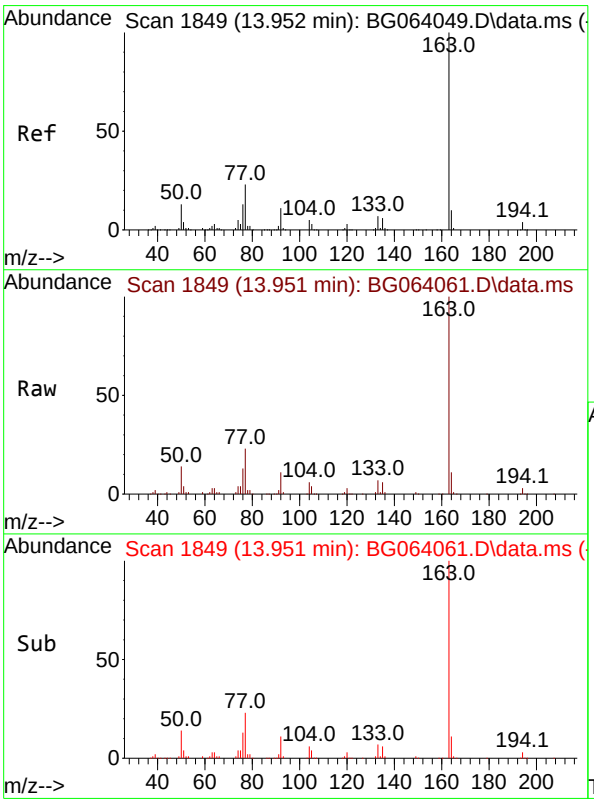
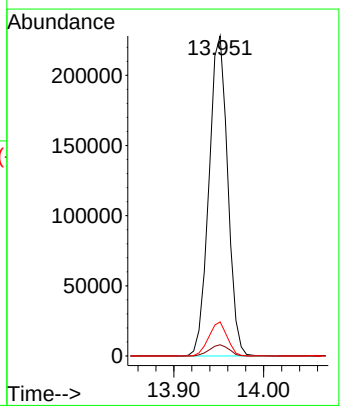
Supervised By :Jagrut Upadhyay 03/10/2025

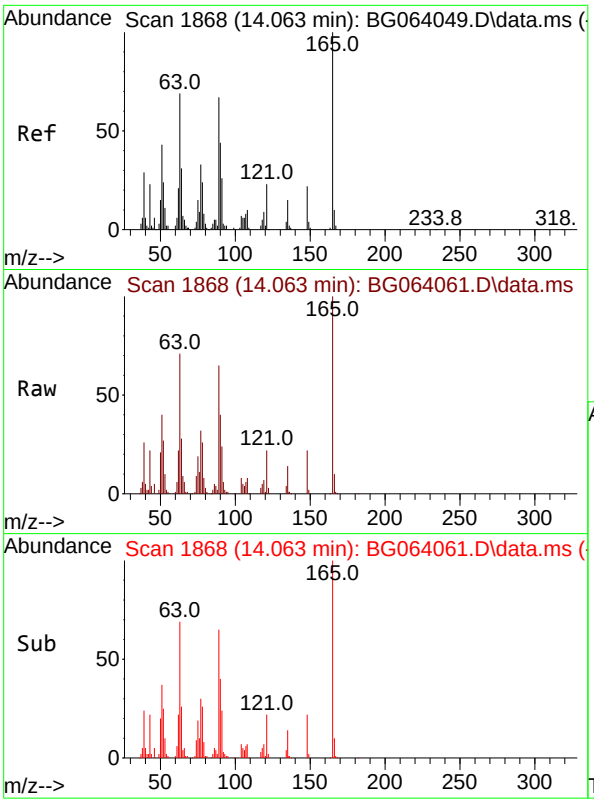


#50
Dimethylphthalate
Concen: 38.097 ng
RT: 13.951 min Scan# 1849
Delta R.T. -0.000 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:163 Resp: 330759

Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.8	4.2
164	10.6	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 38.699 ng
RT: 14.063 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:165 Resp: 6693

Ion	Ratio	Lower	Upper
165	100		
63	70.6	56.7	85.1
89	65.2	53.7	80.5

Instrument :
BNA_G
ClientSampleId :
PB167027BSD

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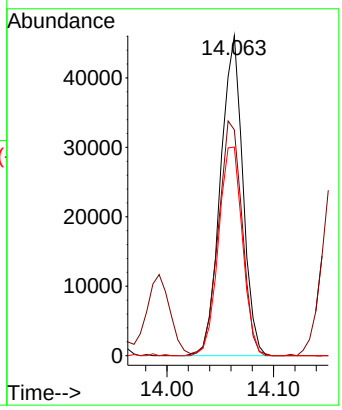
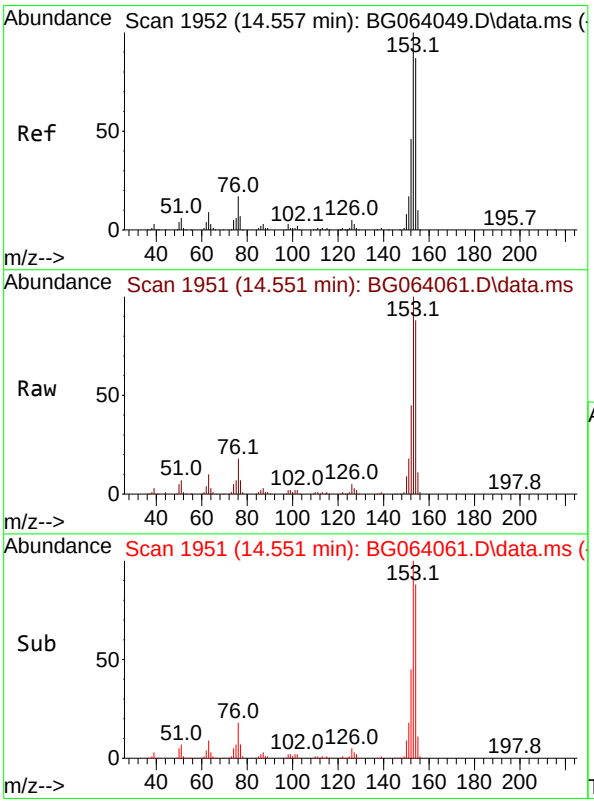
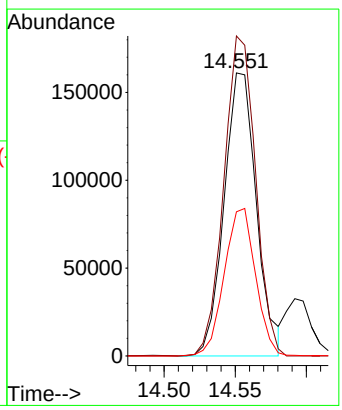


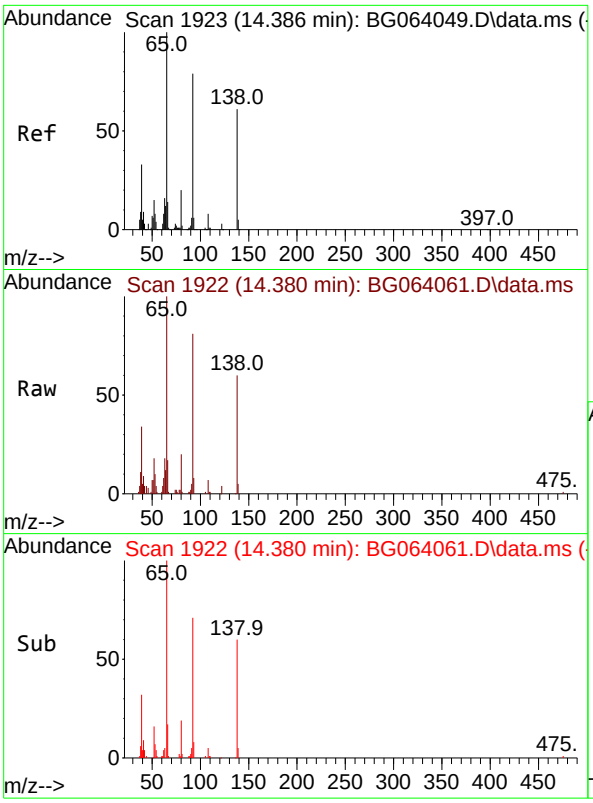


#52
Acenaphthene
Concen: 37.106 ng
RT: 14.551 min Scan# 1951
Delta R.T. -0.006 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:154 Resp: 255264

Ion	Ratio	Lower	Upper
154	100		
153	113.1	91.6	137.4
152	51.0	42.5	63.7





#53
3-Nitroaniline
Concen: 22.673 ng
RT: 14.380 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:138 Resp: 3804

Ion	Ratio	Lower	Upper
138	100		
108	10.9	10.1	15.1
92	136.1	104.1	156.1

Instrument :
BNA_G
ClientSampleId :
PB167027BSD

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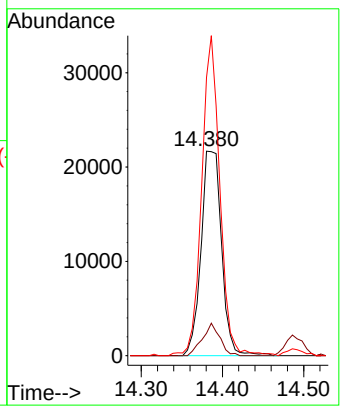
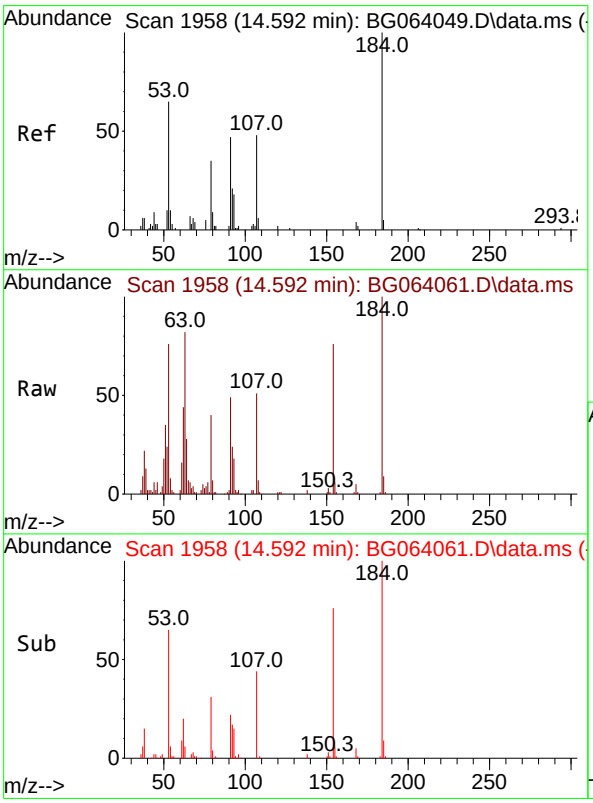
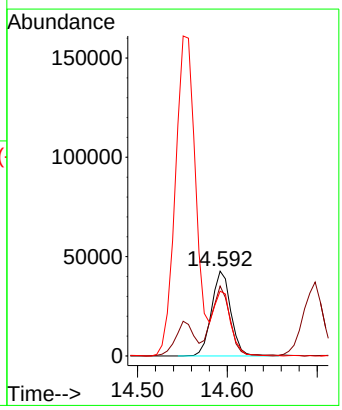


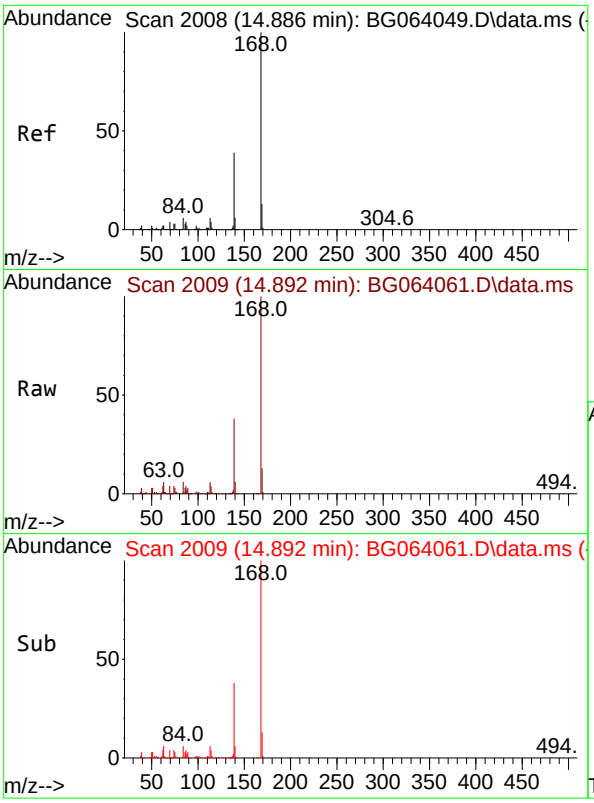


#54
2,4-Dinitrophenol
Concen: 85.963 ng
RT: 14.592 min Scan# 1958
Delta R.T. -0.000 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:184 Resp: 63607

Ion	Ratio	Lower	Upper
184	100		
63	82.5	57.5	86.3
154	76.3	52.3	78.5





#55
Dibenzofuran
Concen: 35.914 ng
RT: 14.892 min Scan# 2
Delta R.T. 0.006 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:168 Resp: 40024

Ion	Ratio	Lower	Upper
168	100		
139	38.4	31.1	46.7
169	12.9	10.5	15.7

Instrument :
BNA_G
ClientSampleId :
PB167027BSD

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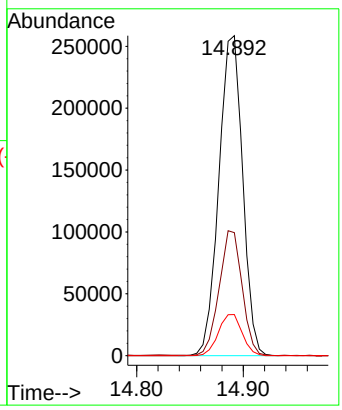
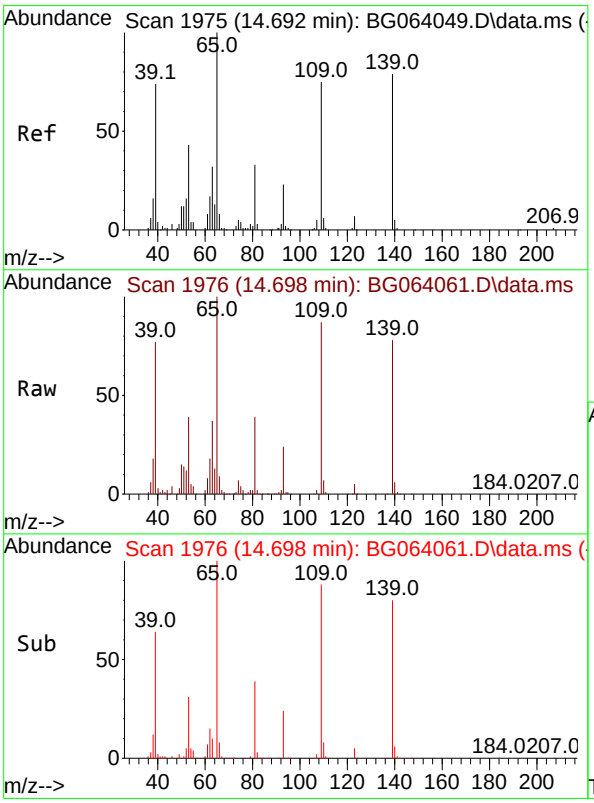
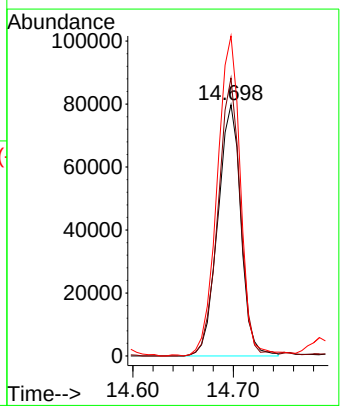


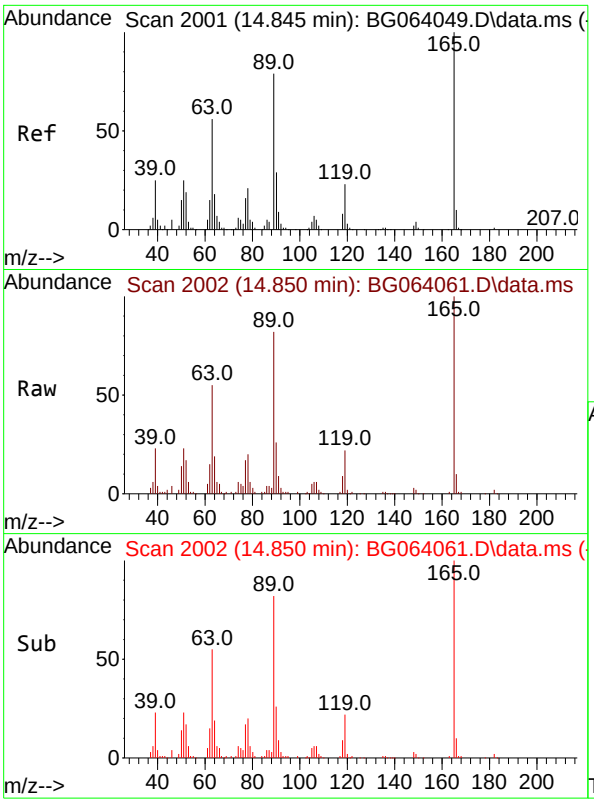


#56
4-Nitrophenol
Concen: 90.416 ng
RT: 14.698 min Scan# 1976
Delta R.T. 0.006 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:139 Resp: 127240

Ion	Ratio	Lower	Upper
139	100		
109	110.6	74.9	114.9
65	127.4	106.8	146.8

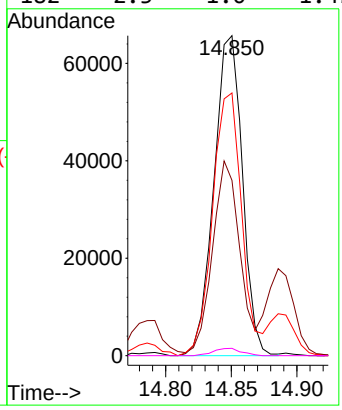




#57
2,4-Dinitrotoluene
Concen: 41.304 ng
RT: 14.850 min Scan# 2
Delta R.T. 0.005 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:165 Resp: 9904

Ion	Ratio	Lower	Upper
165	100		
63	54.8	45.0	67.6
89	82.1	63.1	94.7
182	2.3	1.0	1.4#



Instrument :
BNA_G
ClientSampleId :
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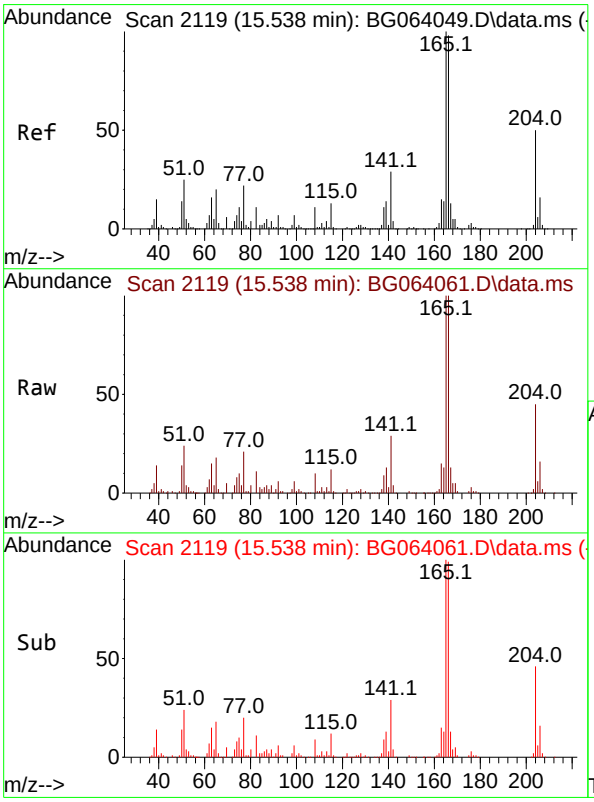
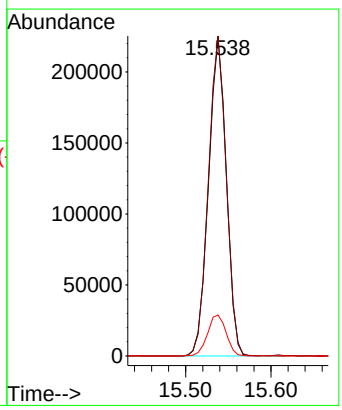
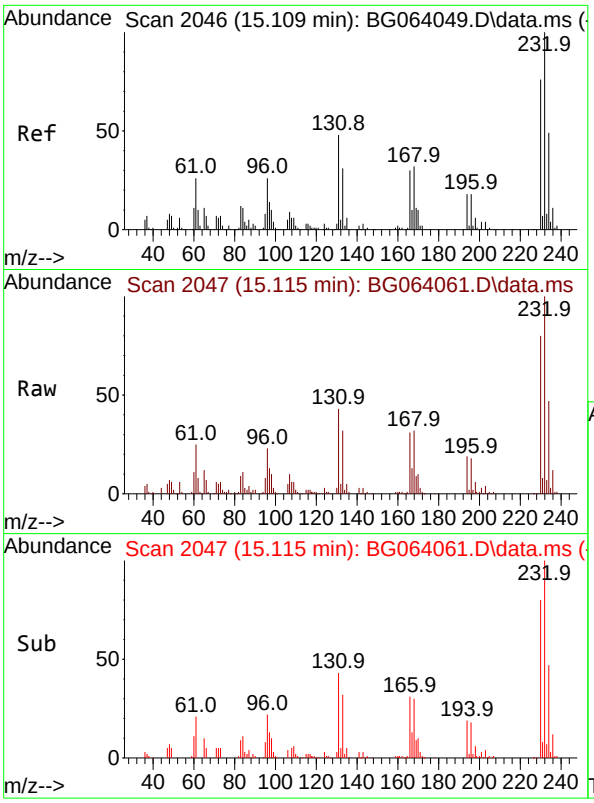


#58
Fluorene
Concen: 37.595 ng
RT: 15.538 min Scan# 2119
Delta R.T. -0.000 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:166 Resp: 326324

Ion	Ratio	Lower	Upper
166	100		
165	100.5	81.8	122.8
167	12.9	10.8	16.2





#59
2,3,4,6-Tetrachlorophenol
Concen: 42.595 ng
RT: 15.115 min Scan# 2
Delta R.T. 0.006 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Instrument :
BNA_G
ClientSampleId :
PB167027BSD

Tgt Ion:232 Resp: 9131

Ion	Ratio	Lower	Upper
232	100		
131	46.2	36.3	54.5
130	2.6	1.9	2.9
166	31.4	22.8	34.2

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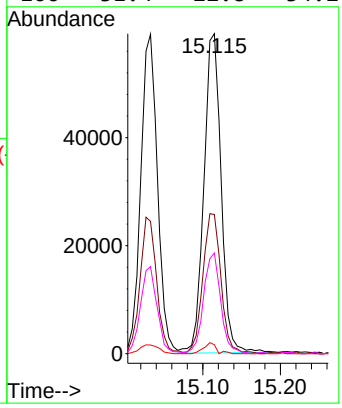
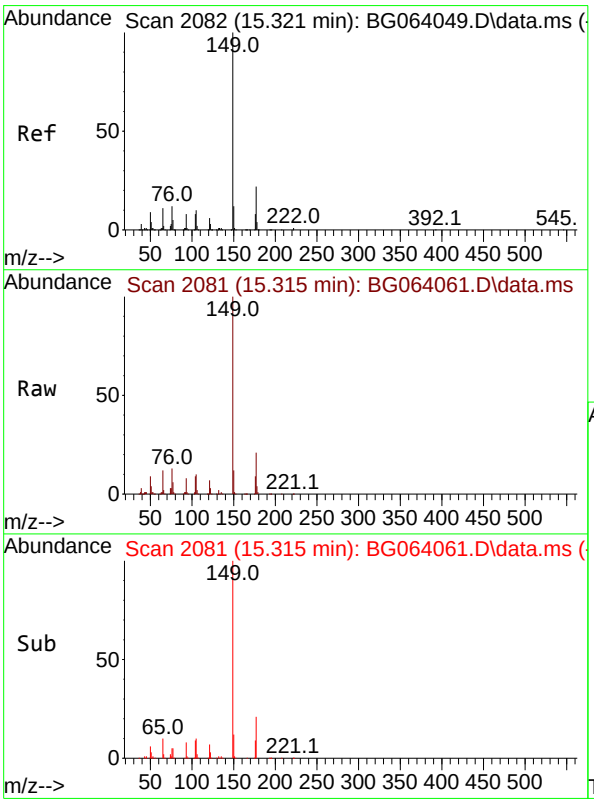
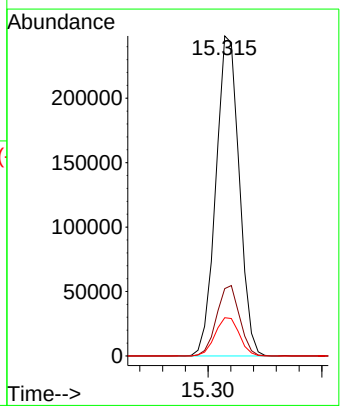


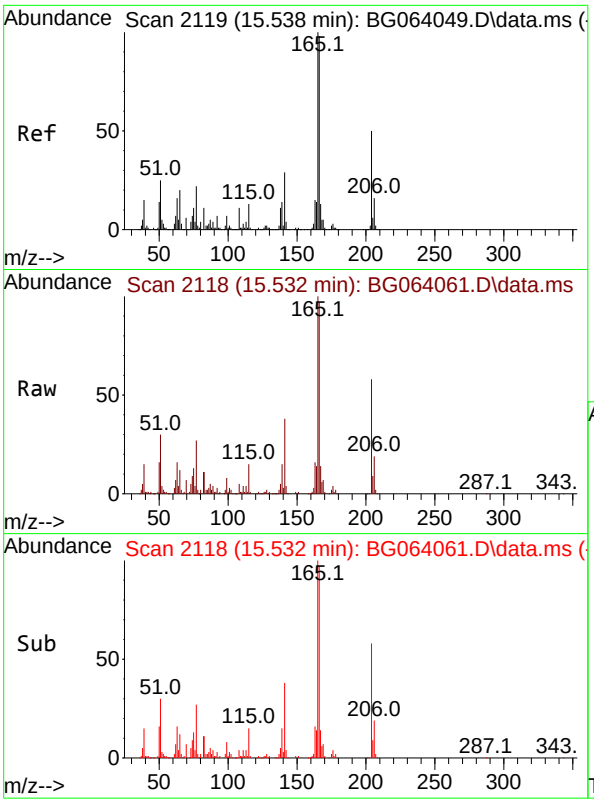


#60
Diethylphthalate
Concen: 37.510 ng
RT: 15.315 min Scan# 2081
Delta R.T. -0.006 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:149 Resp: 353540

Ion	Ratio	Lower	Upper
149	100		
177	21.1	17.4	26.2
150	12.0	9.4	14.2





#61
4-Chlorophenyl-phenylether
Concen: 36.852 ng
RT: 15.532 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Instrument :
BNA_G
ClientSampleId :
PB167027BSD

Tgt Ion:204 Resp: 15895

Ion	Ratio	Lower	Upper
204	100		
206	31.8	25.5	38.3
141	64.3	45.4	68.0

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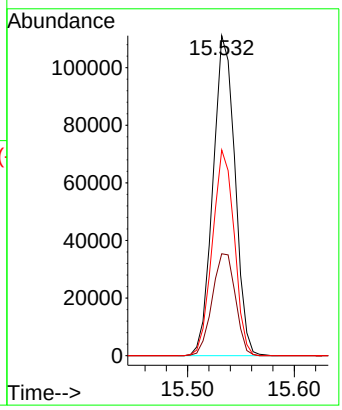
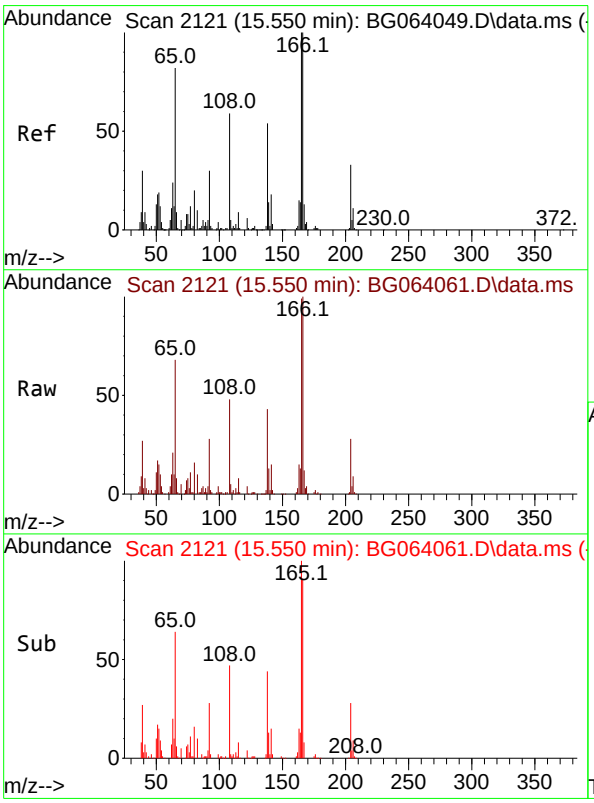
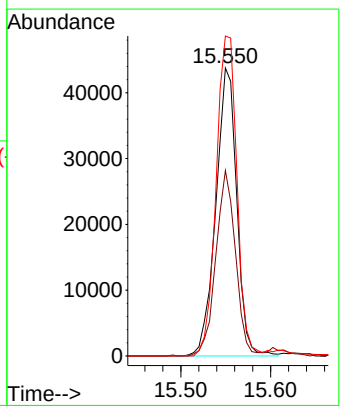


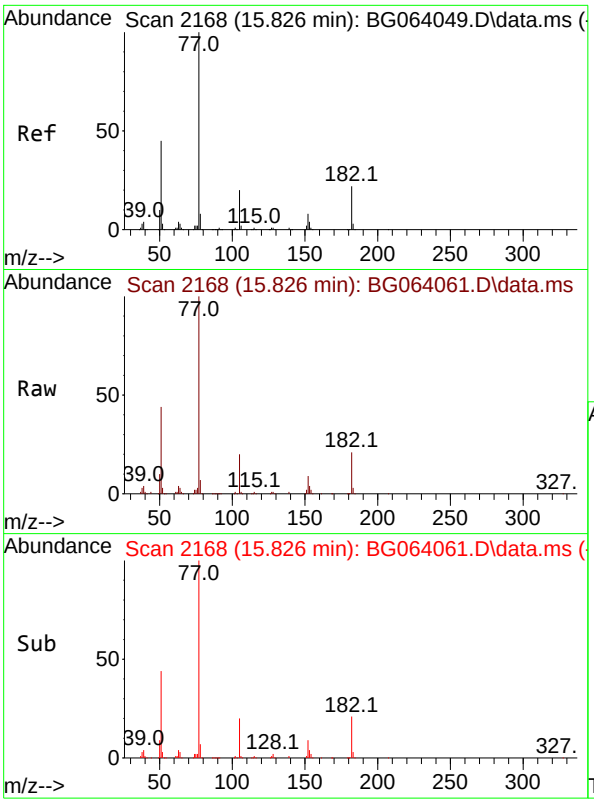


#62
4-Nitroaniline
Concen: 39.114 ng
RT: 15.550 min Scan# 2121
Delta R.T. -0.000 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:138 Resp: 70860

Ion	Ratio	Lower	Upper
138	100		
92	64.4	36.1	76.1
108	111.1	87.9	127.9

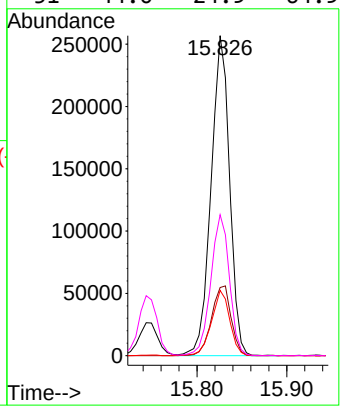




#63
Azobenzene
Concen: 36.582 ng
RT: 15.826 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion: 77 Resp: 36792

Ion	Ratio	Lower	Upper
77	100		
182	21.3	2.4	42.4
105	20.4	0.0	40.0
51	44.0	24.9	64.9



Instrument :
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ClientSampleId :
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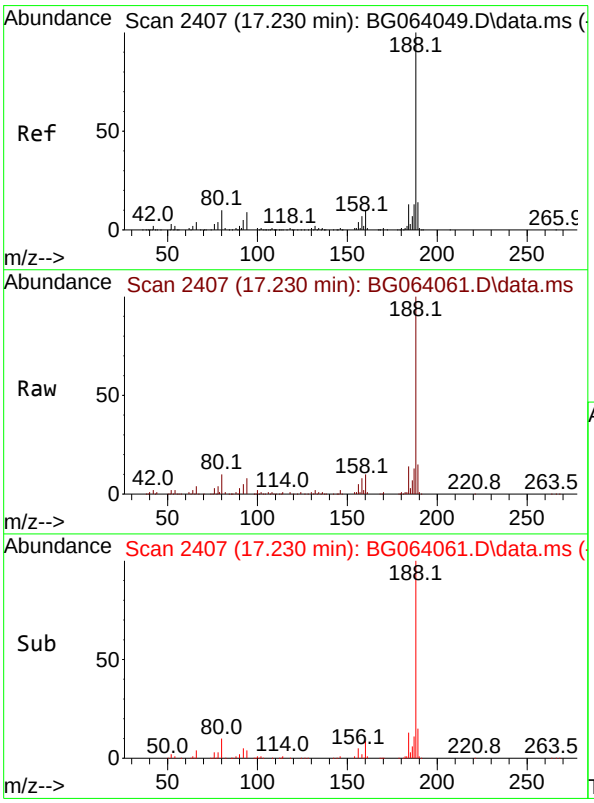
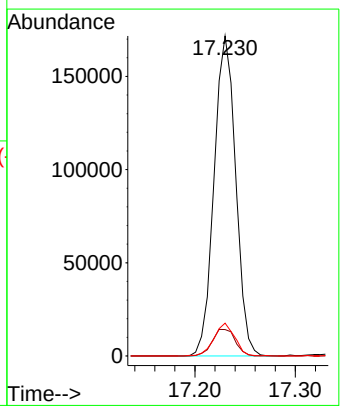
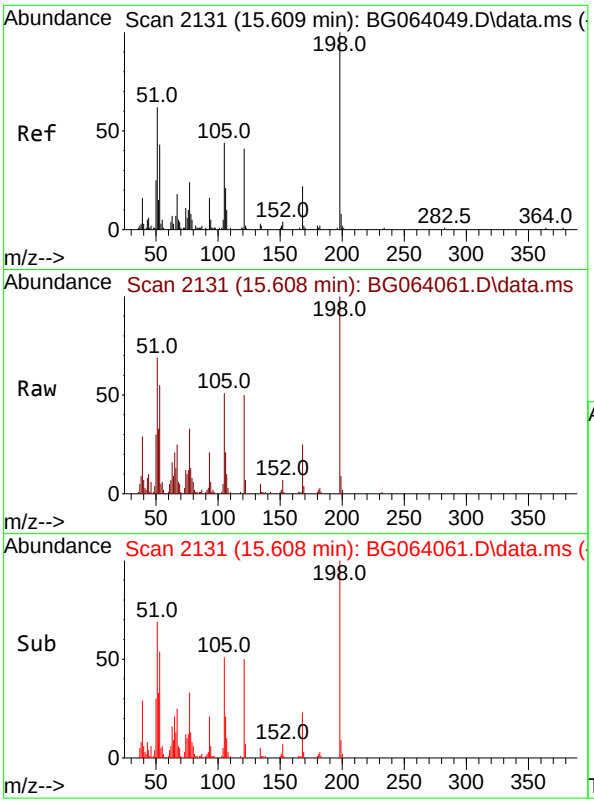


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.230 min Scan# 2407
Delta R.T. 0.000 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:188 Resp: 256688

Ion	Ratio	Lower	Upper
188	100		
94	8.3	6.9	10.3
80	10.2	8.1	12.1





#65
4,6-Dinitro-2-methylphenol
Concen: 42.105 ng
RT: 15.608 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:198 Resp: 4534

Ion	Ratio	Lower	Upper
198	100		
51	68.5	45.6	85.6
105	50.7	25.3	65.3

Instrument :
BNA_G
ClientSampleId :
PB167027BSD

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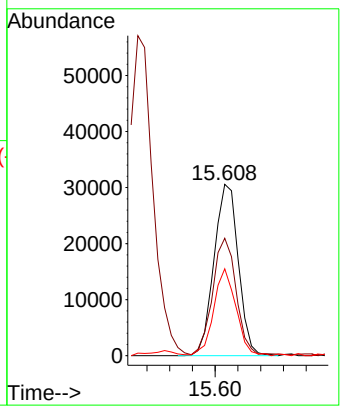
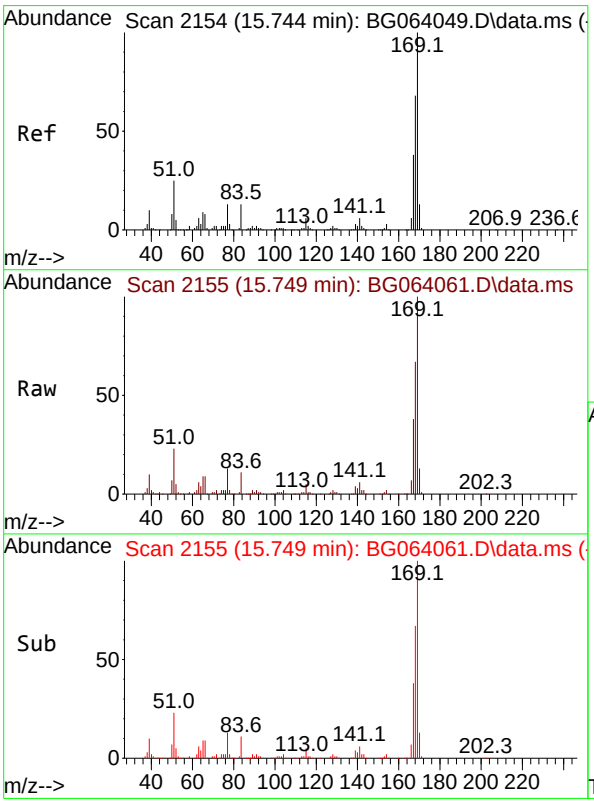
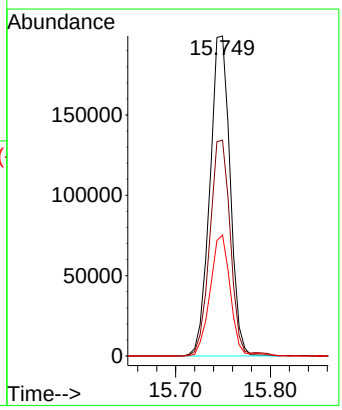


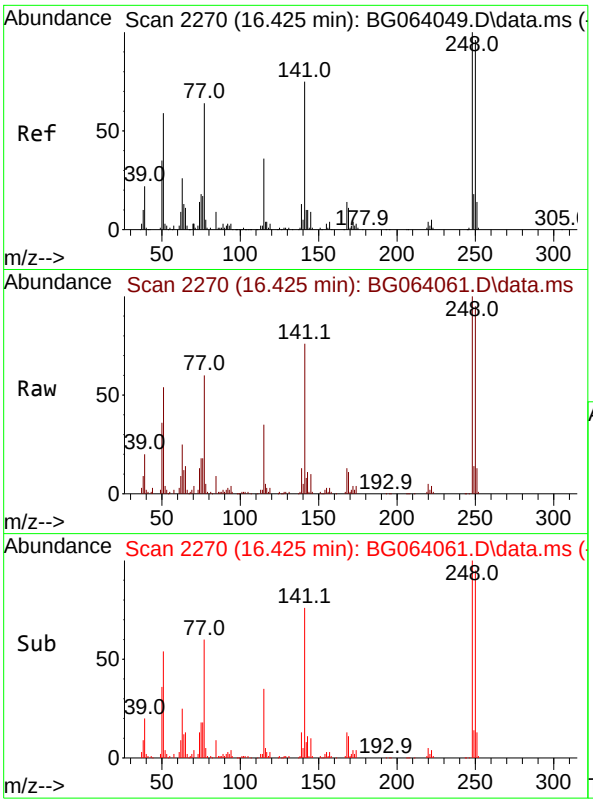


#66
n-Nitrosodiphenylamine
Concen: 40.670 ng
RT: 15.749 min Scan# 2155
Delta R.T. 0.006 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:169 Resp: 295503

Ion	Ratio	Lower	Upper
169	100		
168	67.4	54.1	81.1
167	37.8	30.3	45.5





#67
4-Bromophenyl-phenylether
Concen: 40.376 ng
RT: 16.425 min Scan# 2
Delta R.T. -0.000 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:248 Resp: 10614

Ion	Ratio	Lower	Upper
248	100		
250	95.1	77.1	115.7
141	76.0	59.8	89.8

Instrument :
BNA_G
ClientSampleId :
PB167027BSD

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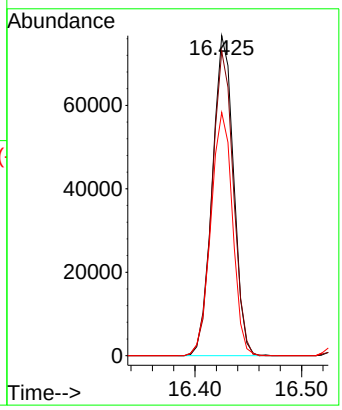
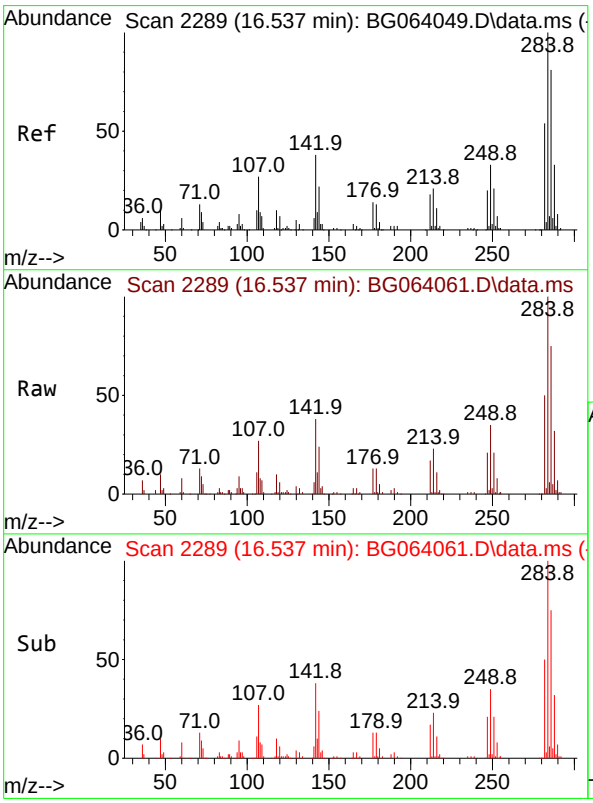
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

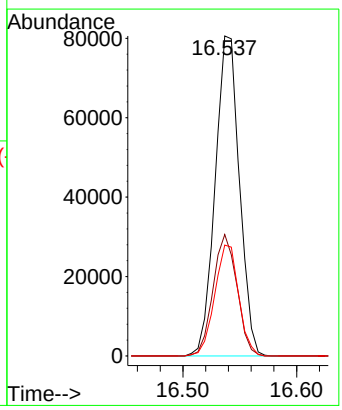


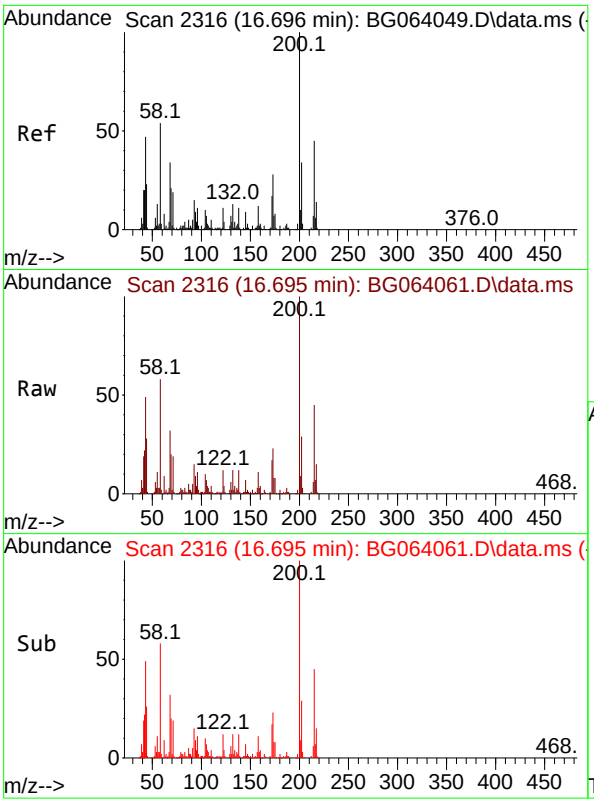


#68
Hexachlorobenzene
Concen: 40.526 ng
RT: 16.537 min Scan# 2289
Delta R.T. -0.000 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:284 Resp: 119277

Ion	Ratio	Lower	Upper
284	100		
142	37.9	30.6	45.8
249	34.6	26.6	39.8

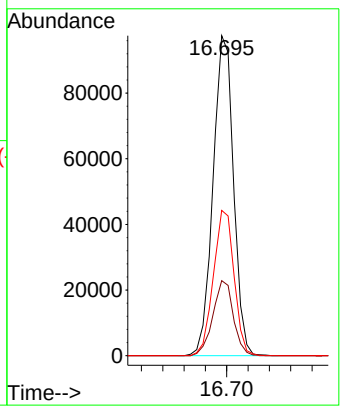




#69
Atrazine
Concen: 60.525 ng
RT: 16.695 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:200 Resp: 12939

Ion	Ratio	Lower	Upper
200	100		
173	23.4	8.2	48.2
215	45.4	25.5	65.5



Instrument :
BNA_G
ClientSampleId :
PB167027BSD

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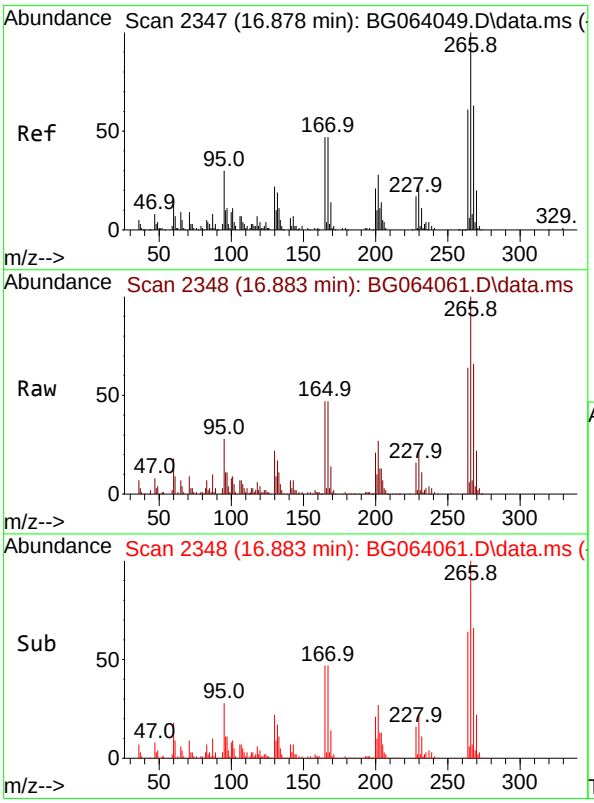
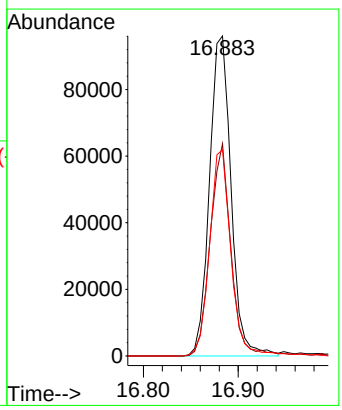
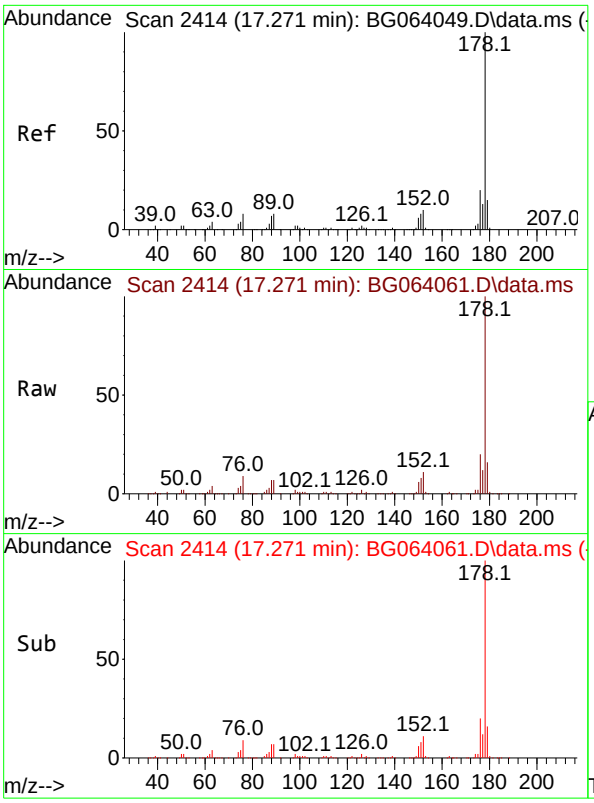


#70
Pentachlorophenol
Concen: 83.037 ng
RT: 16.883 min Scan# 2348
Delta R.T. 0.005 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:266 Resp: 151745

Ion	Ratio	Lower	Upper
266	100		
268	66.3	50.2	75.4
264	64.4	48.9	73.3





#71
Phenanthrene
Concen: 40.093 ng
RT: 17.271 min Scan# 24
Delta R.T. -0.000 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:178 Resp: 548919

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.9	23.9
179	15.7	12.2	18.2

Instrument :
BNA_G
ClientSampleId :
PB167027BSD

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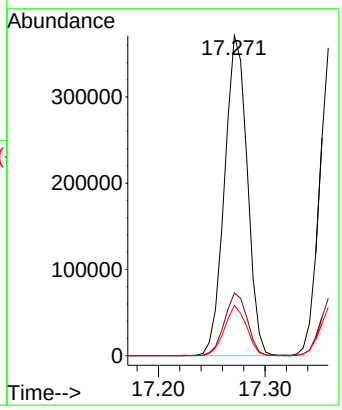
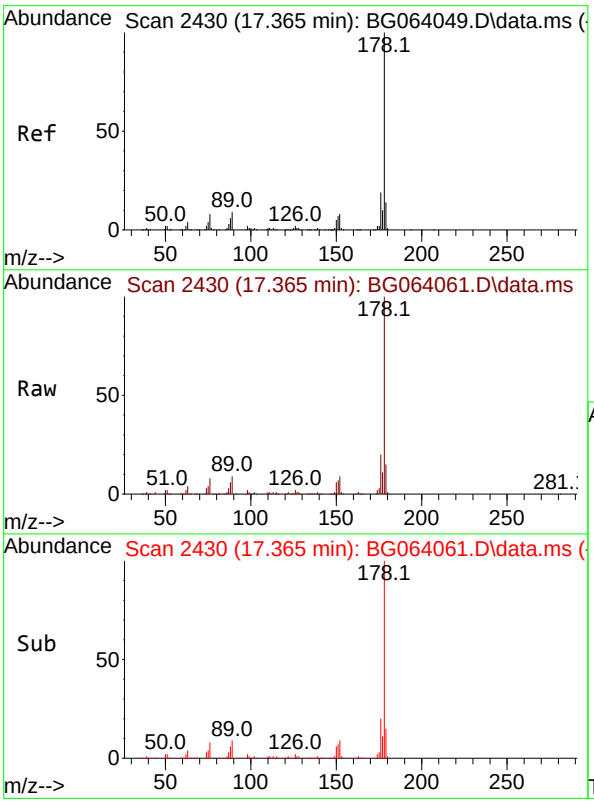
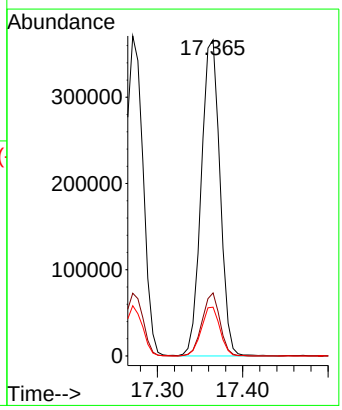


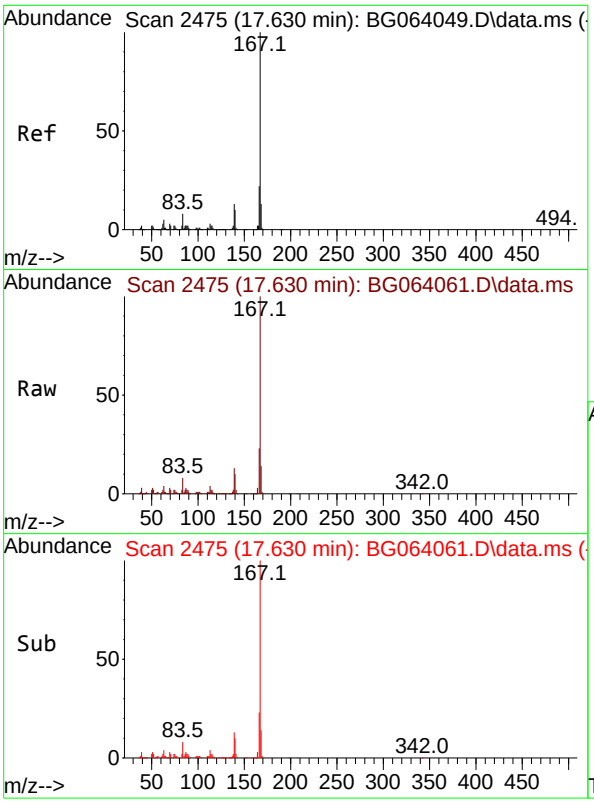


#72
Anthracene
Concen: 41.069 ng
RT: 17.365 min Scan# 2430
Delta R.T. -0.000 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:178 Resp: 559114

Ion	Ratio	Lower	Upper
178	100		
176	20.0	14.8	22.2
179	15.4	11.5	17.3

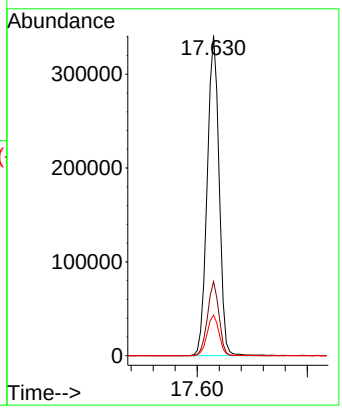




#73
Carbazole
Concen: 40.231 ng
RT: 17.630 min Scan# 24
Delta R.T. -0.000 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:167 Resp: 51137

Ion	Ratio	Lower	Upper
167	100		
166	23.2	18.0	27.0
139	12.7	10.6	15.8



Instrument :
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ClientSampleId :
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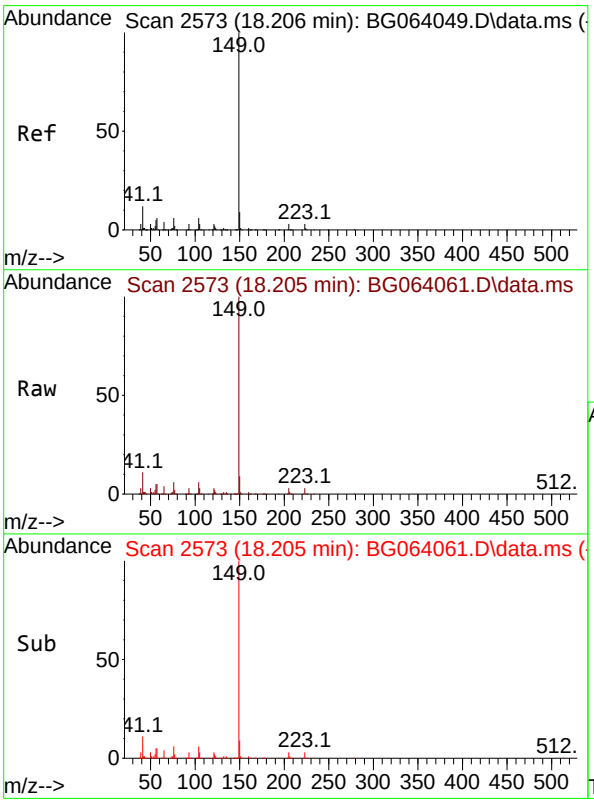
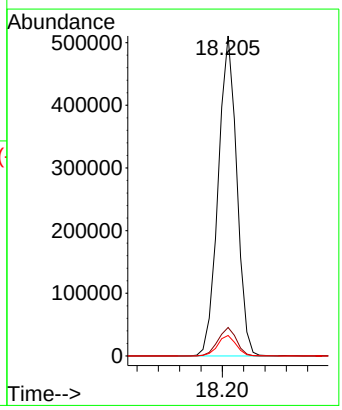
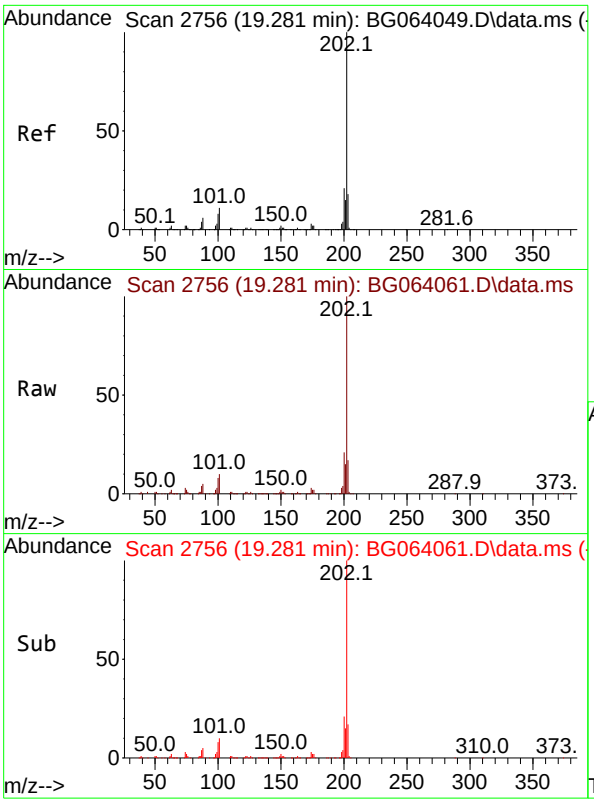


#74
Di-n-butylphthalate
Concen: 41.217 ng
RT: 18.205 min Scan# 2573
Delta R.T. -0.000 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:149 Resp: 616679

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.4	11.0
104	6.4	5.0	7.6

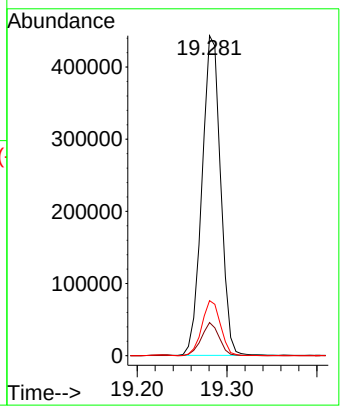




#75
Fluoranthene
Concen: 38.571 ng
RT: 19.281 min Scan# 2
Delta R.T. -0.000 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:202 Resp: 63664

Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	30.5
203	17.2	0.0	38.3



Instrument :
BNA_G
ClientSampleId :
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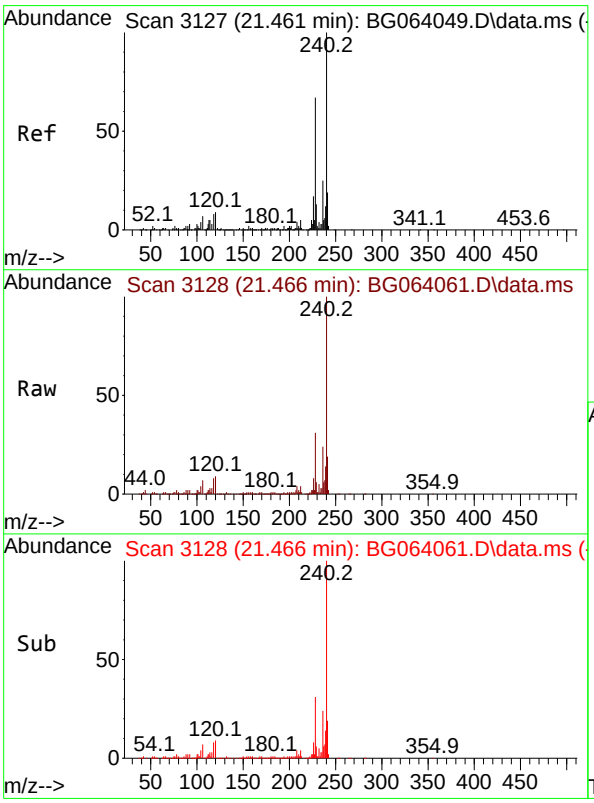
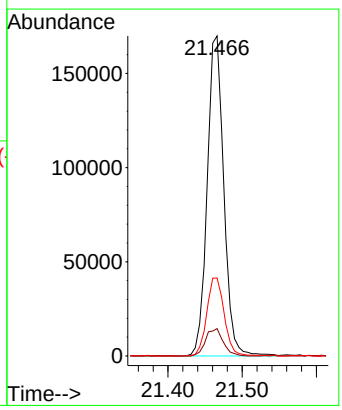
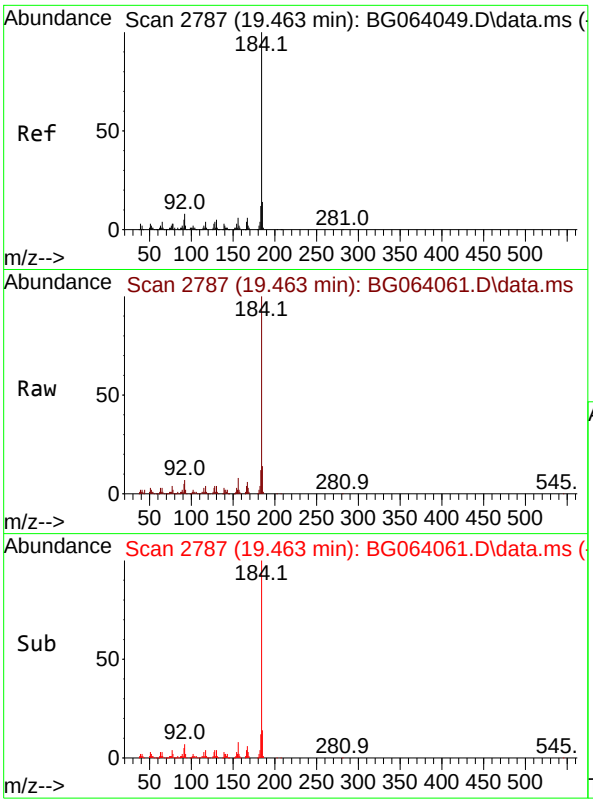


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.466 min Scan# 3128
Delta R.T. 0.006 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:240 Resp: 264113

Ion	Ratio	Lower	Upper
240	100		
120	8.6	7.2	10.8
236	24.3	20.2	30.2

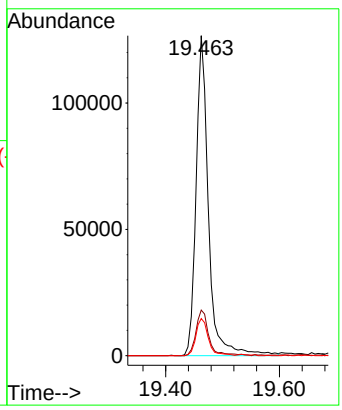




#77
Benzidine
Concen: 52.503 ng
RT: 19.463 min Scan# 2
Delta R.T. -0.000 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:184 Resp: 19201

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.3	16.9
183	11.6	9.5	14.3



Instrument :
BNA_G
ClientSampleId :
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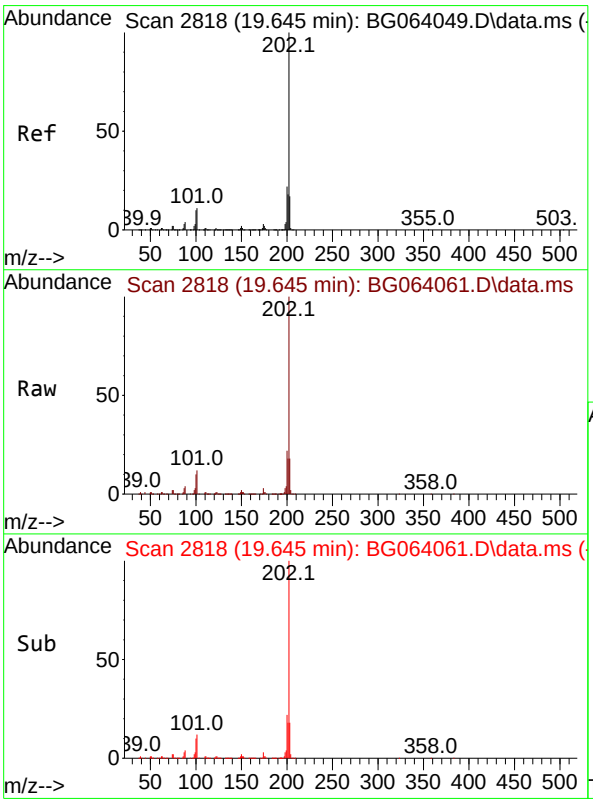
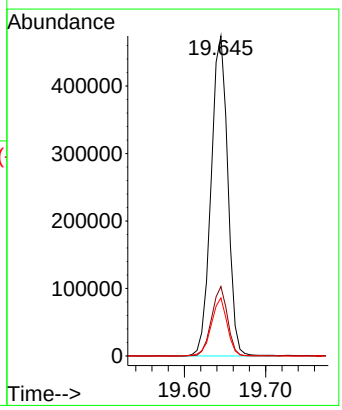
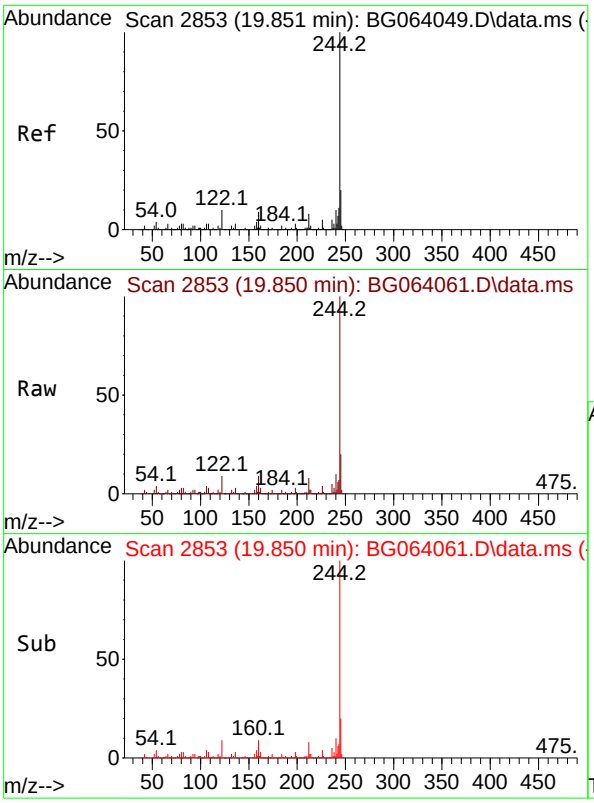


#78
Pyrene
Concen: 39.713 ng
RT: 19.645 min Scan# 2818
Delta R.T. -0.000 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:202 Resp: 676122

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.3	25.9
203	18.1	13.6	20.4

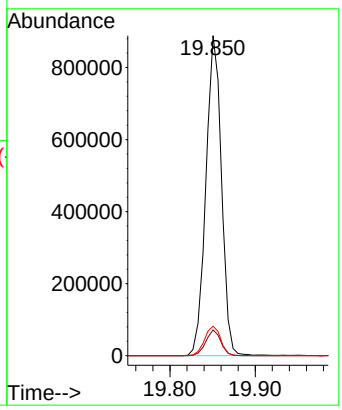




#79
Terphenyl-d14
Concen: 86.321 ng
RT: 19.850 min Scan# 2
Delta R.T. -0.000 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:244 Resp: 112752

Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.2	9.4
122	9.2	8.0	12.0



Instrument :
BNA_G
ClientSampleId :
PB167027BSD

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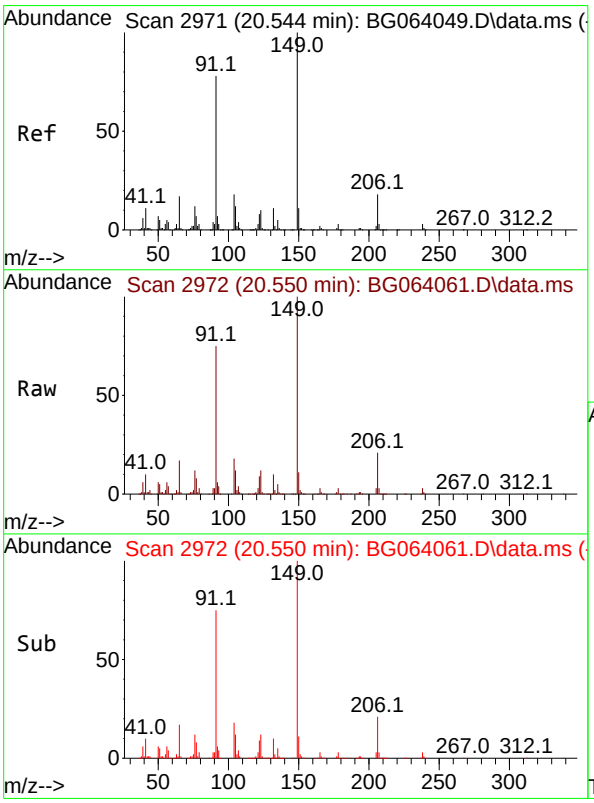
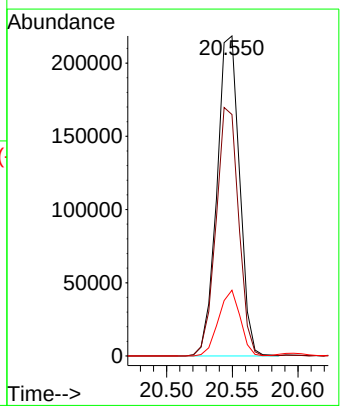
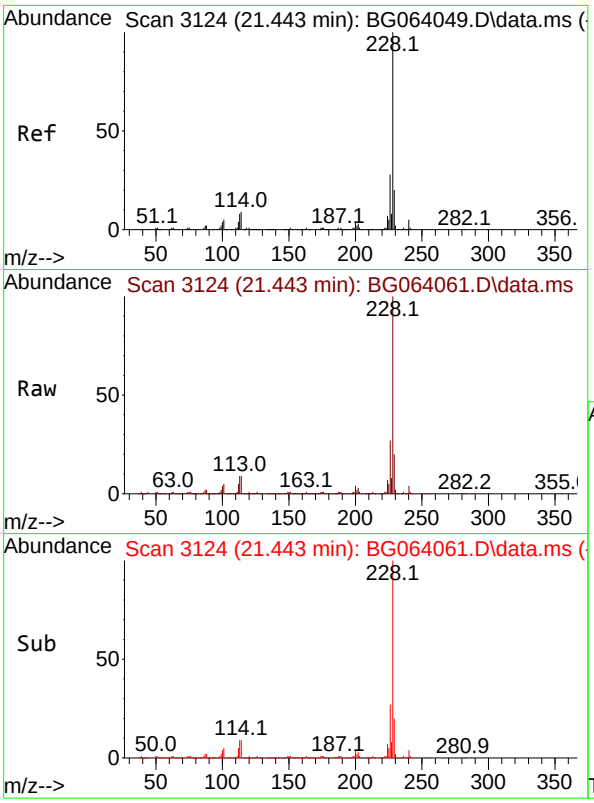


#80
Butylbenzylphthalate
Concen: 41.455 ng
RT: 20.550 min Scan# 2972
Delta R.T. 0.006 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:149 Resp: 261414

Ion	Ratio	Lower	Upper
149	100		
91	75.5	62.0	93.0
206	20.6	14.6	21.8

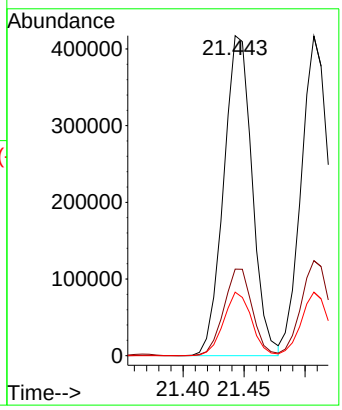




#81
Benzo(a)anthracene
Concen: 40.207 ng
RT: 21.443 min Scan# 3
Delta R.T. -0.000 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:228 Resp: 68023

Ion	Ratio	Lower	Upper
228	100		
226	27.0	22.2	33.2
229	19.8	16.4	24.6



Instrument :
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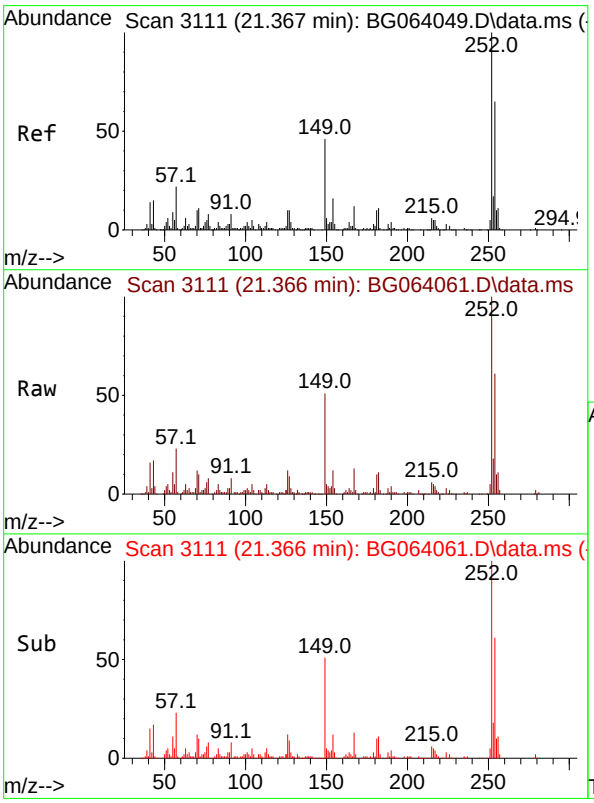
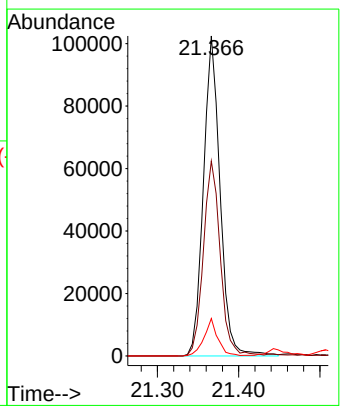
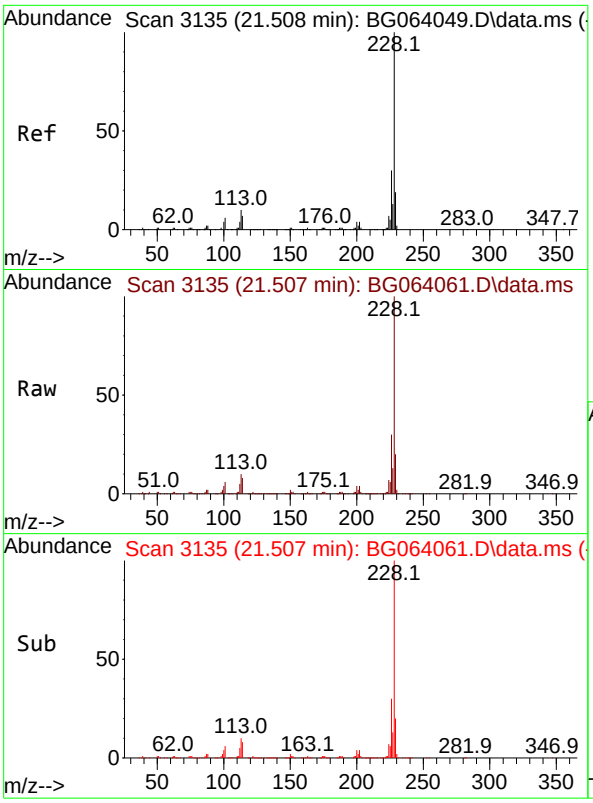


#82
3,3'-Dichlorobenzidine
Concen: 26.603 ng
RT: 21.366 min Scan# 3111
Delta R.T. -0.000 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:252 Resp: 145661

Ion	Ratio	Lower	Upper
252	100		
254	60.9	52.1	78.1
126	11.7	7.8	11.8

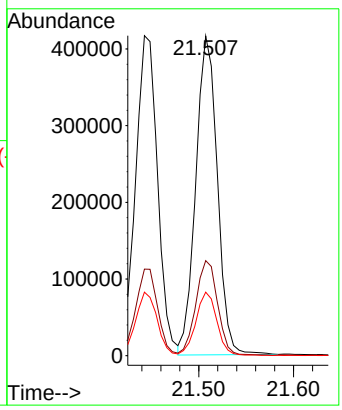




#83
Chrysene
Concen: 38.953 ng
RT: 21.507 min Scan# 3
Delta R.T. -0.000 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:228 Resp: 65728

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.9	35.9
229	19.9	15.3	22.9



Instrument :
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ClientSampleId :
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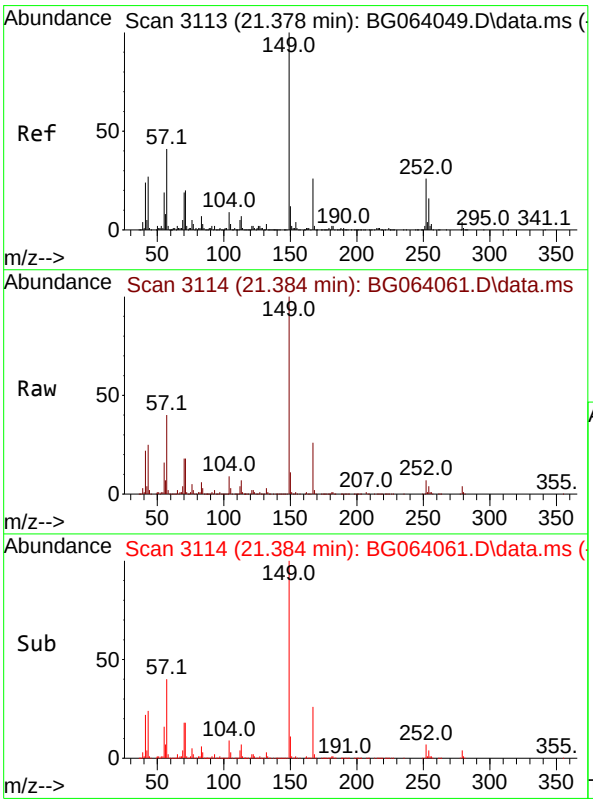
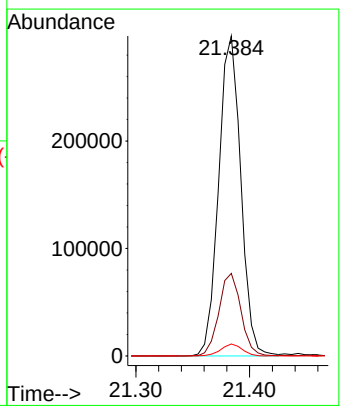
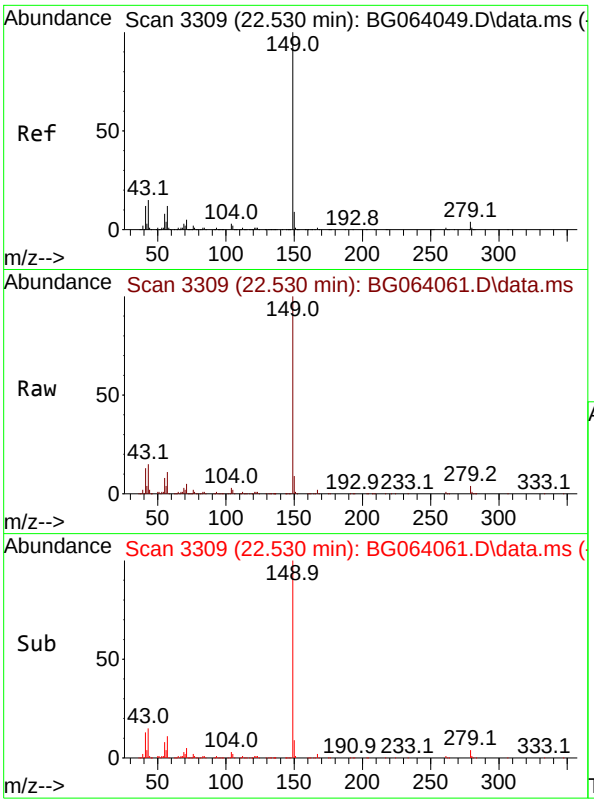


#84
Bis(2-ethylhexyl)phthalate
Concen: 44.018 ng
RT: 21.384 min Scan# 3114
Delta R.T. 0.006 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:149 Resp: 402756

Ion	Ratio	Lower	Upper
149	100		
167	25.8	21.0	31.6
279	3.8	2.8	4.2





#85
Di-n-octyl phthalate
Concen: 43.371 ng
RT: 22.530 min Scan# 3
Delta R.T. -0.000 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:149 Resp: 68447

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	15.0	12.6	19.0

Instrument :
BNA_G
ClientSampleId :
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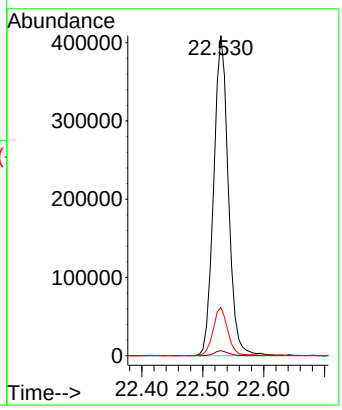
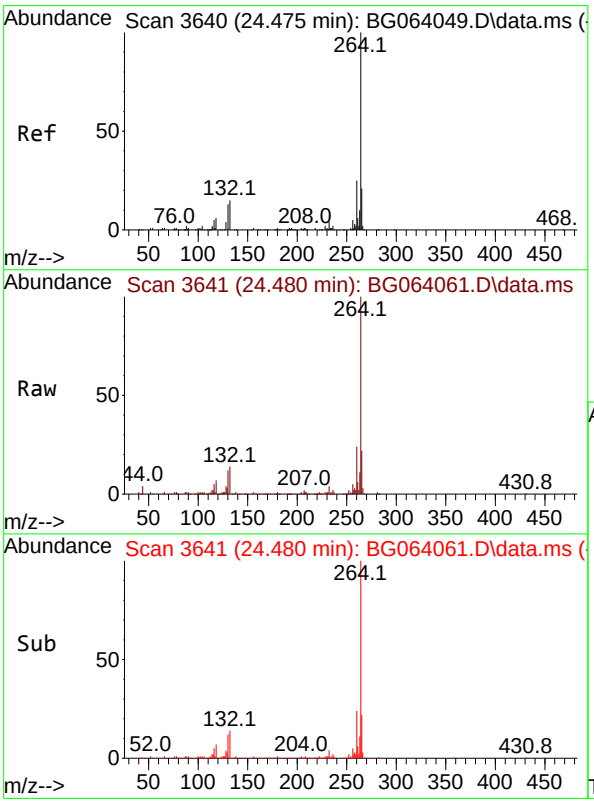
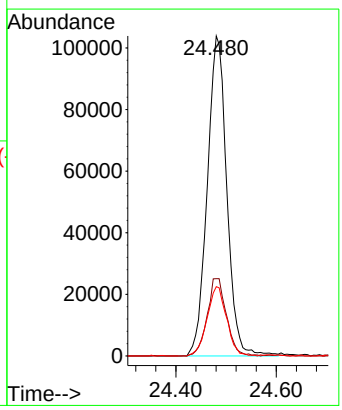


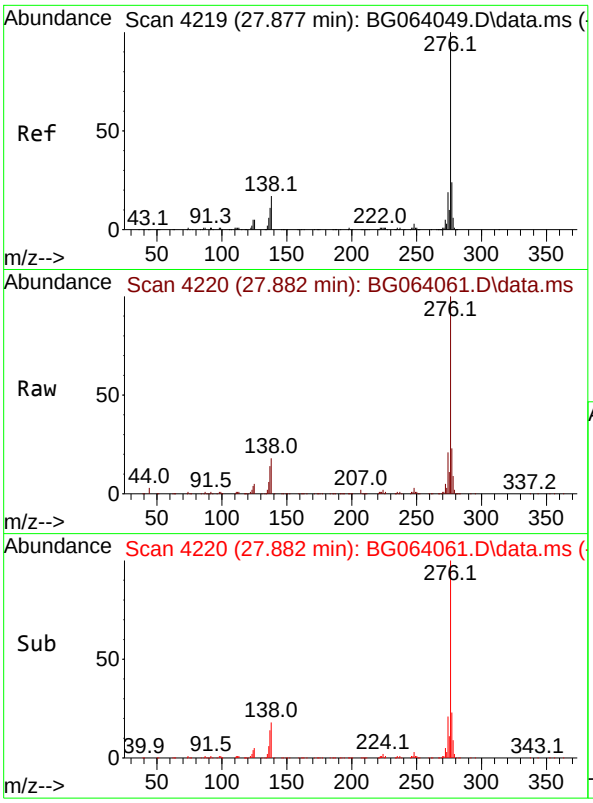


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.480 min Scan# 3641
Delta R.T. 0.006 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:264 Resp: 280712

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.6	29.4
265	21.7	16.6	25.0

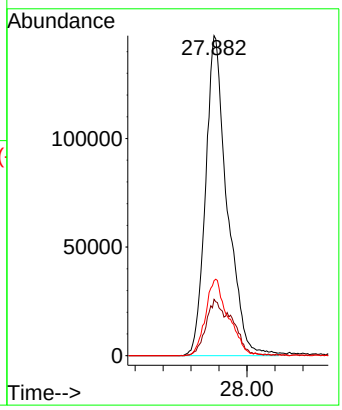




#87
Indeno(1,2,3-cd)pyrene
Concen: 42.083 ng
RT: 27.882 min Scan# 4
Delta R.T. 0.006 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:276 Resp: 79039

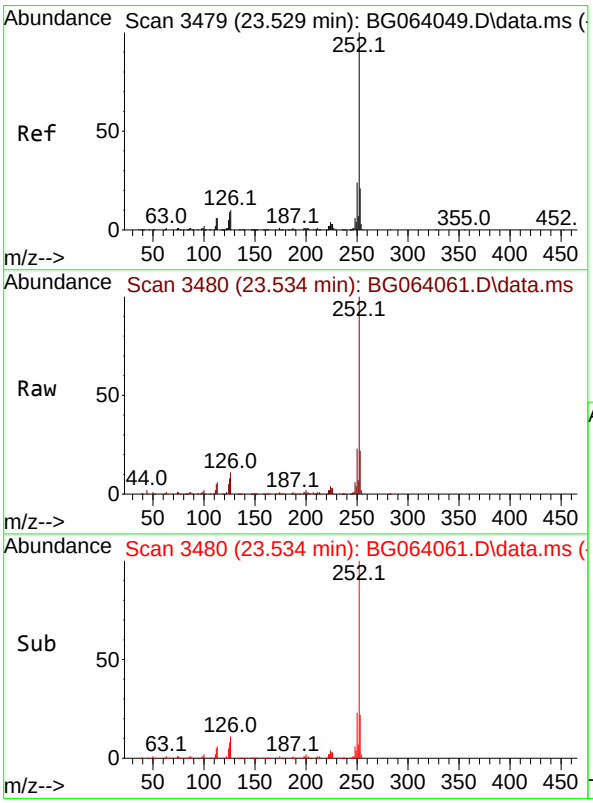
Ion	Ratio	Lower	Upper
276	100		
138	14.0	12.1	18.1
277	25.1	20.0	30.0



Instrument :
BNA_G
ClientSampleId :
PB167027BSD

Manual Integrations
APPROVED

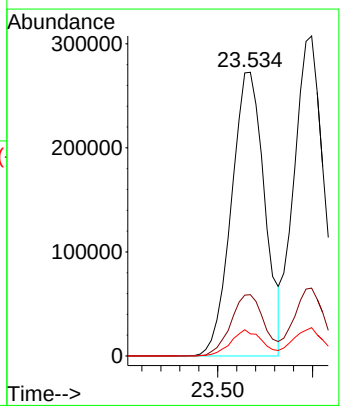
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

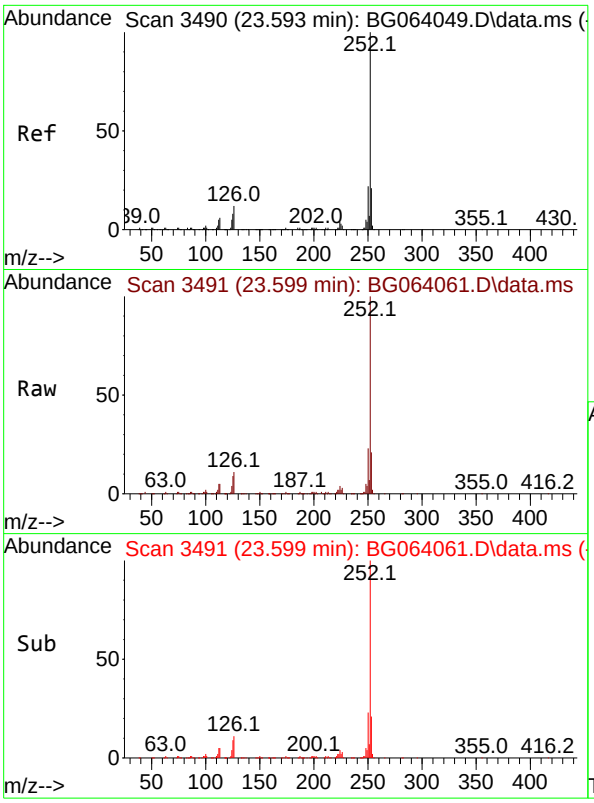


#88
Benzo(b)fluoranthene
Concen: 39.125 ng
RT: 23.534 min Scan# 3480
Delta R.T. 0.006 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:252 Resp: 663953

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.0	25.4
125	7.8	7.4	11.2

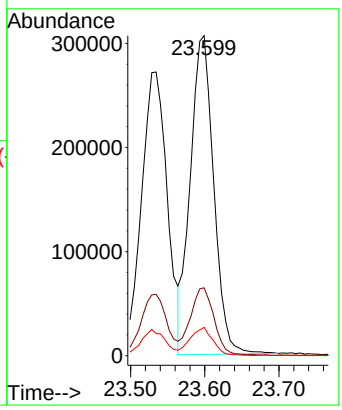




#89
Benzo(k)fluoranthene
Concen: 39.594 ng
RT: 23.599 min Scan# 34
Delta R.T. 0.006 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:252 Resp: 67407

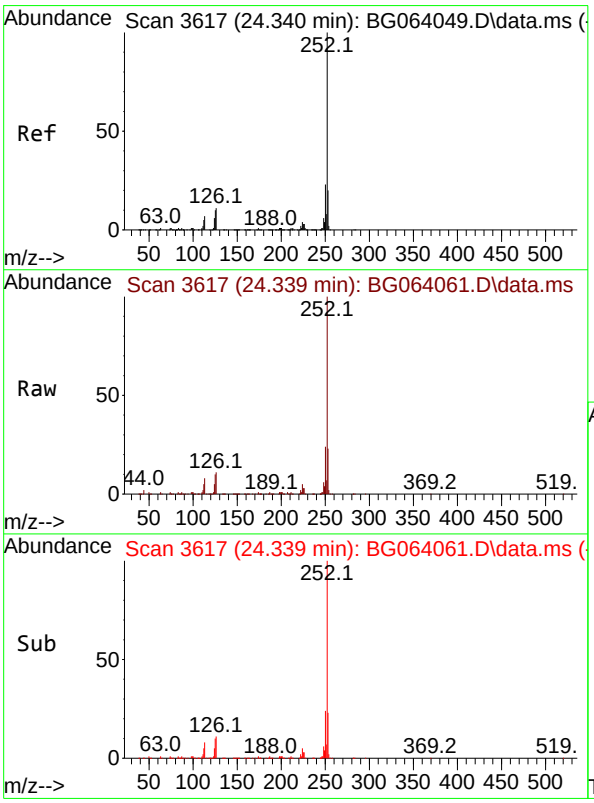
Ion	Ratio	Lower	Upper
252	100		
253	21.2	16.8	25.2
125	8.9	6.9	10.3



Instrument :
BNA_G
ClientSampleId :
PB167027BSD

Manual Integrations
APPROVED

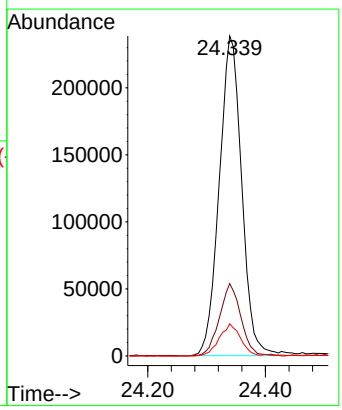
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

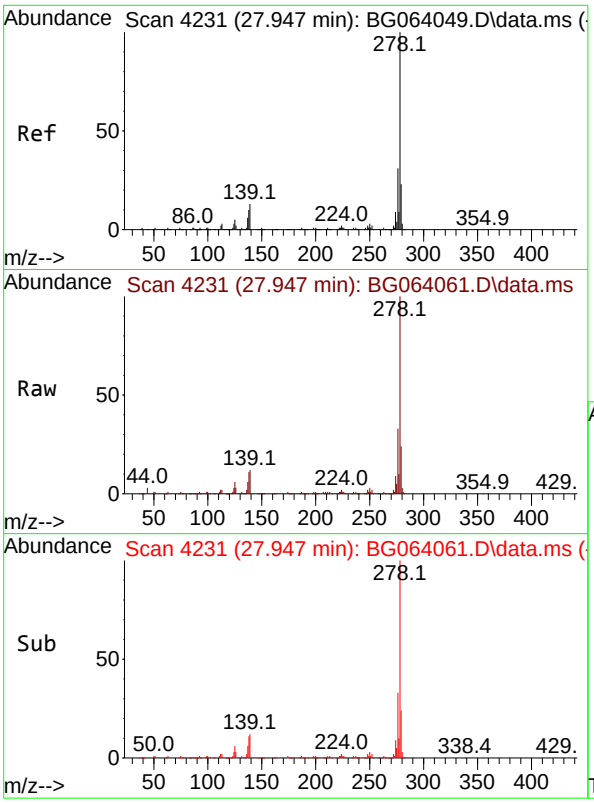


#90
Benzo(a)pyrene
Concen: 41.609 ng
RT: 24.339 min Scan# 3617
Delta R.T. -0.000 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:252 Resp: 628853

Ion	Ratio	Lower	Upper
252	100		
253	22.6	16.2	24.2
125	10.1	7.8	11.6

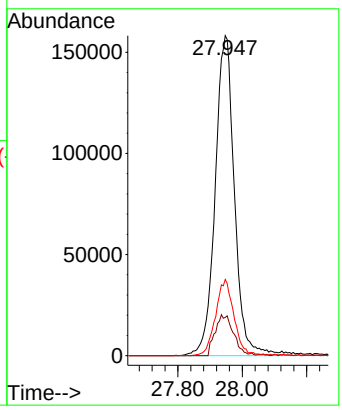




#91
Dibenzo(a,h)anthracene
Concen: 42.130 ng
RT: 27.947 min Scan# 4
Delta R.T. -0.000 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:278 Resp: 65599

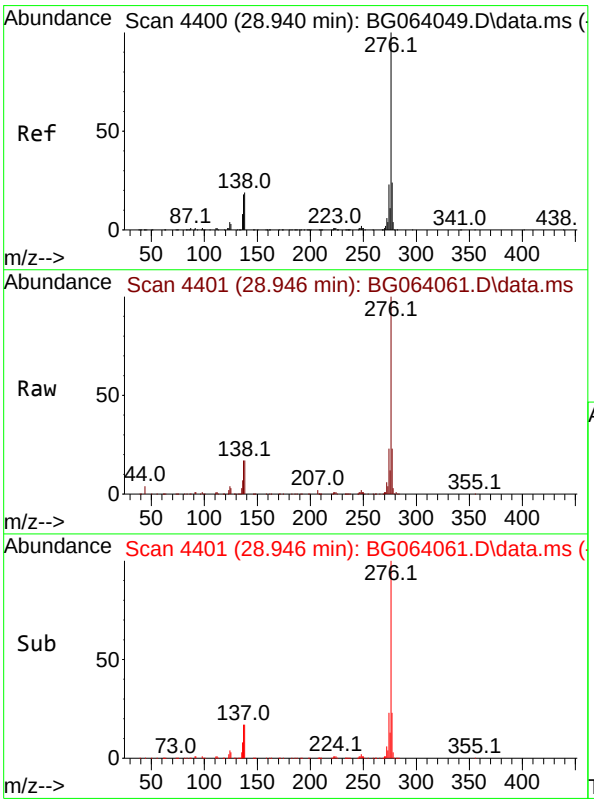
Ion	Ratio	Lower	Upper
278	100		
139	12.0	10.2	15.2
279	23.8	18.1	27.1



Instrument :
BNA_G
ClientSampleId :
PB167027BSD

Manual Integrations
APPROVED

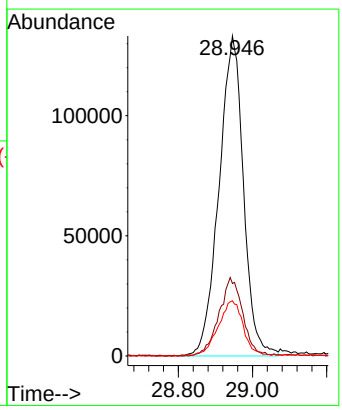
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#92
Benzo(g,h,i)perylene
Concen: 38.197 ng
RT: 28.946 min Scan# 4401
Delta R.T. 0.006 min
Lab File: BG064061.D
Acq: 7 Mar 2025 16:19

Tgt Ion:276 Resp: 610652

Ion	Ratio	Lower	Upper
276	100		
277	22.7	19.5	29.3
138	17.3	15.4	23.0



Raw Data: **BG064066.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB02MS	SDG No.:	Q1514
Lab Sample ID:	Q1514-03MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	81
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064066.D	1	03/07/25 08:55	03/07/25 19:42	PB167031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	830		220	410	ug/Kg
108-95-2	Phenol	2000		100	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1600		100	210	ug/Kg
95-57-8	2-Chlorophenol	1800		100	210	ug/Kg
95-48-7	2-Methylphenol	2000		99.4	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1800		110	210	ug/Kg
98-86-2	Acetophenone	1800		110	210	ug/Kg
65794-96-9	3+4-Methylphenols	1900		98.4	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1700		49.7	98.6	ug/Kg
67-72-1	Hexachloroethane	1800		100	210	ug/Kg
98-95-3	Nitrobenzene	1800		110	210	ug/Kg
78-59-1	Isophorone	1800		100	210	ug/Kg
88-75-5	2-Nitrophenol	1900		120	210	ug/Kg
105-67-9	2,4-Dimethylphenol	2400		110	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1700		110	210	ug/Kg
120-83-2	2,4-Dichlorophenol	1900		93.1	210	ug/Kg
91-20-3	Naphthalene	1700		100	210	ug/Kg
106-47-8	4-Chloroaniline	430		100	210	ug/Kg
87-68-3	Hexachlorobutadiene	1700		100	210	ug/Kg
105-60-2	Caprolactam	2000		110	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1900		95.6	210	ug/Kg
91-57-6	2-Methylnaphthalene	1600		100	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	6900	E	190	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1900		88.0	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1900		91.2	210	ug/Kg
92-52-4	1,1-Biphenyl	1900		110	210	ug/Kg
91-58-7	2-Chloronaphthalene	1700		100	210	ug/Kg
88-74-4	2-Nitroaniline	1800		120	210	ug/Kg
131-11-3	Dimethylphthalate	1700		100	210	ug/Kg

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB02MS	SDG No.:	Q1514
Lab Sample ID:	Q1514-03MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	81
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064066.D	1	03/07/25 08:55	03/07/25 19:42	PB167031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1800		110	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	1700		100	210	ug/Kg
99-09-2	3-Nitroaniline	780		110	210	ug/Kg
83-32-9	Acenaphthene	1700		100	210	ug/Kg
51-28-5	2,4-Dinitrophenol	3800	E	300	410	ug/Kg
100-02-7	4-Nitrophenol	4200	E	140	410	ug/Kg
132-64-9	Dibenzofuran	1600		100	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	1800		110	210	ug/Kg
84-66-2	Diethylphthalate	1700		98.8	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1700		110	210	ug/Kg
86-73-7	Fluorene	1700		110	210	ug/Kg
100-01-6	4-Nitroaniline	1800		130	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1900		140	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1800		100	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1800		97.3	210	ug/Kg
118-74-1	Hexachlorobenzene	1700		100	210	ug/Kg
1912-24-9	Atrazine	2600		110	210	ug/Kg
87-86-5	Pentachlorophenol	3800	E	95.3	410	ug/Kg
85-01-8	Phenanthrene	1800		100	210	ug/Kg
120-12-7	Anthracene	1800		100	210	ug/Kg
86-74-8	Carbazole	1700		99.0	210	ug/Kg
84-74-2	Di-n-butylphthalate	1800		100	210	ug/Kg
206-44-0	Fluoranthene	1700		100	210	ug/Kg
129-00-0	Pyrene	1700		100	210	ug/Kg
85-68-7	Butylbenzylphthalate	1900		120	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	820		120	410	ug/Kg
56-55-3	Benzo(a)anthracene	1800		99.5	210	ug/Kg
218-01-9	Chrysene	1700		98.0	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2000		110	210	ug/Kg
117-84-0	Di-n-octyl phthalate	2000		140	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		100	210	ug/Kg

Raw Data: **BG064066.D**

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Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB02MS	SDG No.:	Q1514
Lab Sample ID:	Q1514-03MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	81
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064066.D	1	03/07/25 08:55	03/07/25 19:42	PB167031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1700		100	210	ug/Kg
50-32-8	Benzo(a)pyrene	1800		110	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1800		96.3	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1800		100	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1700		98.8	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1800		110	210	ug/Kg
123-91-1	1,4-Dioxane	1700		140	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1900		92.1	210	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	96.0		30 (18) - 130 (112)	64%	SPK: 150
13127-88-3	Phenol-d6	94.7		30 (15) - 130 (107)	63%	SPK: 150
4165-60-0	Nitrobenzene-d5	61.1		30 (18) - 130 (107)	61%	SPK: 100
321-60-8	2-Fluorobiphenyl	56.8		30 (20) - 130 (109)	57%	SPK: 100
118-79-6	2,4,6-Tribromophenol	99.5		30 (10) - 130 (116)	66%	SPK: 150
1718-51-0	Terphenyl-d14	55.2		30 (10) - 130 (105)	55%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	33600	7.867			
1146-65-2	Naphthalene-d8	157000	10.652			
15067-26-2	Acenaphthene-d10	111000	14.488			
1517-22-2	Phenanthrene-d10	251000	17.232			
1719-03-5	Chrysene-d12	259000	21.462			
1520-96-3	Perylene-d12	281000	24.477			

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_G\Data\BG030725\
Data File : BG064066.D
Acq On : 7 Mar 2025 19:42
Operator : RC/JU
Sample : Q1514-03MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 07 22:57:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02MS

Manual Integrations APPROVED

Reviewed By :Anahy Claudio
03/10/2025
Supervised By :Jagrut Upadhyay
03/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.867	152	33566	20.000	ng		0.00
21) Naphthalene-d8	10.652	136	156638	20.000	ng		0.00
39) Acenaphthene-d10	14.488	164	110984	20.000	ng		0.00
64) Phenanthrene-d10	17.232	188	250922	20.000	ng		0.00
76) Chrysene-d12	21.462	240	258735	20.000	ng		0.00
86) Perylene-d12	24.477	264	281256	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.452	112	206469	96.047	ng		0.00
7) Phenol-d6	7.032	99	276848	94.669	ng		0.00
23) Nitrobenzene-d5	9.012	82	173112	61.074	ng		0.00
42) 2,4,6-Tribromophenol	15.975	330	122716	99.473	ng		0.00
45) 2-Fluorobiphenyl	13.113	172	415113	56.773	ng		0.00
79) Terphenyl-d14	19.853	244	706569	55.218	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.366	88	40768	41.846	ng		93
3) Pyridine	3.754	79	98855	41.722	ng		97
4) n-Nitrosodimethylamine	3.672	42	81254	47.999	ng		95
6) Aniline	7.191	93	72249	25.177	ng		98
8) 2-Chlorophenol	7.432	128	102595	44.437	ng		98
9) Benzaldehyde	7.003	77	34444	20.252	ng		91
10) Phenol	7.056	94	144263	48.182	ng		99
11) bis(2-Chloroethyl)ether	7.291	93	93270	39.734	ng		98
12) 1,3-Dichlorobenzene	7.755	146	102943	40.603	ng		97
13) 1,4-Dichlorobenzene	7.902	146	103840	39.958	ng		99
14) 1,2-Dichlorobenzene	8.213	146	102804	41.025	ng		98
15) Benzyl Alcohol	8.096	79	107085	47.386	ng		91
16) 2,2'-oxybis(1-Chloropr...	8.390	45	226458	42.905	ng		99
17) 2-Methylphenol	8.301	107	94963	47.788	ng		98
18) Hexachloroethane	8.942	117	40682	44.744	ng		98
19) n-Nitroso-di-n-propyla...	8.666	70	86490	42.142	ng		99
20) 3+4-Methylphenols	8.625	107	129042	47.169	ng		96
22) Acetophenone	8.677	105	188992	44.006	ng		97
24) Nitrobenzene	9.053	77	124896	42.637	ng		99
25) Isophorone	9.582	82	243737	42.962	ng		96
26) 2-Nitrophenol	9.764	139	45272	45.328	ng	#	94
27) 2,4-Dimethylphenol	9.829	122	99924	58.752	ng		94
28) bis(2-Chloroethoxy)met...	10.064	93	142280	41.365	ng		94
29) 2,4-Dichlorophenol	10.299	162	99803	46.472	ng		97
30) 1,2,4-Trichlorobenzene	10.516	180	103202	39.808	ng		98
31) Naphthalene	10.704	128	339336	40.175	ng		98
32) Benzoic acid	9.982	122	68153m	44.427	ng		
33) 4-Chloroaniline	10.804	127	32553	10.545	ng		96
34) Hexachlorobutadiene	10.992	225	69808	41.081	ng		94
35) Caprolactam	11.568	113	40944m	49.751	ng		
36) 4-Chloro-3-methylphenol	11.932	107	127938	45.447	ng		99
37) 2-Methylnaphthalene	12.308	142	237269	39.792	ng		98
38) 1-Methylnaphthalene	12.532	142	238794	40.877	ng		97
40) 1,2,4,5-Tetrachloroben...	12.679	216	140623	44.381	ng		97
41) Hexachlorocyclopentadiene	12.667	237	150670	168.953	ng		98
43) 2,4,6-Trichlorophenol	12.920	196	88001	47.124	ng		94

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064066.D
Acq On : 7 Mar 2025 19:42
Operator : RC/JU
Sample : Q1514-03MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 07 22:57:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02MS

Manual Integrations APPROVED

Reviewed By :Anahy Claudio
03/10/2025
Supervised By :Jagrut Upadhyay
03/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.984	196	96973	46.735	ng		98
46) 1,1'-Biphenyl	13.325	154	378352	45.123	ng		98
47) 2-Chloronaphthalene	13.360	162	254994	41.697	ng		98
48) 2-Nitroaniline	13.560	65	87730	44.009	ng		97
49) Acenaphthylene	14.212	152	423207	43.752	ng		99
50) Dimethylphthalate	13.954	163	339425	41.431	ng		98
51) 2,6-Dinitrotoluene	14.059	165	69089	42.018	ng	#	88
52) Acenaphthene	14.553	154	266856	41.108	ng		99
53) 3-Nitroaniline	14.388	138	30201	19.074	ng		92
54) 2,4-Dinitrophenol	14.594	184	65137	92.618	ng	#	83
55) Dibenzofuran	14.888	168	419223	39.864	ng		100
56) 4-Nitrophenol	14.700	139	135237	101.839	ng		93
57) 2,4-Dinitrotoluene	14.847	165	102071	44.773	ng	#	92
58) Fluorene	15.534	166	344428	42.051	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.111	232	93019	45.984	ng		97
60) Diethylphthalate	15.317	149	365567	41.103	ng		99
61) 4-Chlorophenyl-phenyle...	15.534	204	168550	41.410	ng		93
62) 4-Nitroaniline	15.552	138	74889	43.808	ng		93
63) Azobenzene	15.822	77	412893	43.506	ng		98
65) 4,6-Dinitro-2-methylph...	15.610	198	50174	46.578	ng		90
66) n-Nitrosodiphenylamine	15.746	169	304696	42.899	ng		97
67) 4-Bromophenyl-phenylether	16.427	248	111198	43.269	ng		97
68) Hexachlorobenzene	16.539	284	120255	41.797	ng		97
69) Atrazine	16.697	200	134559	64.388	ng		97
70) Pentachlorophenol	16.880	266	165854	92.844	ng		98
71) Phenanthrene	17.273	178	572145	42.750	ng		99
72) Anthracene	17.361	178	584769	43.941	ng		99
73) Carbazole	17.632	167	523997	42.172	ng		99
74) Di-n-butylphthalate	18.202	149	646327	44.191	ng		100
75) Fluoranthene	19.283	202	675973	41.895	ng		99
77) Benzidine	19.465	184	256098	71.481	ng		99
78) Pyrene	19.641	202	709058	42.513	ng		99
80) Butylbenzylphthalate	20.546	149	284887	45.708	ng		99
81) Benzo(a)anthracene	21.445	228	714459	43.108	ng		98
82) 3,3'-Dichlorobenzidine	21.368	252	106430	19.842	ng		97
83) Chrysene	21.509	228	681295	41.215	ng		99
84) Bis(2-ethylhexyl)phtha...	21.380	149	433115	48.320	ng		99
85) Di-n-octyl phthalate	22.532	149	735976	47.604	ng		100
87) Indeno(1,2,3-cd)pyrene	27.884	276	838700	44.568	ng		99
88) Benzo(b)fluoranthene	23.531	252	709715	41.741	ng		98
89) Benzo(k)fluoranthene	23.595	252	694033	40.688	ng		99
90) Benzo(a)pyrene	24.341	252	672829	44.433	ng		97
91) Dibenzo(a,h)anthracene	27.949	278	689445	44.192	ng		99
92) Benzo(g,h,i)perylene	28.948	276	652760	40.752	ng		98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064066.D
Acq On : 7 Mar 2025 19:42
Operator : RC/JU
Sample : Q1514-03MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 07 22:57:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02MS

Manual Integrations APPROVED

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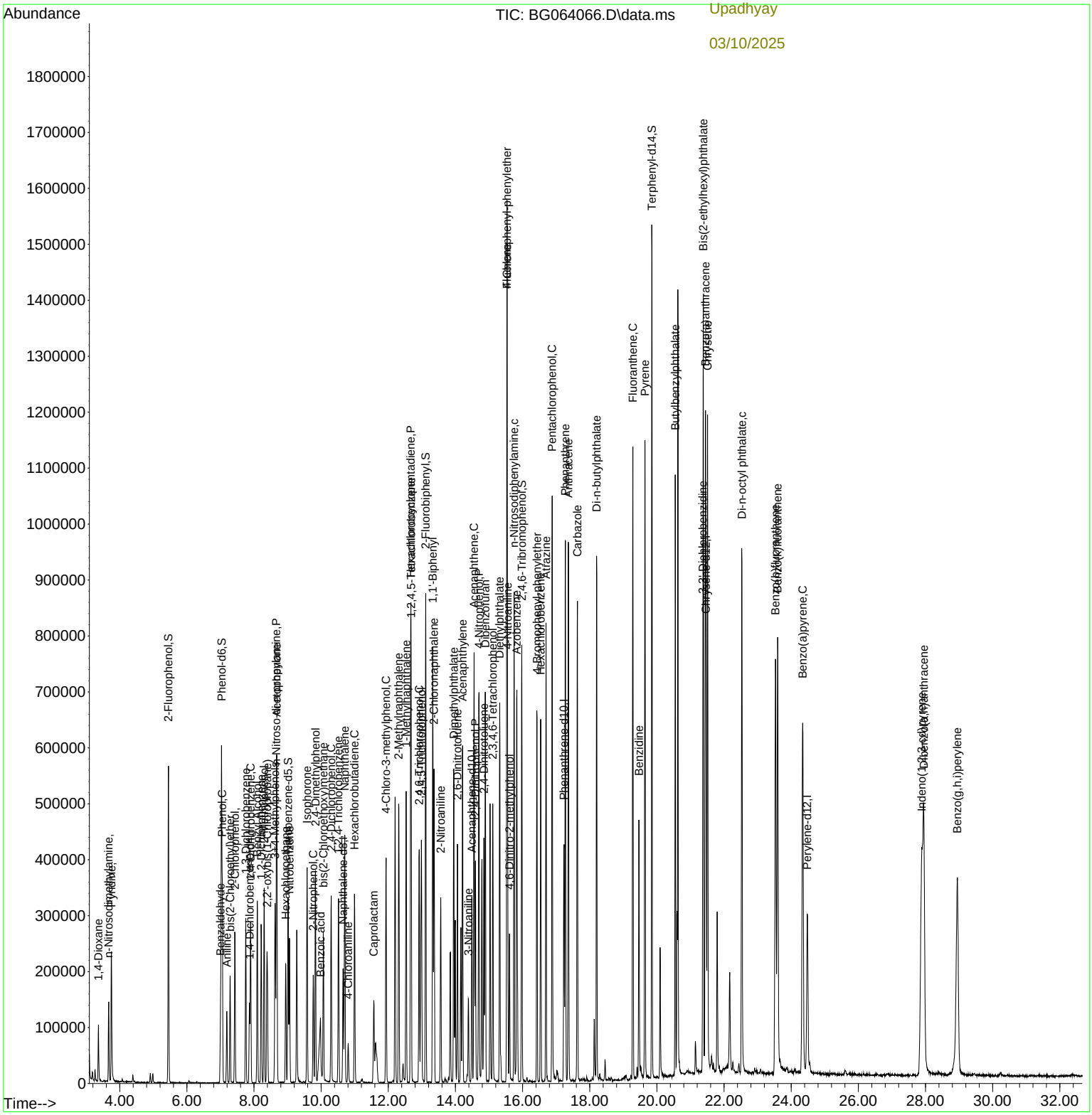
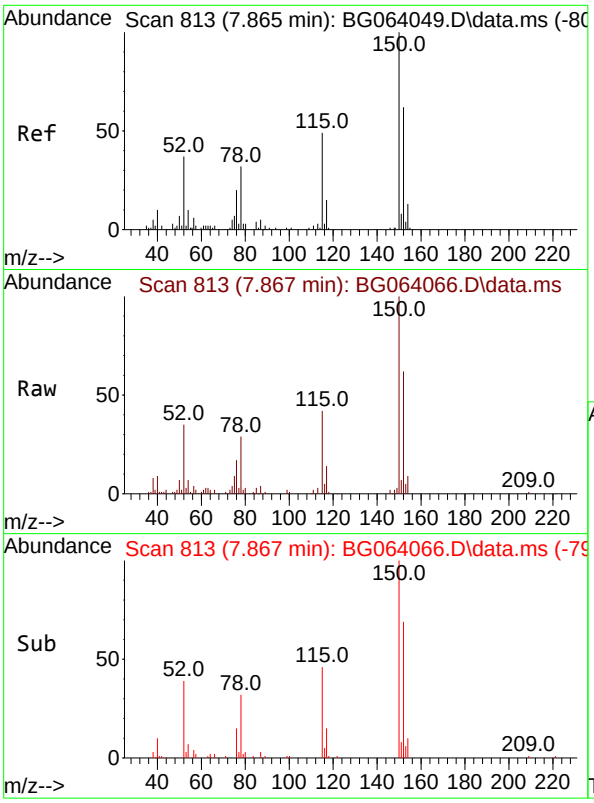
Supervised By :Jagrut Upadhyay

03/10/2025

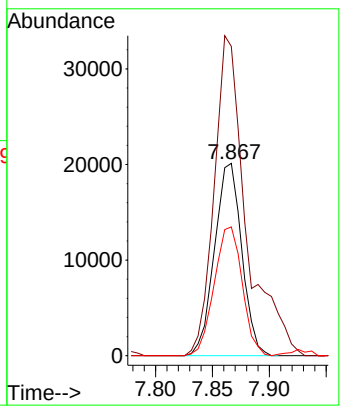




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.867 min Scan# 81
Delta R.T. 0.002 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:152 Resp: 3356

Ion	Ratio	Lower	Upper
152	100		
150	160.8	129.2	193.8
115	67.0	63.0	94.6



Instrument :
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ClientSampleId :
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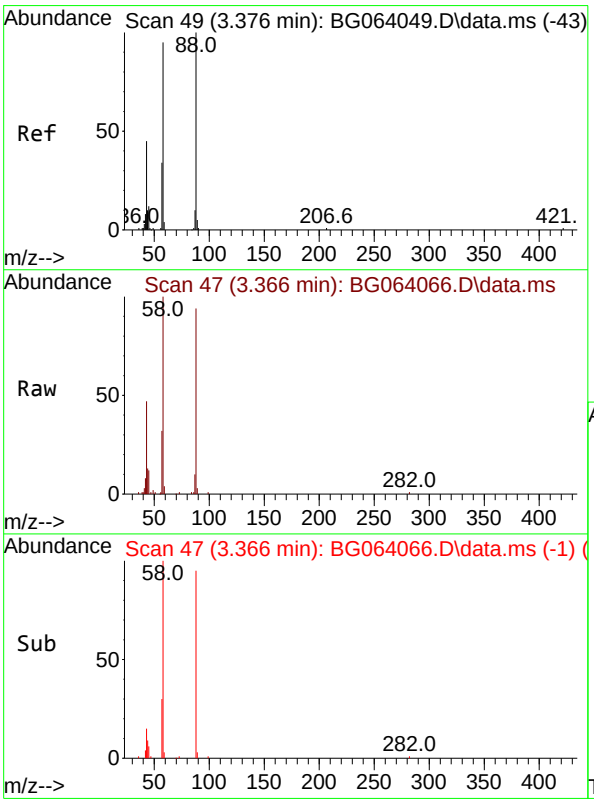
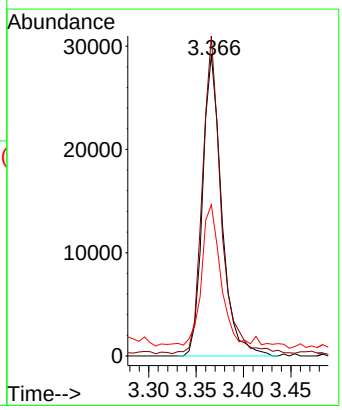
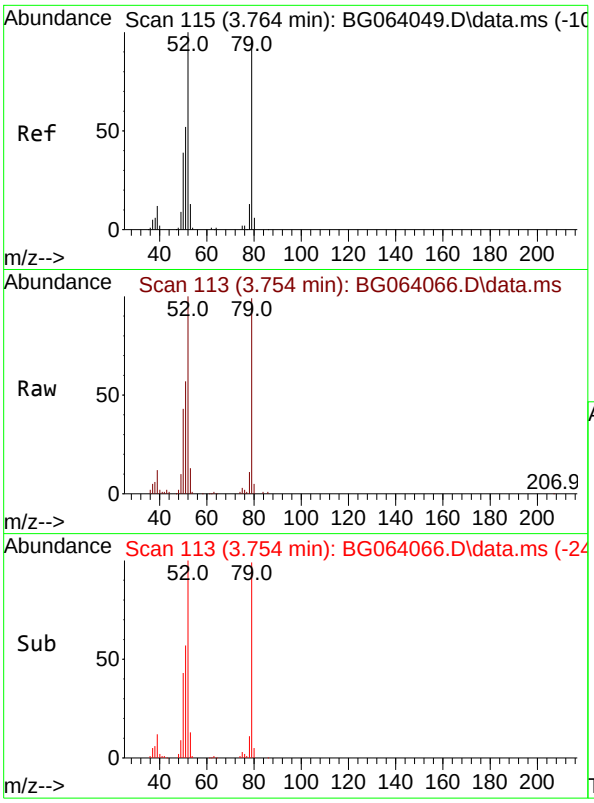


#2
1,4-Dioxane
Concen: 41.846 ng
RT: 3.366 min Scan# 47
Delta R.T. -0.010 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion: 88 Resp: 40768

Ion	Ratio	Lower	Upper
88	100		
58	102.7	74.6	111.8
43	45.5	35.5	53.3

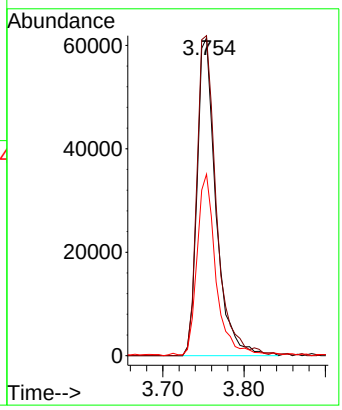




#3
Pyridine
Concen: 41.722 ng
RT: 3.754 min Scan# 1
Delta R.T. -0.010 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion: 79 Resp: 9885

Ion	Ratio	Lower	Upper
79	100		
52	100.7	83.0	124.6
51	57.1	44.3	66.5



Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02MS

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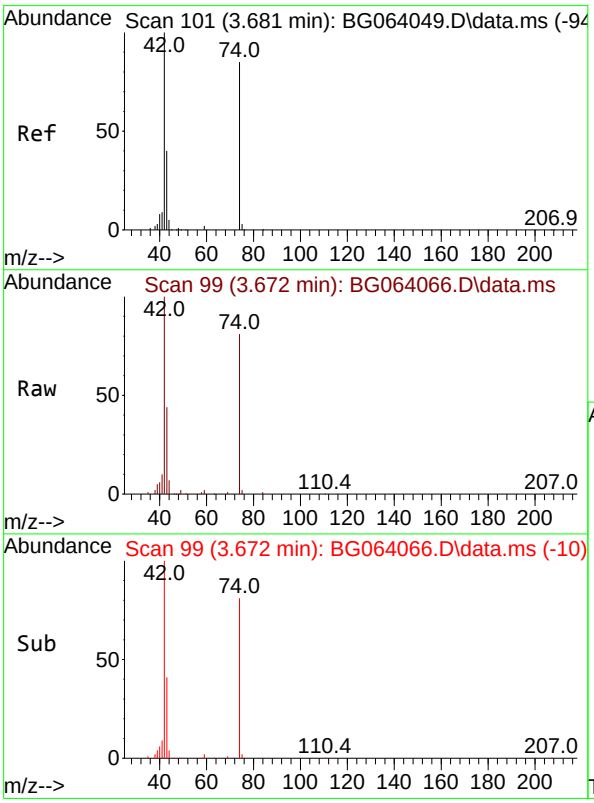
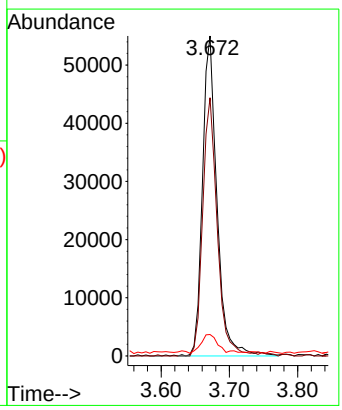
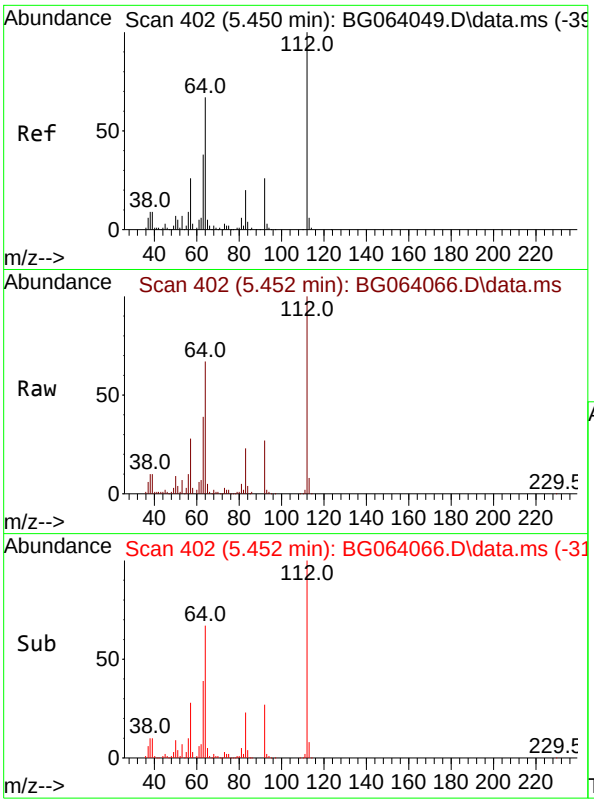


#4
n-Nitrosodimethylamine
Concen: 47.999 ng
RT: 3.672 min Scan# 99
Delta R.T. -0.010 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion: 42 Resp: 81254

Ion	Ratio	Lower	Upper
42	100		
74	80.7	68.0	102.0
44	6.7	4.9	7.3

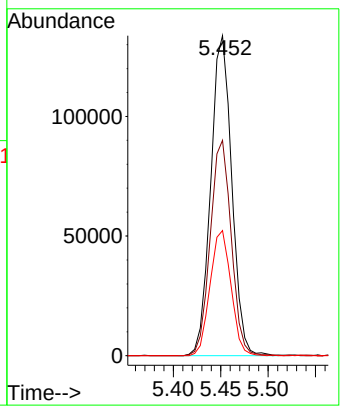




#5
2-Fluorophenol
Concen: 96.047 ng
RT: 5.452 min Scan# 4(
Delta R.T. 0.002 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:112 Resp: 20646(

Ion	Ratio	Lower	Upper
112	100		
64	67.3	53.7	80.5
63	39.1	30.2	45.4



Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02MS

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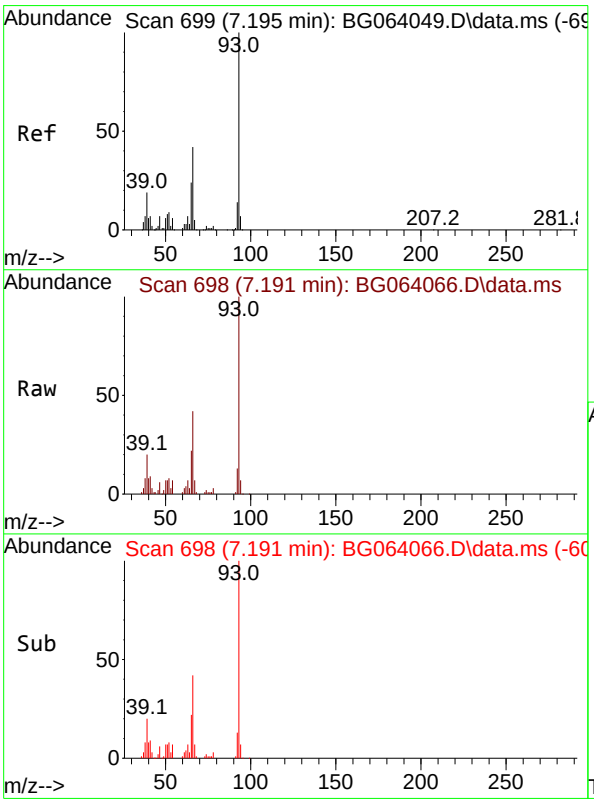
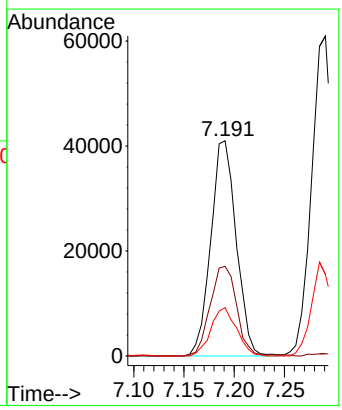
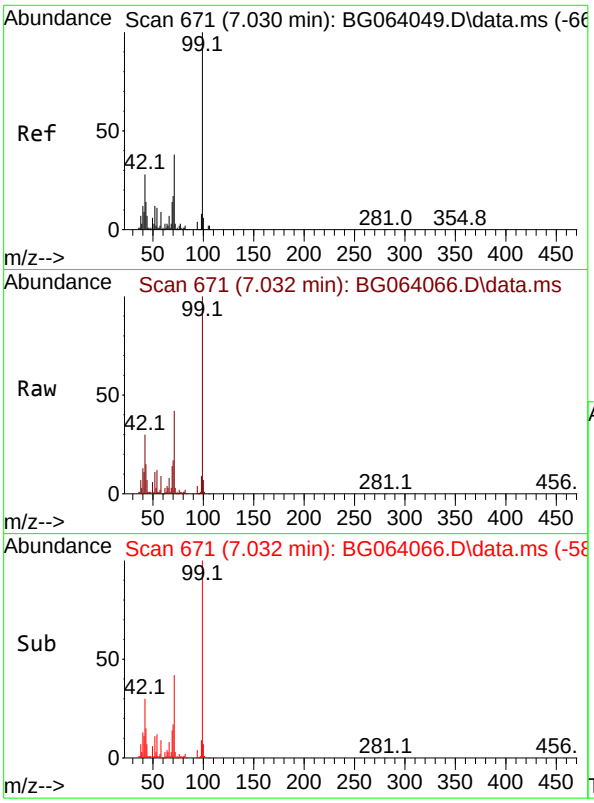


#6
Aniline
Concen: 25.177 ng
RT: 7.191 min Scan# 698
Delta R.T. -0.004 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion: 93 Resp: 72249

Ion	Ratio	Lower	Upper
93	100		
66	41.6	33.7	50.5
65	22.4	19.1	28.7

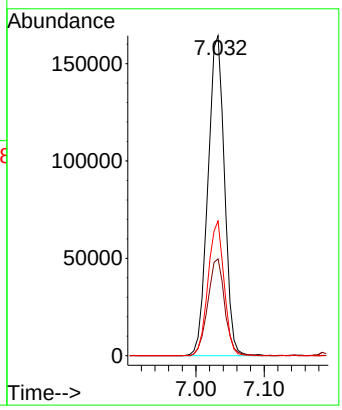




#7
Phenol-d6
Concen: 94.669 ng
RT: 7.032 min Scan# 6
Delta R.T. 0.002 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion: 99 Resp: 27684

Ion	Ratio	Lower	Upper
99	100		
42	30.3	22.7	34.1
71	42.1	30.6	46.0



Instrument :
BNA_G
ClientSampleId :
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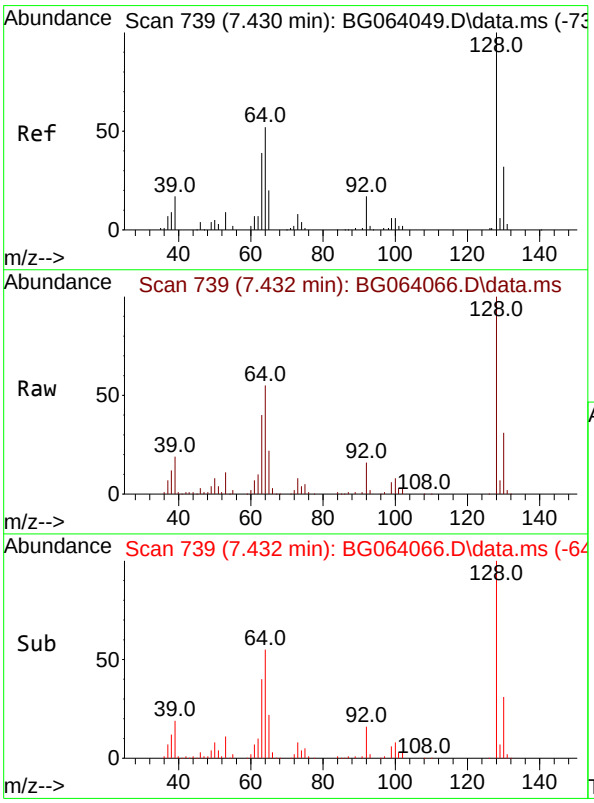
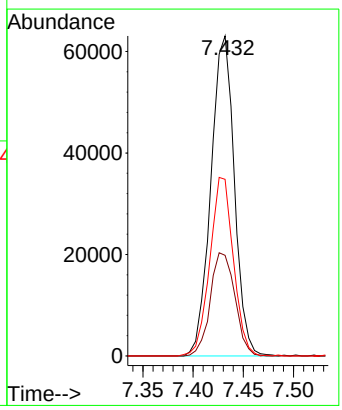
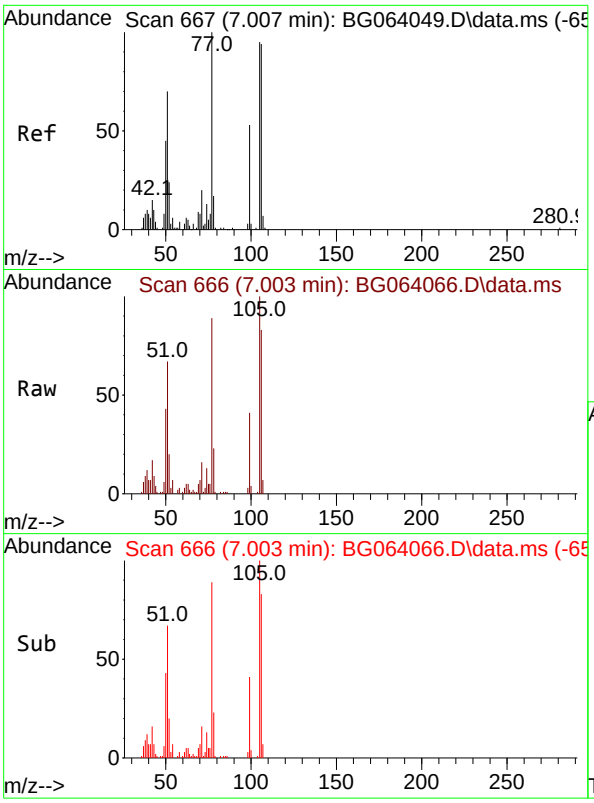


#8
2-Chlorophenol
Concen: 44.437 ng
RT: 7.432 min Scan# 739
Delta R.T. 0.002 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:128 Resp: 102595

Ion	Ratio	Lower	Upper
128	100		
130	31.5	12.3	52.3
64	55.2	37.0	77.0

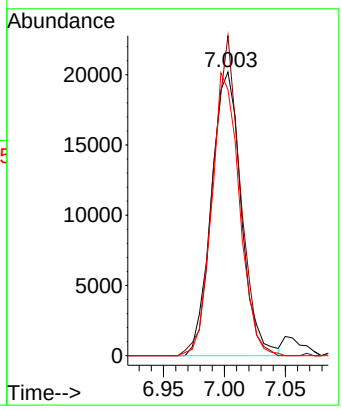




#9
Benzaldehyde
Concen: 20.252 ng
RT: 7.003 min Scan# 6
Delta R.T. -0.004 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion: 77 Resp: 3444

Ion	Ratio	Lower	Upper
77	100		
105	112.8	75.5	115.5
106	93.7	74.2	114.2



Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02MS

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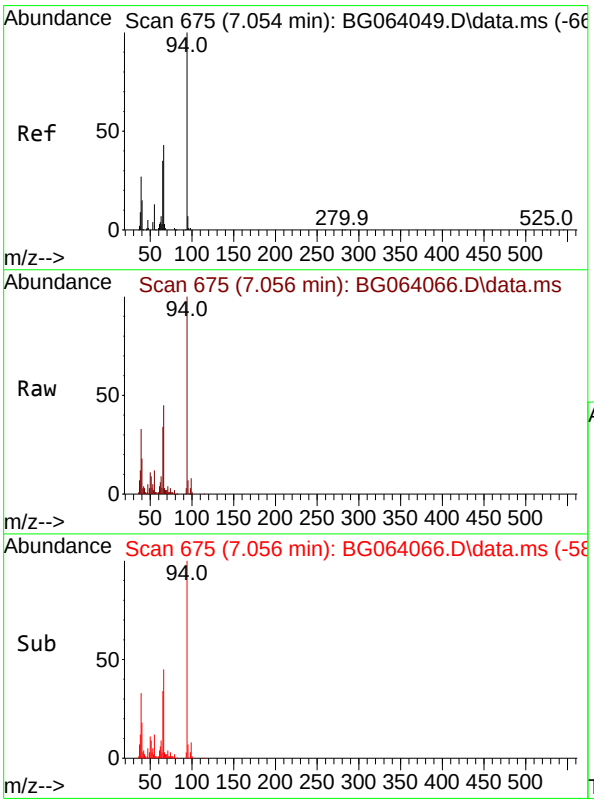
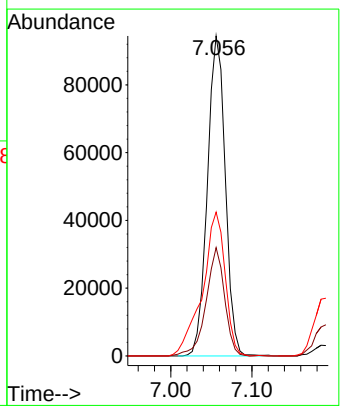
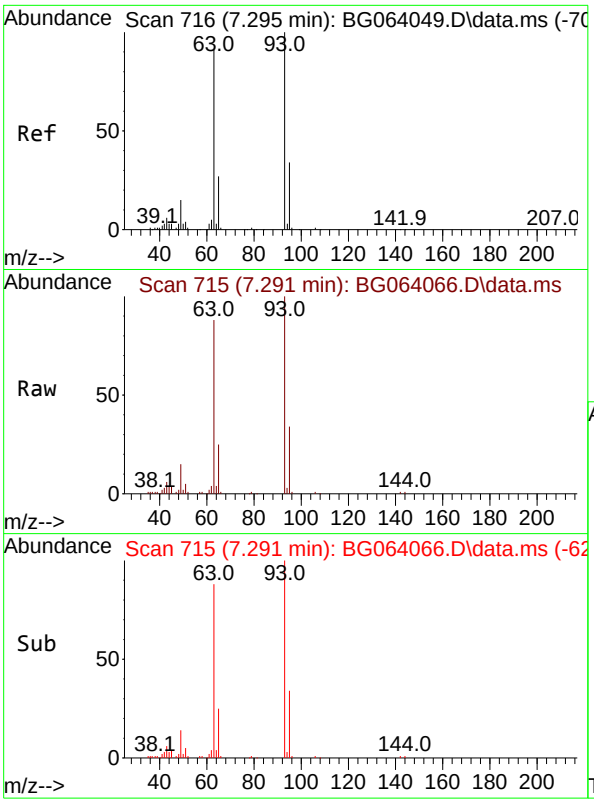


#10
Phenol
Concen: 48.182 ng
RT: 7.056 min Scan# 675
Delta R.T. 0.002 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion: 94 Resp: 144263

Ion	Ratio	Lower	Upper
94	100		
65	33.9	15.2	55.2
66	45.0	25.1	65.1

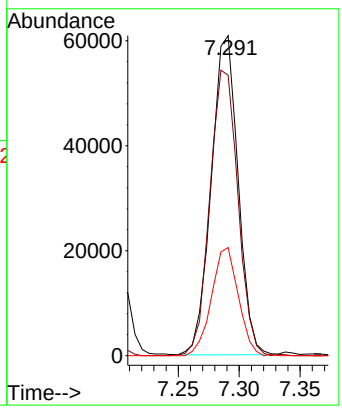




#11
bis(2-Chloroethyl)ether
Concen: 39.734 ng
RT: 7.291 min Scan# 7
Delta R.T. -0.004 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion: 93 Resp: 9327

Ion	Ratio	Lower	Upper
93	100		
63	87.6	70.0	110.0
95	33.8	13.7	53.7



Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02MS

Manual Integrations APPROVED

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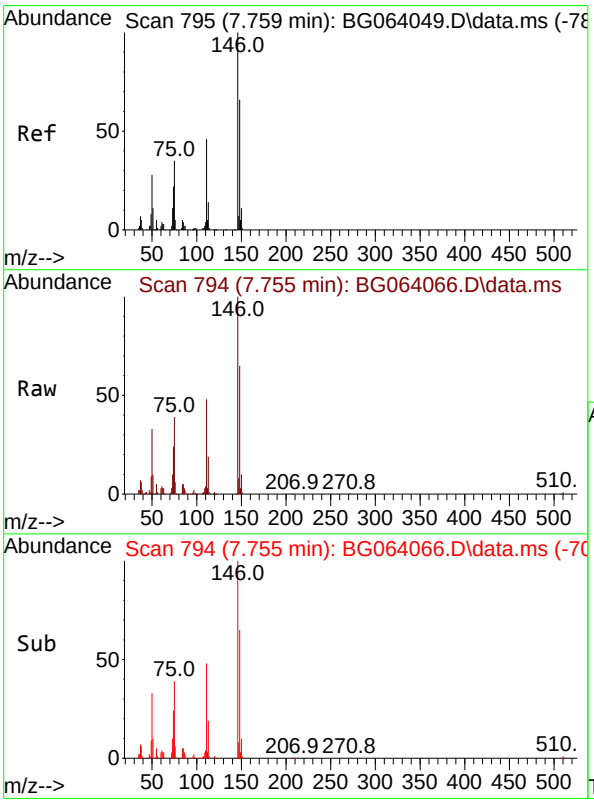
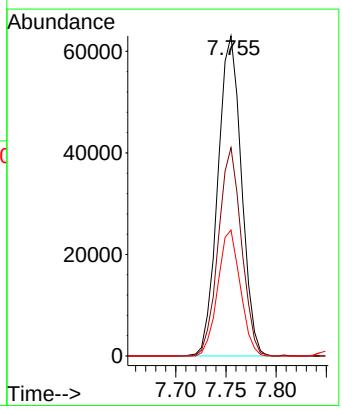
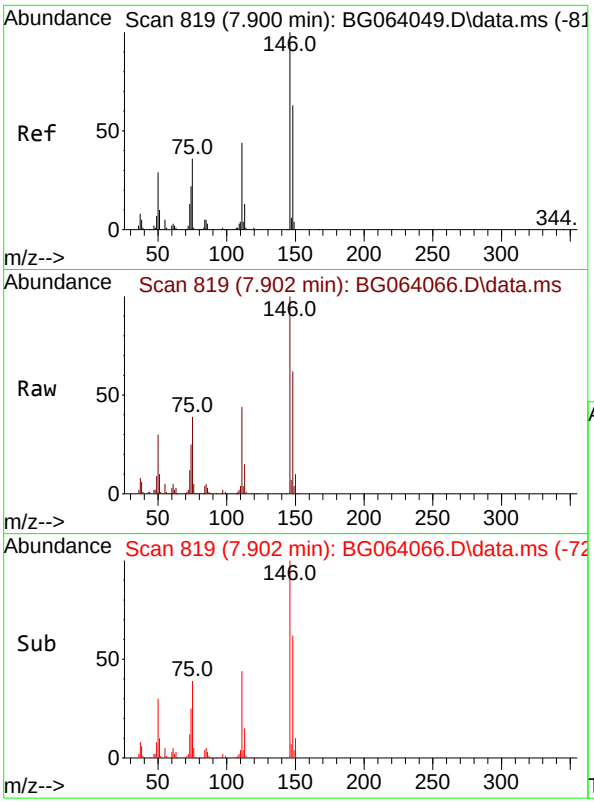


#12
1,3-Dichlorobenzene
Concen: 40.603 ng
RT: 7.755 min Scan# 794
Delta R.T. -0.004 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:146 Resp: 102943

Ion	Ratio	Lower	Upper
146	100		
148	65.1	52.6	78.8
75	39.4	28.1	42.1

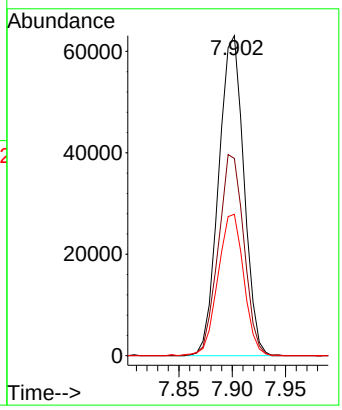




#13
1,4-Dichlorobenzene
Concen: 39.958 ng
RT: 7.902 min Scan# 8
Delta R.T. 0.002 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:146 Resp: 10384

Ion	Ratio	Lower	Upper
146	100		
148	61.6	50.6	75.8
111	44.2	35.1	52.7



Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02MS

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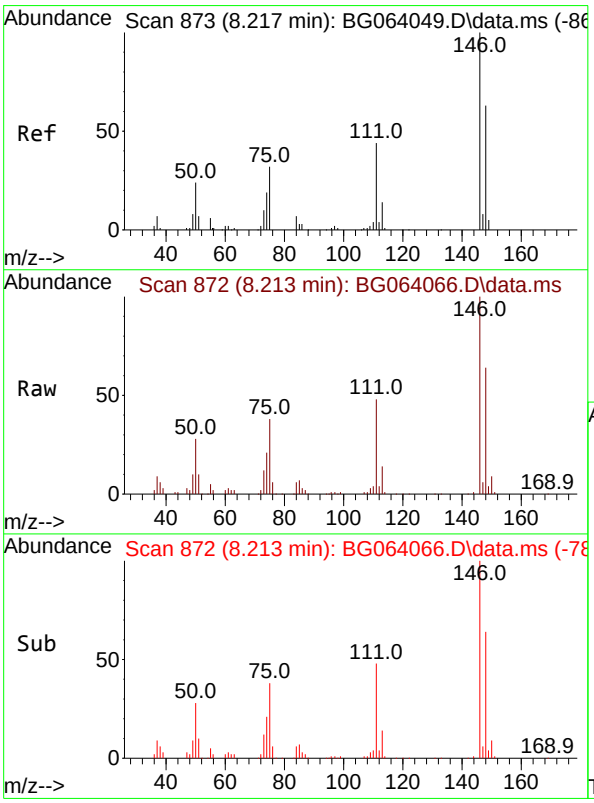
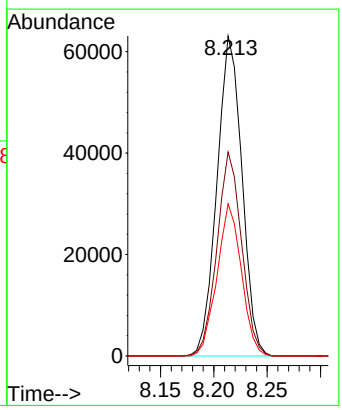
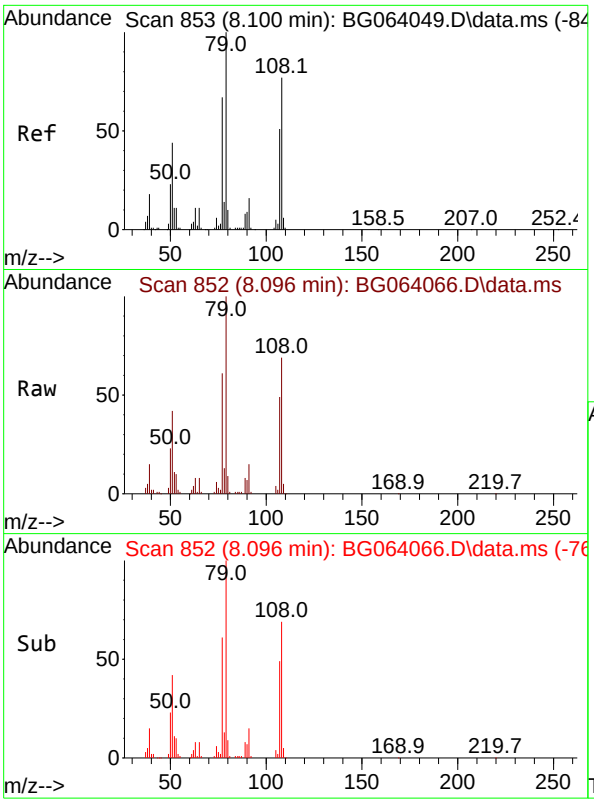


#14
1,2-Dichlorobenzene
Concen: 41.025 ng
RT: 8.213 min Scan# 872
Delta R.T. -0.004 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:146 Resp: 102804

Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.2	75.2
111	47.6	36.4	54.6

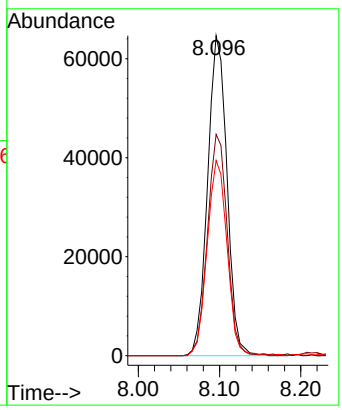




#15
Benzyl Alcohol
Concen: 47.386 ng
RT: 8.096 min Scan# 8
Delta R.T. -0.004 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion: 79 Resp: 10708

Ion	Ratio	Lower	Upper
79	100		
108	69.2	61.7	92.5
77	61.0	53.9	80.9



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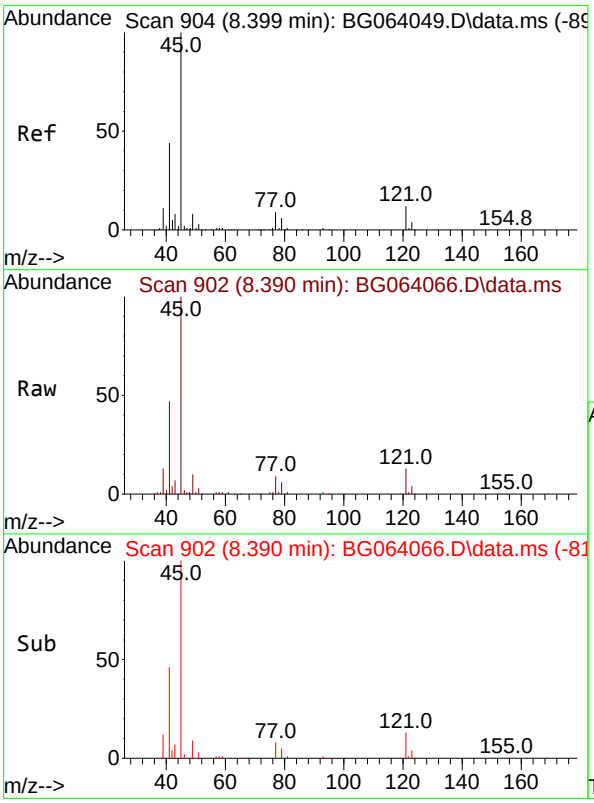
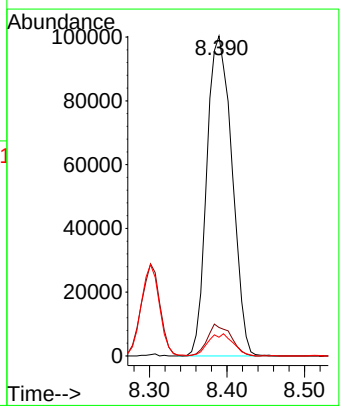
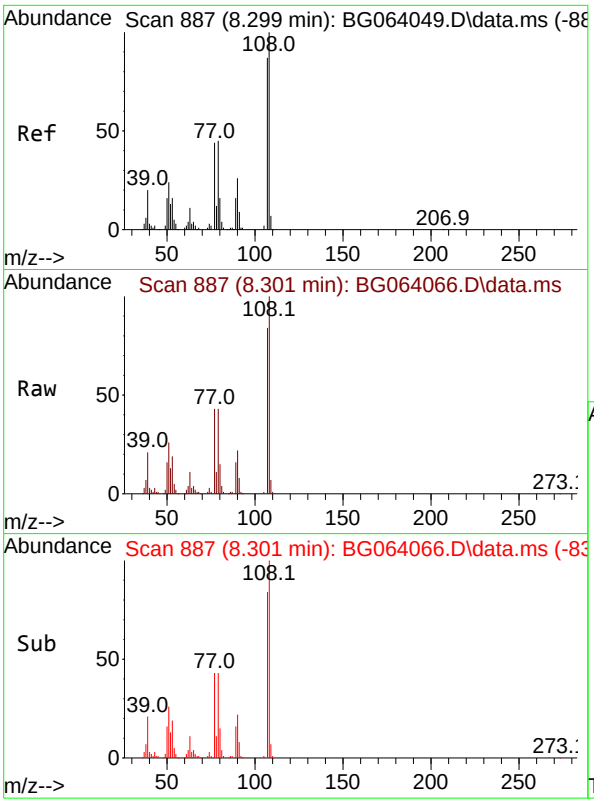


#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.905 ng
RT: 8.390 min Scan# 902
Delta R.T. -0.010 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion: 45 Resp: 226458

Ion	Ratio	Lower	Upper
45	100		
77	8.9	0.0	29.0
79	5.8	0.0	26.6

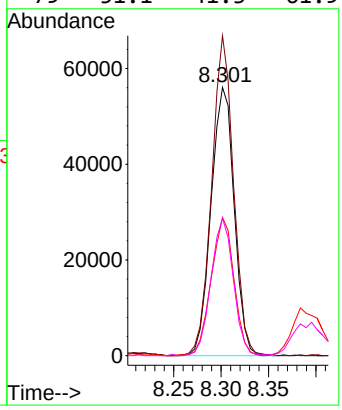




#17
2-Methylphenol
Concen: 47.788 ng
RT: 8.301 min Scan# 8
Delta R.T. 0.002 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:107 Resp: 9496

Ion	Ratio	Lower	Upper
107	100		
108	119.2	92.5	138.7
77	51.5	40.5	60.7
79	51.1	41.3	61.9



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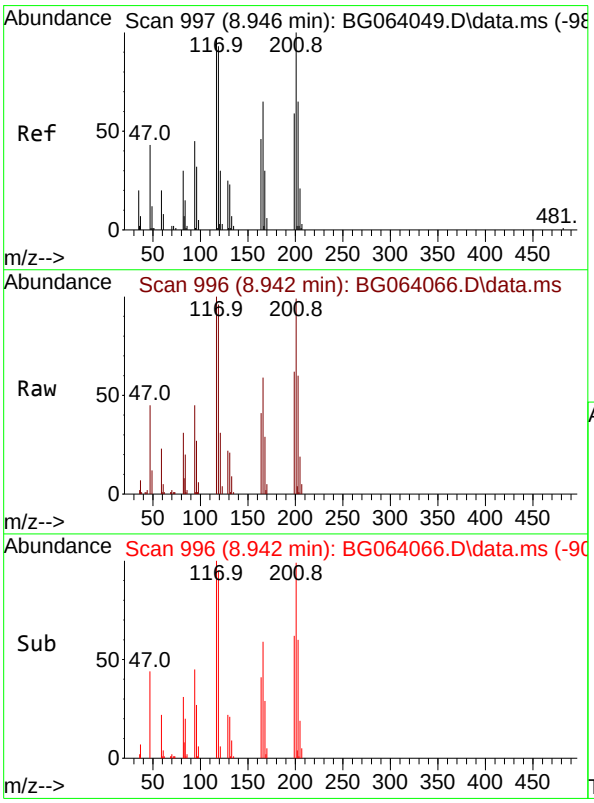
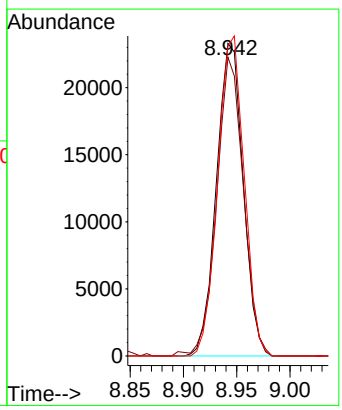
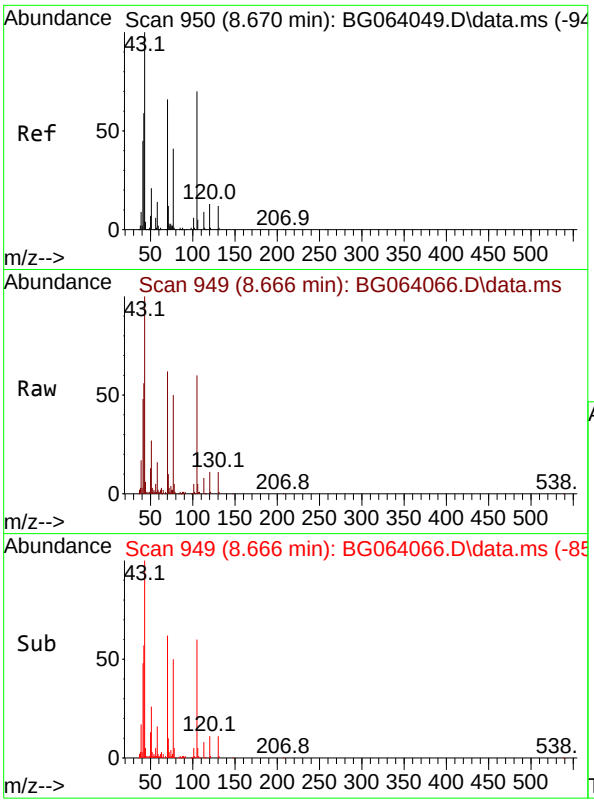


#18
Hexachloroethane
Concen: 44.744 ng
RT: 8.942 min Scan# 996
Delta R.T. -0.004 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:117 Resp: 40682

Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.2	114.2
201	99.2	81.5	122.3

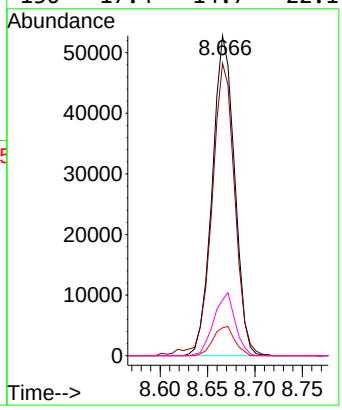




#19
n-Nitroso-di-n-propylamine
Concen: 42.142 ng
RT: 8.666 min Scan# 94
Delta R.T. -0.004 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion: 70 Resp: 8649

Ion	Ratio	Lower	Upper
70	100		
42	91.4	72.1	108.1
101	8.7	7.2	10.8
130	17.4	14.7	22.1



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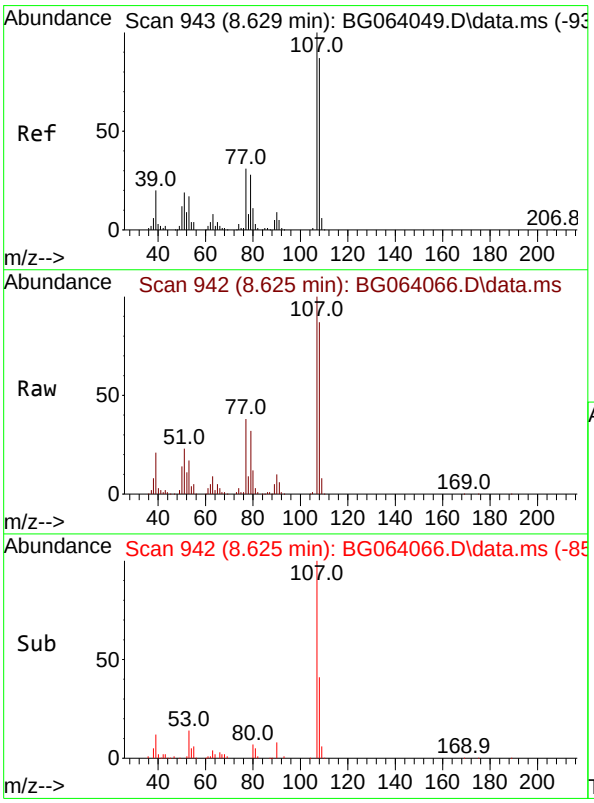
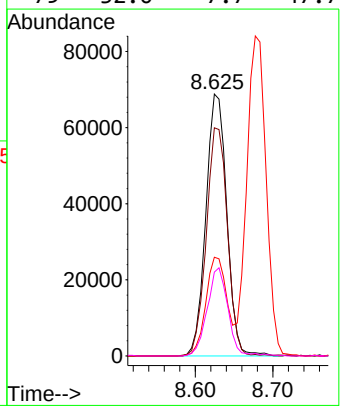
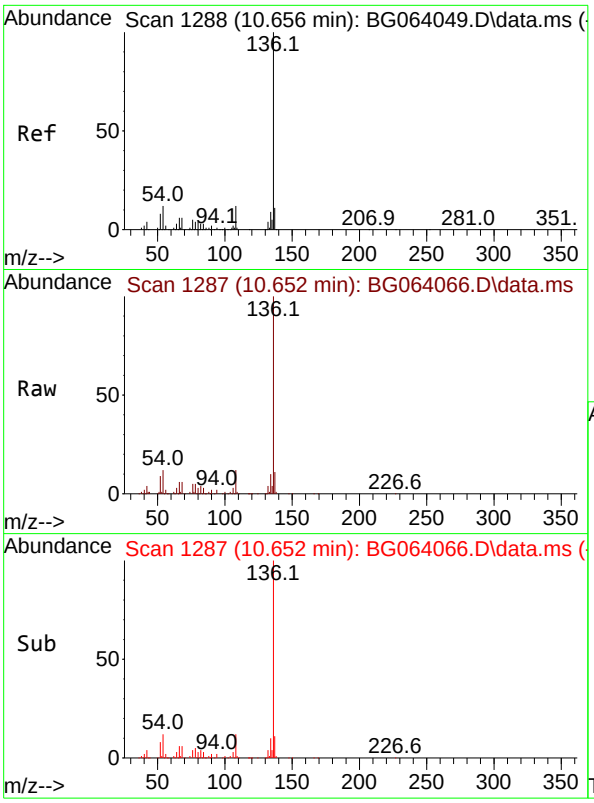


#20
3+4-Methylphenols
Concen: 47.169 ng
RT: 8.625 min Scan# 942
Delta R.T. -0.004 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:107 Resp: 129042

Ion	Ratio	Lower	Upper
107	100		
108	87.1	67.0	107.0
77	37.7	11.2	51.2
79	32.0	7.7	47.7

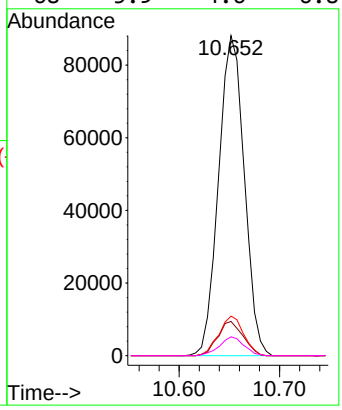




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.652 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:136 Resp: 15663

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.5	12.7
54	12.7	9.9	14.9
68	5.9	4.6	6.8



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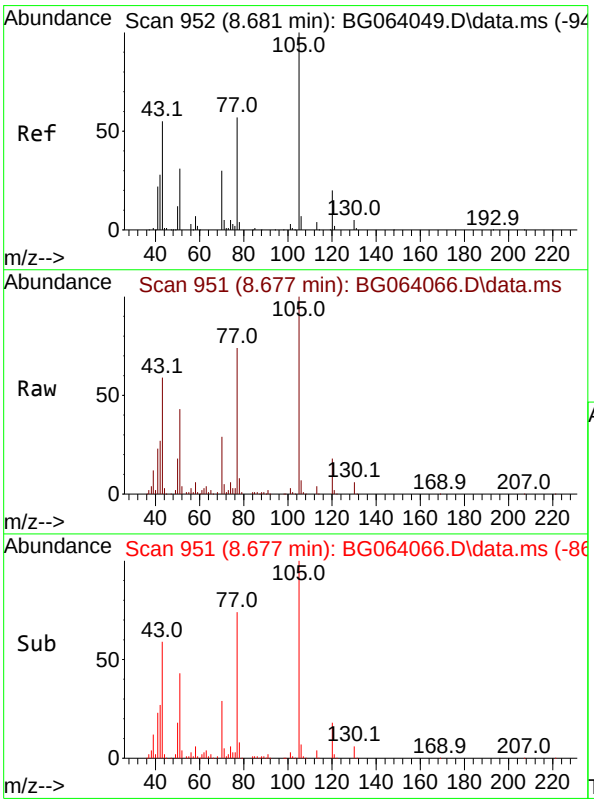
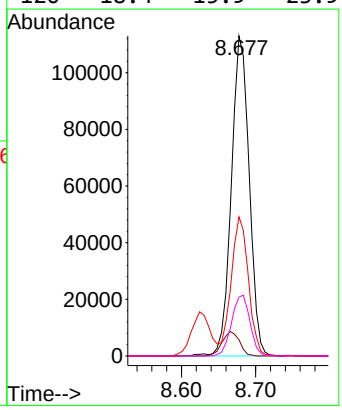
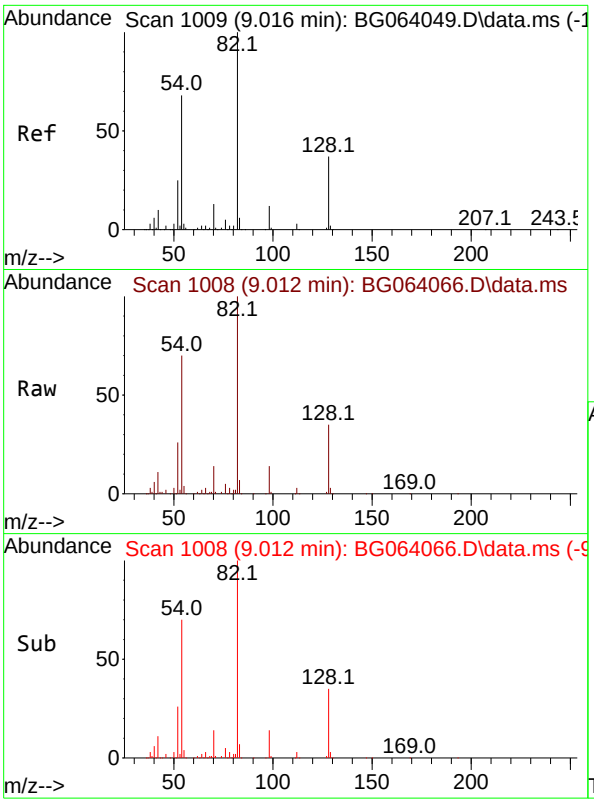


#22
Acetophenone
Concen: 44.006 ng
RT: 8.677 min Scan# 951
Delta R.T. -0.004 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:105 Resp: 188992

Ion	Ratio	Lower	Upper
105	100		
71	5.0	4.2	6.4
51	43.4	33.3	49.9
120	18.4	15.9	23.9

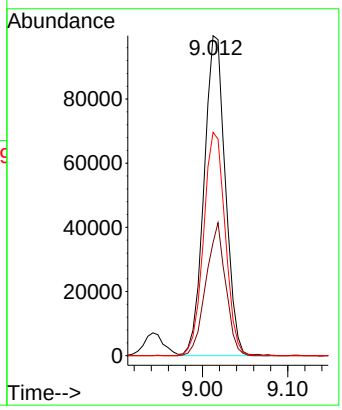




#23
Nitrobenzene-d5
Concen: 61.074 ng
RT: 9.012 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion: 82 Resp: 17311

Ion	Ratio	Lower	Upper
82	100		
128	35.3	30.0	45.0
54	69.8	54.7	82.1



Instrument :
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ClientSampleId :
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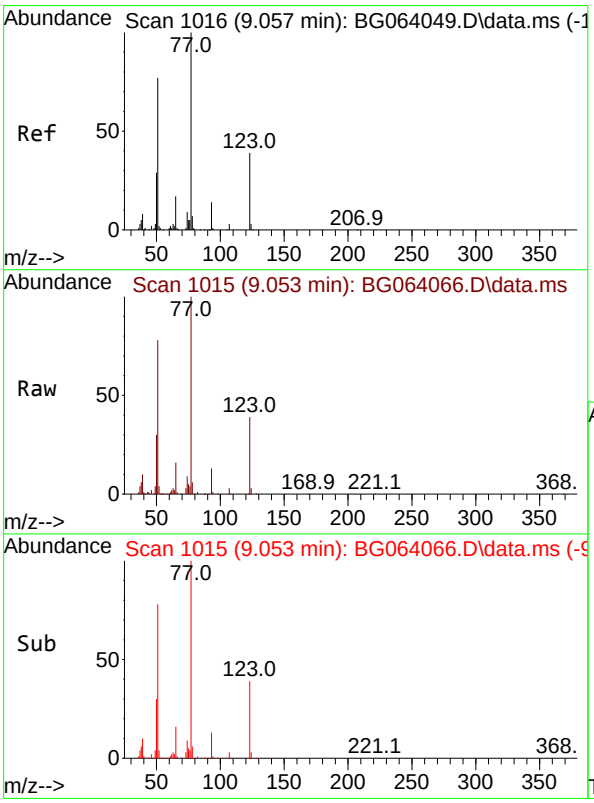
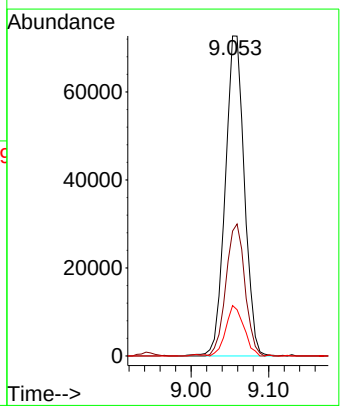
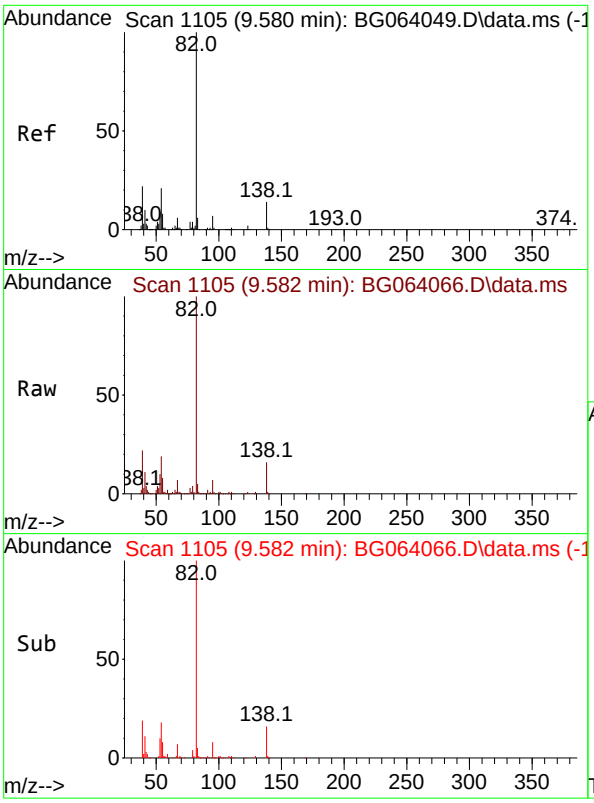


#24
Nitrobenzene
Concen: 42.637 ng
RT: 9.053 min Scan# 1015
Delta R.T. -0.004 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion: 77 Resp: 124896

Ion	Ratio	Lower	Upper
77	100		
123	39.0	31.4	47.2
65	15.8	13.4	20.0

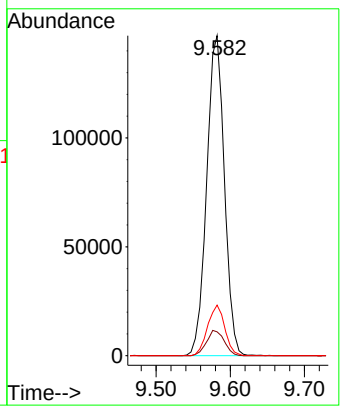




#25
Isophorone
Concen: 42.962 ng
RT: 9.582 min Scan# 11
Delta R.T. 0.002 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion: 82 Resp: 24373

Ion	Ratio	Lower	Upper
82	100		
95	7.4	5.8	8.8
138	15.8	10.9	16.3



Instrument :
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ClientSampleId :
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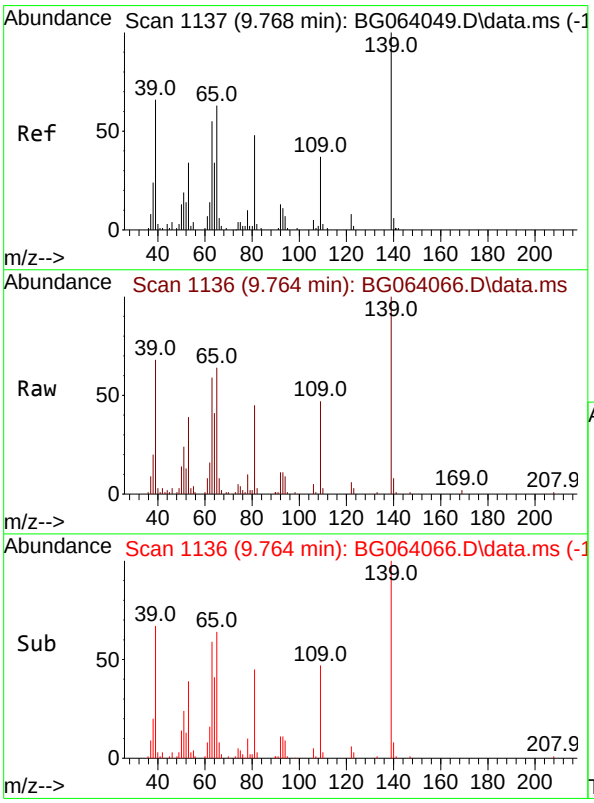
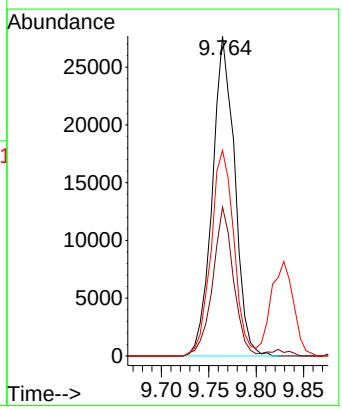
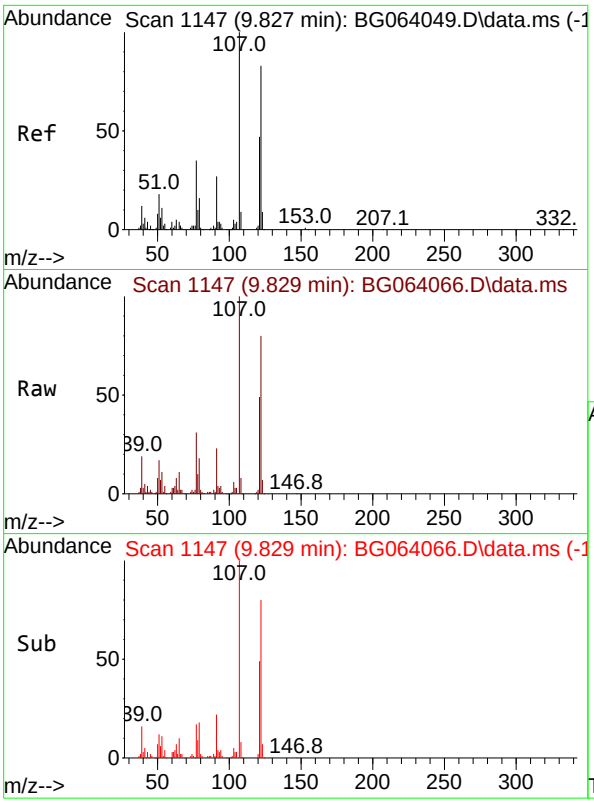


#26
2-Nitrophenol
Concen: 45.328 ng
RT: 9.764 min Scan# 1136
Delta R.T. -0.004 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:139 Resp: 45272

Ion	Ratio	Lower	Upper
139	100		
109	46.5	29.9	44.9#
65	64.2	50.6	76.0

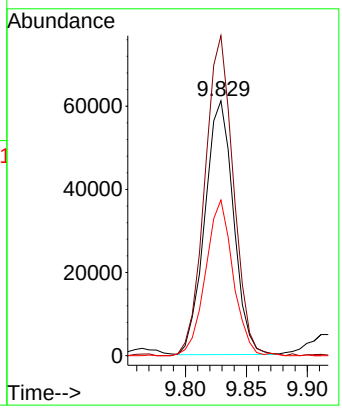




#27
2,4-Dimethylphenol
Concen: 58.752 ng
RT: 9.829 min Scan# 11
Delta R.T. 0.002 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:122 Resp: 9992

Ion	Ratio	Lower	Upper
122	100		
107	125.5	95.4	143.0
121	61.1	44.9	67.3



Instrument :
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ClientSampleId :
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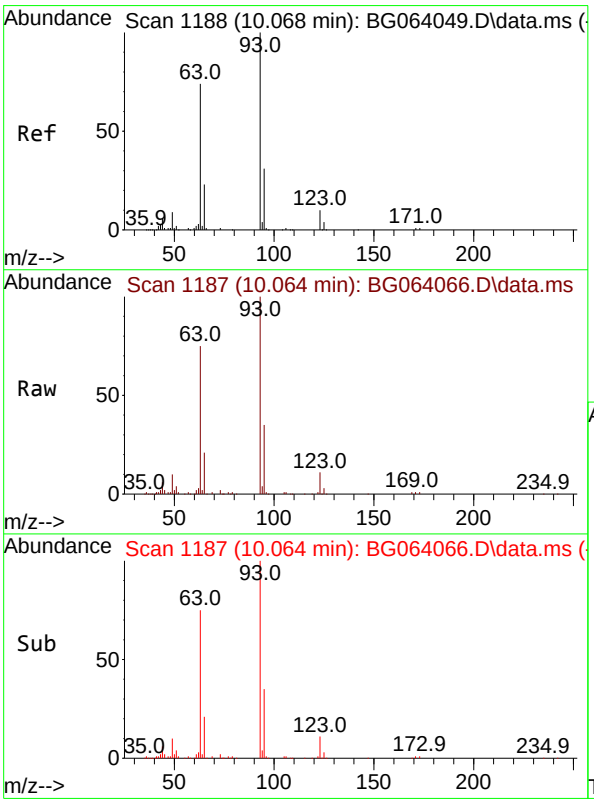
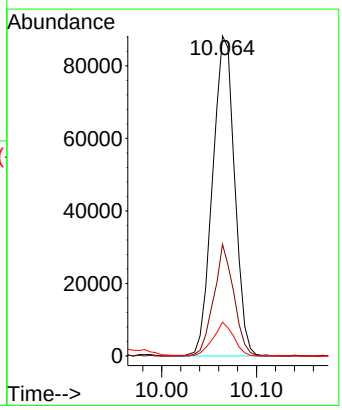
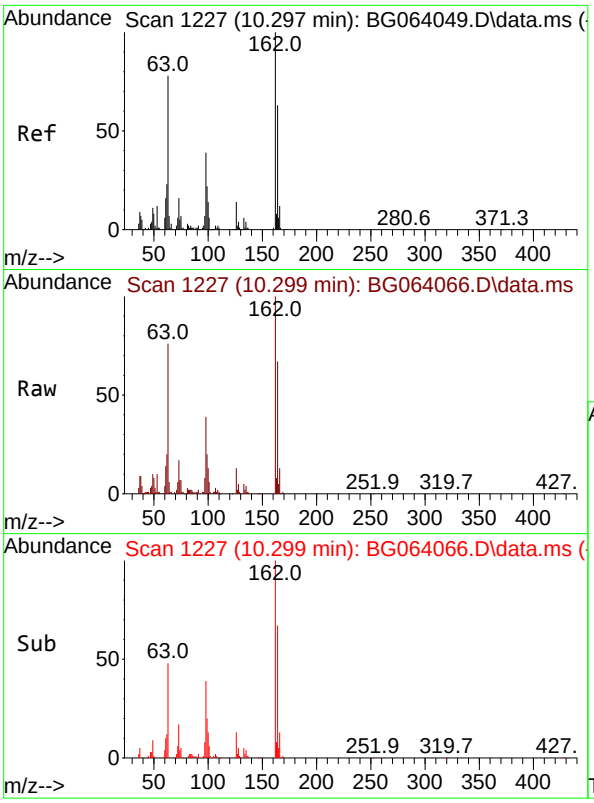


#28
bis(2-Chloroethoxy)methane
Concen: 41.365 ng
RT: 10.064 min Scan# 1187
Delta R.T. -0.004 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion: 93 Resp: 142280

Ion	Ratio	Lower	Upper
93	100		
95	34.9	25.0	37.4
123	10.5	7.6	11.4

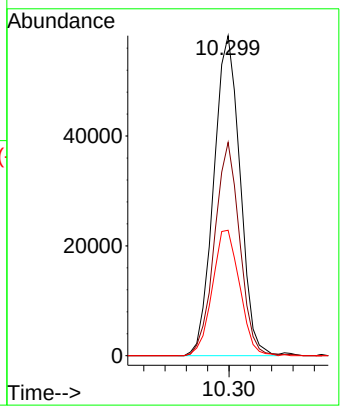




#29
2,4-Dichlorophenol
Concen: 46.472 ng
RT: 10.299 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:162 Resp: 9980

Ion	Ratio	Lower	Upper
162	100		
164	66.6	42.8	82.8
98	39.2	19.1	59.1



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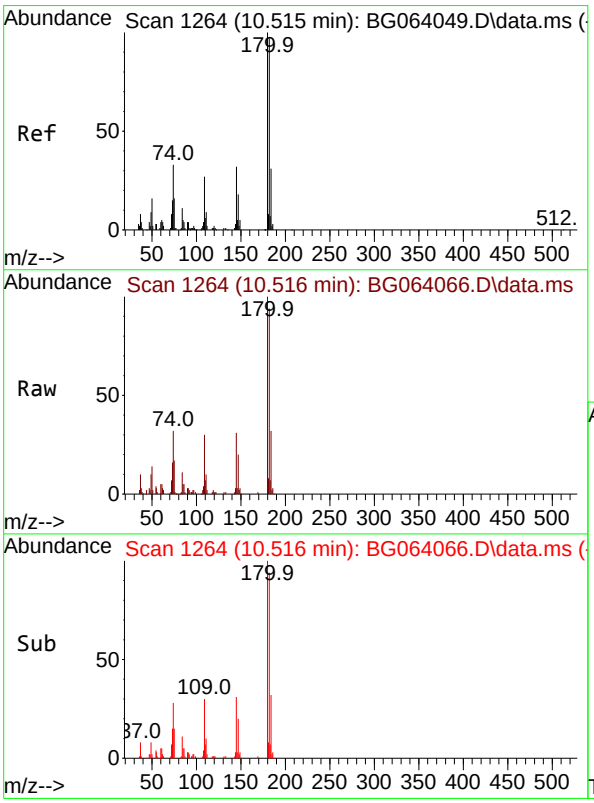
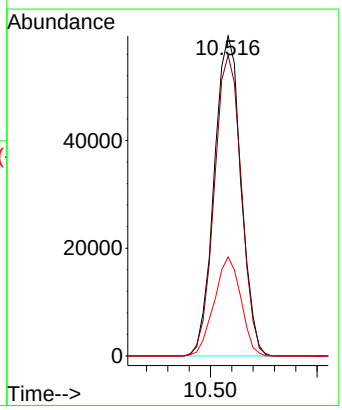
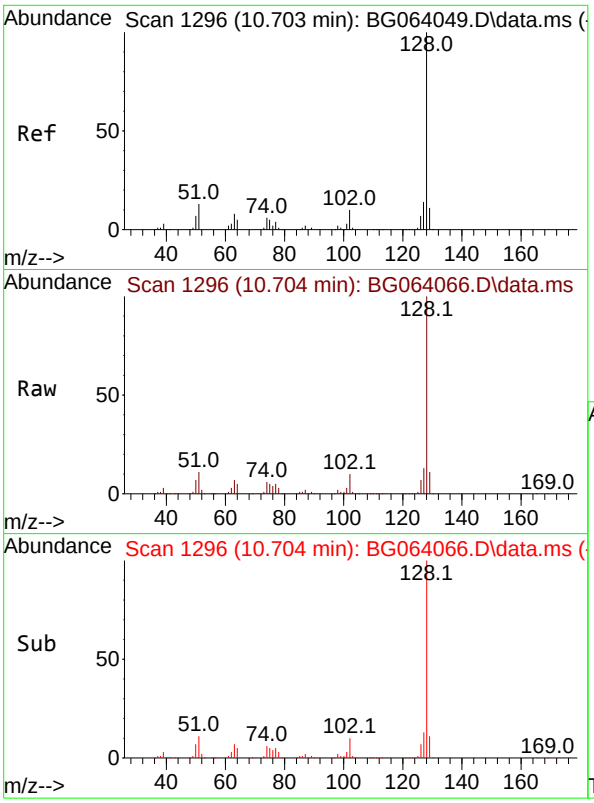


#30
1,2,4-Trichlorobenzene
Concen: 39.808 ng
RT: 10.516 min Scan# 1264
Delta R.T. 0.002 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:180 Resp: 103202

Ion	Ratio	Lower	Upper
180	100		
182	94.0	77.3	115.9
145	31.0	25.2	37.8

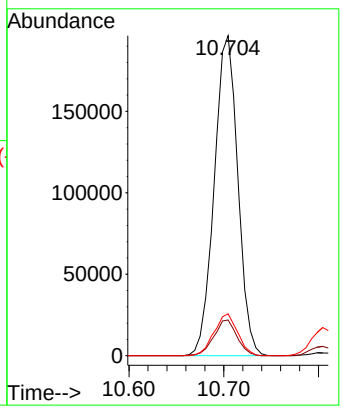




#31
Naphthalene
Concen: 40.175 ng
RT: 10.704 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:128 Resp: 33933

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.4	12.6
127	13.1	11.1	16.7



Instrument :
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ClientSampleId :
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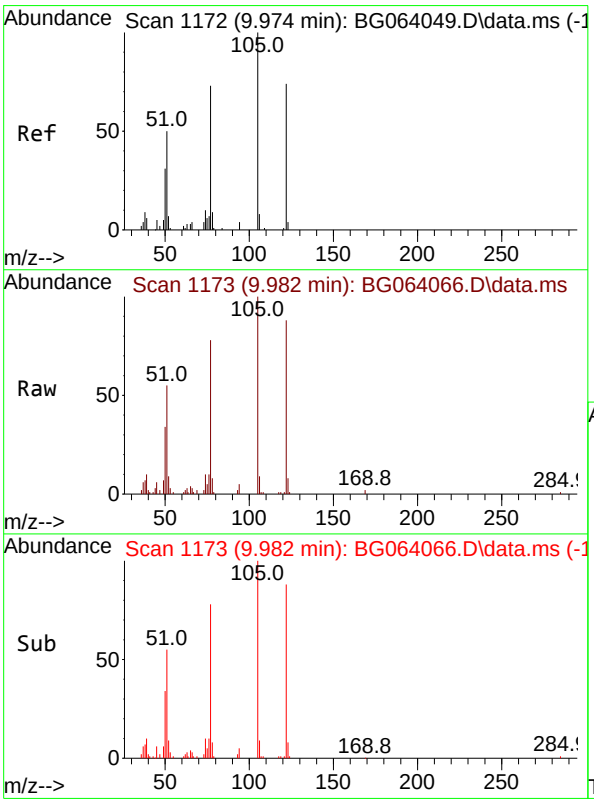
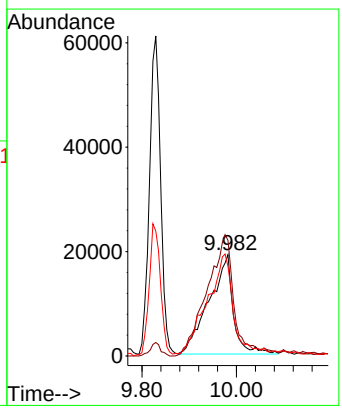
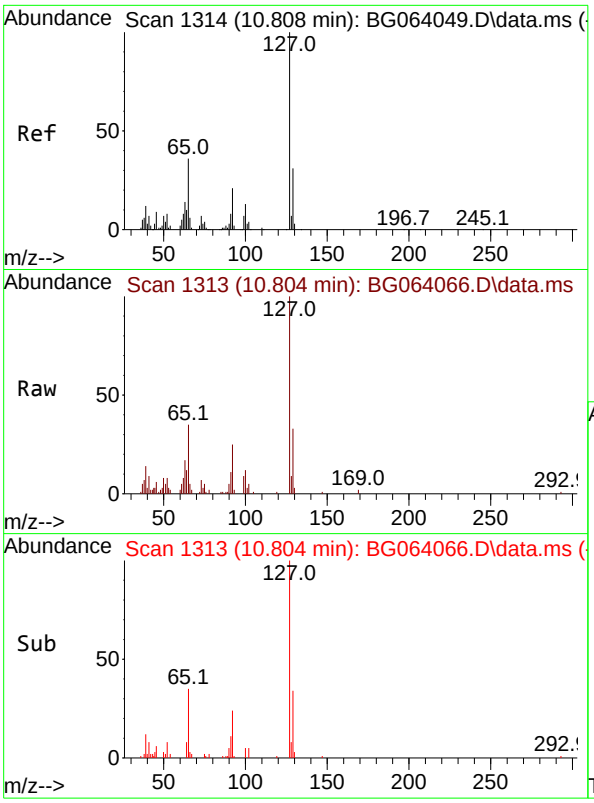


#32
Benzoic acid
Concen: 44.427 ng m
RT: 9.982 min Scan# 1173
Delta R.T. 0.008 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:122 Resp: 68153

Ion	Ratio	Lower	Upper
122	100		
105	114.2	115.0	155.0#
77	88.6	80.9	120.9

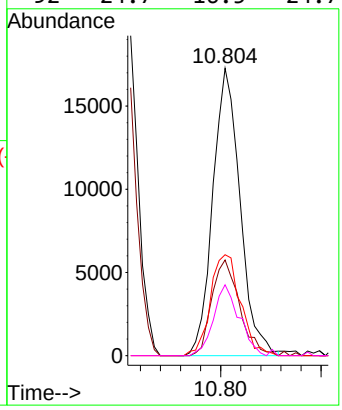




#33
4-Chloroaniline
Concen: 10.545 ng
RT: 10.804 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:127 Resp: 3255

Ion	Ratio	Lower	Upper
127	100		
129	33.3	25.0	37.4
65	35.2	28.5	42.7
92	24.7	16.5	24.7



Instrument :
BNA_G
ClientSampleId :
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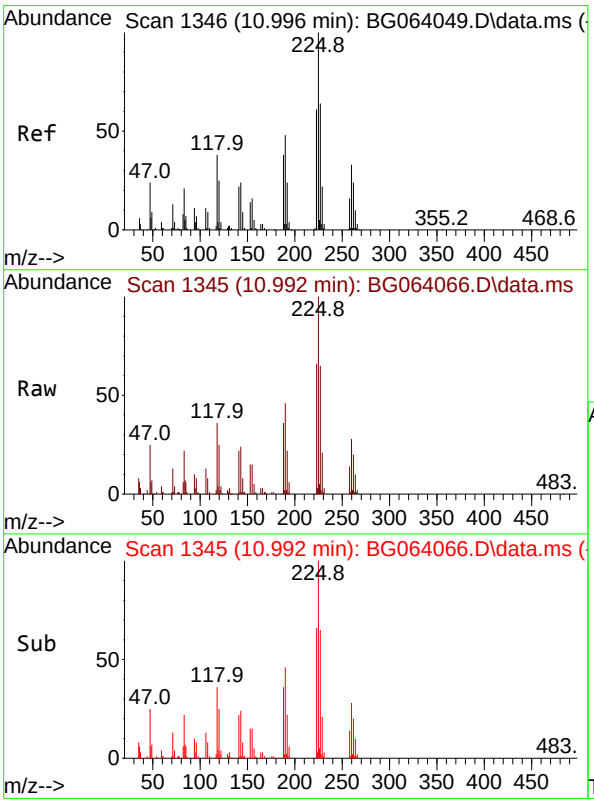
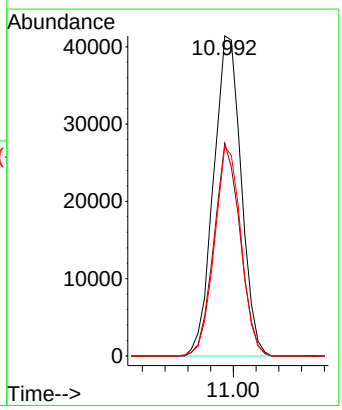
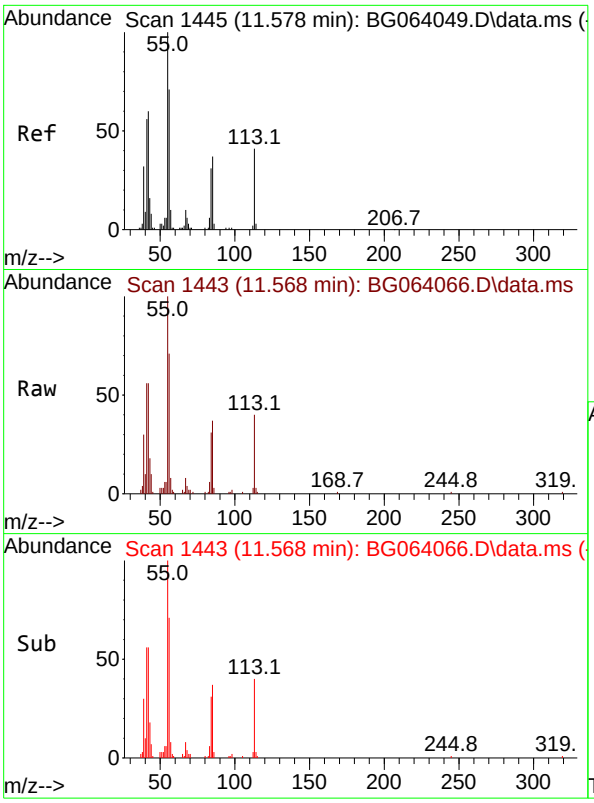


#34
Hexachlorobutadiene
Concen: 41.081 ng
RT: 10.992 min Scan# 1345
Delta R.T. -0.004 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:225 Resp: 69808

Ion	Ratio	Lower	Upper
225	100		
223	66.5	48.5	72.7
227	67.8	51.0	76.6

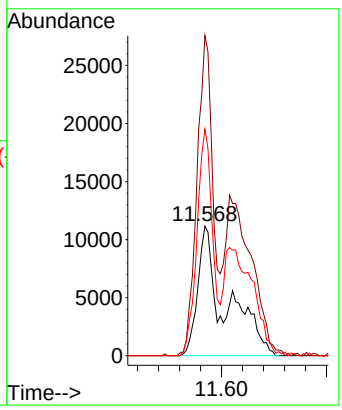




#35
Caprolactam
Concen: 49.751 ng m
RT: 11.568 min Scan# 14
Delta R.T. -0.010 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:113 Resp: 4094

Ion	Ratio	Lower	Upper
113	100		
55	247.1	225.2	265.2
56	174.9	153.4	193.4



Instrument :
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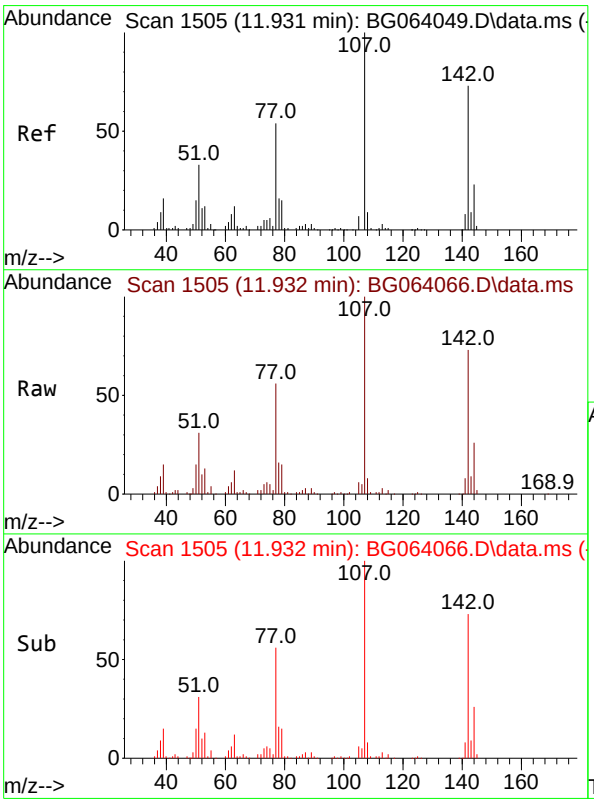
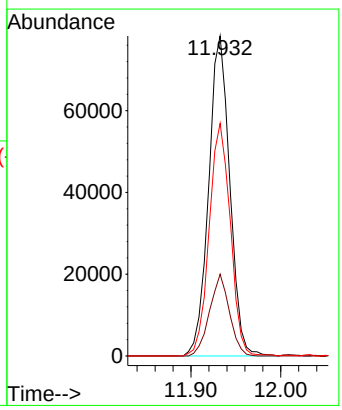
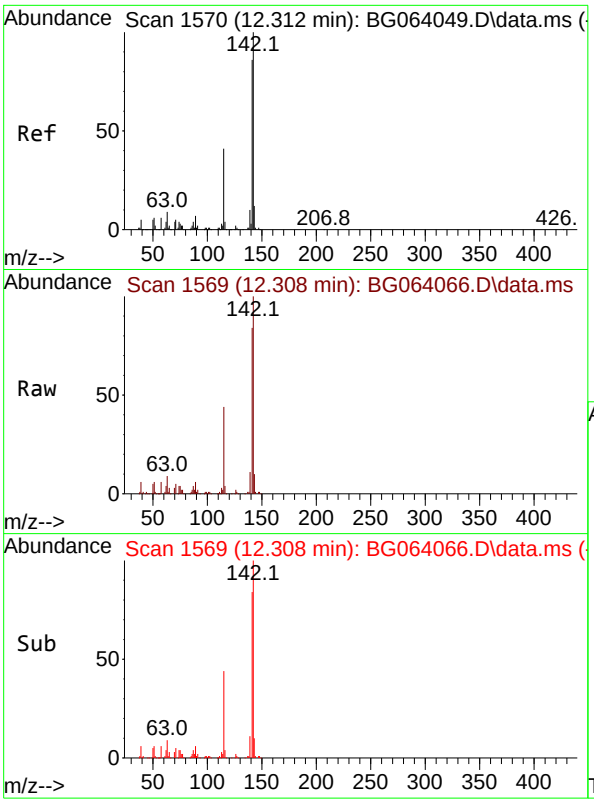


#36
4-Chloro-3-methylphenol
Concen: 45.447 ng
RT: 11.932 min Scan# 1505
Delta R.T. 0.002 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:107 Resp: 127938

Ion	Ratio	Lower	Upper
107	100		
144	25.5	18.6	28.0
142	72.7	58.0	87.0

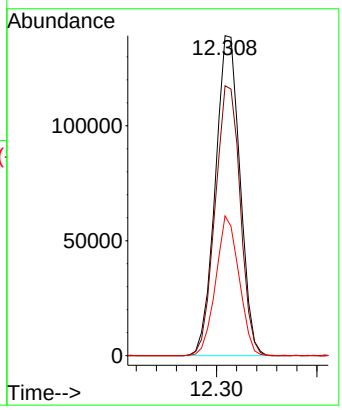




#37
2-Methylnaphthalene
Concen: 39.792 ng
RT: 12.308 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:142 Resp: 23726

Ion	Ratio	Lower	Upper
142	100		
141	84.3	68.6	103.0
115	43.7	32.8	49.2



Instrument :
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ClientSampleId :
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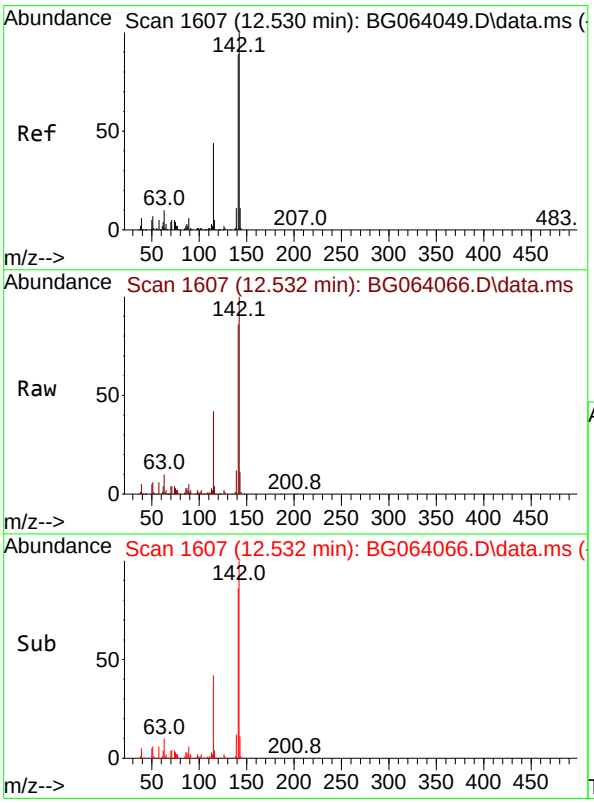
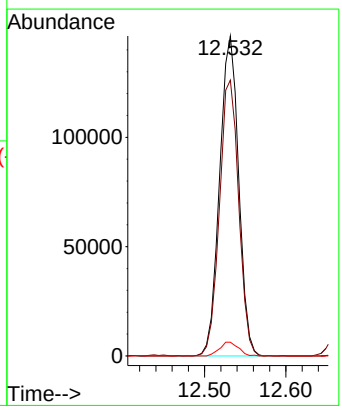
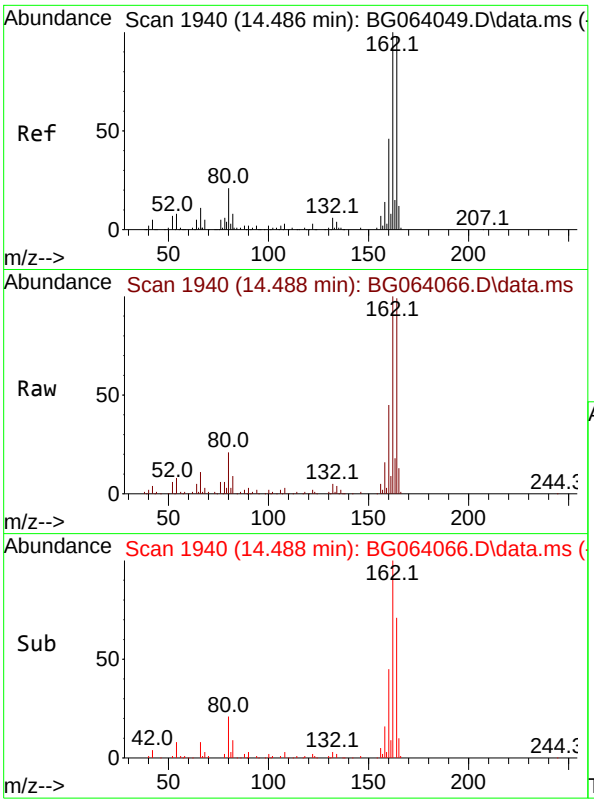


#38
1-Methylnaphthalene
Concen: 40.877 ng
RT: 12.532 min Scan# 1607
Delta R.T. 0.002 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:142 Resp: 238794

Ion	Ratio	Lower	Upper
142	100		
141	86.2	71.2	106.8
116	4.3	3.6	5.4

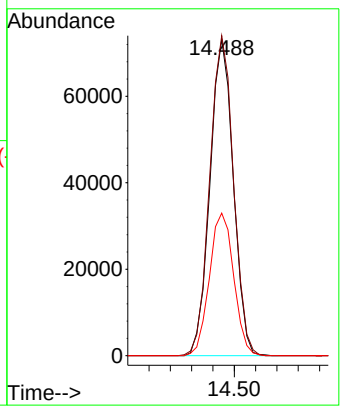




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.488 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:164 Resp: 11098

Ion	Ratio	Lower	Upper
164	100		
162	101.1	81.4	122.0
160	45.1	37.0	55.6



Instrument :
BNA_G
ClientSampleId :
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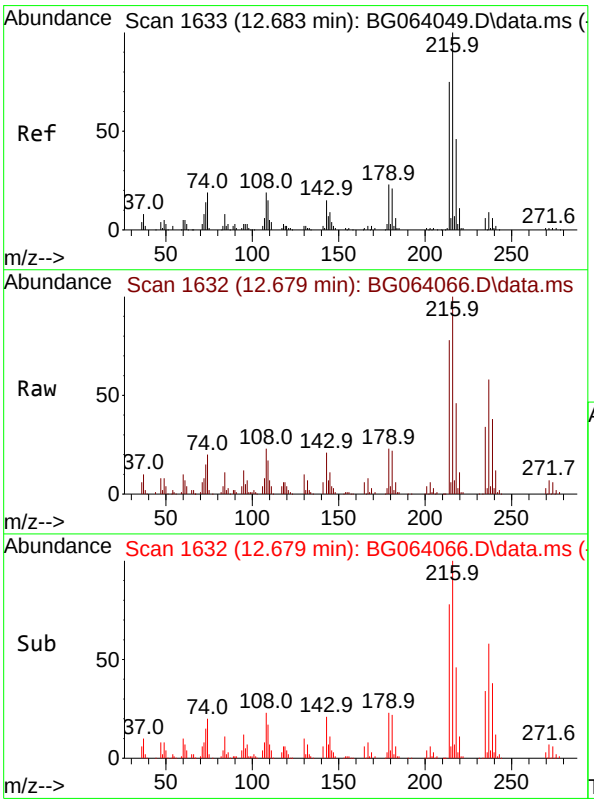
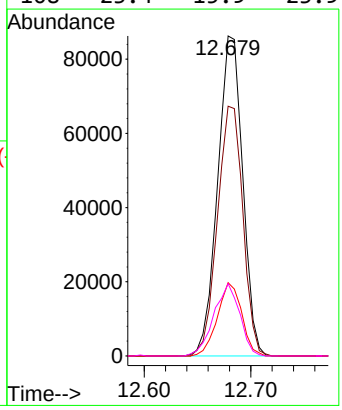
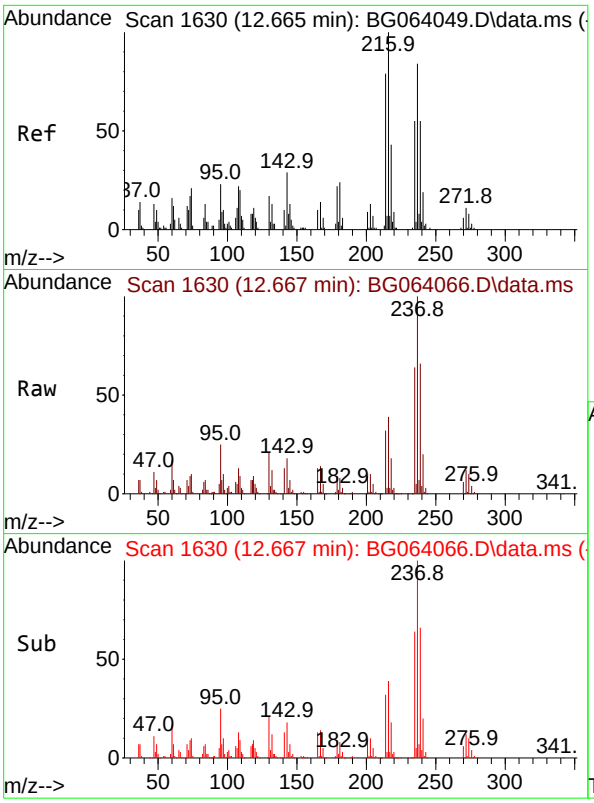


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.381 ng
RT: 12.679 min Scan# 1632
Delta R.T. -0.004 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:216 Resp: 140623

Ion	Ratio	Lower	Upper
216	100		
214	79.2	61.7	92.5
179	22.2	17.9	26.9
108	23.4	15.9	23.9

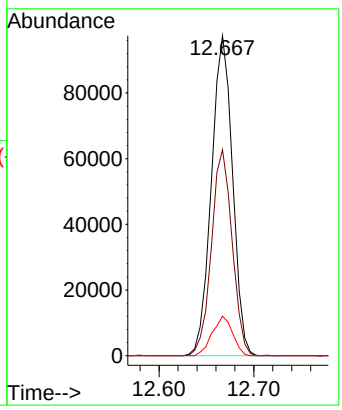




#41
Hexachlorocyclopentadiene
Concen: 168.953 ng
RT: 12.667 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:237 Resp: 15067

Ion	Ratio	Lower	Upper
237	100		
235	64.4	46.0	86.0
272	12.3	0.0	32.8



Instrument :
BNA_G
ClientSampleId :
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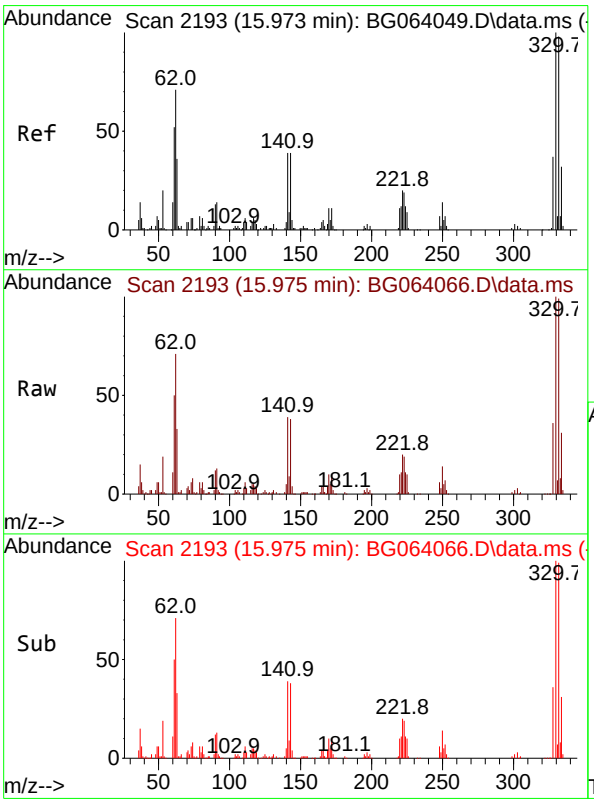
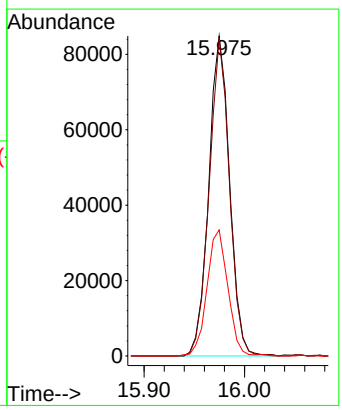
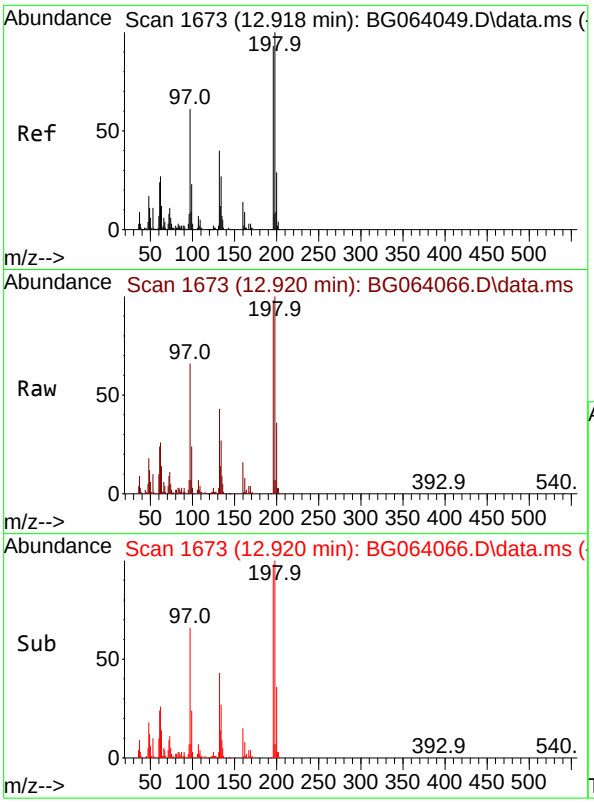


#42
2,4,6-Tribromophenol
Concen: 99.473 ng
RT: 15.975 min Scan# 2193
Delta R.T. 0.002 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:330 Resp: 122716

Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.7	115.1
141	39.5	29.7	44.5

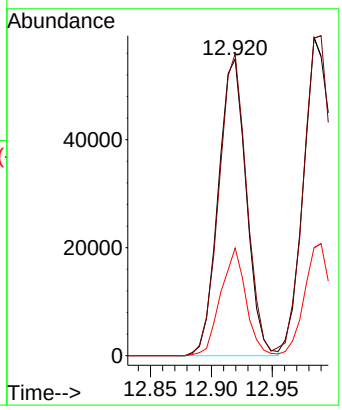




#43
2,4,6-Trichlorophenol
Concen: 47.124 ng
RT: 12.920 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:196 Resp: 8800

Ion	Ratio	Lower	Upper
196	100		
198	101.8	85.6	128.4
200	36.3	24.6	37.0



Instrument :
BNA_G
ClientSampleId :
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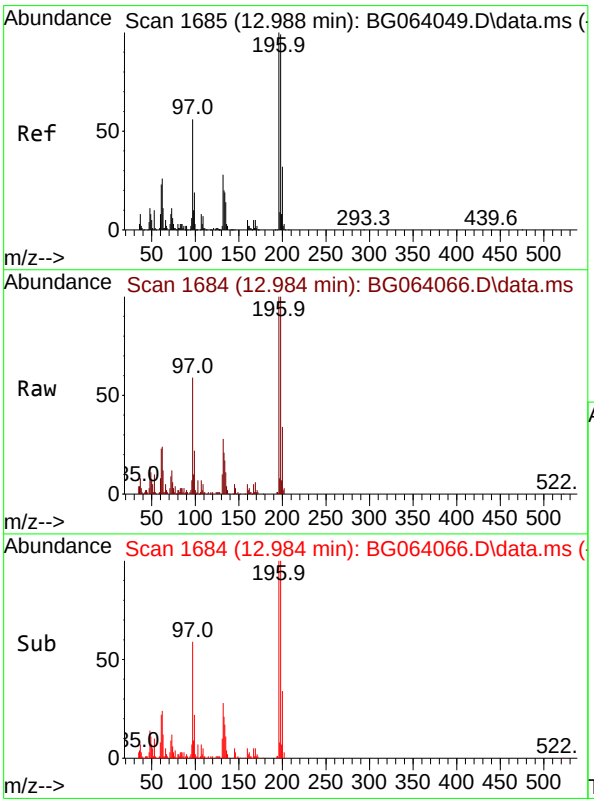
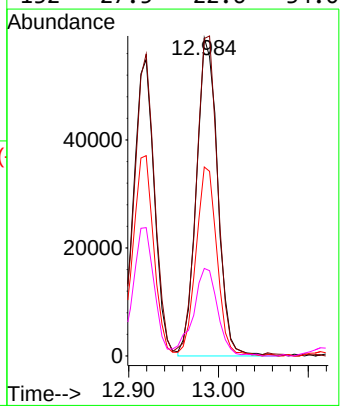
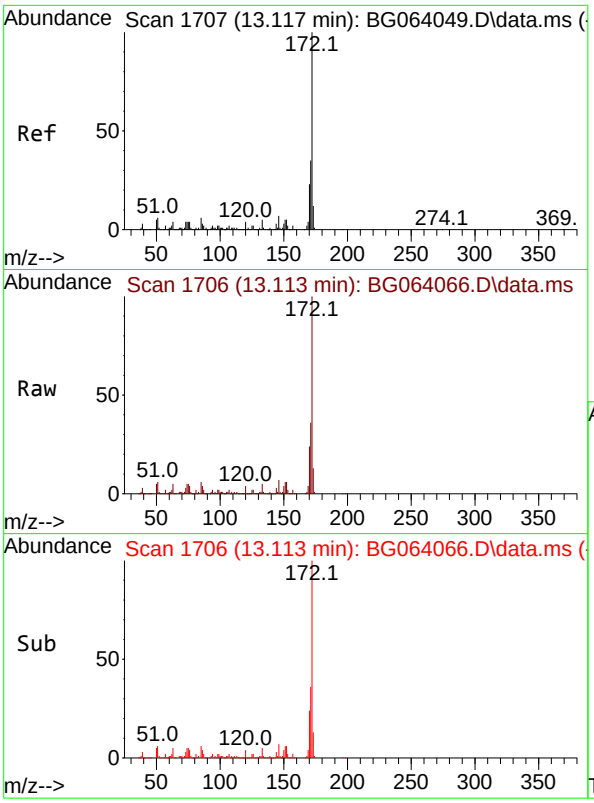


#44
2,4,5-Trichlorophenol
Concen: 46.735 ng
RT: 12.984 min Scan# 1684
Delta R.T. -0.004 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:196 Resp: 96973

Ion	Ratio	Lower	Upper
196	100		
198	99.8	79.5	119.3
97	59.4	45.2	67.8
132	27.5	22.6	34.0

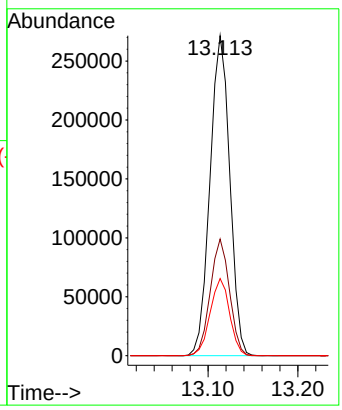




#45
2-Fluorobiphenyl
Concen: 56.773 ng
RT: 13.113 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:172 Resp: 41511

Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.0	42.0
170	24.1	18.7	28.1



Instrument :
BNA_G
ClientSampleId :
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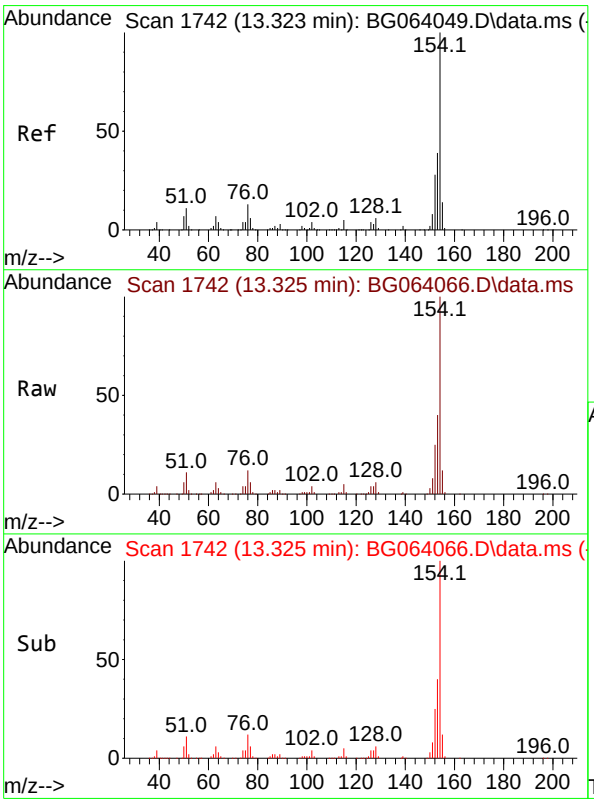
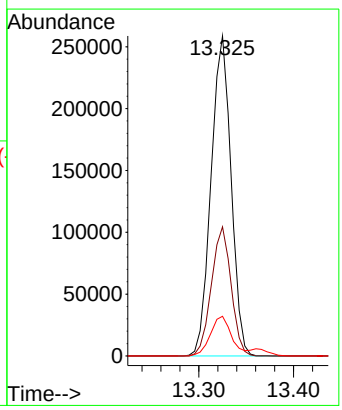
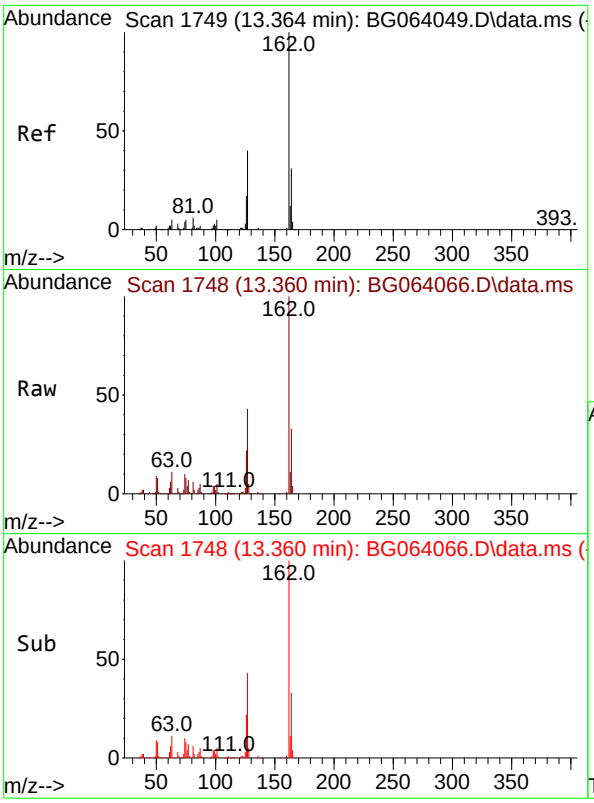


#46
1,1'-Biphenyl
Concen: 45.123 ng
RT: 13.325 min Scan# 1742
Delta R.T. 0.002 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:154 Resp: 378352

Ion	Ratio	Lower	Upper
154	100		
153	40.3	19.5	59.5
76	12.4	0.0	33.5

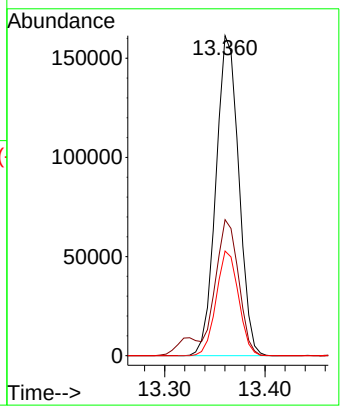




#47
2-Chloronaphthalene
Concen: 41.697 ng
RT: 13.360 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:162 Resp: 25499

Ion	Ratio	Lower	Upper
162	100		
127	42.5	35.0	52.4
164	32.7	25.0	37.6



Instrument :
BNA_G
ClientSampleId :
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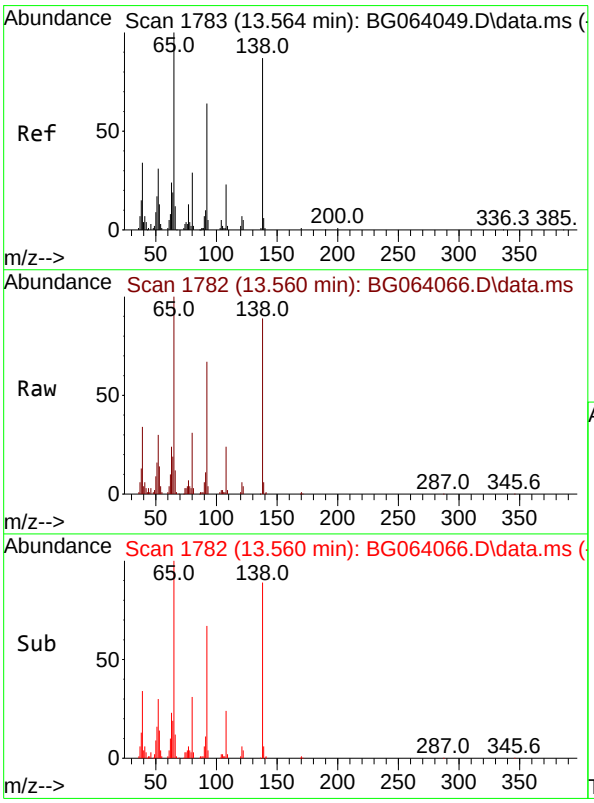
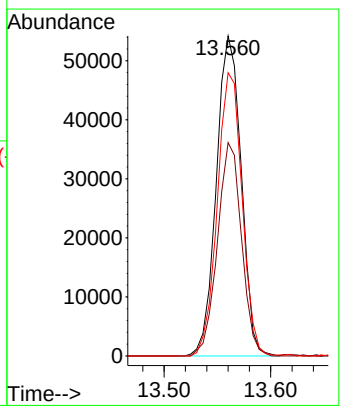
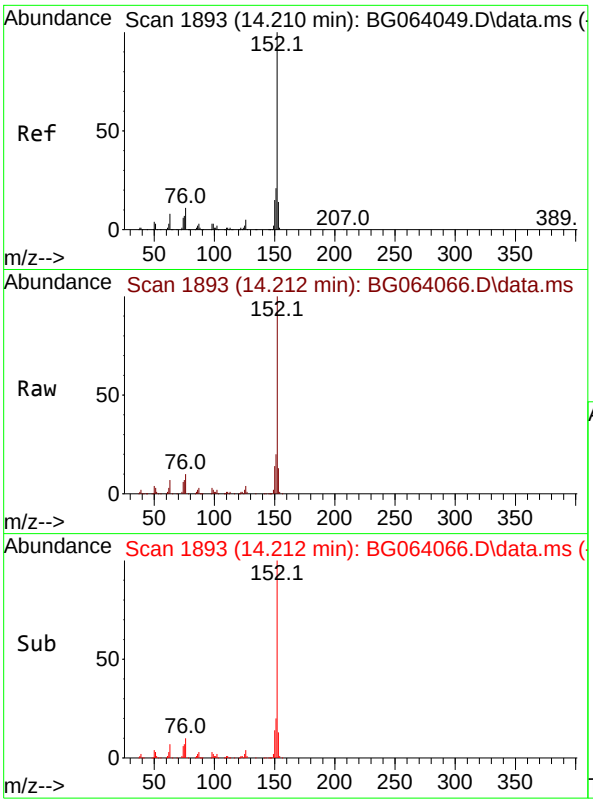


#48
2-Nitroaniline
Concen: 44.009 ng
RT: 13.560 min Scan# 1782
Delta R.T. -0.004 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion: 65 Resp: 87730

Ion	Ratio	Lower	Upper
65	100		
92	66.7	51.2	76.8
138	88.5	69.4	104.2

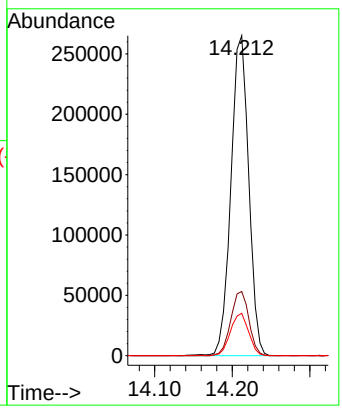




#49
Acenaphthylene
Concen: 43.752 ng
RT: 14.212 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:152 Resp: 42320

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.4	24.6
153	13.2	10.9	16.3



Instrument :
BNA_G
ClientSampleId :
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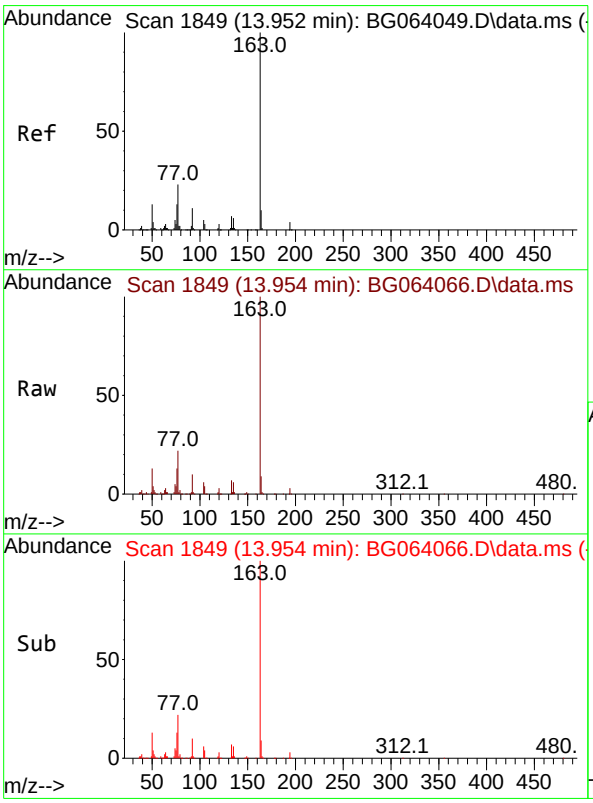
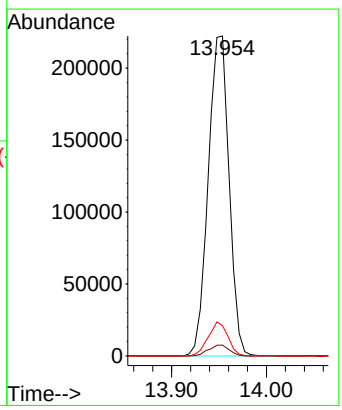
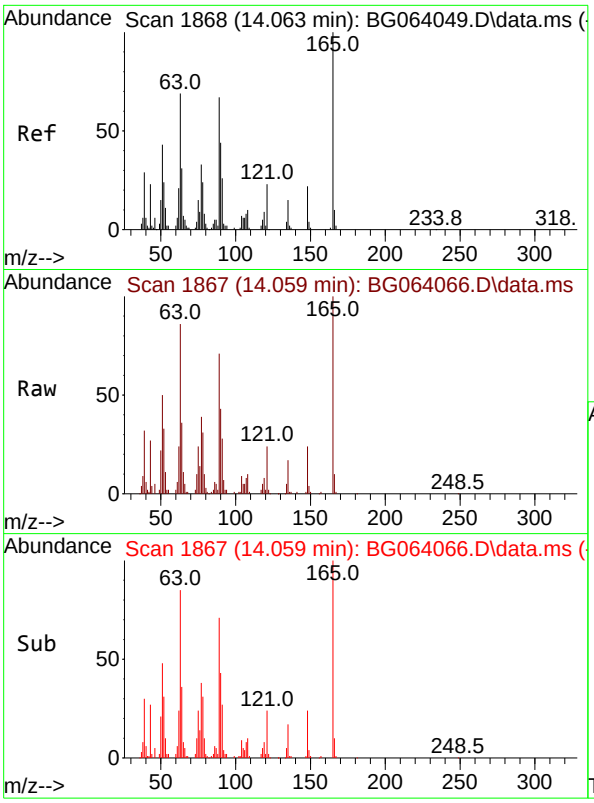


#50
Dimethylphthalate
Concen: 41.431 ng
RT: 13.954 min Scan# 1849
Delta R.T. 0.002 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:163 Resp: 339425

Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.8	4.2
164	9.4	8.2	12.2

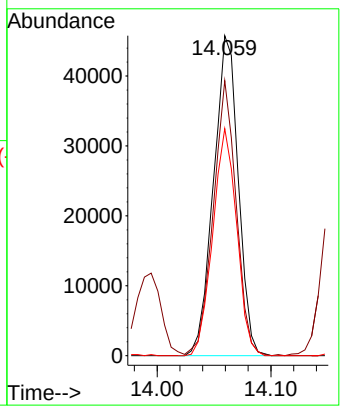




#51
2,6-Dinitrotoluene
Concen: 42.018 ng
RT: 14.059 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:165 Resp: 6908

Ion	Ratio	Lower	Upper
165	100		
63	85.9	56.7	85.1#
89	71.0	53.7	80.5



Instrument :
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ClientSampleId :
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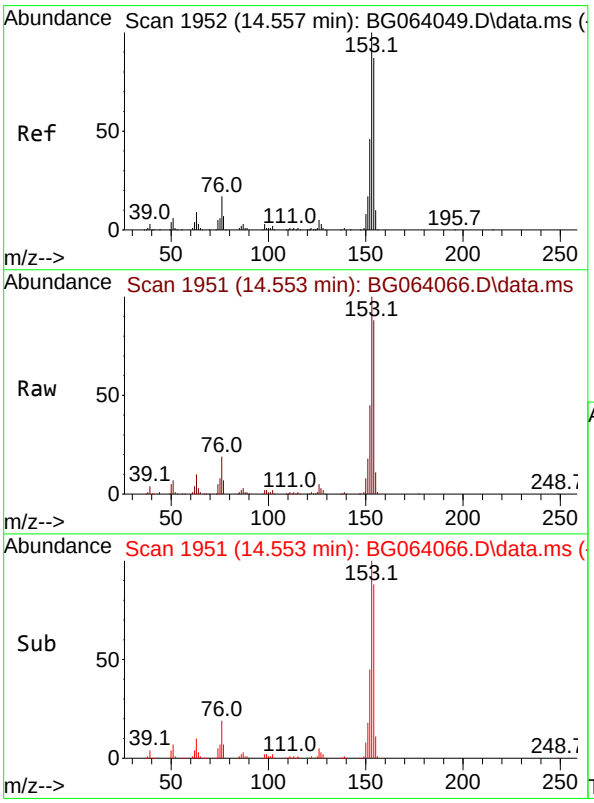
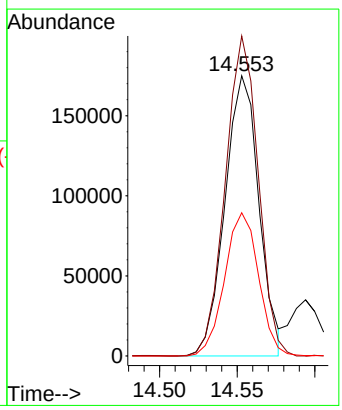
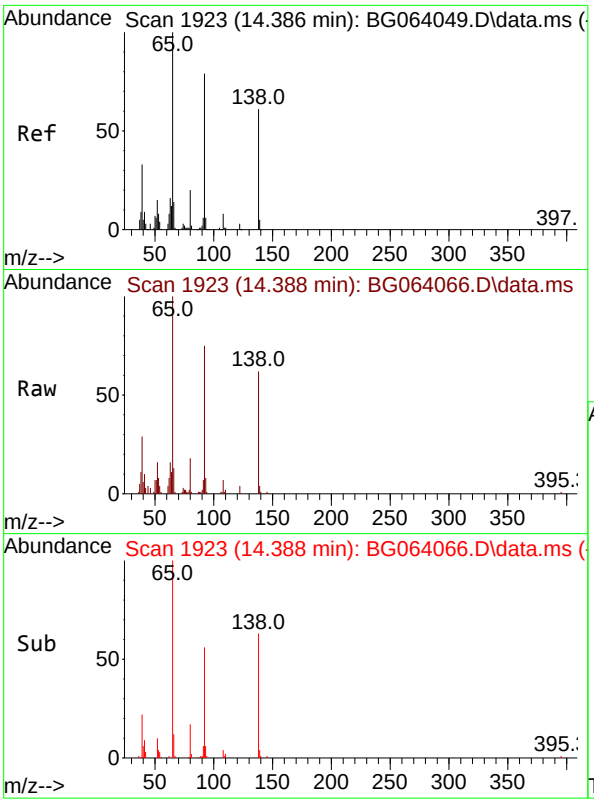


#52
Acenaphthene
Concen: 41.108 ng
RT: 14.553 min Scan# 1951
Delta R.T. -0.004 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:154 Resp: 266856

Ion	Ratio	Lower	Upper
154	100		
153	114.2	91.6	137.4
152	51.1	42.5	63.7

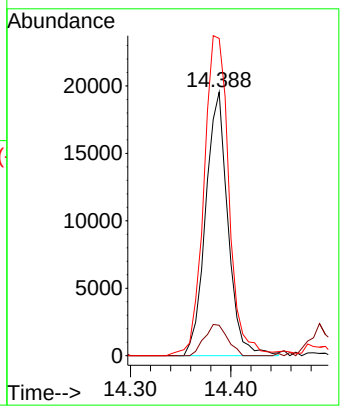




#53
3-Nitroaniline
Concen: 19.074 ng
RT: 14.388 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:138 Resp: 3020

Ion	Ratio	Lower	Upper
138	100		
108	11.5	10.1	15.1
92	120.4	104.1	156.1



Instrument :
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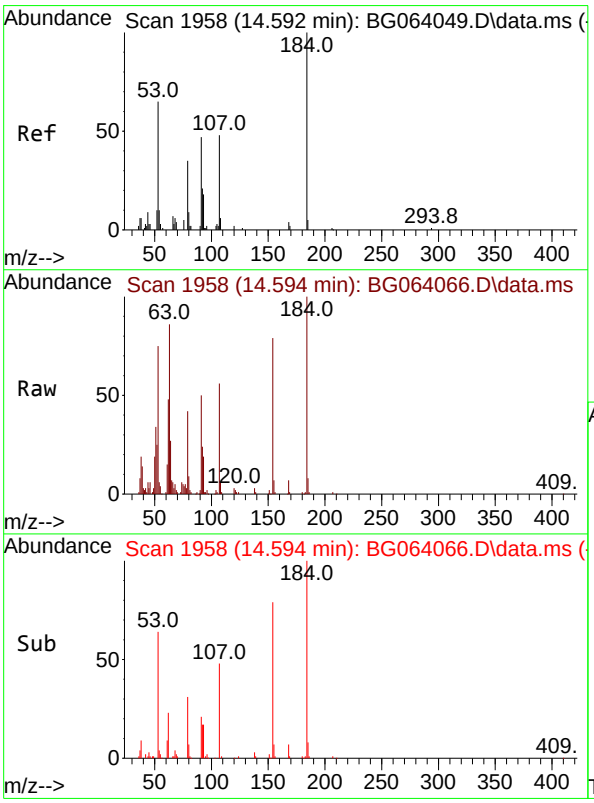
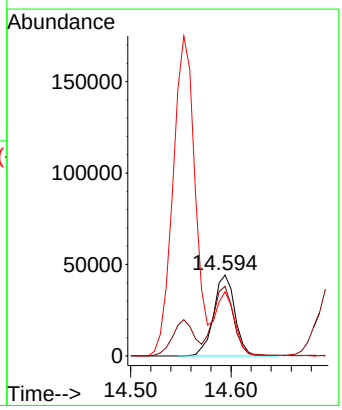
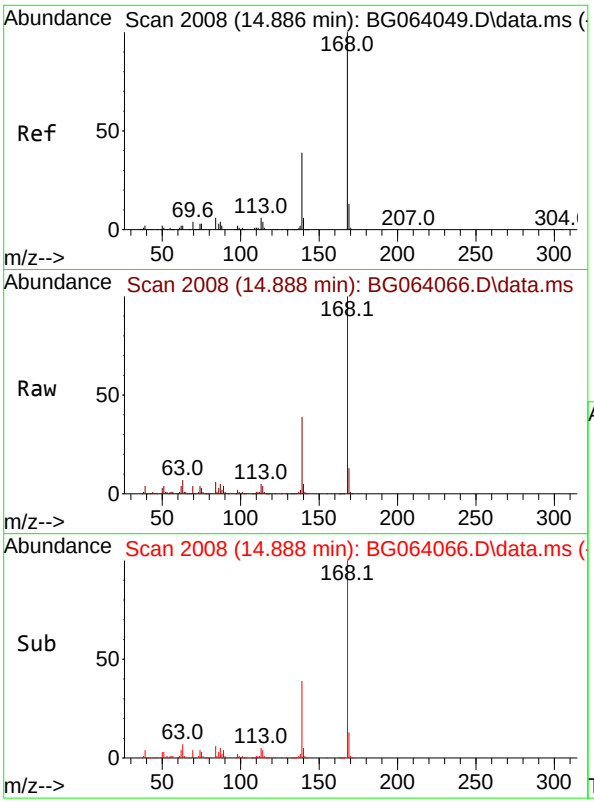


#54
2,4-Dinitrophenol
Concen: 92.618 ng
RT: 14.594 min Scan# 1958
Delta R.T. 0.002 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:184 Resp: 65137

Ion	Ratio	Lower	Upper
184	100		
63	86.3	57.5	86.3
154	79.5	52.3	78.5#

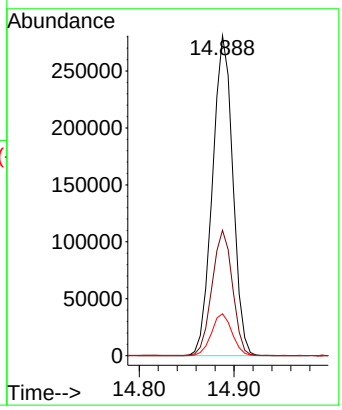




#55
Dibenzofuran
Concen: 39.864 ng
RT: 14.888 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:168 Resp: 41922

Ion	Ratio	Lower	Upper
168	100		
139	39.2	31.1	46.7
169	13.1	10.5	15.7



Instrument :
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ClientSampleId :
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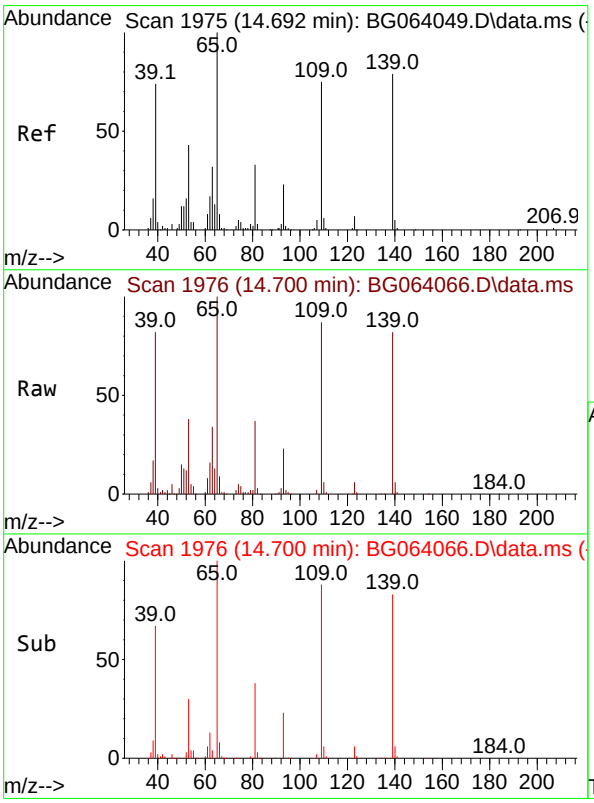
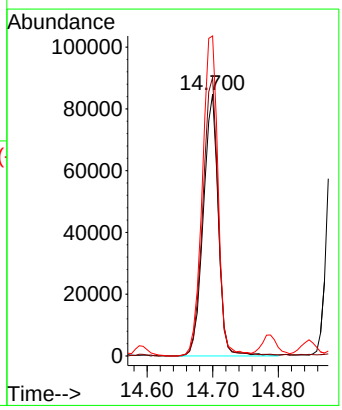
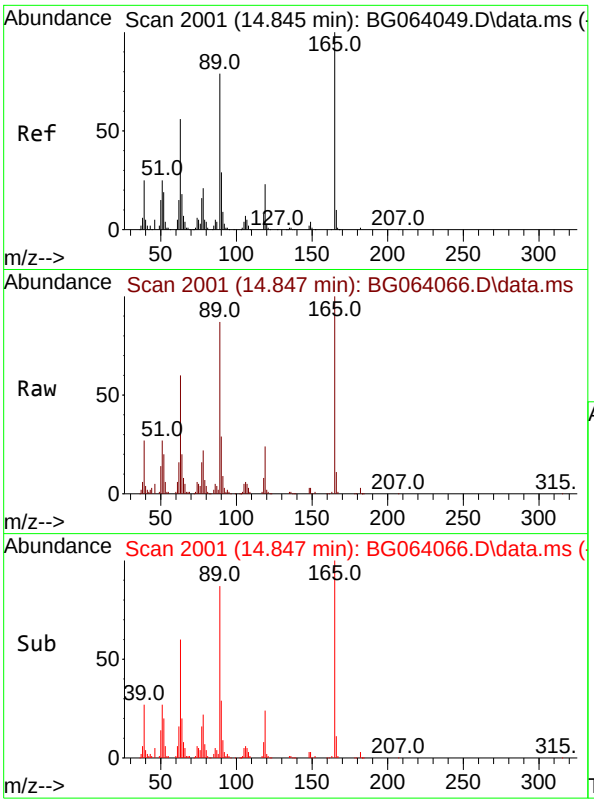


#56
4-Nitrophenol
Concen: 101.839 ng
RT: 14.700 min Scan# 1976
Delta R.T. 0.008 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:139 Resp: 135237

Ion	Ratio	Lower	Upper
139	100		
109	106.5	74.9	114.9
65	122.3	106.8	146.8

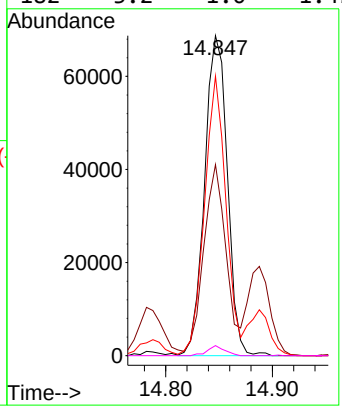




#57
2,4-Dinitrotoluene
Concen: 44.773 ng
RT: 14.847 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:165 Resp: 10207

Ion	Ratio	Lower	Upper
165	100		
63	59.7	45.0	67.6
89	87.3	63.1	94.7
182	3.2	1.0	1.4#



Instrument :
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ClientSampleId :
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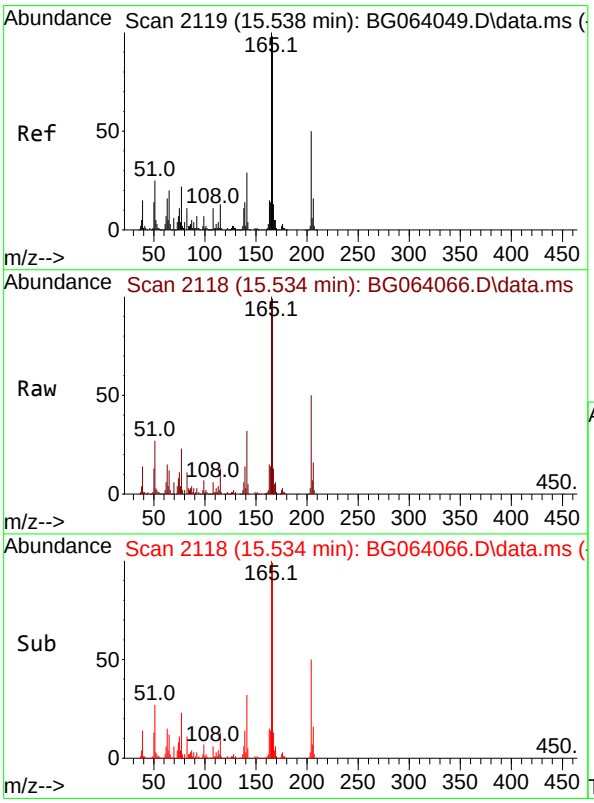
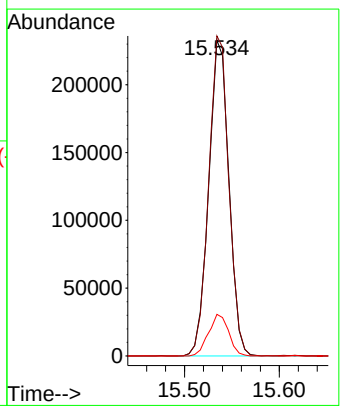
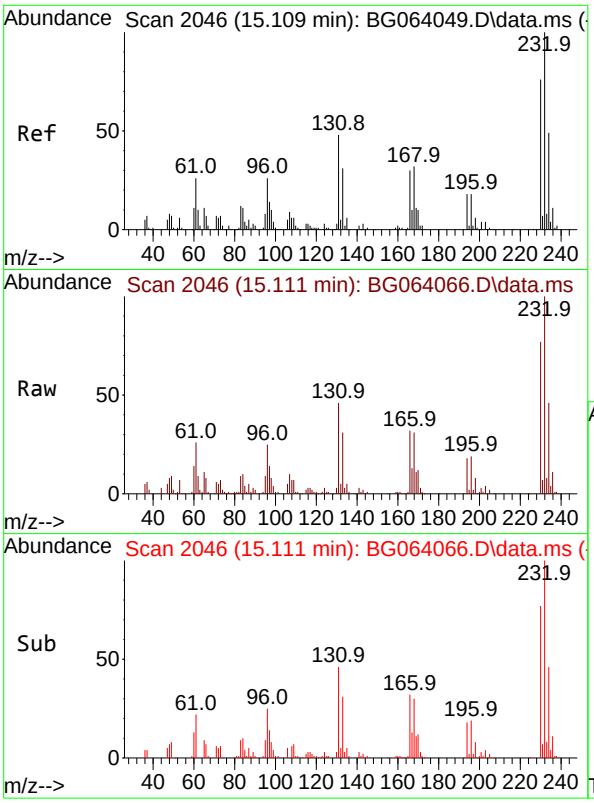


#58
Fluorene
Concen: 42.051 ng
RT: 15.534 min Scan# 2118
Delta R.T. -0.004 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:166 Resp: 344428

Ion	Ratio	Lower	Upper
166	100		
165	101.3	81.8	122.8
167	13.2	10.8	16.2

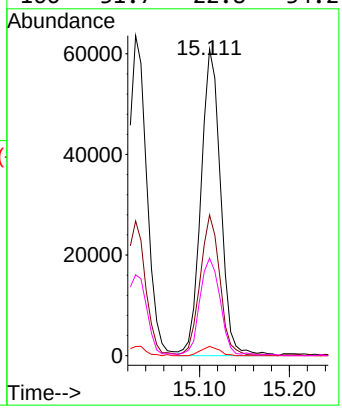




#59
2,3,4,6-Tetrachlorophenol
Concen: 45.984 ng
RT: 15.111 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:232 Resp: 9301

Ion	Ratio	Lower	Upper
232	100		
131	46.4	36.3	54.5
130	2.8	1.9	2.9
166	31.7	22.8	34.2



Instrument :
BNA_G
ClientSampleId :
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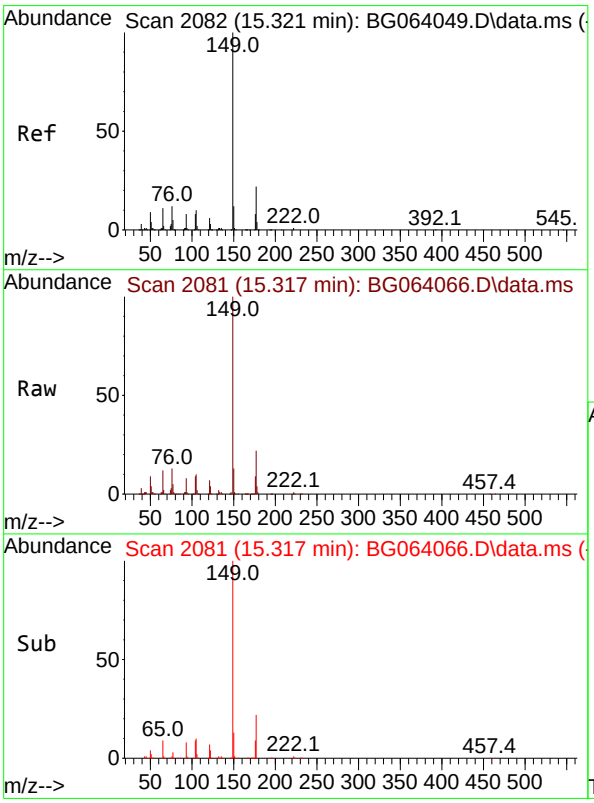
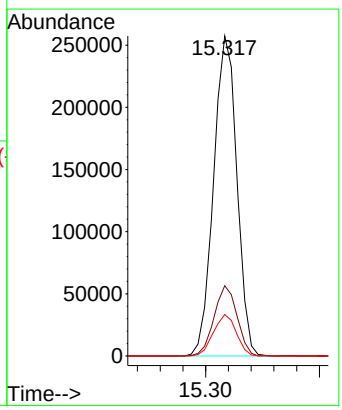
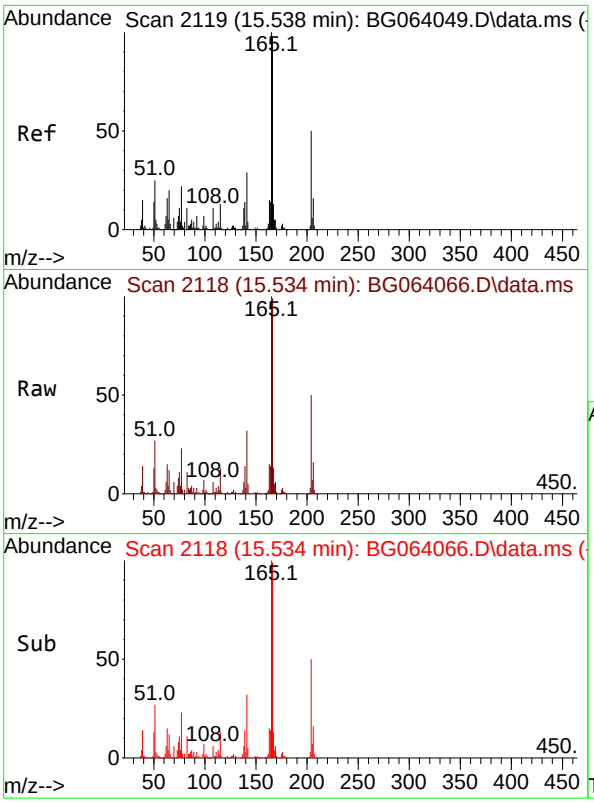


#60
Diethylphthalate
Concen: 41.103 ng
RT: 15.317 min Scan# 2081
Delta R.T. -0.004 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:149 Resp: 365567

Ion	Ratio	Lower	Upper
149	100		
177	22.0	17.4	26.2
150	13.0	9.4	14.2

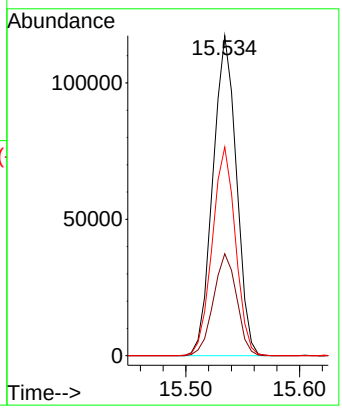




#61
4-Chlorophenyl-phenylether
Concen: 41.410 ng
RT: 15.534 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:204 Resp: 16855

Ion	Ratio	Lower	Upper
204	100		
206	31.8	25.5	38.3
141	65.2	45.4	68.0



Instrument :
BNA_G
ClientSampleId :
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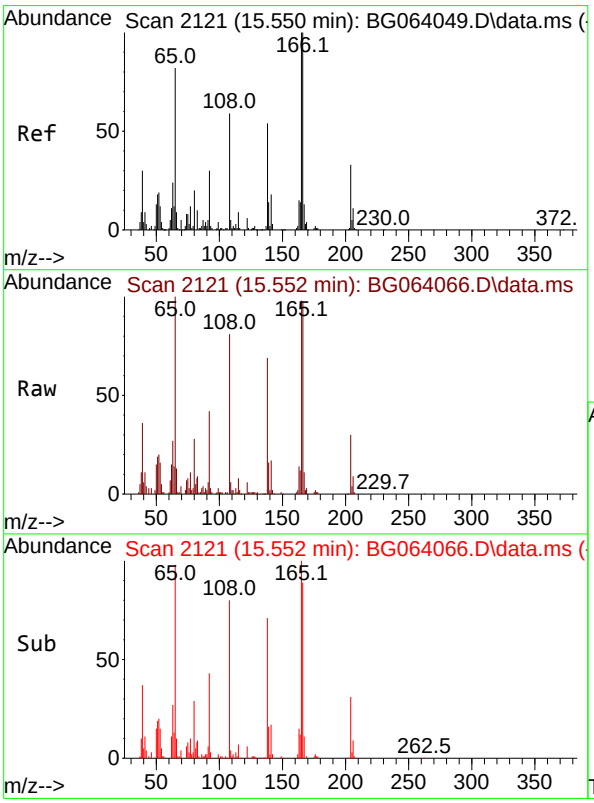
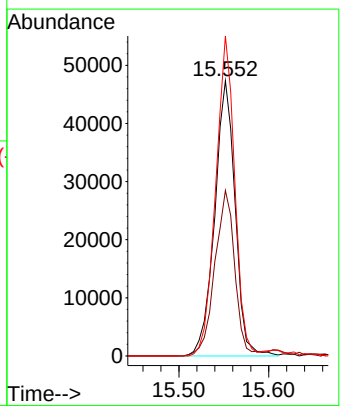
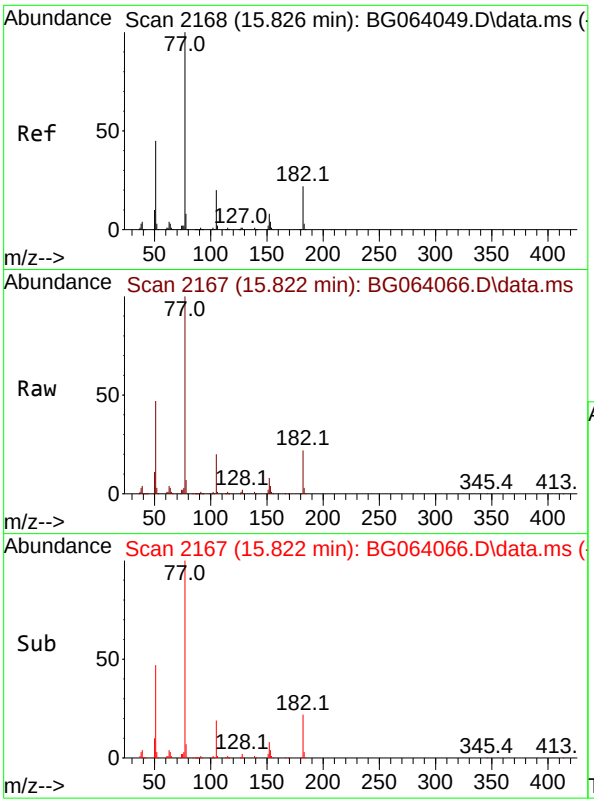


#62
4-Nitroaniline
Concen: 43.808 ng
RT: 15.552 min Scan# 2121
Delta R.T. 0.002 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:138 Resp: 74889

Ion	Ratio	Lower	Upper
138	100		
92	60.1	36.1	76.1
108	116.3	87.9	127.9

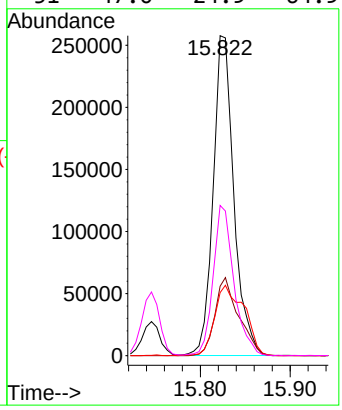




#63
Azobenzene
Concen: 43.506 ng
RT: 15.822 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion: 77 Resp: 41289

Ion	Ratio	Lower	Upper
77	100		
182	21.7	2.4	42.4
105	19.7	0.0	40.0
51	47.0	24.9	64.9



Instrument :
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ClientSampleId :
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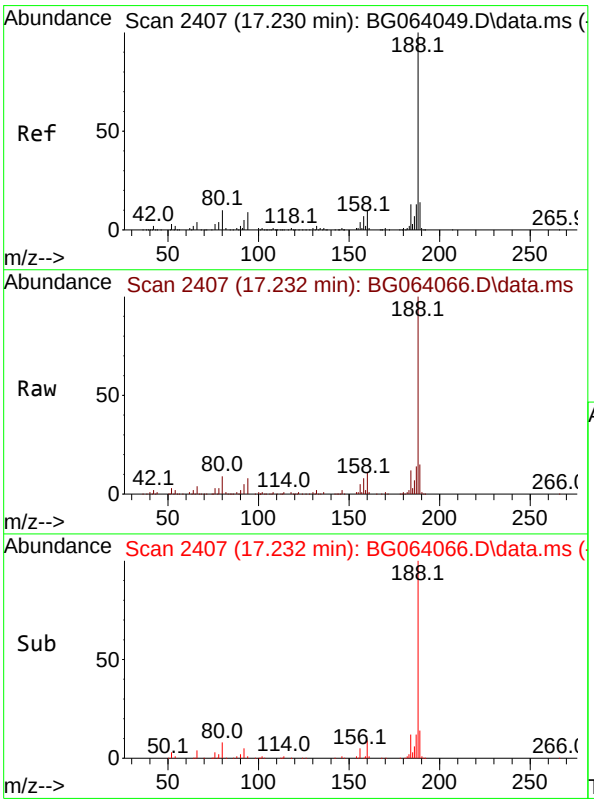
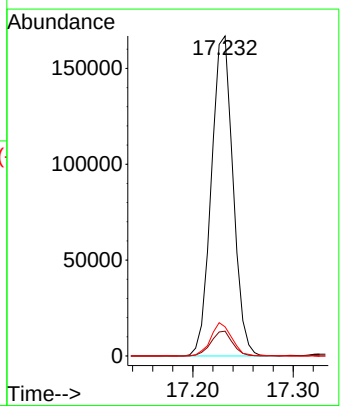
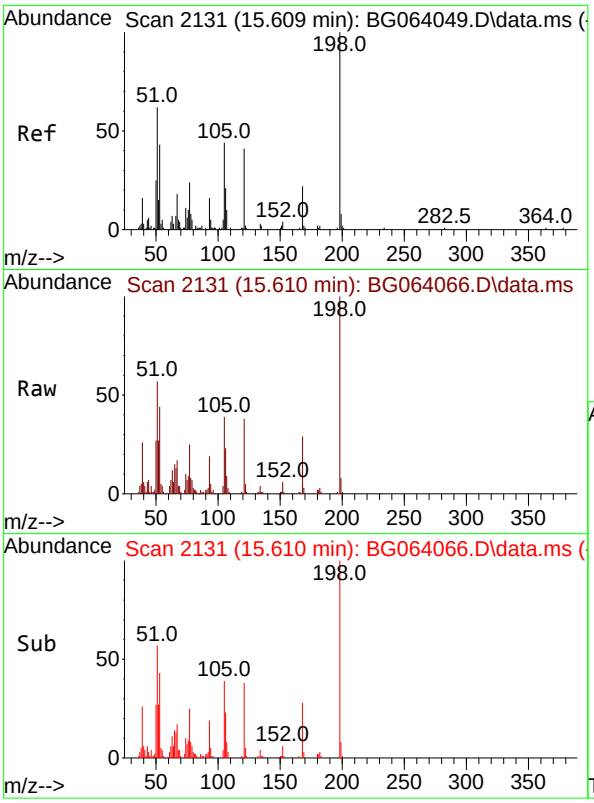


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.232 min Scan# 2407
Delta R.T. 0.002 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:188 Resp: 250922

Ion	Ratio	Lower	Upper
188	100		
94	7.7	6.9	10.3
80	9.1	8.1	12.1

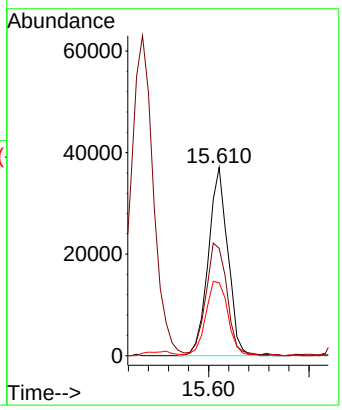




#65
4,6-Dinitro-2-methylphenol
Concen: 46.578 ng
RT: 15.610 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:198 Resp: 5017

Ion	Ratio	Lower	Upper
198	100		
51	57.0	45.6	85.6
105	38.8	25.3	65.3



Instrument :
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ClientSampleId :
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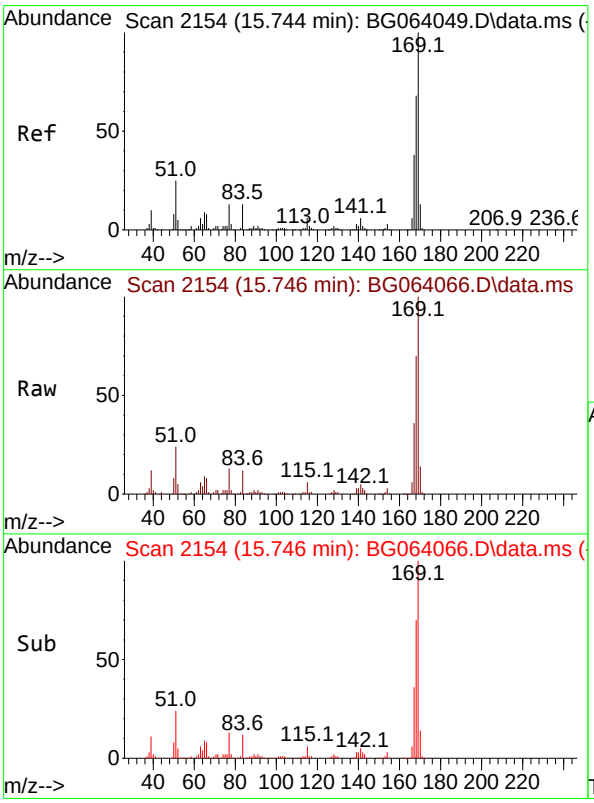
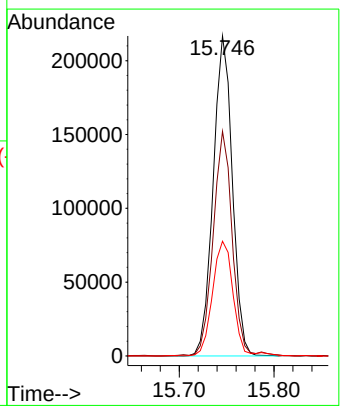
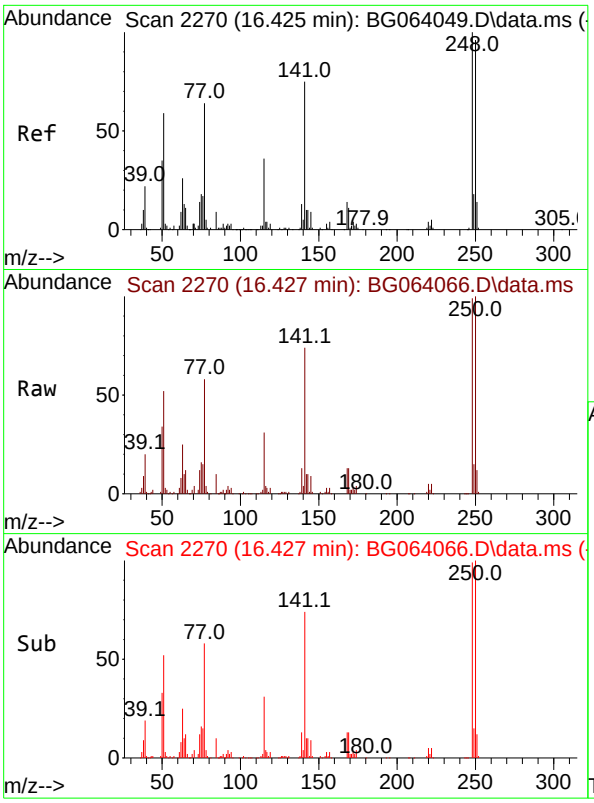


#66
n-Nitrosodiphenylamine
Concen: 42.899 ng
RT: 15.746 min Scan# 2154
Delta R.T. 0.002 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:169 Resp: 304696

Ion	Ratio	Lower	Upper
169	100		
168	70.2	54.1	81.1
167	35.8	30.3	45.5

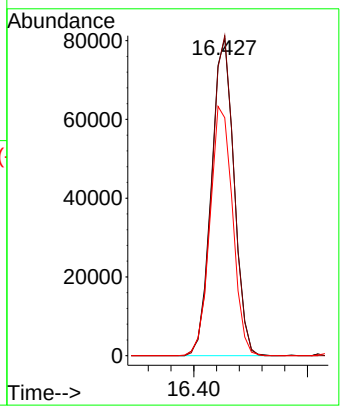




#67
4-Bromophenyl-phenylether
Concen: 43.269 ng
RT: 16.427 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:248 Resp: 11119

Ion	Ratio	Lower	Upper
248	100		
250	100.8	77.1	115.7
141	75.0	59.8	89.8



Instrument :
BNA_G
ClientSampleId :
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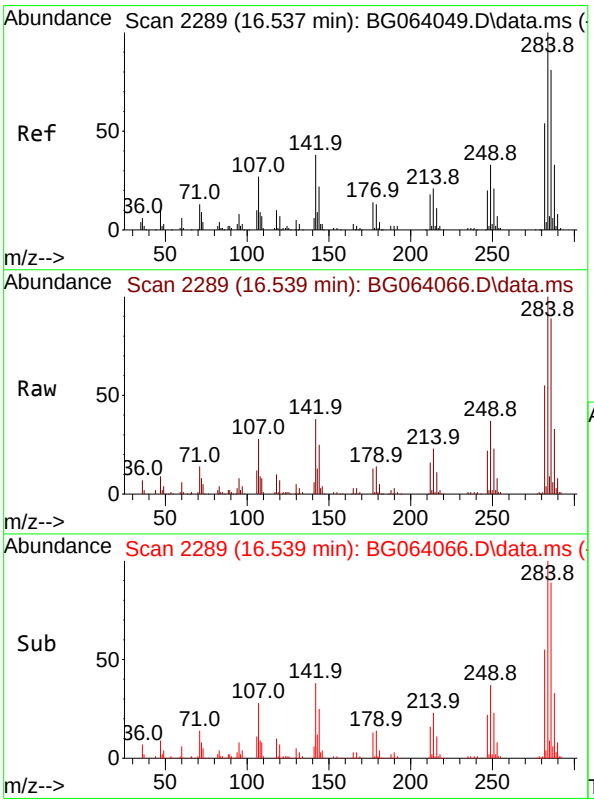
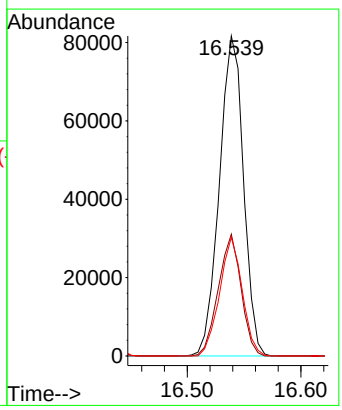
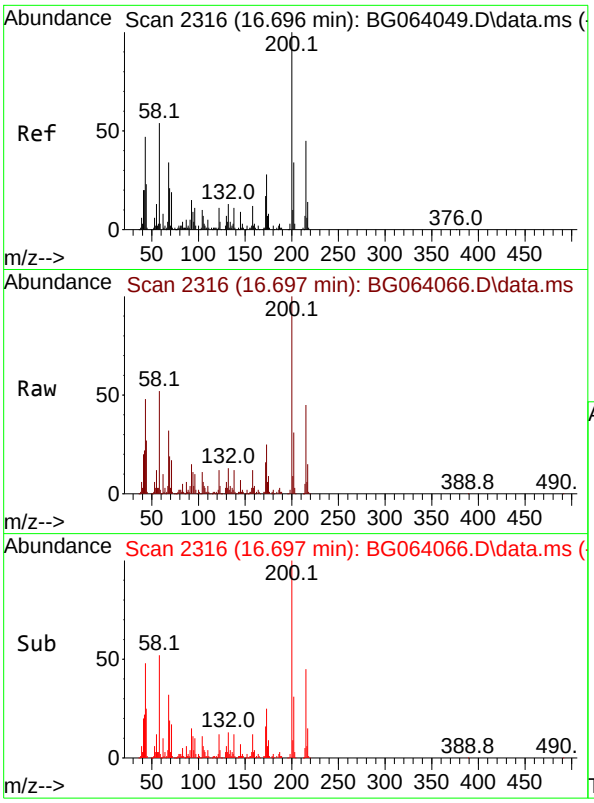


#68
Hexachlorobenzene
Concen: 41.797 ng
RT: 16.539 min Scan# 2289
Delta R.T. 0.002 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:284 Resp: 120255

Ion	Ratio	Lower	Upper
284	100		
142	38.1	30.6	45.8
249	37.1	26.6	39.8

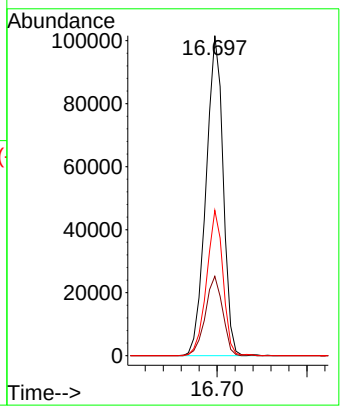




#69
Atrazine
Concen: 64.388 ng
RT: 16.697 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:200 Resp: 13455

Ion	Ratio	Lower	Upper
200	100		
173	24.8	8.2	48.2
215	45.4	25.5	65.5



Instrument :
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ClientSampleId :
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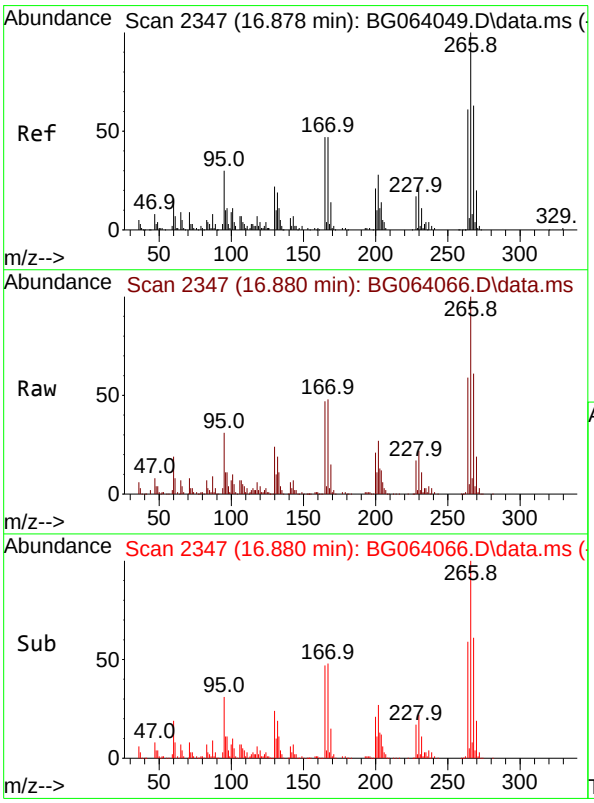
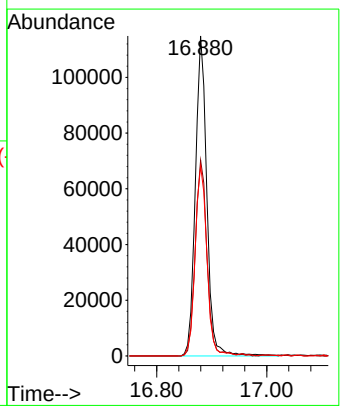
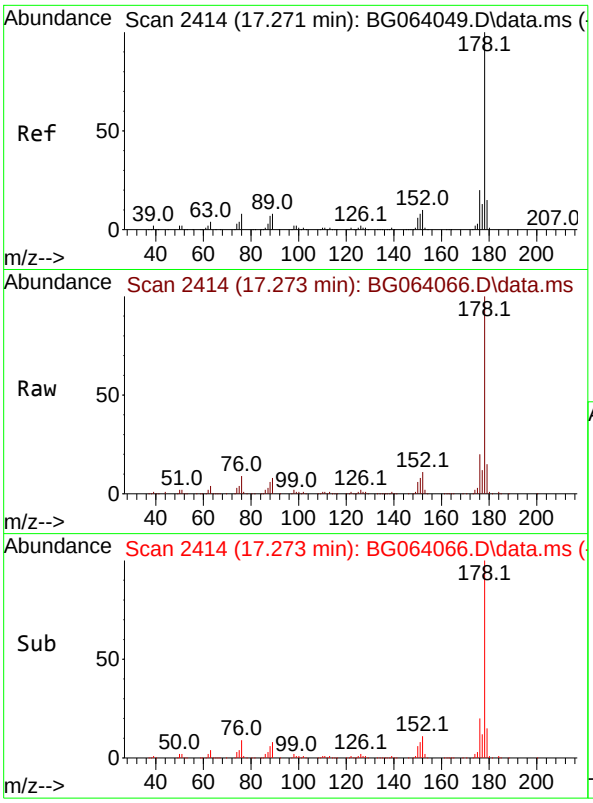


#70
Pentachlorophenol
Concen: 92.844 ng
RT: 16.880 min Scan# 2347
Delta R.T. 0.002 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:266 Resp: 165854

Ion	Ratio	Lower	Upper
266	100		
268	61.2	50.2	75.4
264	59.3	48.9	73.3

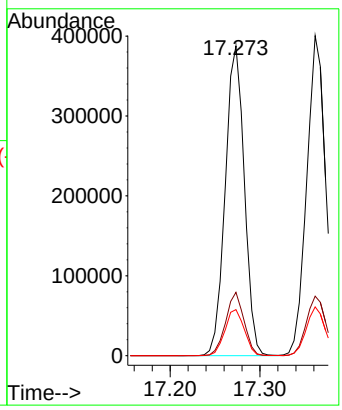




#71
Phenanthrene
Concen: 42.750 ng
RT: 17.273 min Scan# 24
Delta R.T. 0.002 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:178 Resp: 57214

Ion	Ratio	Lower	Upper
178	100		
176	20.5	15.9	23.9
179	14.9	12.2	18.2



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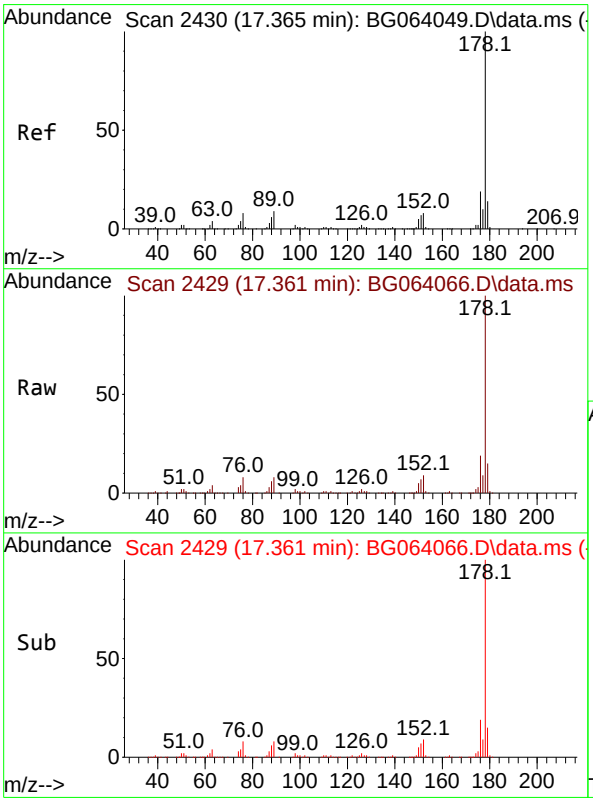
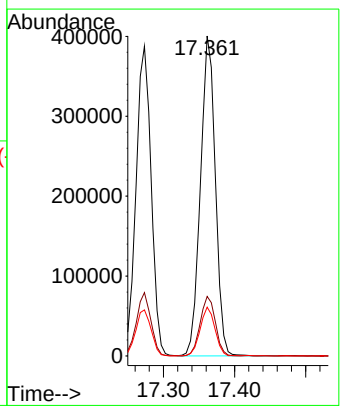
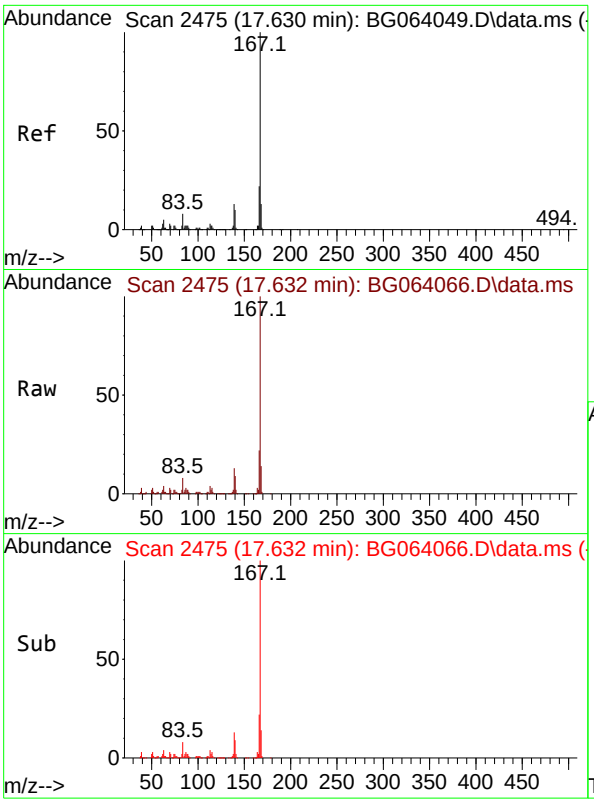


#72
Anthracene
Concen: 43.941 ng
RT: 17.361 min Scan# 2429
Delta R.T. -0.004 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:178 Resp: 584769

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.8	22.2
179	15.2	11.5	17.3

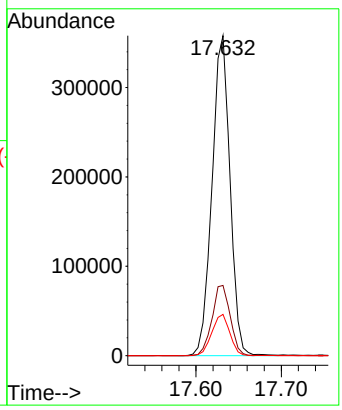




#73
Carbazole
Concen: 42.172 ng
RT: 17.632 min Scan# 24
Delta R.T. 0.002 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:167 Resp: 52399

Ion	Ratio	Lower	Upper
167	100		
166	22.0	18.0	27.0
139	12.9	10.6	15.8



Instrument :
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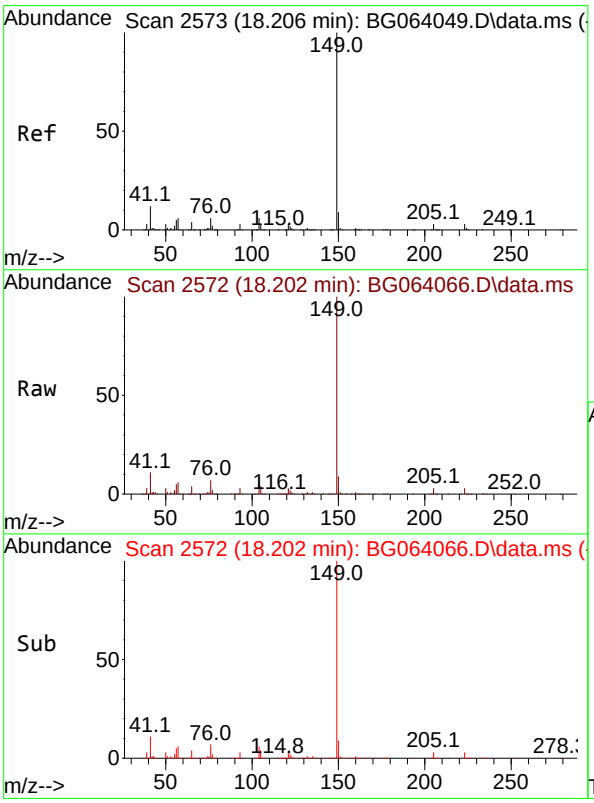
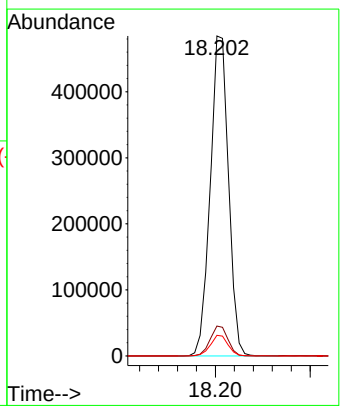
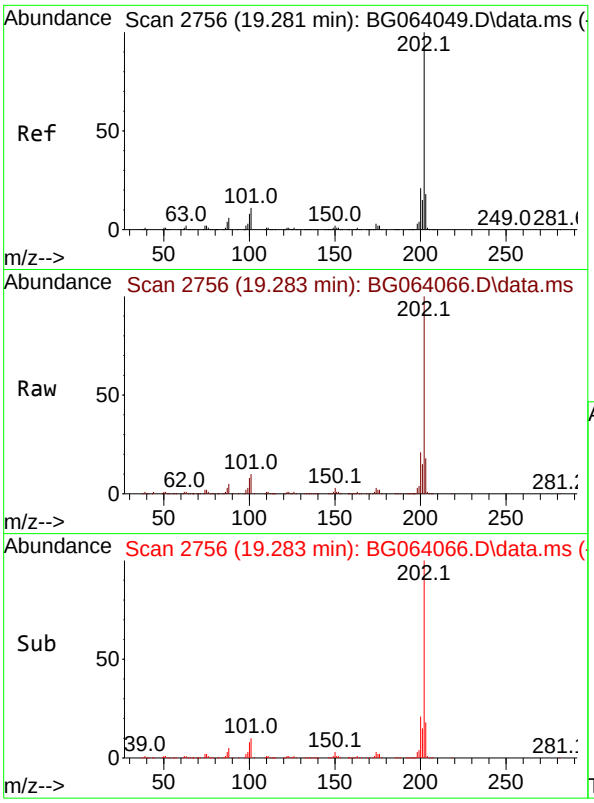


#74
Di-n-butylphthalate
Concen: 44.191 ng
RT: 18.202 min Scan# 2572
Delta R.T. -0.004 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:149 Resp: 646327

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.0
104	6.4	5.0	7.6

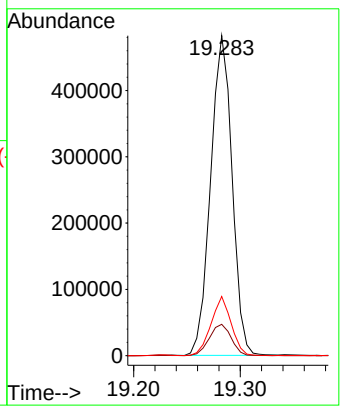




#75
Fluoranthene
Concen: 41.895 ng
RT: 19.283 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:202 Resp: 67597

Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	30.5
203	18.5	0.0	38.3



Instrument :
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ClientSampleId :
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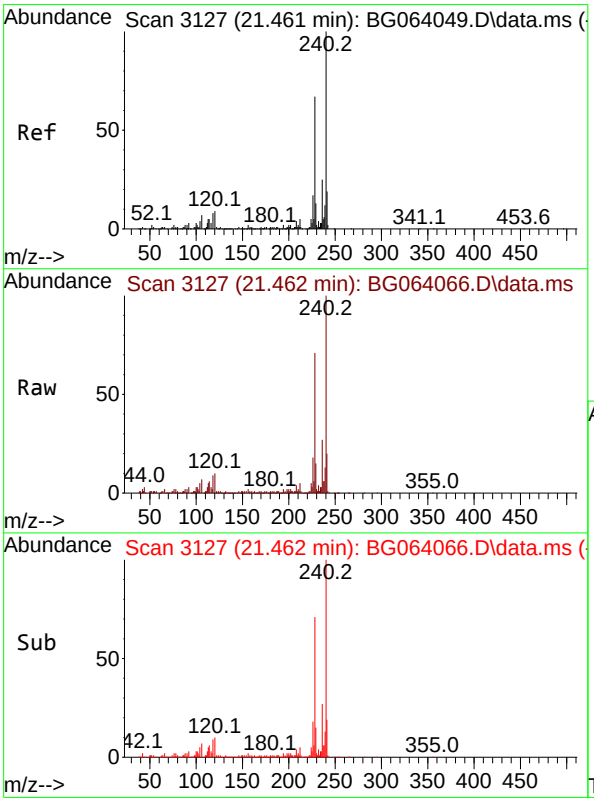
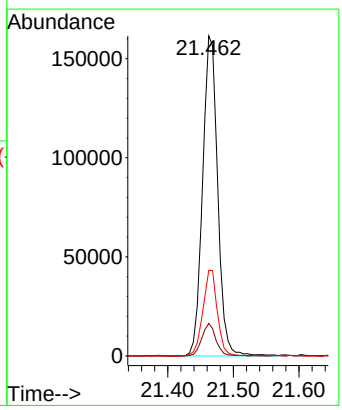
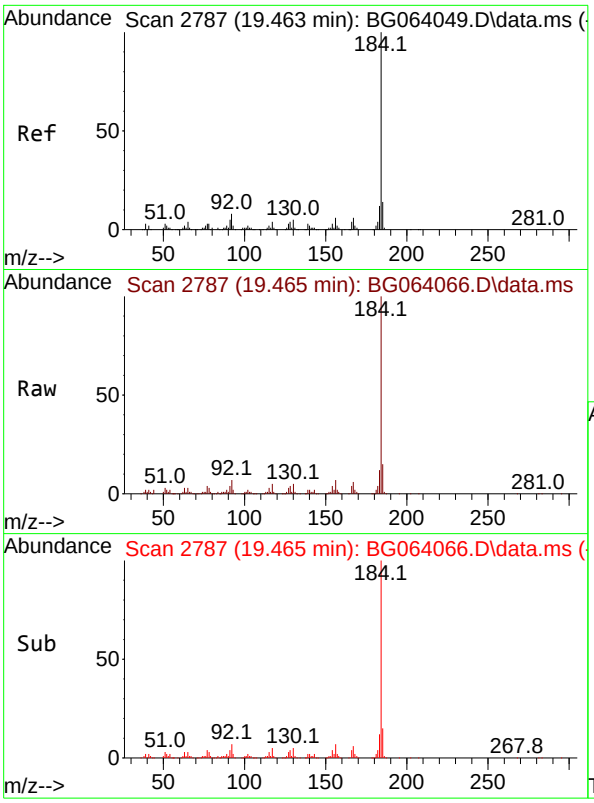


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.462 min Scan# 3127
Delta R.T. 0.002 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:240 Resp: 258735

Ion	Ratio	Lower	Upper
240	100		
120	10.2	7.2	10.8
236	26.8	20.2	30.2

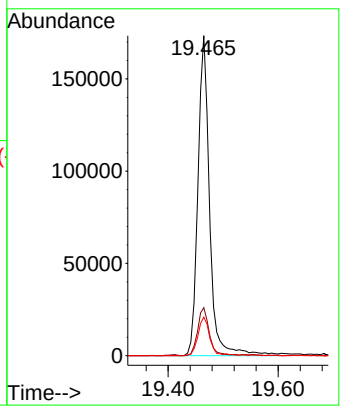




#77
Benzidine
Concen: 71.481 ng
RT: 19.465 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:184 Resp: 25609

Ion	Ratio	Lower	Upper
184	100		
185	15.0	11.3	16.9
183	12.0	9.5	14.3



Instrument :
BNA_G
ClientSampleId :
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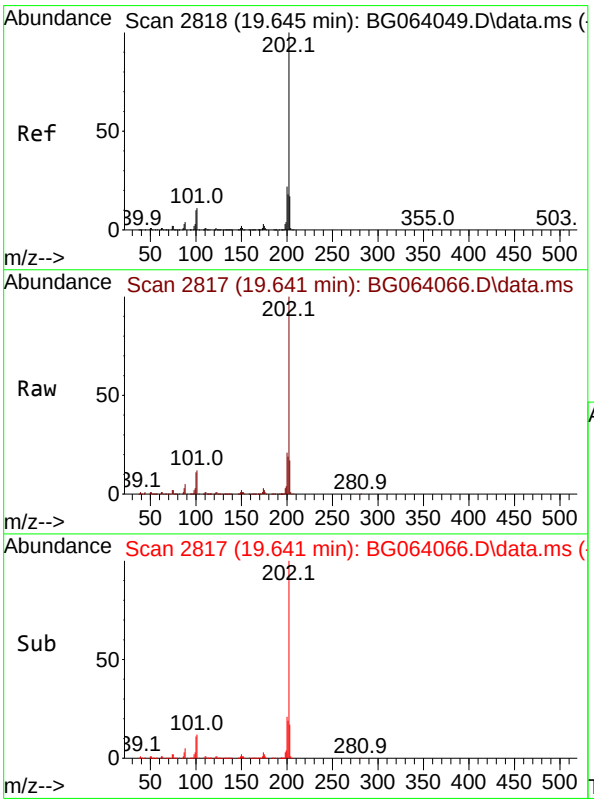
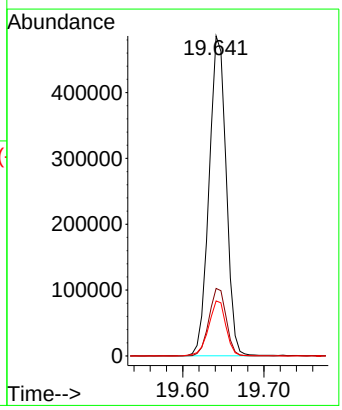
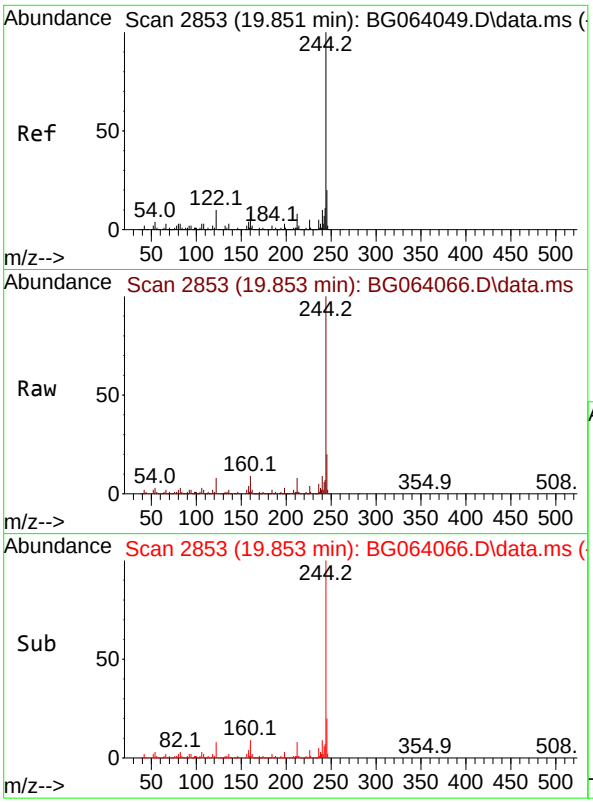


#78
Pyrene
Concen: 42.513 ng
RT: 19.641 min Scan# 2817
Delta R.T. -0.004 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:202 Resp: 709058

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.3	25.9
203	17.2	13.6	20.4

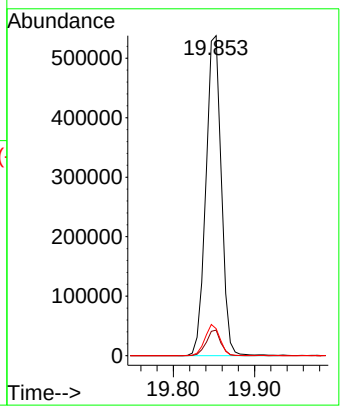




#79
Terphenyl-d14
Concen: 55.218 ng
RT: 19.853 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:244 Resp: 70656

Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.2	9.4
122	8.5	8.0	12.0



Instrument :
BNA_G
ClientSampleId :
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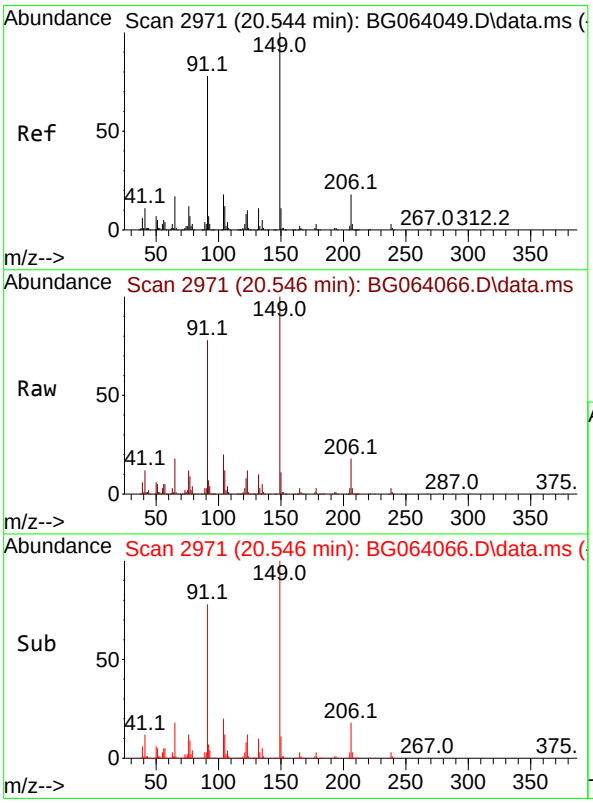
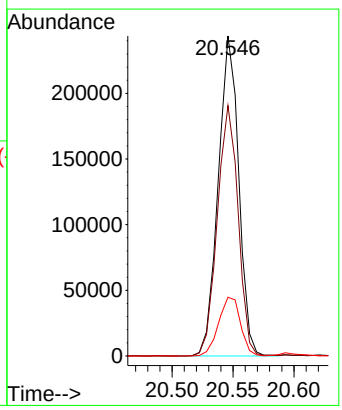
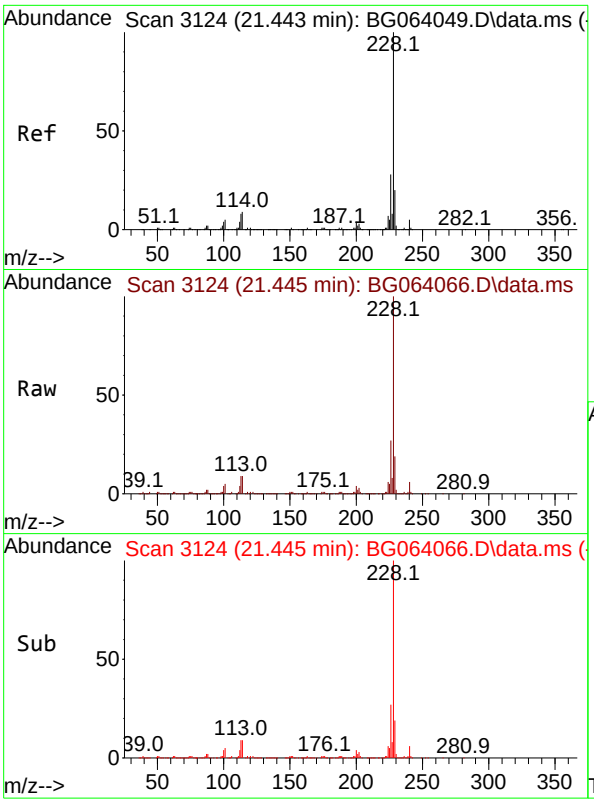


#80
Butylbenzylphthalate
Concen: 45.708 ng
RT: 20.546 min Scan# 2971
Delta R.T. 0.002 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:149 Resp: 284887

Ion	Ratio	Lower	Upper
149	100		
91	78.2	62.0	93.0
206	18.4	14.6	21.8

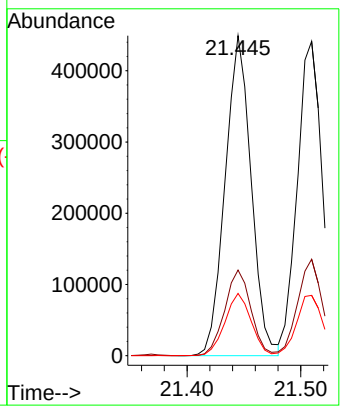




#81
Benzo(a)anthracene
Concen: 43.108 ng
RT: 21.445 min Scan# 3
Delta R.T. 0.002 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:228 Resp: 71445

Ion	Ratio	Lower	Upper
228	100		
226	26.8	22.2	33.2
229	19.4	16.4	24.6



Instrument :
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ClientSampleId :
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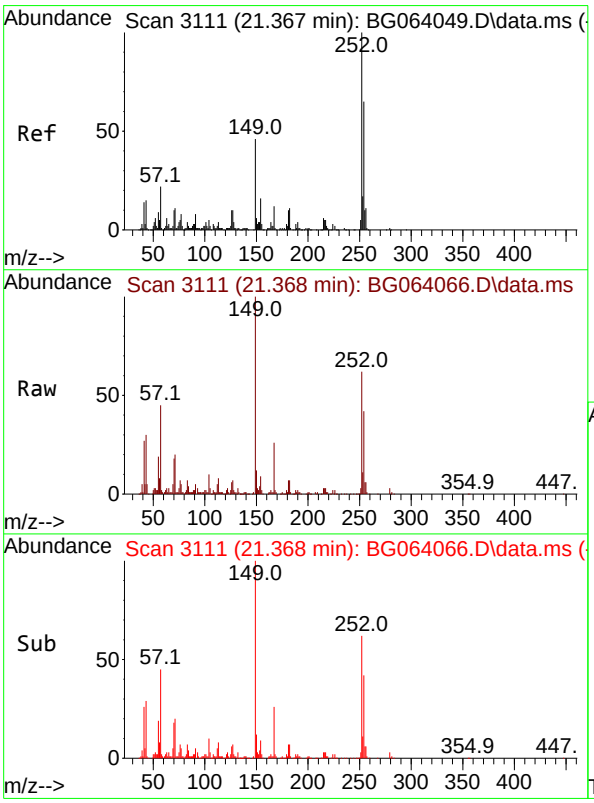
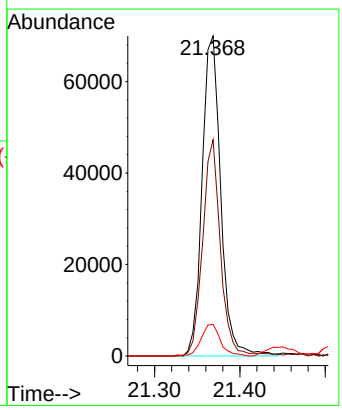
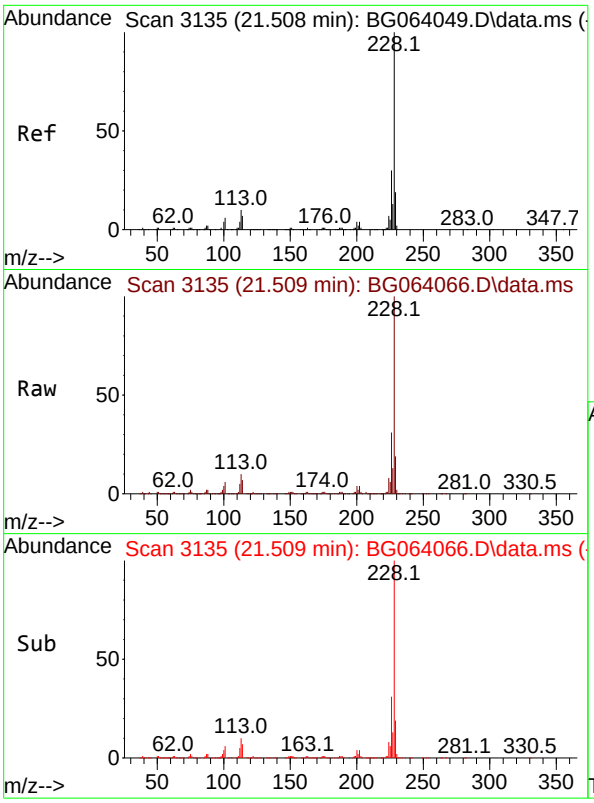


#82
3,3'-Dichlorobenzidine
Concen: 19.842 ng
RT: 21.368 min Scan# 3111
Delta R.T. 0.002 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:252 Resp: 106430

Ion	Ratio	Lower	Upper
252	100		
254	67.5	52.1	78.1
126	9.9	7.8	11.8

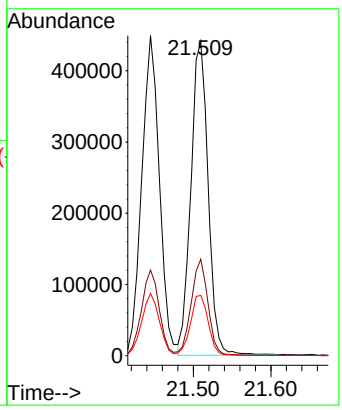




#83
Chrysene
Concen: 41.215 ng
RT: 21.509 min Scan# 3
Delta R.T. 0.002 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:228 Resp: 68129

Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.9	35.9
229	19.2	15.3	22.9



Instrument :
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ClientSampleId :
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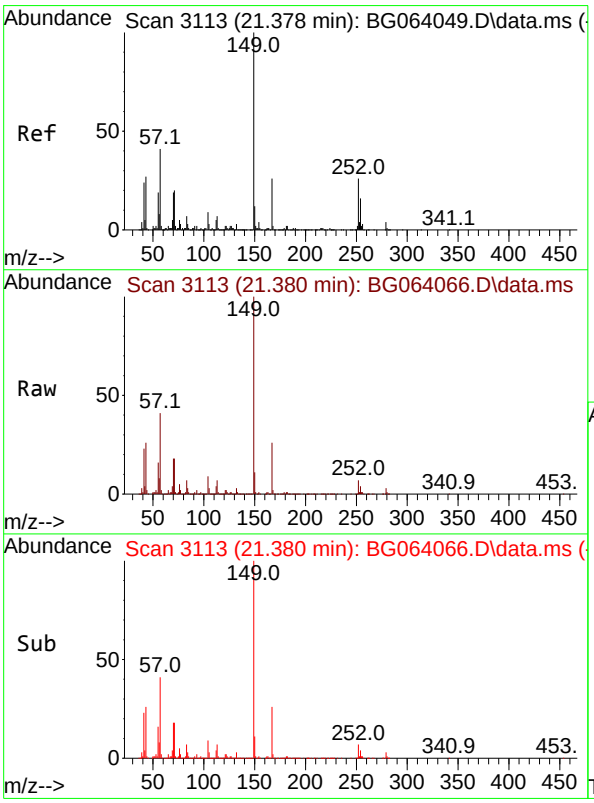
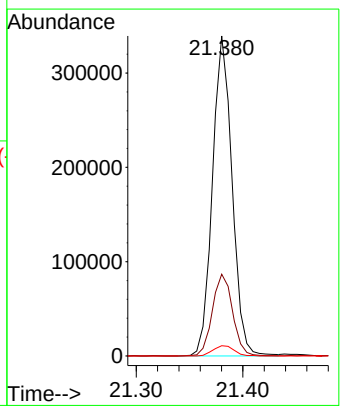
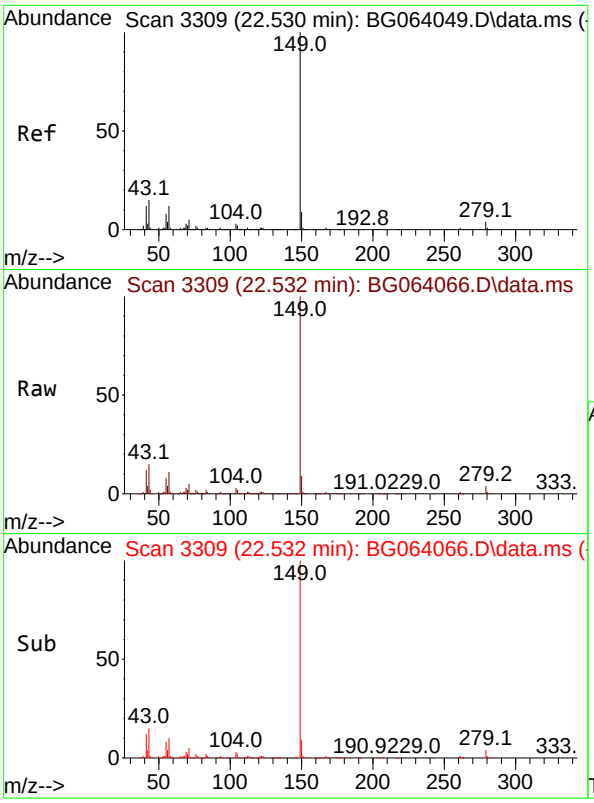


#84
Bis(2-ethylhexyl)phthalate
Concen: 48.320 ng
RT: 21.380 min Scan# 3113
Delta R.T. 0.002 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:149 Resp: 433115

Ion	Ratio	Lower	Upper
149	100		
167	25.6	21.0	31.6
279	3.2	2.8	4.2

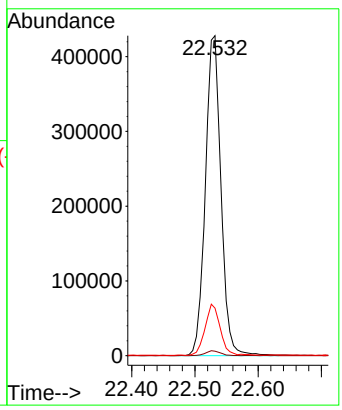




#85
Di-n-octyl phthalate
Concen: 47.604 ng
RT: 22.532 min Scan# 3
Delta R.T. 0.002 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:149 Resp: 73597

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	15.7	12.6	19.0



Instrument :
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ClientSampleId :
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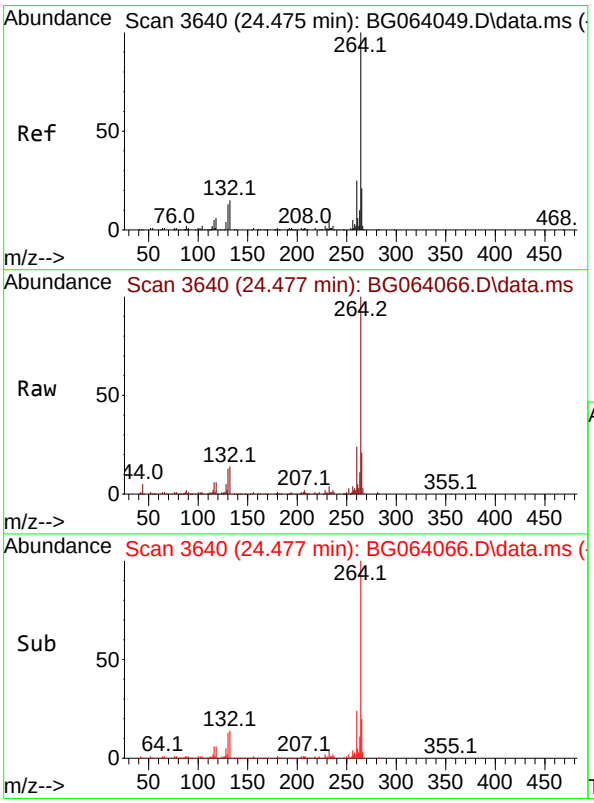
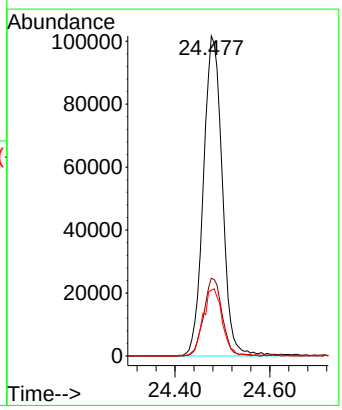
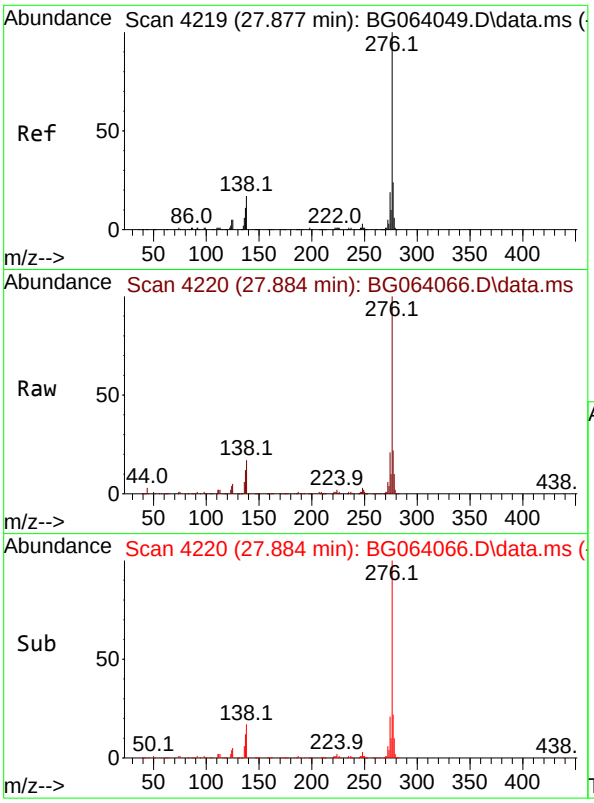


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.477 min Scan# 3640
Delta R.T. 0.002 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:264 Resp: 281256

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.6	29.4
265	20.5	16.6	25.0

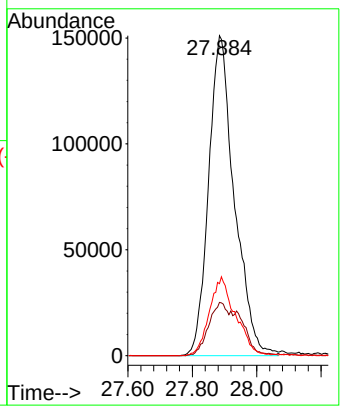




#87
Indeno(1,2,3-cd)pyrene
Concen: 44.568 ng
RT: 27.884 min Scan# 4
Delta R.T. 0.008 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:276 Resp: 83870

Ion	Ratio	Lower	Upper
276	100		
138	14.0	12.1	18.1
277	24.9	20.0	30.0



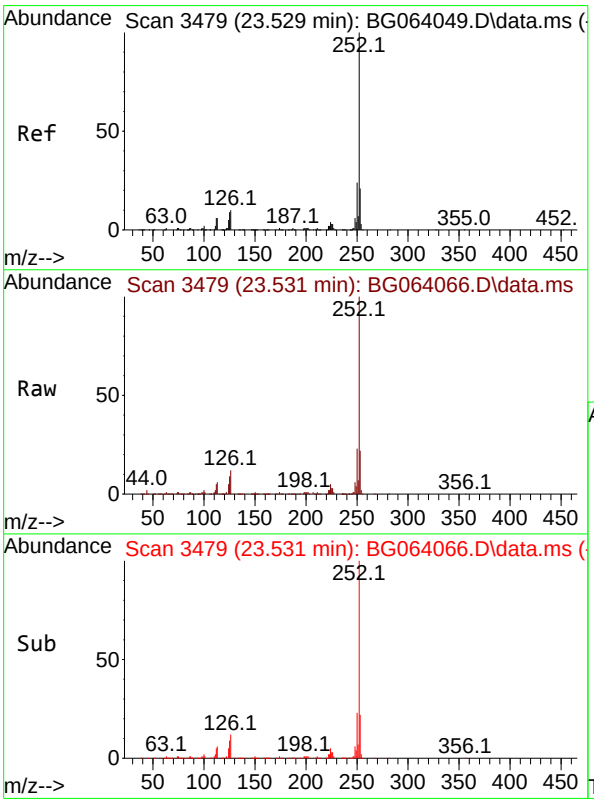
Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02MS

Manual Integrations
APPROVED

Reviewed By :Anahy
Claudio

03/10/2025
Supervised By :Jagrut
Upadhyay

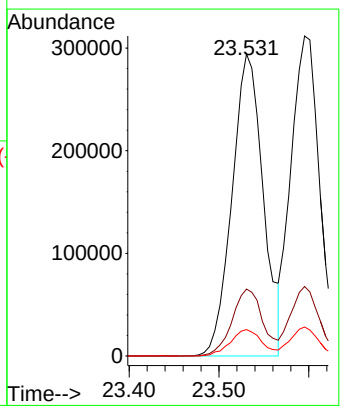
03/10/2025

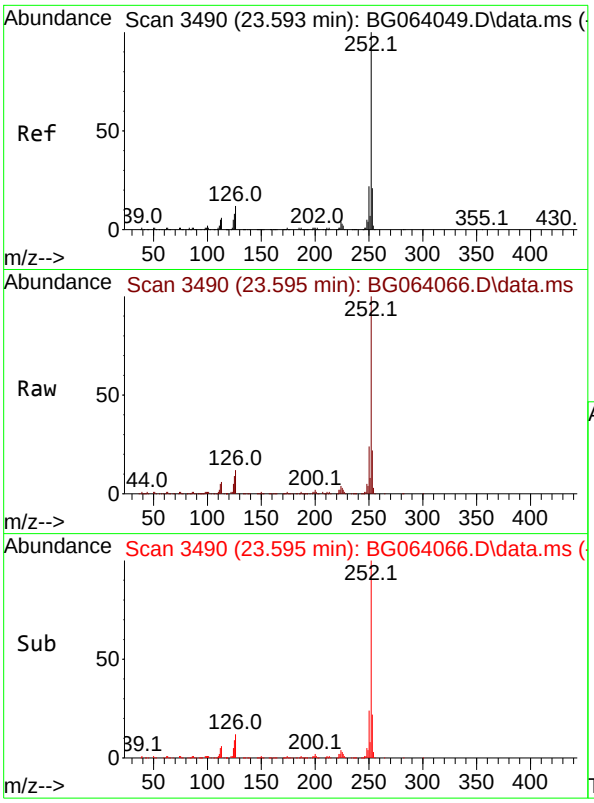


#88
Benzo(b)fluoranthene
Concen: 41.741 ng
RT: 23.531 min Scan# 3479
Delta R.T. 0.002 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:252 Resp: 709715

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.0	25.4
125	8.7	7.4	11.2

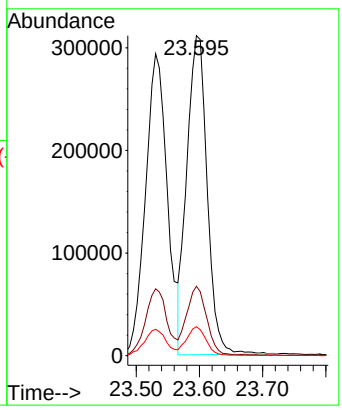




#89
Benzo(k)fluoranthene
Concen: 40.688 ng
RT: 23.595 min Scan# 34
Delta R.T. 0.002 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:252 Resp: 69403

Ion	Ratio	Lower	Upper
252	100		
253	21.7	16.8	25.2
125	9.1	6.9	10.3



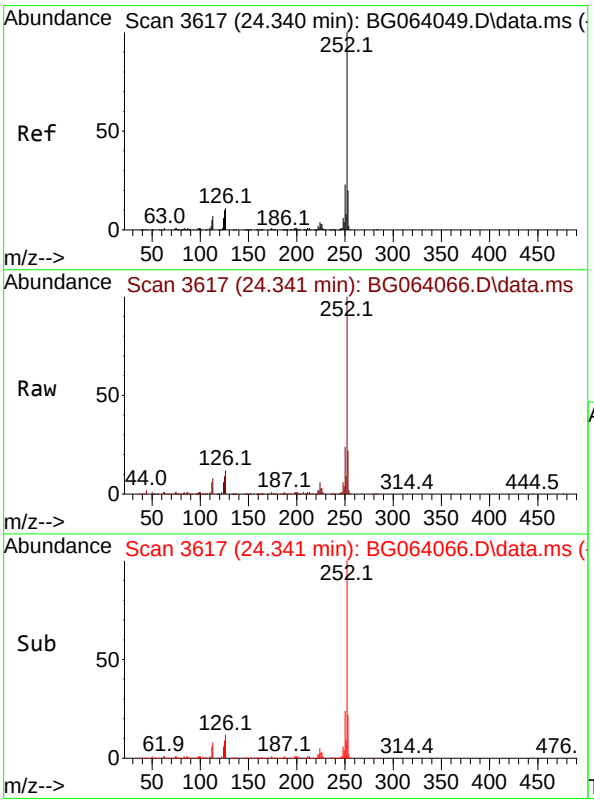
Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02MS

Manual Integrations APPROVED

Reviewed By :Anahy Claudio

03/10/2025
Supervised By :Jagrut Upadhyay

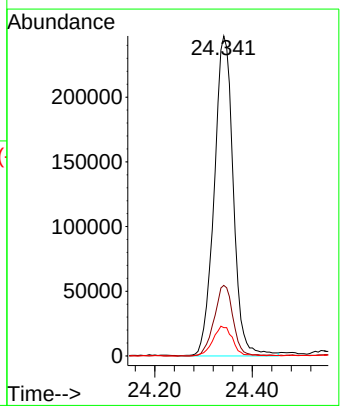
03/10/2025

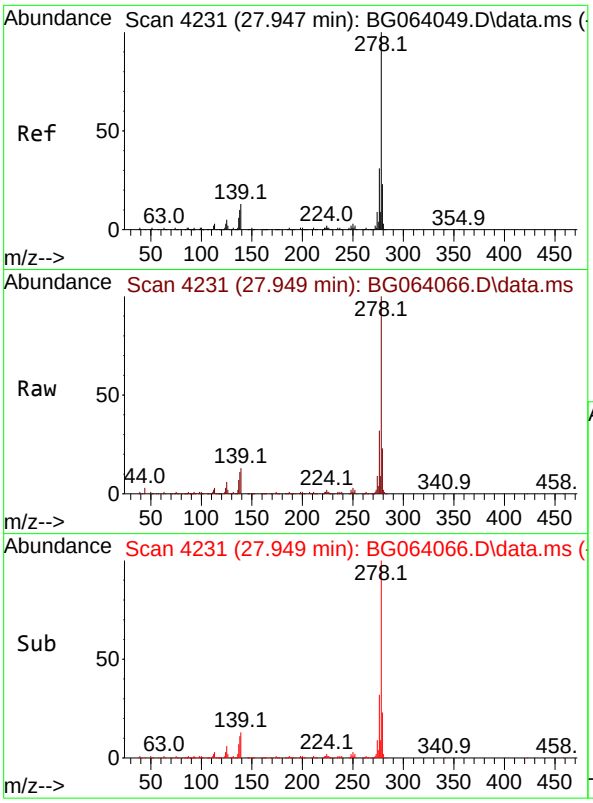


#90
Benzo(a)pyrene
Concen: 44.433 ng
RT: 24.341 min Scan# 3617
Delta R.T. 0.002 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:252 Resp: 672829

Ion	Ratio	Lower	Upper
252	100		
253	22.1	16.2	24.2
125	8.9	7.8	11.6

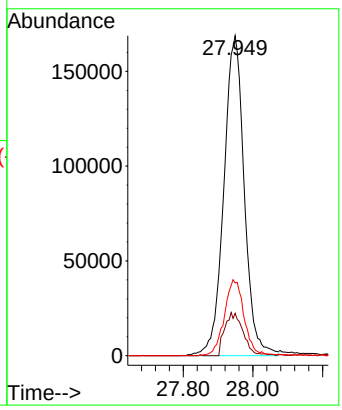




#91
Dibenzo(a,h)anthracene
Concen: 44.192 ng
RT: 27.949 min Scan# 4
Delta R.T. 0.002 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:278 Resp: 68944

Ion	Ratio	Lower	Upper
278	100		
139	13.3	10.2	15.2
279	22.8	18.1	27.1



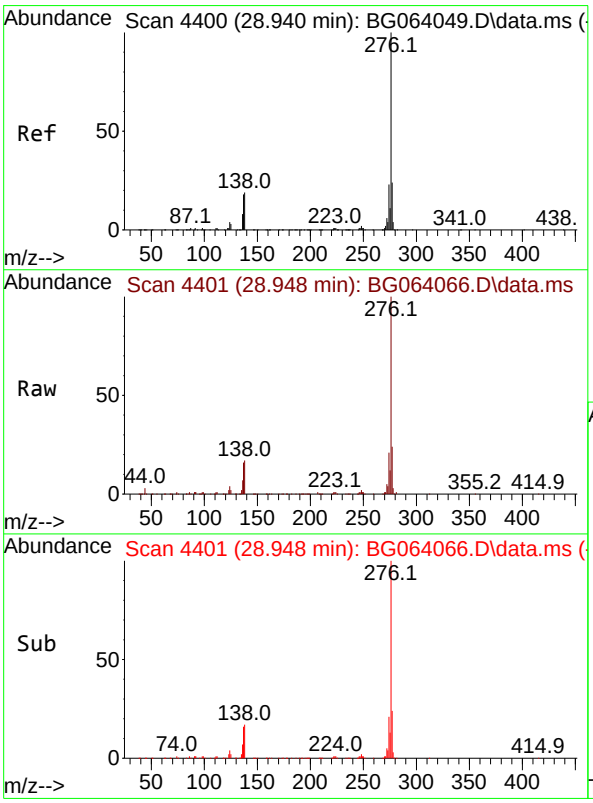
Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02MS

Manual Integrations APPROVED

Reviewed By :Anahy Claudio

03/10/2025
Supervised By :Jagrut Upadhyay

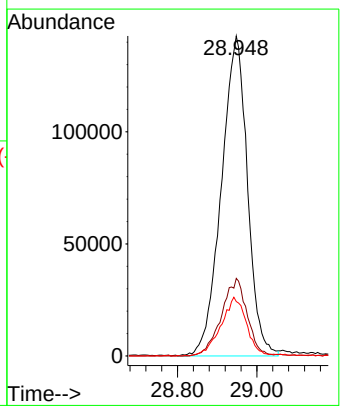
03/10/2025



#92
Benzo(g,h,i)perylene
Concen: 40.752 ng
RT: 28.948 min Scan# 4401
Delta R.T. 0.008 min
Lab File: BG064066.D
Acq: 7 Mar 2025 19:42

Tgt Ion:276 Resp: 652760

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.5	29.3
138	17.0	15.4	23.0



Raw Data: **BG064067.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB02MSD	SDG No.:	Q1514
Lab Sample ID:	Q1514-03MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	81
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064067.D	1	03/07/25 08:55	03/07/25 20:22	PB167031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	830		220	410	ug/Kg
108-95-2	Phenol	1900		100	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1600		100	210	ug/Kg
95-57-8	2-Chlorophenol	1800		100	210	ug/Kg
95-48-7	2-Methylphenol	1900		99.3	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1700		110	210	ug/Kg
98-86-2	Acetophenone	1800		110	210	ug/Kg
65794-96-9	3+4-Methylphenols	1900		98.3	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1700		49.7	98.6	ug/Kg
67-72-1	Hexachloroethane	1800		100	210	ug/Kg
98-95-3	Nitrobenzene	1800		110	210	ug/Kg
78-59-1	Isophorone	1800		100	210	ug/Kg
88-75-5	2-Nitrophenol	2000		120	210	ug/Kg
105-67-9	2,4-Dimethylphenol	2400		110	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1700		110	210	ug/Kg
120-83-2	2,4-Dichlorophenol	2000		93.0	210	ug/Kg
91-20-3	Naphthalene	1700		100	210	ug/Kg
106-47-8	4-Chloroaniline	480		100	210	ug/Kg
87-68-3	Hexachlorobutadiene	1700		100	210	ug/Kg
105-60-2	Caprolactam	2100		110	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1900		95.5	210	ug/Kg
91-57-6	2-Methylnaphthalene	1700		100	210	ug/Kg
77-47-4	Hexachlorocyclopentadiene	6600	E	190	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2000		88.0	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1900		91.2	210	ug/Kg
92-52-4	1,1-Biphenyl	1800		110	210	ug/Kg
91-58-7	2-Chloronaphthalene	1700		100	210	ug/Kg
88-74-4	2-Nitroaniline	1900		120	210	ug/Kg
131-11-3	Dimethylphthalate	1700		100	210	ug/Kg

Raw Data: **BG064067.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB02MSD	SDG No.:	Q1514
Lab Sample ID:	Q1514-03MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	81
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064067.D	1	03/07/25 08:55	03/07/25 20:22	PB167031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1800		110	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	1700		100	210	ug/Kg
99-09-2	3-Nitroaniline	850		110	210	ug/Kg
83-32-9	Acenaphthene	1700		99.9	210	ug/Kg
51-28-5	2,4-Dinitrophenol	4100	E	300	410	ug/Kg
100-02-7	4-Nitrophenol	4200	E	140	410	ug/Kg
132-64-9	Dibenzofuran	1600		100	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	1900		110	210	ug/Kg
84-66-2	Diethylphthalate	1700		98.7	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1700		110	210	ug/Kg
86-73-7	Fluorene	1700		110	210	ug/Kg
100-01-6	4-Nitroaniline	1800		130	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1900		140	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1800		100	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1800		97.2	210	ug/Kg
118-74-1	Hexachlorobenzene	1700		100	210	ug/Kg
1912-24-9	Atrazine	2600		110	210	ug/Kg
87-86-5	Pentachlorophenol	3800	E	95.2	410	ug/Kg
85-01-8	Phenanthrene	1800		100	210	ug/Kg
120-12-7	Anthracene	1800		100	210	ug/Kg
86-74-8	Carbazole	1700		98.9	210	ug/Kg
84-74-2	Di-n-butylphthalate	1800		100	210	ug/Kg
206-44-0	Fluoranthene	1700		100	210	ug/Kg
129-00-0	Pyrene	1800		100	210	ug/Kg
85-68-7	Butylbenzylphthalate	1900		120	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	830		120	410	ug/Kg
56-55-3	Benzo(a)anthracene	1800		99.4	210	ug/Kg
218-01-9	Chrysene	1700		98.0	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2000		110	210	ug/Kg
117-84-0	Di-n-octyl phthalate	2000		140	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		99.9	210	ug/Kg

Raw Data: **BG064067.D**

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

Report of Analysis

Client:	Portal Partners Tri-Venture	Date Collected:	03/05/25
Project:	Amtrak Sawtooth Bridges 2025	Date Received:	03/06/25
Client Sample ID:	ENV-105-SB02MSD	SDG No.:	Q1514
Lab Sample ID:	Q1514-03MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	81
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG064067.D	1	03/07/25 08:55	03/07/25 20:22	PB167031

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1700		100	210	ug/Kg
50-32-8	Benzo(a)pyrene	1800		110	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1800		96.2	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1800		100	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1700		98.7	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1800		110	210	ug/Kg
123-91-1	1,4-Dioxane	1700		140	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1900		92.0	210	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	91.3		30 (18) - 130 (112)	61%	SPK: 150
13127-88-3	Phenol-d6	90.9		30 (15) - 130 (107)	61%	SPK: 150
4165-60-0	Nitrobenzene-d5	62.5		30 (18) - 130 (107)	63%	SPK: 100
321-60-8	2-Fluorobiphenyl	56.4		30 (20) - 130 (109)	56%	SPK: 100
118-79-6	2,4,6-Tribromophenol	102		30 (10) - 130 (116)	68%	SPK: 150
1718-51-0	Terphenyl-d14	55.9		30 (10) - 130 (105)	56%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	34400	7.864			
1146-65-2	Naphthalene-d8	153000	10.649			
15067-26-2	Acenaphthene-d10	113000	14.492			
1517-22-2	Phenanthrene-d10	256000	17.23			
1719-03-5	Chrysene-d12	258000	21.466			
1520-96-3	Perylene-d12	278000	24.48			

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_G\Data\BG030725\
Data File : BG064067.D
Acq On : 7 Mar 2025 20:22
Operator : RC/JU
Sample : Q1514-03MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 07 22:57:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02MSD

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.864	152	34411	20.000	ng		# 0.00
21) Naphthalene-d8	10.649	136	153312	20.000	ng		0.00
39) Acenaphthene-d10	14.492	164	112515	20.000	ng		0.00
64) Phenanthrene-d10	17.230	188	255500	20.000	ng		0.00
76) Chrysene-d12	21.466	240	257819	20.000	ng		0.00
86) Perylene-d12	24.480	264	278096	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.449	112	201238	91.314	ng		0.00
7) Phenol-d6	7.030	99	272596	90.926	ng		0.00
23) Nitrobenzene-d5	9.016	82	173515	62.544	ng		0.00
42) 2,4,6-Tribromophenol	15.978	330	127687	102.094	ng		0.00
45) 2-Fluorobiphenyl	13.111	172	418318	56.433	ng		0.00
79) Terphenyl-d14	19.850	244	712984	55.917	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.364	88	40262	40.312	ng		94
3) Pyridine	3.751	79	95917	39.488	ng		97
4) n-Nitrosodimethylamine	3.669	42	78998	45.520	ng		93
6) Aniline	7.189	93	72408	24.613	ng		98
8) 2-Chlorophenol	7.430	128	102971	43.505	ng		99
9) Benzaldehyde	7.001	77	35156	20.163	ng		98
10) Phenol	7.053	94	138389	45.085	ng		96
11) bis(2-Chloroethyl)ether	7.289	93	92519	38.446	ng		99
12) 1,3-Dichlorobenzene	7.753	146	98477	37.888	ng		96
13) 1,4-Dichlorobenzene	7.900	146	101185	37.981	ng		93
14) 1,2-Dichlorobenzene	8.217	146	100188	39.000	ng		96
15) Benzyl Alcohol	8.099	79	103403	44.633	ng		91
16) 2,2'-oxybis(1-Chloropr...	8.387	45	219491	40.564	ng		98
17) 2-Methylphenol	8.305	107	93302	45.799	ng		97
18) Hexachloroethane	8.945	117	40053	42.970	ng		95
19) n-Nitroso-di-n-propyla...	8.663	70	87269	41.477	ng		99
20) 3+4-Methylphenols	8.628	107	128180	45.704	ng		93
22) Acetophenone	8.681	105	183133	43.567	ng	#	98
24) Nitrobenzene	9.057	77	125094	43.631	ng		99
25) Isophorone	9.580	82	241168	43.431	ng		97
26) 2-Nitrophenol	9.768	139	47450	47.899	ng		94
27) 2,4-Dimethylphenol	9.827	122	95972	57.653	ng		92
28) bis(2-Chloroethoxy)met...	10.068	93	139576	41.460	ng	#	97
29) 2,4-Dichlorophenol	10.297	162	100242	47.689	ng		95
30) 1,2,4-Trichlorobenzene	10.514	180	104985	41.374	ng		96
31) Naphthalene	10.702	128	334948	40.516	ng		99
32) Benzoic acid	9.974	122	74121m	48.400	ng		
33) 4-Chloroaniline	10.802	127	35030	11.593	ng		96
34) Hexachlorobutadiene	10.996	225	68725	41.321	ng		98
35) Caprolactam	11.572	113	40909m	50.786	ng		
36) 4-Chloro-3-methylphenol	11.930	107	129850	47.127	ng		96
37) 2-Methylnaphthalene	12.312	142	239353	41.012	ng		99
38) 1-Methylnaphthalene	12.529	142	235268	41.147	ng		100
40) 1,2,4,5-Tetrachloroben...	12.682	216	140504	43.740	ng		98
41) Hexachlorocyclopentadiene	12.665	237	145176	160.578	ng		99
43) 2,4,6-Trichlorophenol	12.917	196	90199	47.644	ng		89

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064067.D
Acq On : 7 Mar 2025 20:22
Operator : RC/JU
Sample : Q1514-03MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02MSD

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

Quant Time: Mar 07 22:57:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	2,4,5-Trichlorophenol	12.988	196	99847	47.465	ng		97
46)	1,1'-Biphenyl	13.323	154	379286	44.619	ng		99
47)	2-Chloronaphthalene	13.364	162	252080	40.660	ng		98
48)	2-Nitroaniline	13.564	65	93209	45.748	ng		97
49)	Acenaphthylene	14.210	152	431162	43.968	ng		99
50)	Dimethylphthalate	13.951	163	342782	41.271	ng		98
51)	2,6-Dinitrotoluene	14.057	165	69573	41.759	ng		92
52)	Acenaphthene	14.556	154	274782	41.753	ng		98
53)	3-Nitroaniline	14.386	138	33087	20.612	ng		93
54)	2,4-Dinitrophenol	14.592	184	70749	98.667	ng		85
55)	Dibenzofuran	14.891	168	425986	39.956	ng		97
56)	4-Nitrophenol	14.697	139	137375	102.041	ng		90
57)	2,4-Dinitrotoluene	14.850	165	106088	45.810	ng		99
58)	Fluorene	15.538	166	348722	41.996	ng		98
59)	2,3,4,6-Tetrachlorophenol	15.109	232	96761	47.183	ng		97
60)	Diethylphthalate	15.314	149	370839	41.129	ng		99
61)	4-Chlorophenyl-phenyle...	15.532	204	168172	40.755	ng		92
62)	4-Nitroaniline	15.549	138	75161	43.369	ng		96
63)	Azobenzene	15.826	77	422978	43.962	ng		98
65)	4,6-Dinitro-2-methylph...	15.608	198	50514	46.146	ng		95
66)	n-Nitrosodiphenylamine	15.743	169	308325	42.632	ng		99
67)	4-Bromophenyl-phenylether	16.425	248	113153	43.241	ng		94
68)	Hexachlorobenzene	16.537	284	123360	42.108	ng		97
69)	Atrazine	16.695	200	135483	63.668	ng		93
70)	Pentachlorophenol	16.877	266	167008	91.815	ng		96
71)	Phenanthrene	17.271	178	590686	43.344	ng		98
72)	Anthracene	17.365	178	591592	43.657	ng		98
73)	Carbazole	17.629	167	533785	42.190	ng		99
74)	Di-n-butylphthalate	18.205	149	653880	43.906	ng		99
75)	Fluoranthene	19.280	202	687578	41.851	ng		99
77)	Benzidine	19.462	184	240885	67.474	ng		98
78)	Pyrene	19.645	202	716988	43.141	ng		99
80)	Butylbenzylphthalate	20.544	149	288496	46.392	ng		99
81)	Benzo(a)anthracene	21.442	228	710986	43.051	ng		99
82)	3,3'-Dichlorobenzidine	21.366	252	108561	20.311	ng		99
83)	Chrysene	21.507	228	680629	41.321	ng		99
84)	Bis(2-ethylhexyl)phtha...	21.384	149	436698	48.893	ng		100
85)	Di-n-octyl phthalate	22.529	149	744329	48.315	ng		100
87)	Indeno(1,2,3-cd)pyrene	27.888	276	828228	44.512	ng	#	93
88)	Benzo(b)fluoranthene	23.534	252	694923	41.335	ng		98
89)	Benzo(k)fluoranthene	23.593	252	696746	41.311	ng		99
90)	Benzo(a)pyrene	24.339	252	661351	44.171	ng		97
91)	Dibenzo(a,h)anthracene	27.947	278	673345	43.651	ng		98
92)	Benzo(g,h,i)perylene	28.945	276	639032	40.349	ng		98

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

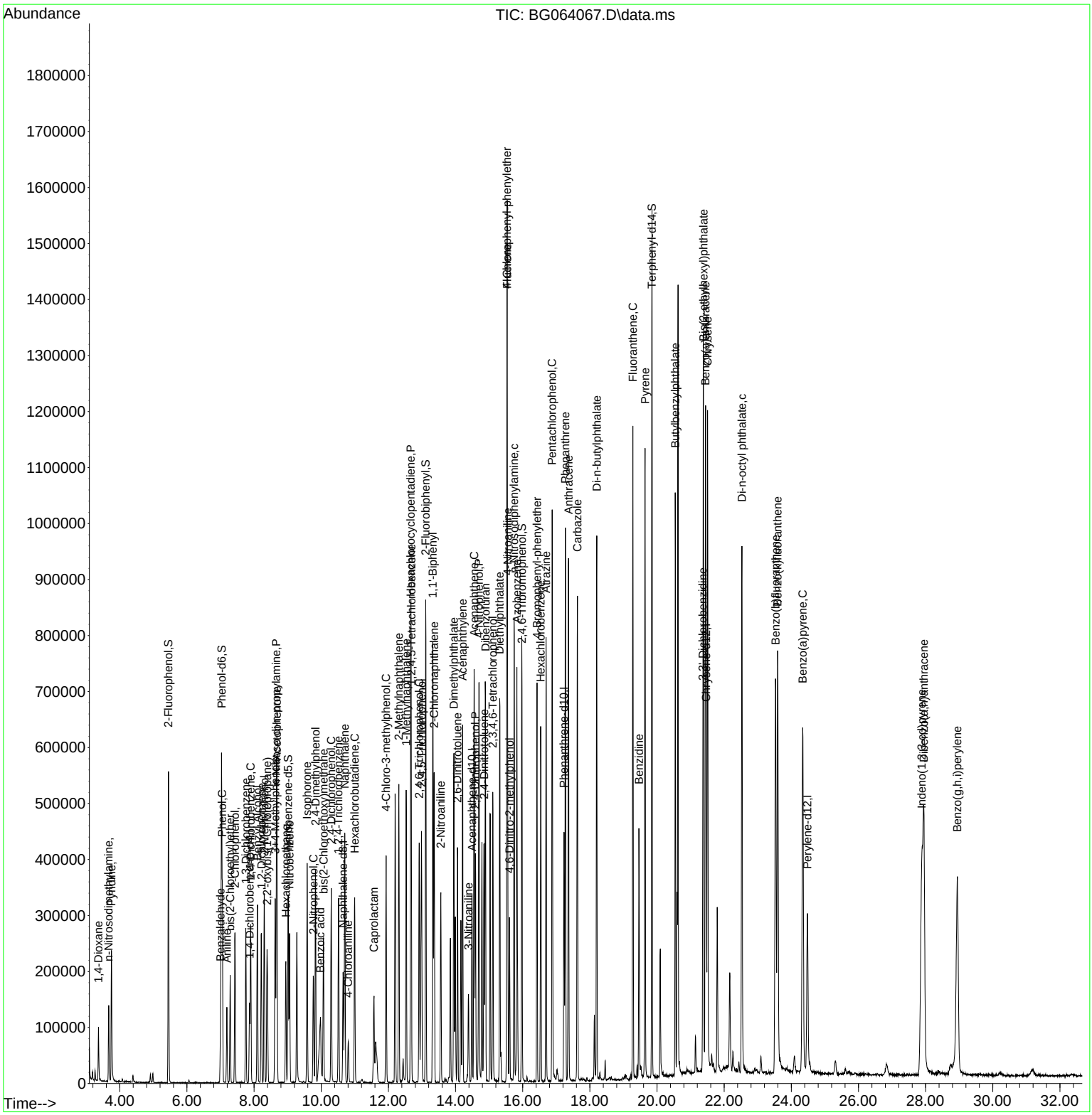
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030725\
Data File : BG064067.D
Acq On : 7 Mar 2025 20:22
Operator : RC/JU
Sample : Q1514-03MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

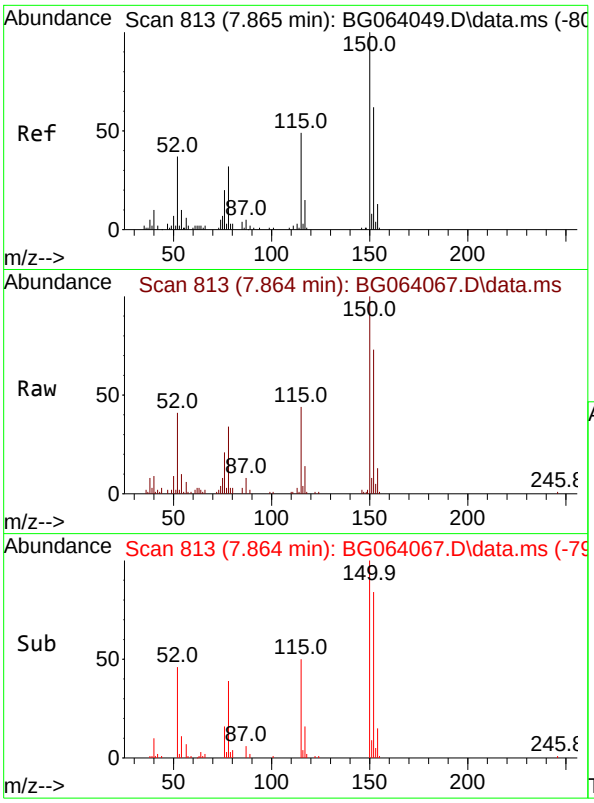
Quant Time: Mar 07 22:57:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG030525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 05 15:39:19 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02MSD

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

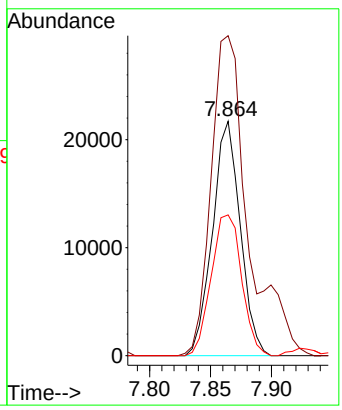




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.864 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:152 Resp: 3441

Ion	Ratio	Lower	Upper
152	100		
150	136.5	129.2	193.8
115	60.1	63.0	94.6



Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02MSD

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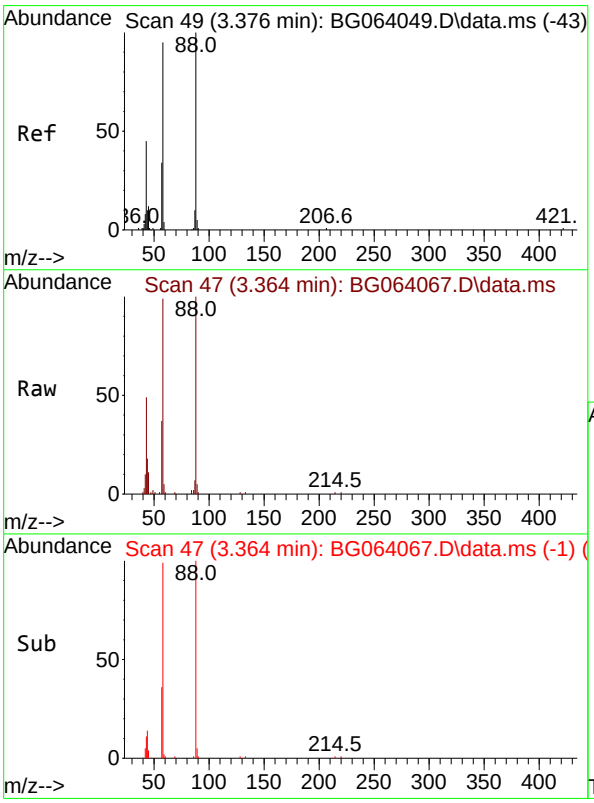
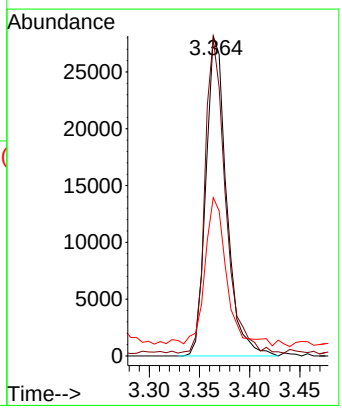
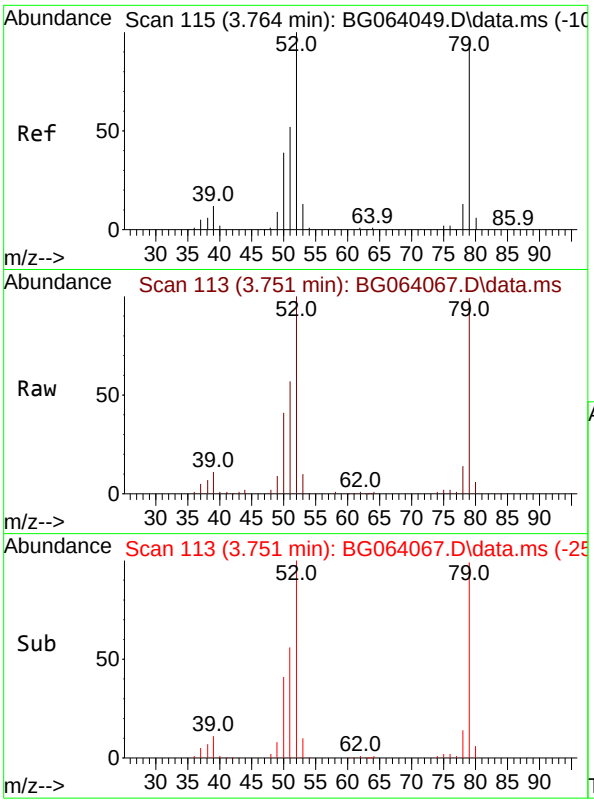


#2
1,4-Dioxane
Concen: 40.312 ng
RT: 3.364 min Scan# 47
Delta R.T. -0.012 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion: 88 Resp: 40262

Ion	Ratio	Lower	Upper
88	100		
58	97.6	74.6	111.8
43	51.0	35.5	53.3





#3
Pyridine
Concen: 39.488 ng
RT: 3.751 min Scan# 1
Delta R.T. -0.012 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion: 79 Resp: 9591

Ion	Ratio	Lower	Upper
79	100		
52	100.9	83.0	124.6
51	57.3	44.3	66.5

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02MSD

Manual Integrations
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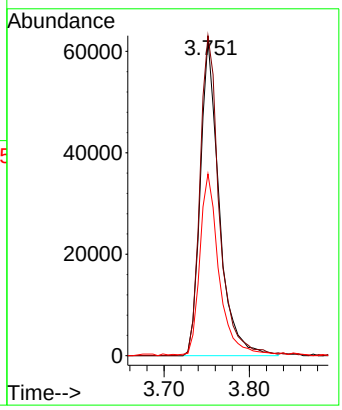
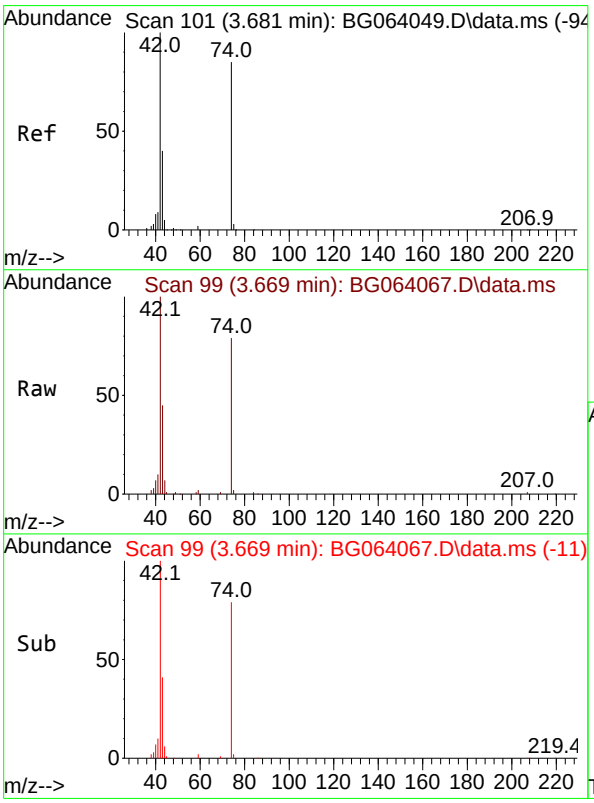
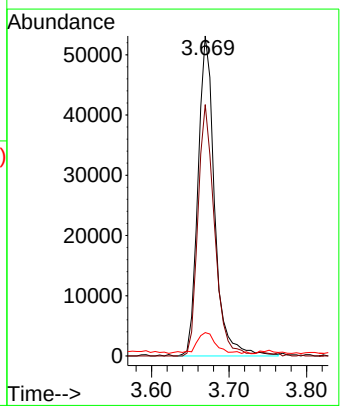


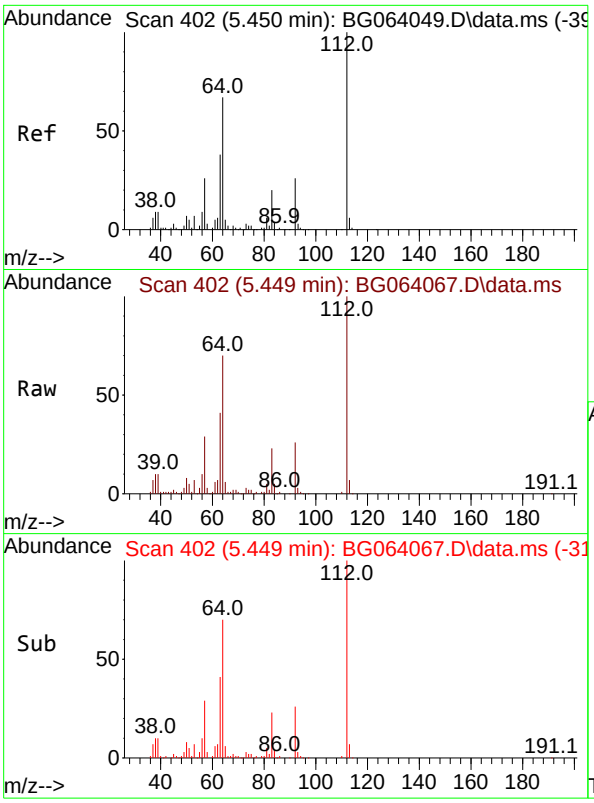


#4
n-Nitrosodimethylamine
Concen: 45.520 ng
RT: 3.669 min Scan# 99
Delta R.T. -0.012 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion: 42 Resp: 78998

Ion	Ratio	Lower	Upper
42	100		
74	78.6	68.0	102.0
44	7.3	4.9	7.3





#5
2-Fluorophenol
Concen: 91.314 ng
RT: 5.449 min Scan# 4
Delta R.T. -0.000 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:112 Resp: 20123

Ion	Ratio	Lower	Upper
112	100		
64	70.3	53.7	80.5
63	40.6	30.2	45.4

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02MSD

Manual Integrations
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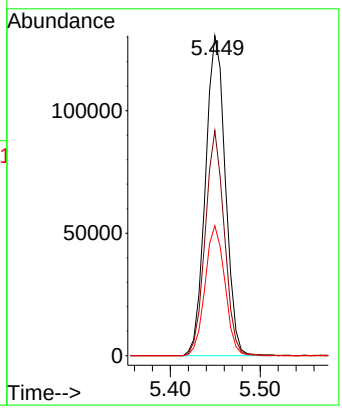
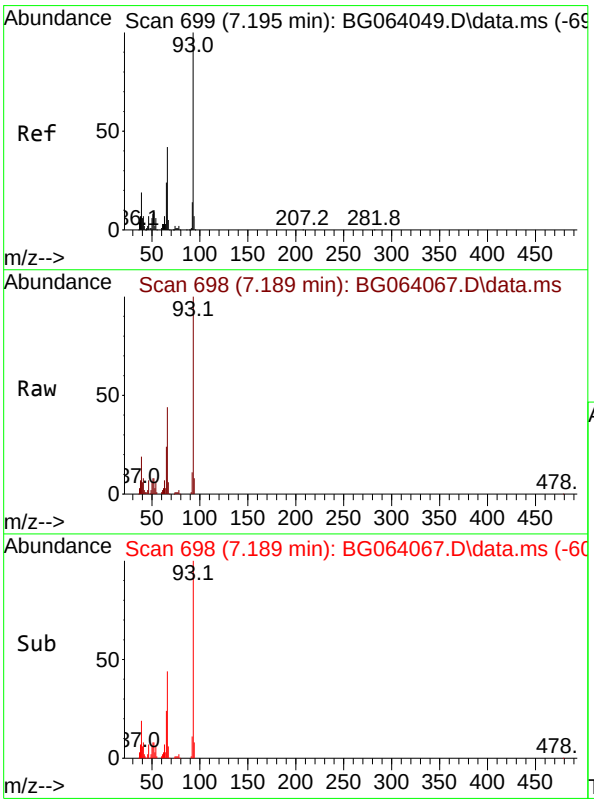
Supervised By :Jagrut Upadhyay 03/10/2025

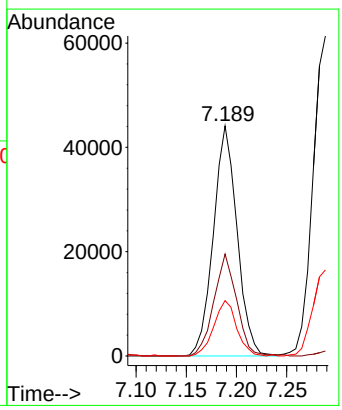


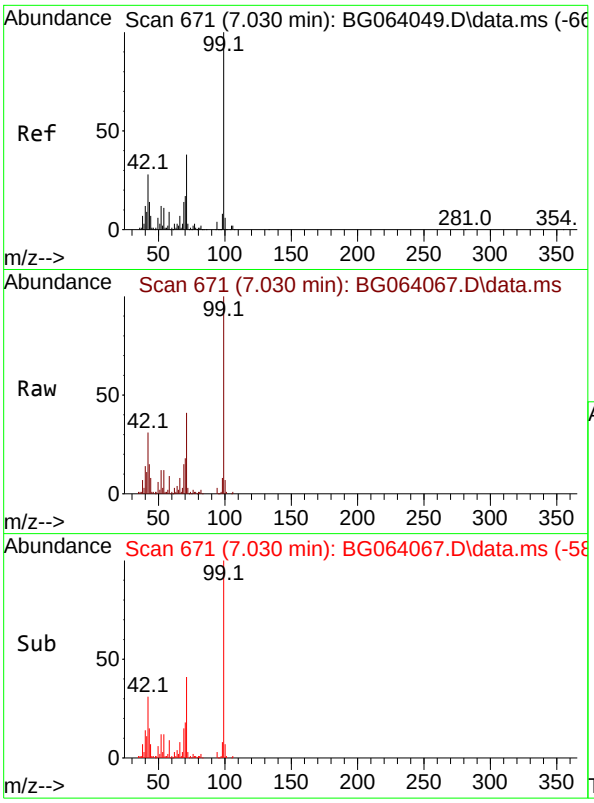


#6
Aniline
Concen: 24.613 ng
RT: 7.189 min Scan# 698
Delta R.T. -0.006 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion: 93 Resp: 72408

Ion	Ratio	Lower	Upper
93	100		
66	44.3	33.7	50.5
65	24.1	19.1	28.7





#7
Phenol-d6
Concen: 90.926 ng
RT: 7.030 min Scan# 6
Delta R.T. -0.000 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion: 99 Resp: 27259

Ion	Ratio	Lower	Upper
99	100		
42	31.4	22.7	34.1
71	41.3	30.6	46.0

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02MSD

Manual Integrations
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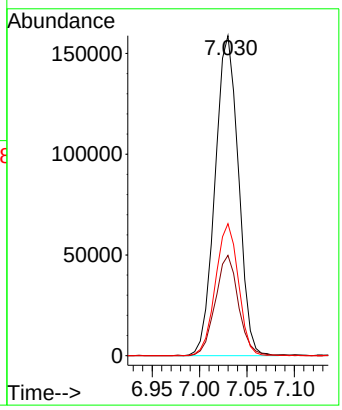
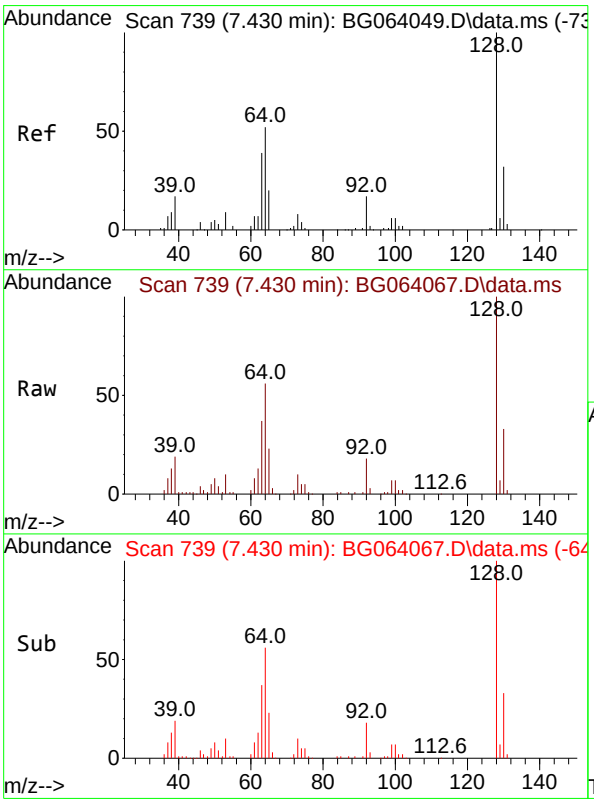
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

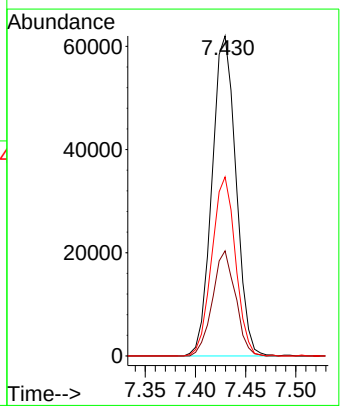


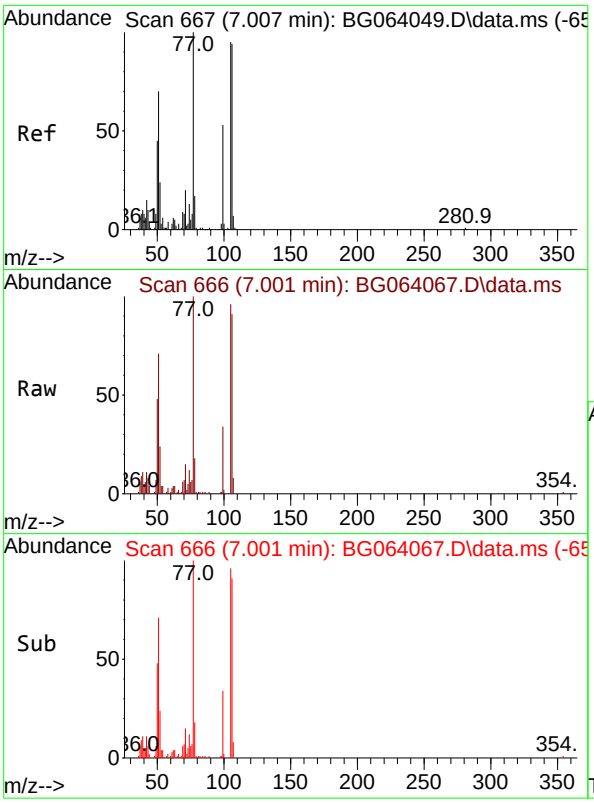


#8
2-Chlorophenol
Concen: 43.505 ng
RT: 7.430 min Scan# 739
Delta R.T. -0.000 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:128 Resp: 102971

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.3	52.3
64	56.0	37.0	77.0

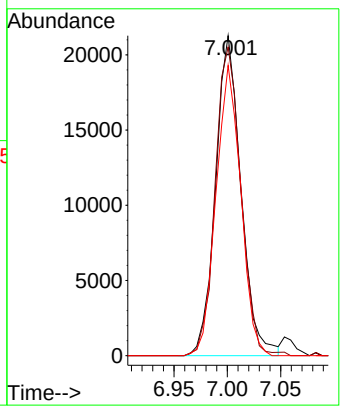




#9
Benzaldehyde
Concen: 20.163 ng
RT: 7.001 min Scan# 6
Delta R.T. -0.006 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion: 77 Resp: 3515

Ion	Ratio	Lower	Upper
77	100		
105	96.4	75.5	115.5
106	90.7	74.2	114.2



Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02MSD

Manual Integrations
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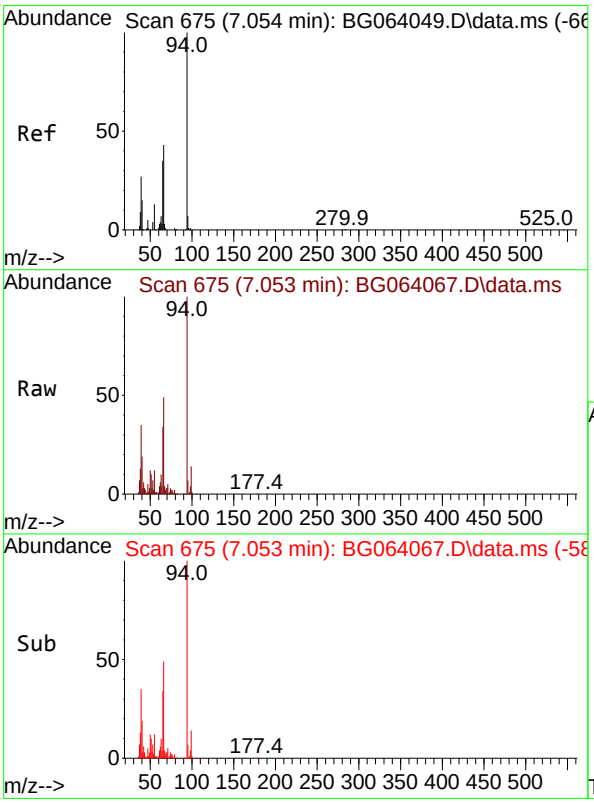
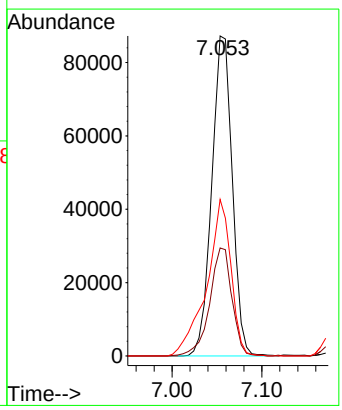
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

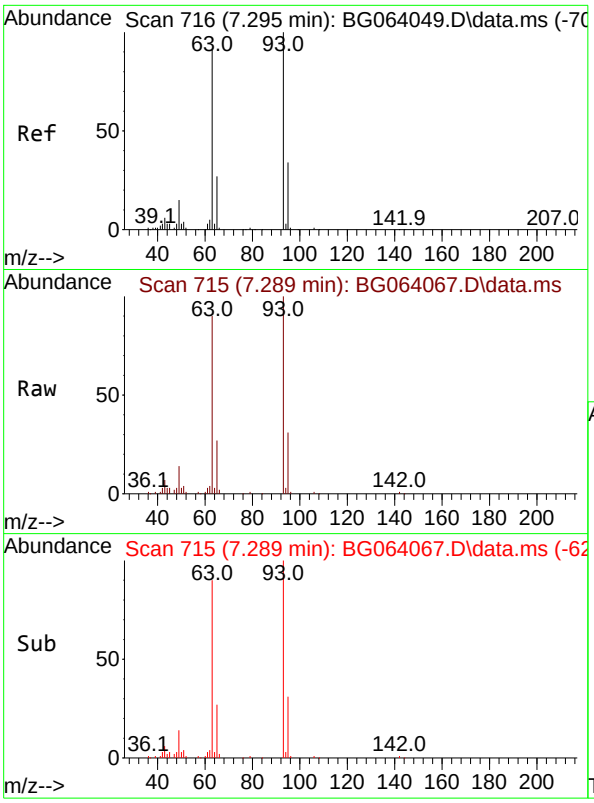


#10
Phenol
Concen: 45.085 ng
RT: 7.053 min Scan# 675
Delta R.T. -0.000 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion: 94 Resp: 138389

Ion	Ratio	Lower	Upper
94	100		
65	33.7	15.2	55.2
66	48.9	25.1	65.1

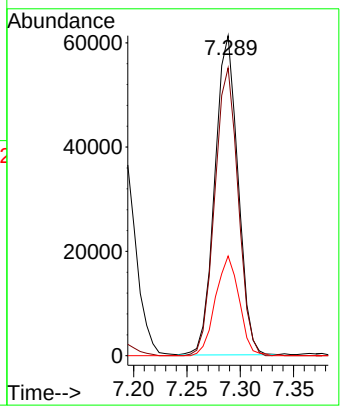




#11
bis(2-Chloroethyl)ether
Concen: 38.446 ng
RT: 7.289 min Scan# 7
Delta R.T. -0.006 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion: 93 Resp: 9251

Ion	Ratio	Lower	Upper
93	100		
63	90.0	70.0	110.0
95	31.1	13.7	53.7



Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02MSD

Manual Integrations
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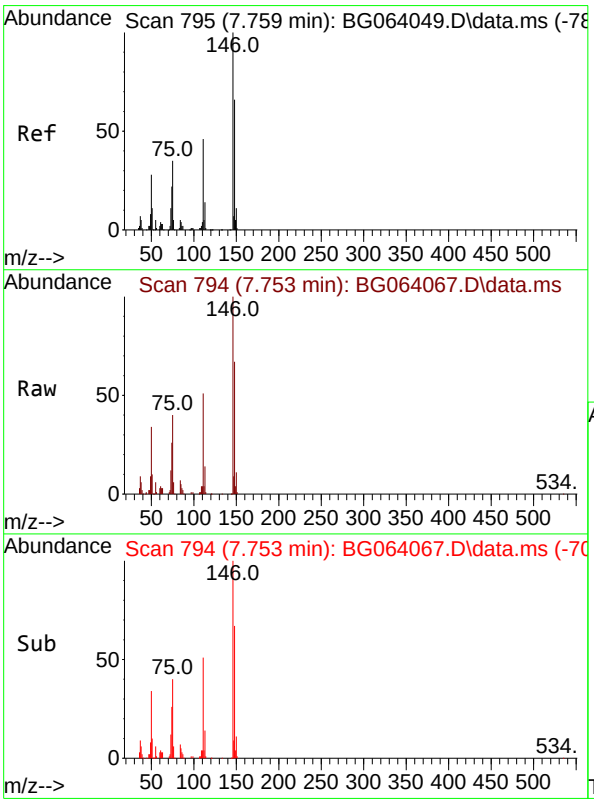
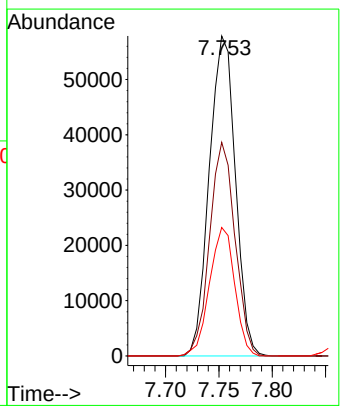
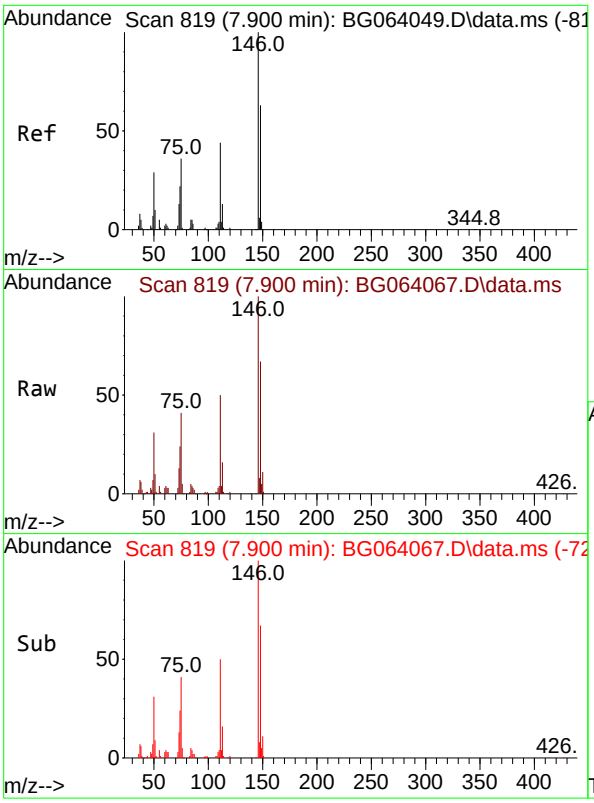


#12
1,3-Dichlorobenzene
Concen: 37.888 ng
RT: 7.753 min Scan# 794
Delta R.T. -0.006 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:146 Resp: 98477

Ion	Ratio	Lower	Upper
146	100		
148	66.8	52.6	78.8
75	40.1	28.1	42.1

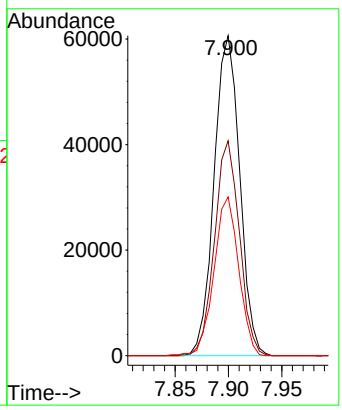




#13
1,4-Dichlorobenzene
Concen: 37.981 ng
RT: 7.900 min Scan# 8
Delta R.T. -0.000 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:146 Resp: 10118

Ion	Ratio	Lower	Upper
146	100		
148	67.2	50.6	75.8
111	49.6	35.1	52.7



Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02MSD

Manual Integrations
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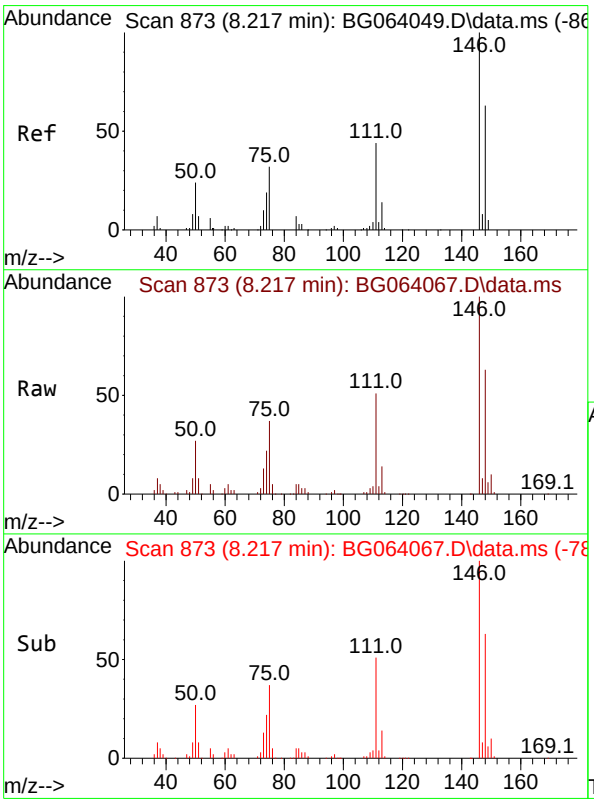
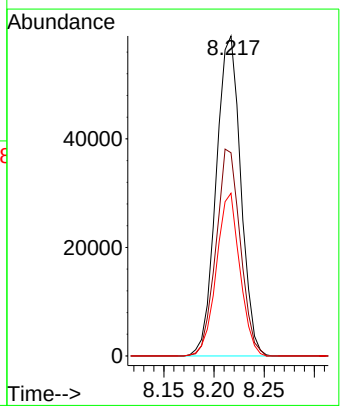
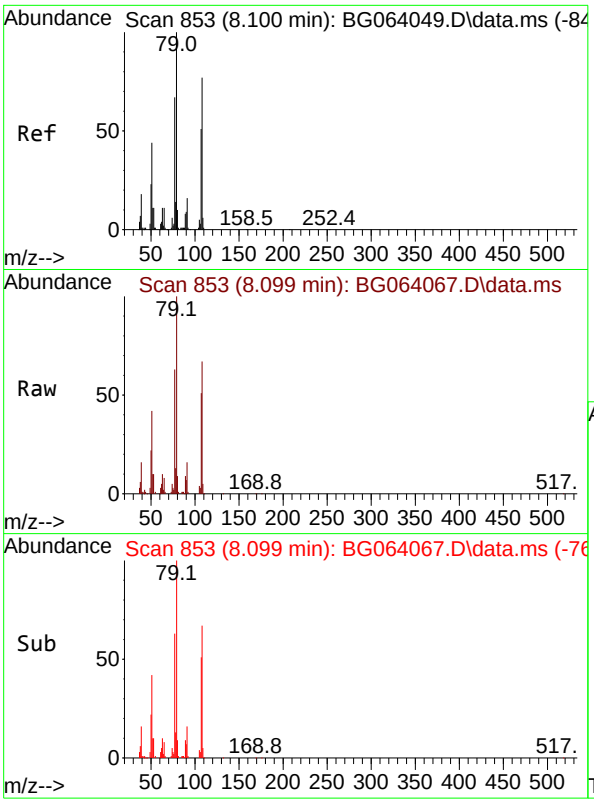


#14
1,2-Dichlorobenzene
Concen: 39.000 ng
RT: 8.217 min Scan# 873
Delta R.T. -0.000 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:146 Resp: 100188

Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.2	75.2
111	50.9	36.4	54.6





#15
Benzyl Alcohol
Concen: 44.633 ng
RT: 8.099 min Scan# 8
Delta R.T. -0.000 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion: 79 Resp: 10340

Ion	Ratio	Lower	Upper
79	100		
108	67.0	61.7	92.5
77	63.1	53.9	80.9

Instrument :
BNA_G
ClientSampleId :
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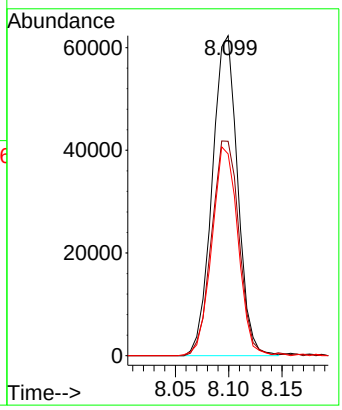
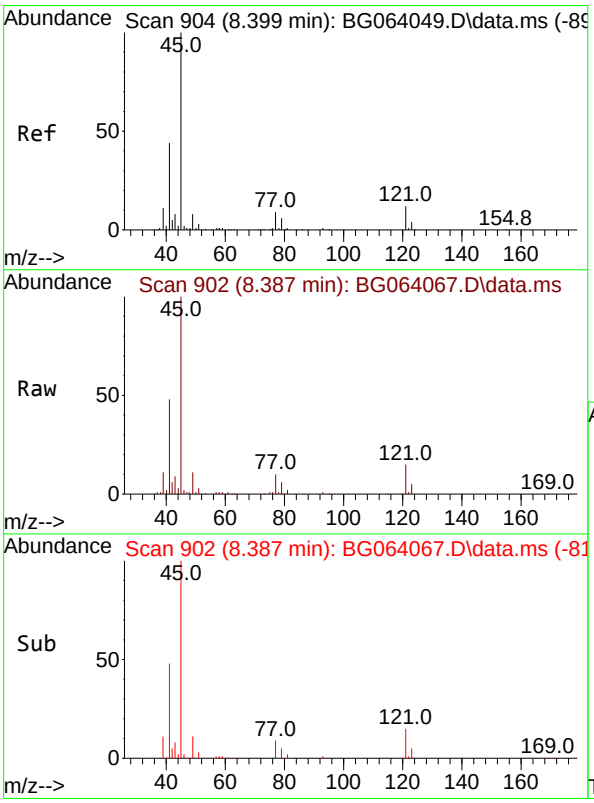
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

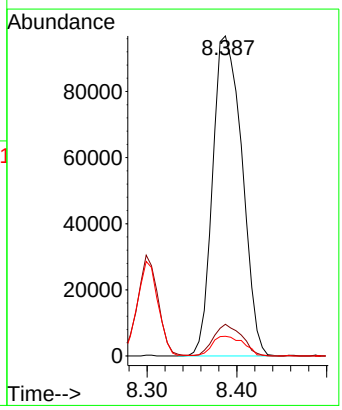


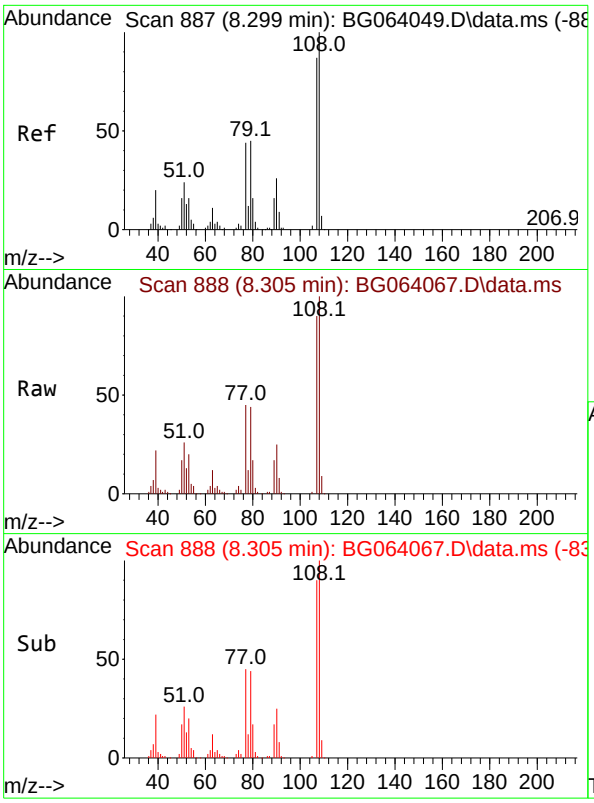


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.564 ng
RT: 8.387 min Scan# 902
Delta R.T. -0.012 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion: 45 Resp: 219491

Ion	Ratio	Lower	Upper
45	100		
77	9.9	0.0	29.0
79	6.1	0.0	26.6

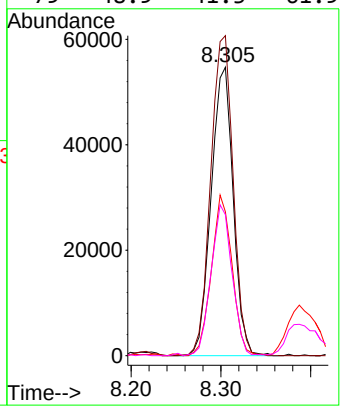




#17
2-Methylphenol
Concen: 45.799 ng
RT: 8.305 min Scan# 8
Delta R.T. 0.005 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:107 Resp: 9330

Ion	Ratio	Lower	Upper
107	100		
108	110.9	92.5	138.7
77	49.9	40.5	60.7
79	48.9	41.3	61.9



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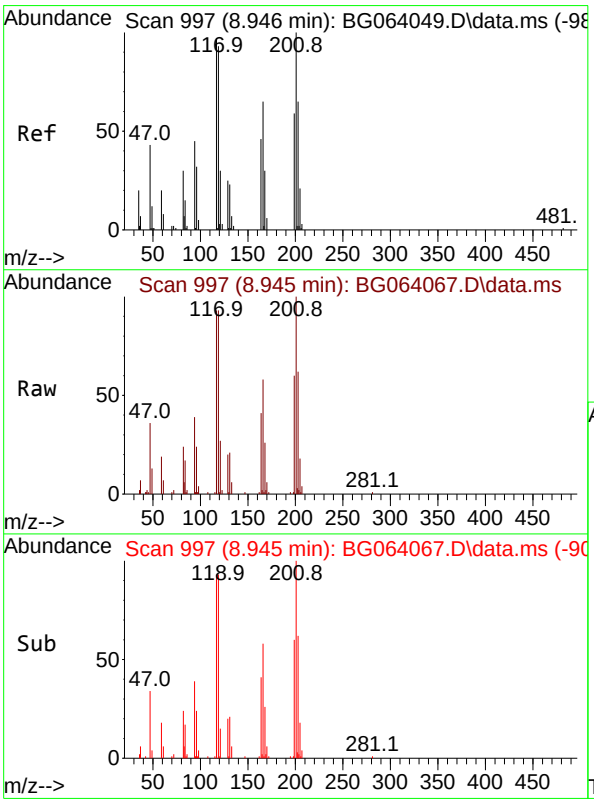
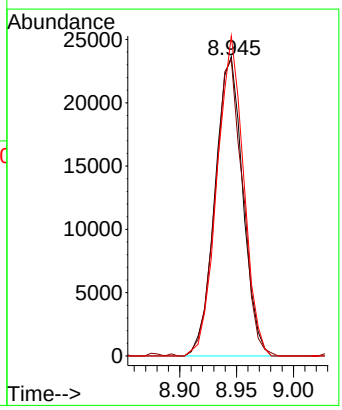
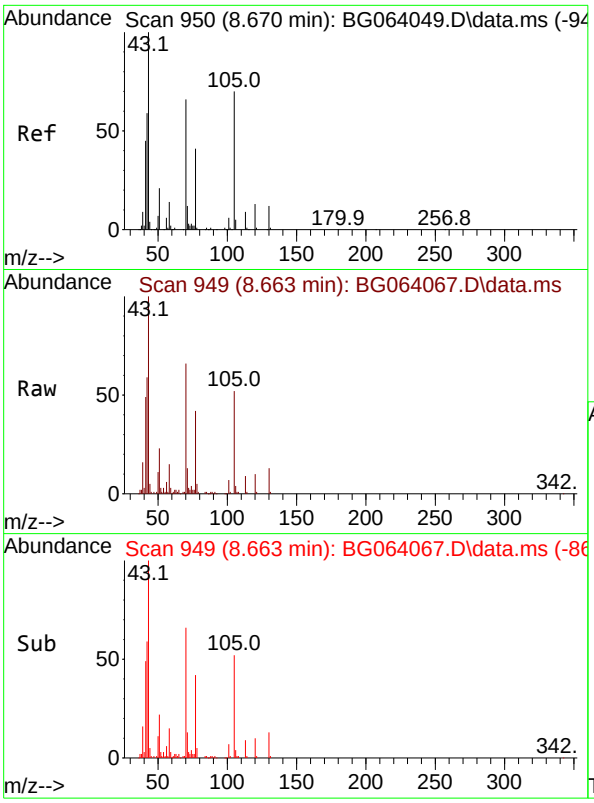


#18
Hexachloroethane
Concen: 42.970 ng
RT: 8.945 min Scan# 997
Delta R.T. -0.000 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:117 Resp: 40053

Ion	Ratio	Lower	Upper
117	100		
119	99.1	76.2	114.2
201	107.0	81.5	122.3

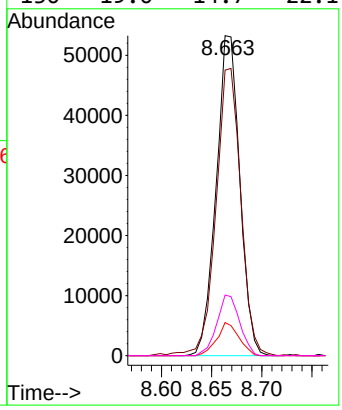




#19
n-Nitroso-di-n-propylamine
Concen: 41.477 ng
RT: 8.663 min Scan# 94
Delta R.T. -0.006 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion: 70 Resp: 8726

Ion	Ratio	Lower	Upper
70	100		
42	89.2	72.1	108.1
101	10.4	7.2	10.8
130	19.0	14.7	22.1



Instrument :
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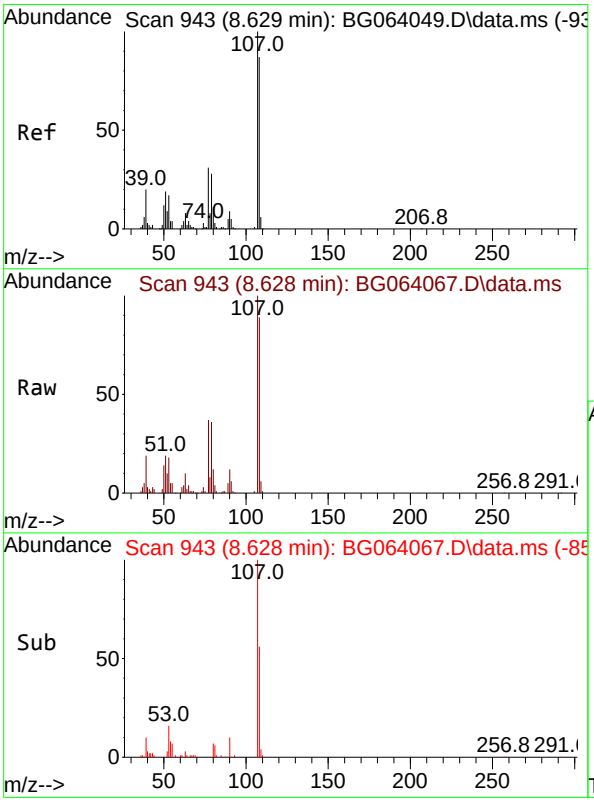
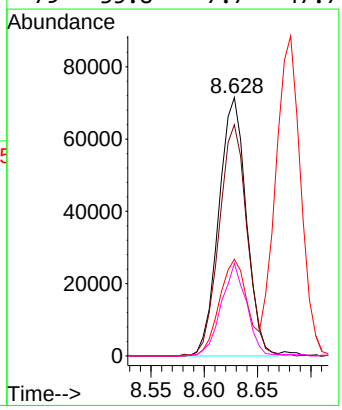
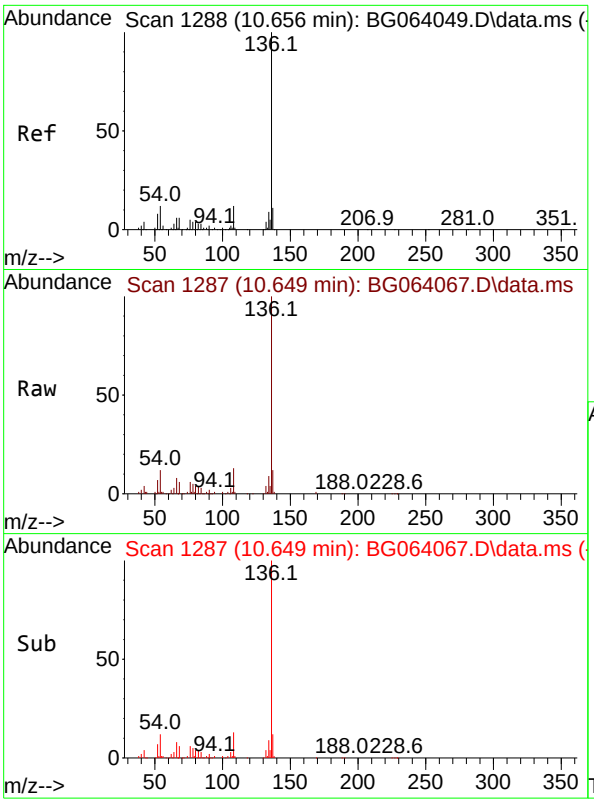


#20
3+4-Methylphenols
Concen: 45.704 ng
RT: 8.628 min Scan# 943
Delta R.T. -0.000 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:107 Resp: 128180

Ion	Ratio	Lower	Upper
107	100		
108	89.4	67.0	107.0
77	37.5	11.2	51.2
79	35.8	7.7	47.7

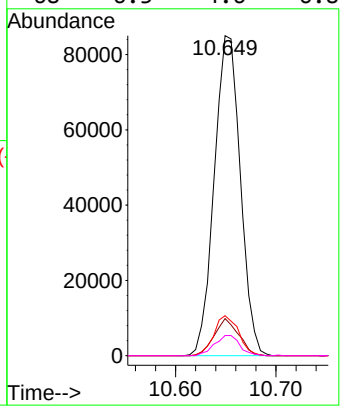




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.649 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:136 Resp: 15331

Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.5	12.7
54	12.5	9.9	14.9
68	6.3	4.6	6.8



Instrument :
BNA_G
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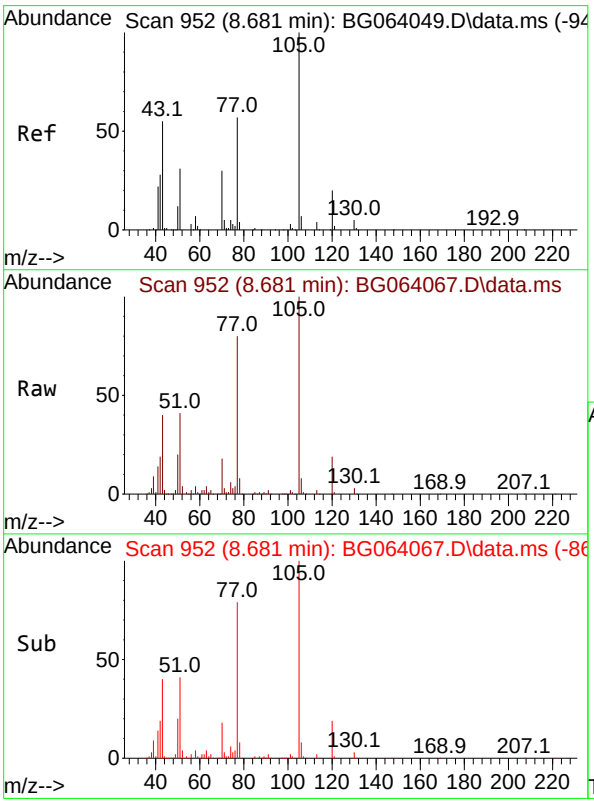
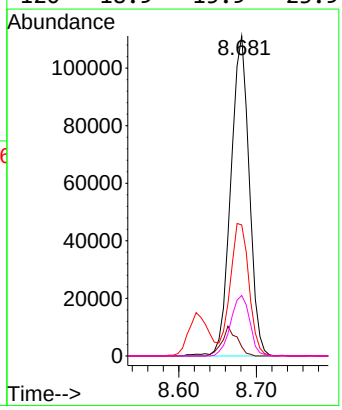
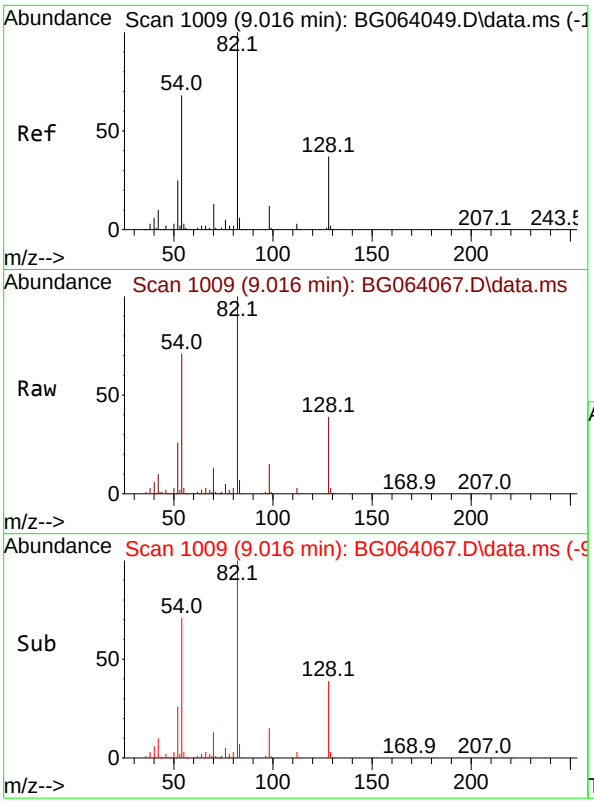


#22
Acetophenone
Concen: 43.567 ng
RT: 8.681 min Scan# 952
Delta R.T. -0.000 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:105 Resp: 183133

Ion	Ratio	Lower	Upper
105	100		
71	2.9	4.2	6.4#
51	40.9	33.3	49.9
120	18.9	15.9	23.9

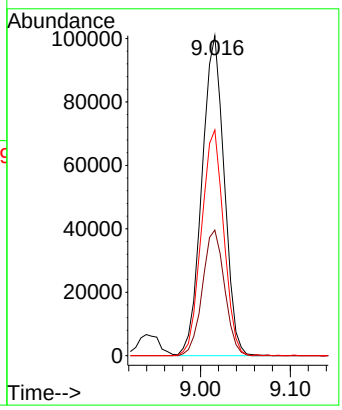




#23
Nitrobenzene-d5
Concen: 62.544 ng
RT: 9.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion: 82 Resp: 17351

Ion	Ratio	Lower	Upper
82	100		
128	39.3	30.0	45.0
54	70.6	54.7	82.1



Instrument :
BNA_G
ClientSampleId :
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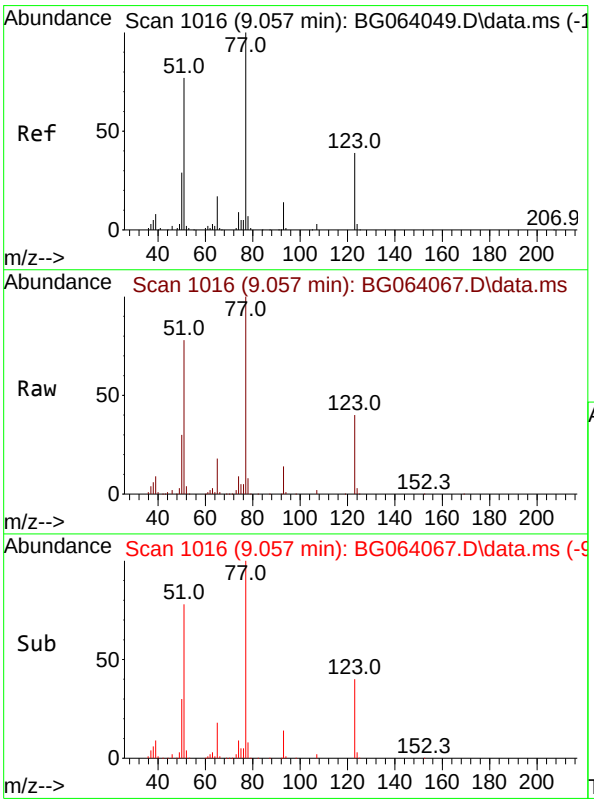
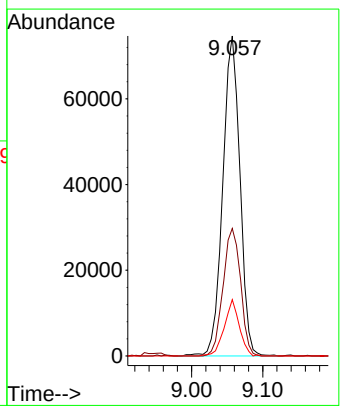
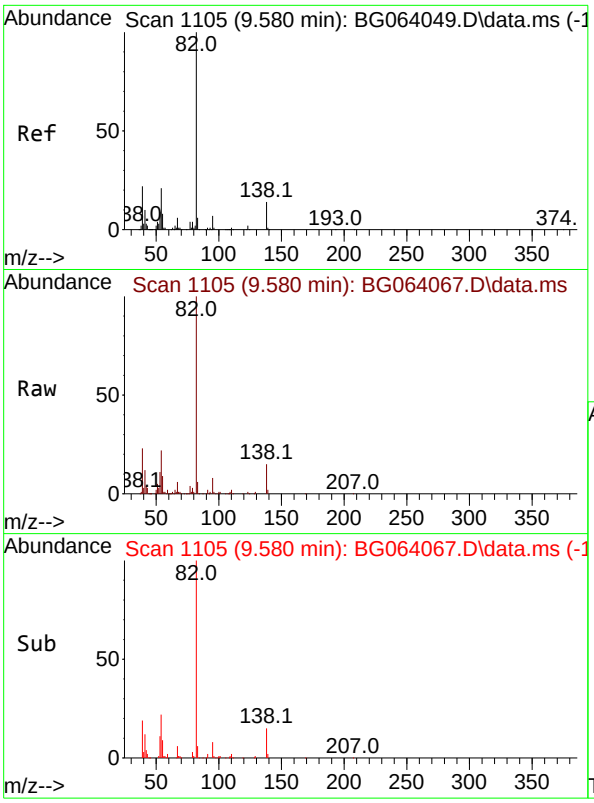


#24
Nitrobenzene
Concen: 43.631 ng
RT: 9.057 min Scan# 1016
Delta R.T. -0.000 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion: 77 Resp: 125094

Ion	Ratio	Lower	Upper
77	100		
123	39.9	31.4	47.2
65	17.6	13.4	20.0

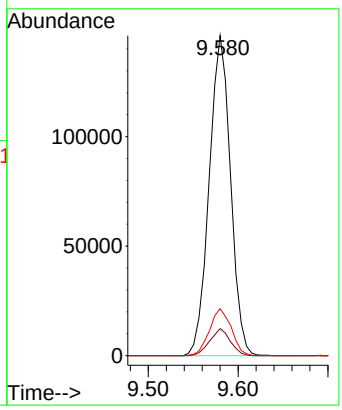




#25
Isophorone
Concen: 43.431 ng
RT: 9.580 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion: 82 Resp: 24116

Ion	Ratio	Lower	Upper
82	100		
95	8.4	5.8	8.8
138	14.7	10.9	16.3



Instrument :
BNA_G
ClientSampleId :
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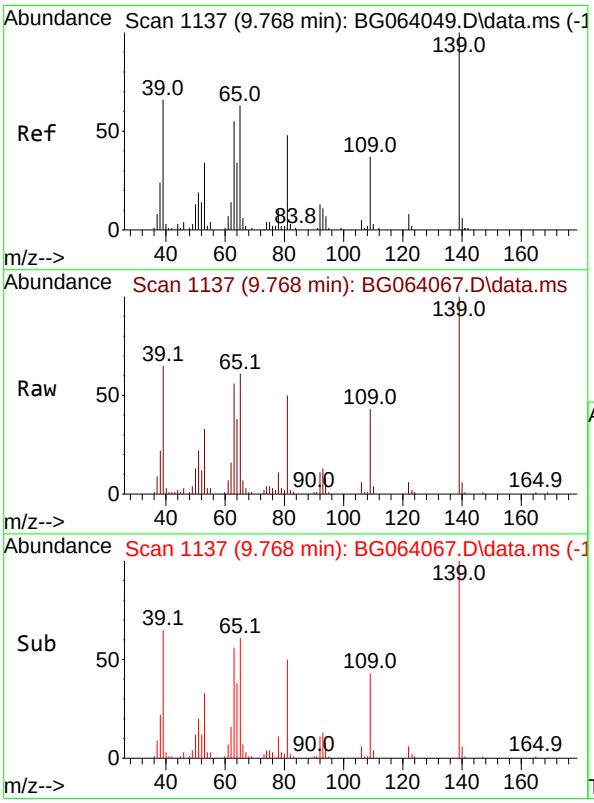
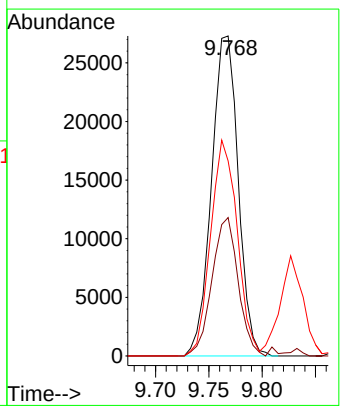
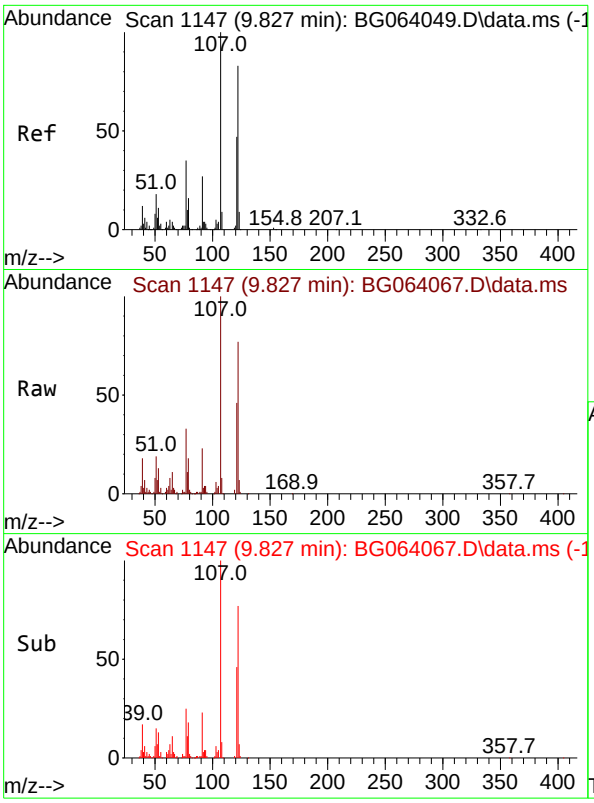


#26
2-Nitrophenol
Concen: 47.899 ng
RT: 9.768 min Scan# 1137
Delta R.T. -0.000 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:139 Resp: 47450

Ion	Ratio	Lower	Upper
139	100		
109	43.3	29.9	44.9
65	61.0	50.6	76.0

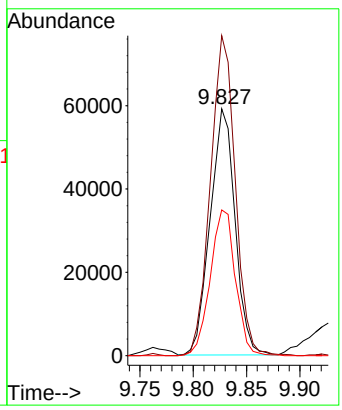




#27
2,4-Dimethylphenol
Concen: 57.653 ng
RT: 9.827 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:122 Resp: 9597

Ion	Ratio	Lower	Upper
122	100		
107	129.6	95.4	143.0
121	59.1	44.9	67.3



Instrument :
BNA_G
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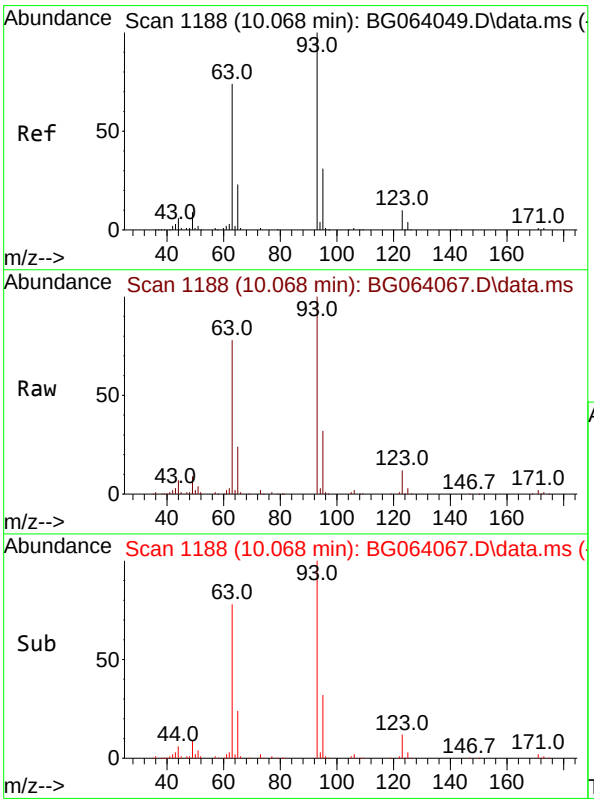
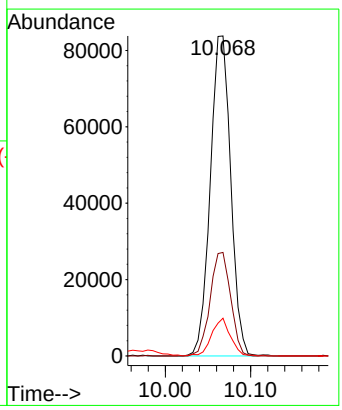
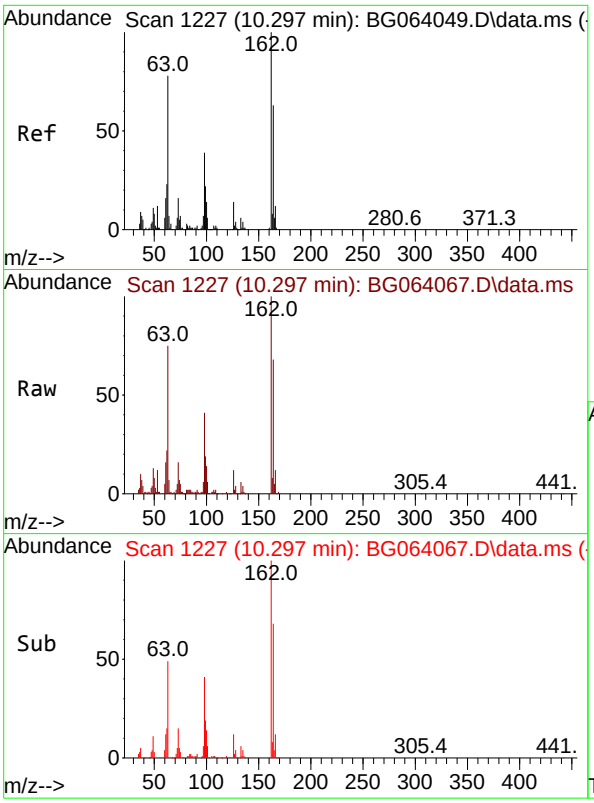


#28
bis(2-Chloroethoxy)methane
Concen: 41.460 ng
RT: 10.068 min Scan# 1188
Delta R.T. -0.000 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion: 93 Resp: 139576

Ion	Ratio	Lower	Upper
93	100		
95	32.3	25.0	37.4
123	11.8	7.6	11.4#

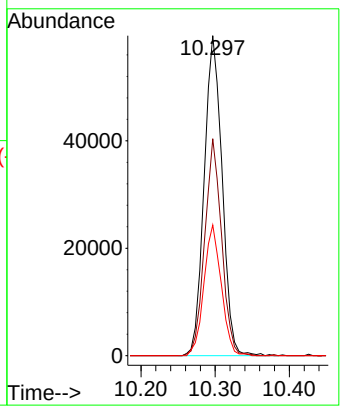




#29
2,4-Dichlorophenol
Concen: 47.689 ng
RT: 10.297 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:162 Resp: 10024

Ion	Ratio	Lower	Upper
162	100		
164	67.8	42.8	82.8
98	40.8	19.1	59.1



Instrument :
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ClientSampleId :
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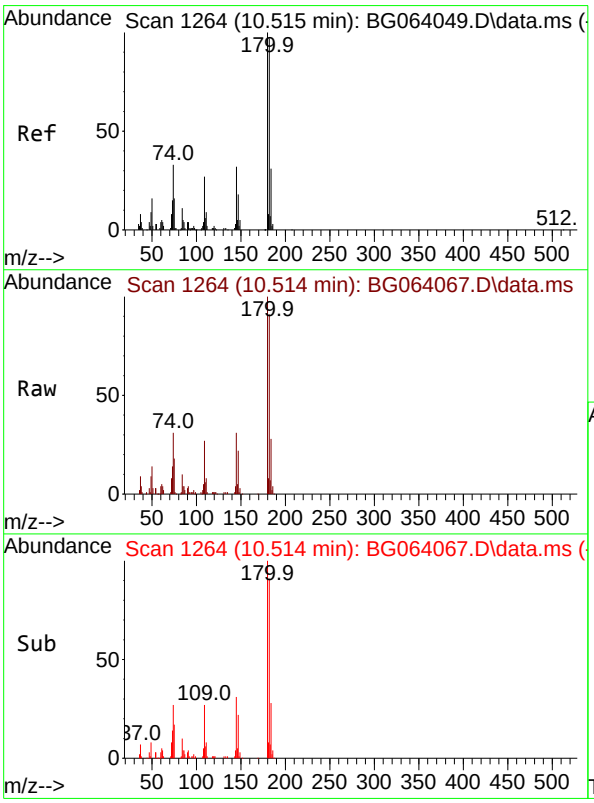
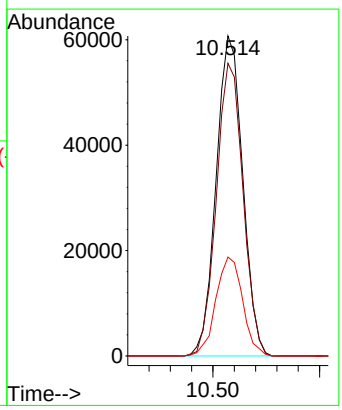
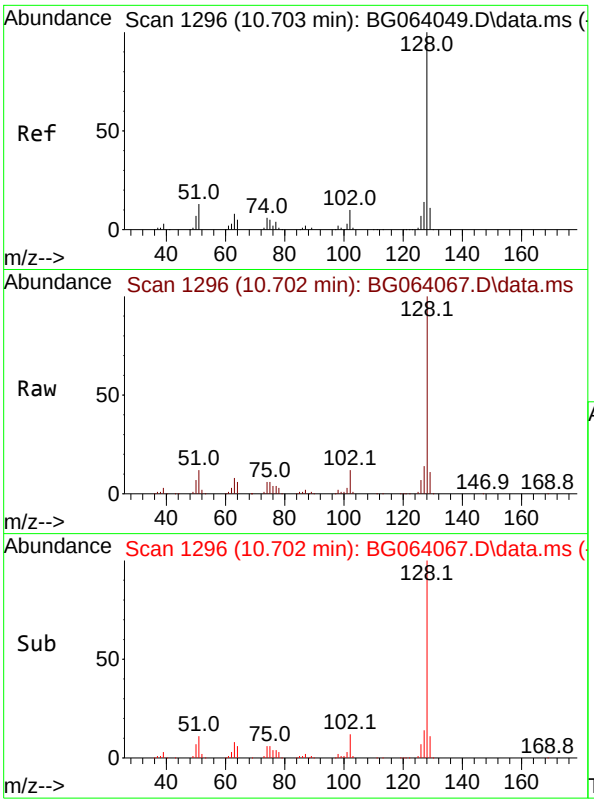


#30
1,2,4-Trichlorobenzene
Concen: 41.374 ng
RT: 10.514 min Scan# 1264
Delta R.T. -0.000 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:180 Resp: 104985

Ion	Ratio	Lower	Upper
180	100		
182	91.5	77.3	115.9
145	30.9	25.2	37.8

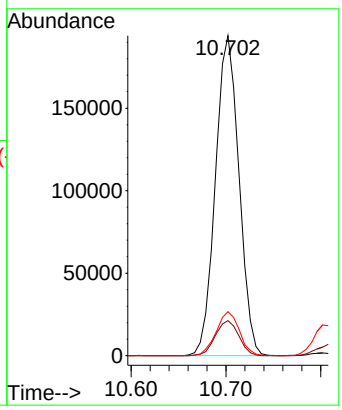




#31
Naphthalene
Concen: 40.516 ng
RT: 10.702 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:128 Resp: 33494

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.4	12.6
127	13.7	11.1	16.7



Instrument :
BNA_G
ClientSampleId :
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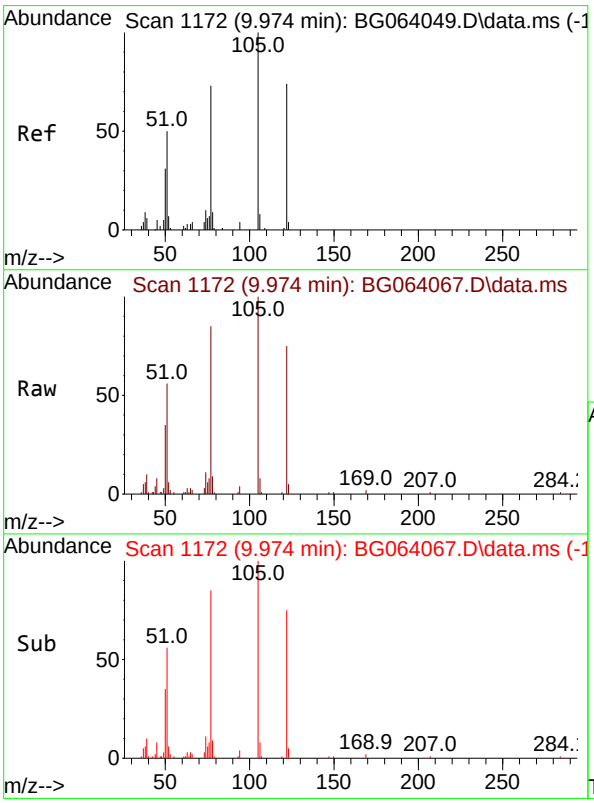
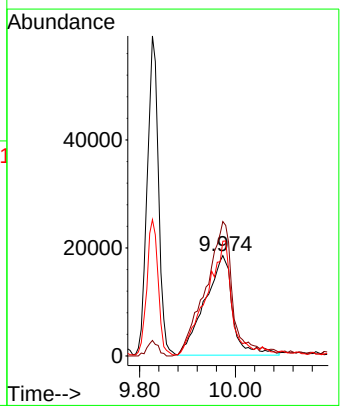
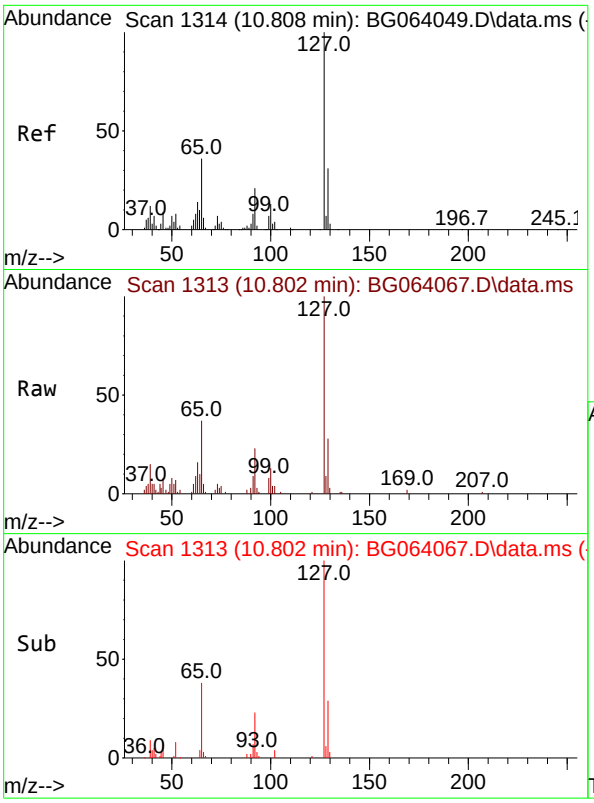


#32
Benzoic acid
Concen: 48.400 ng m
RT: 9.974 min Scan# 1172
Delta R.T. -0.000 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:122 Resp: 74121

Ion	Ratio	Lower	Upper
122	100		
105	134.0	115.0	155.0
77	114.2	80.9	120.9

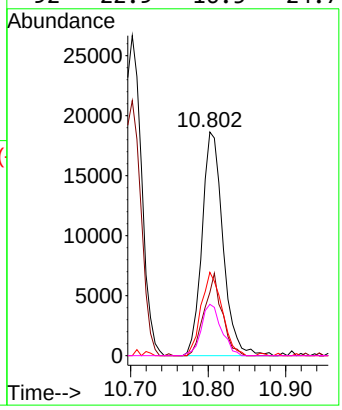




#33
4-Chloroaniline
Concen: 11.593 ng
RT: 10.802 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:127 Resp: 3503

Ion	Ratio	Lower	Upper
127	100		
129	28.3	25.0	37.4
65	37.3	28.5	42.7
92	22.9	16.5	24.7



Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02MSD

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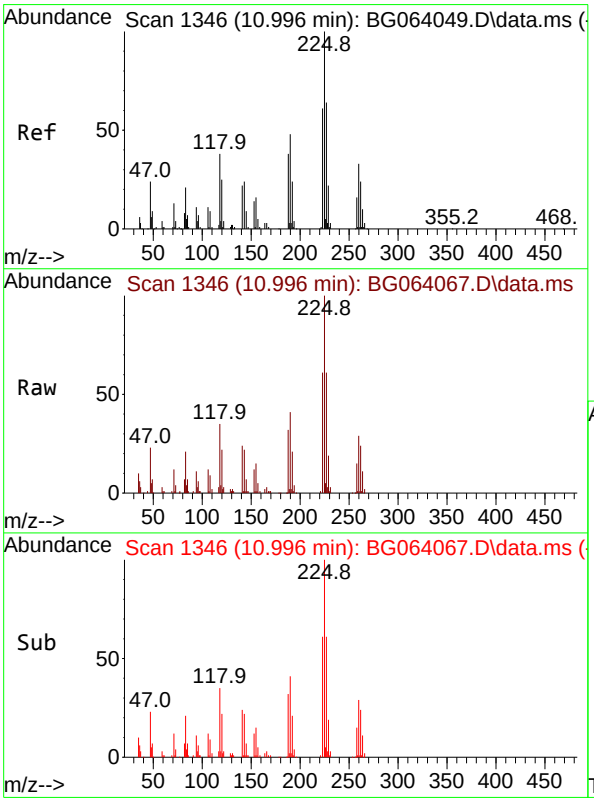
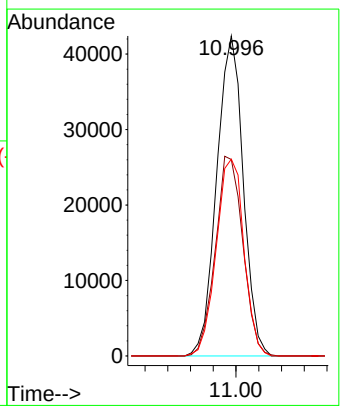
Supervised By :Jagrut Upadhyay 03/10/2025

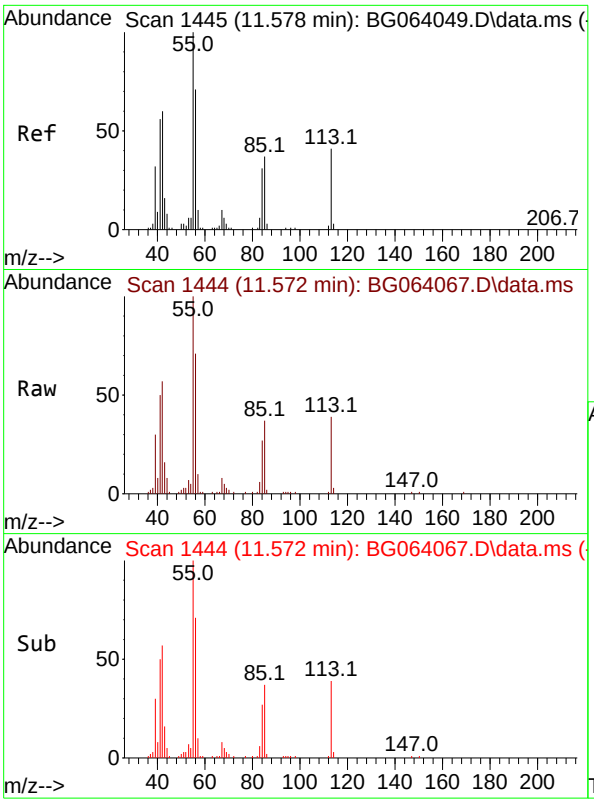


#34
Hexachlorobutadiene
Concen: 41.321 ng
RT: 10.996 min Scan# 1346
Delta R.T. -0.000 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:225 Resp: 68725

Ion	Ratio	Lower	Upper
225	100		
223	61.4	48.5	72.7
227	61.5	51.0	76.6

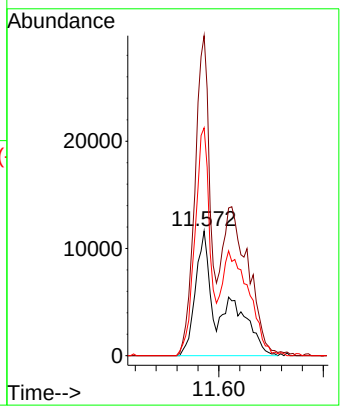




#35
Caprolactam
Concen: 50.786 ng m
RT: 11.572 min Scan# 14
Delta R.T. -0.006 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:113 Resp: 4090

Ion	Ratio	Lower	Upper
113	100		
55	256.7	225.2	265.2
56	182.8	153.4	193.4



Instrument :
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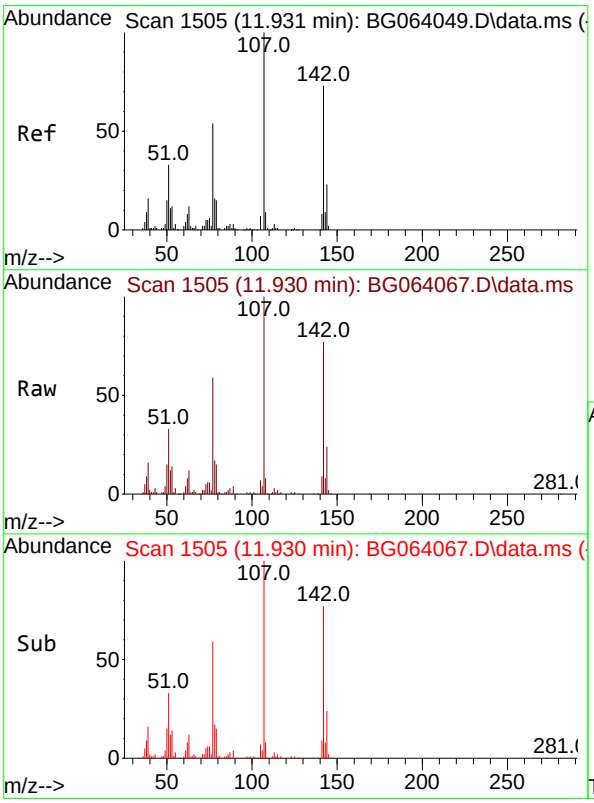
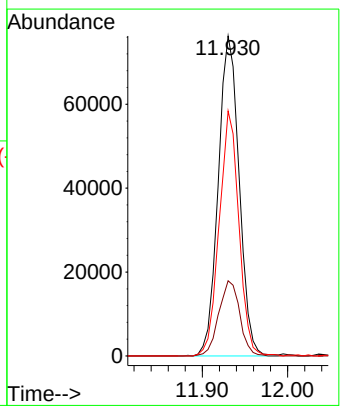
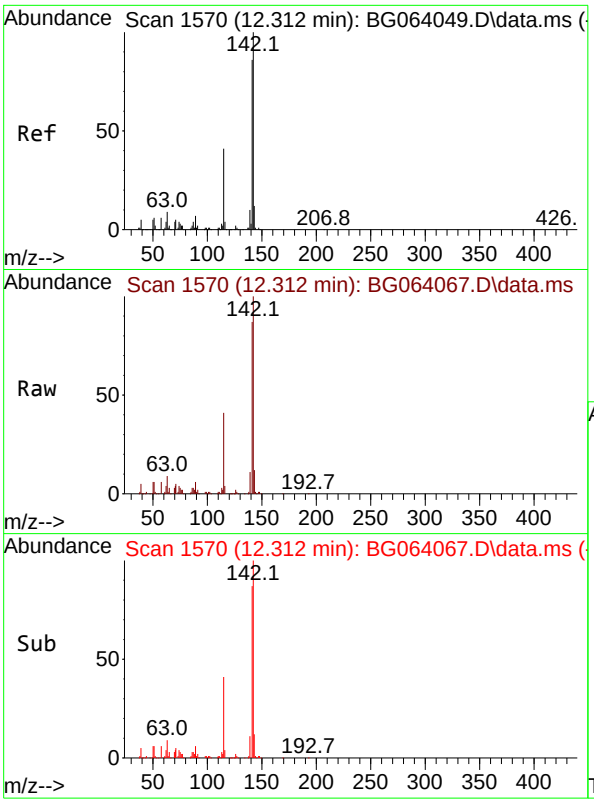


#36
4-Chloro-3-methylphenol
Concen: 47.127 ng
RT: 11.930 min Scan# 1505
Delta R.T. -0.000 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:107 Resp: 129850

Ion	Ratio	Lower	Upper
107	100		
144	23.5	18.6	28.0
142	76.6	58.0	87.0

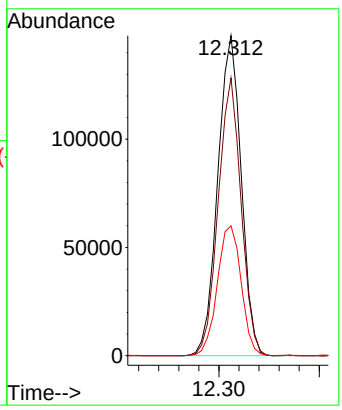




#37
2-Methylnaphthalene
Concen: 41.012 ng
RT: 12.312 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:142 Resp: 23935

Ion	Ratio	Lower	Upper
142	100		
141	86.8	68.6	103.0
115	40.6	32.8	49.2



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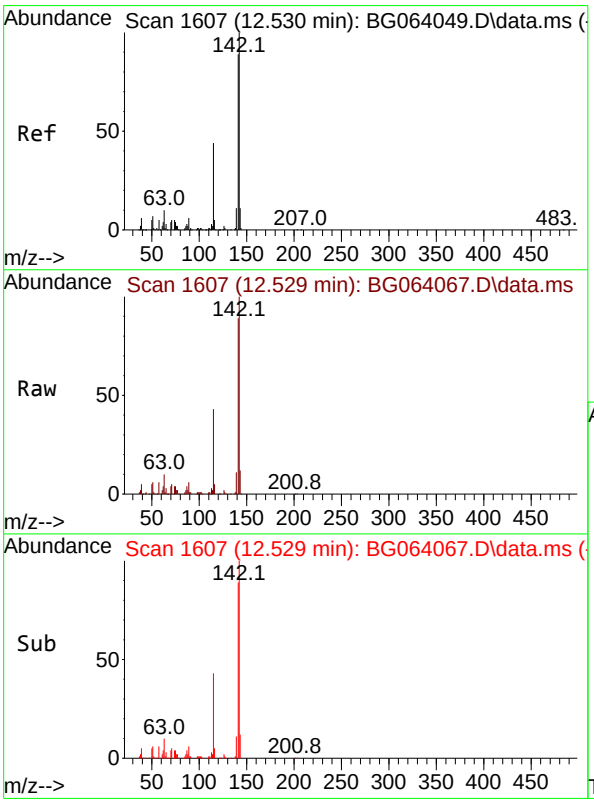
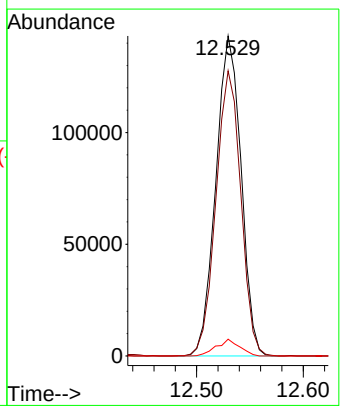
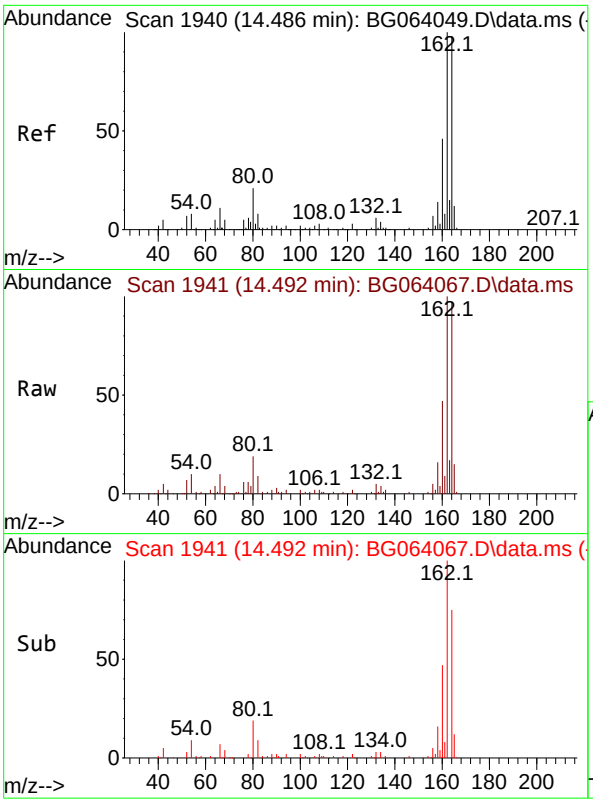


#38
1-Methylnaphthalene
Concen: 41.147 ng
RT: 12.529 min Scan# 1607
Delta R.T. -0.000 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:142 Resp: 235268

Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.2	106.8
116	5.2	3.6	5.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.492 min Scan# 1
Delta R.T. 0.006 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:164 Resp: 11251

Ion	Ratio	Lower	Upper
164	100		
162	102.6	81.4	122.0
160	47.8	37.0	55.6

Instrument :
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ClientSampleId :
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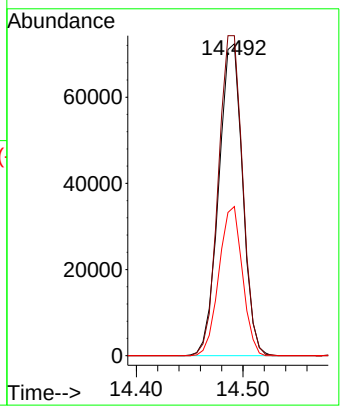
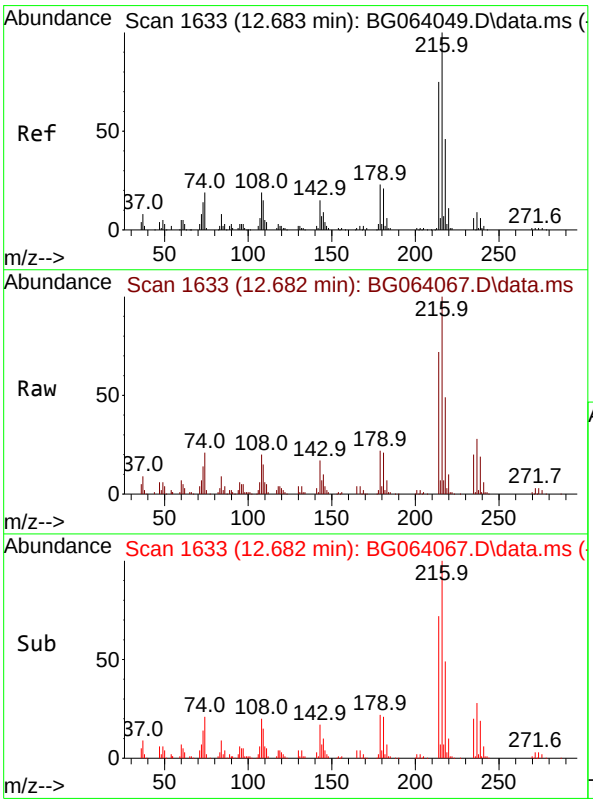
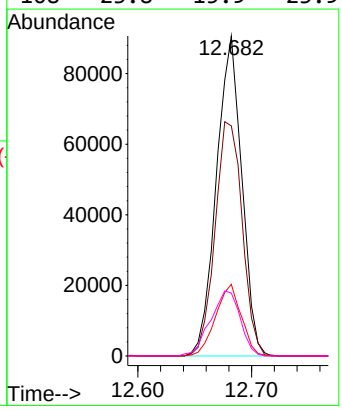


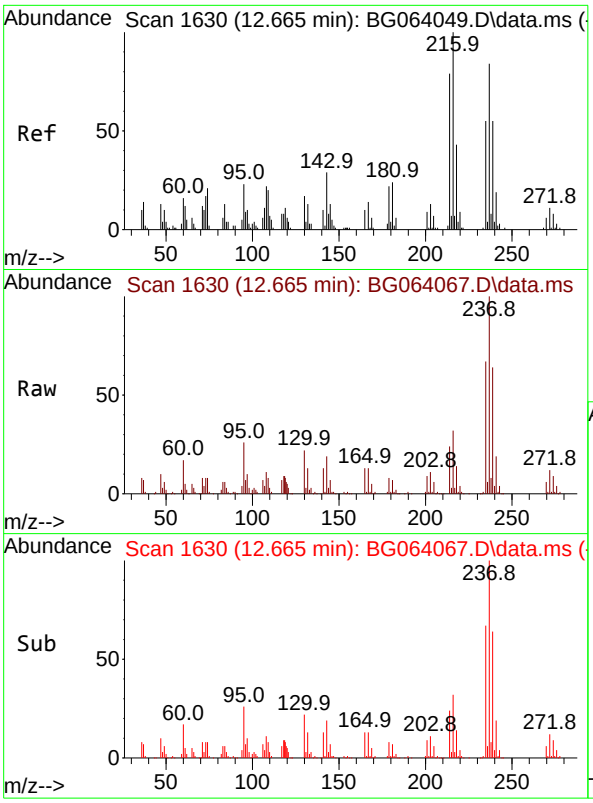


#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.740 ng
RT: 12.682 min Scan# 1633
Delta R.T. -0.000 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:216 Resp: 140504

Ion	Ratio	Lower	Upper
216	100		
214	78.2	61.7	92.5
179	22.7	17.9	26.9
108	23.8	15.9	23.9

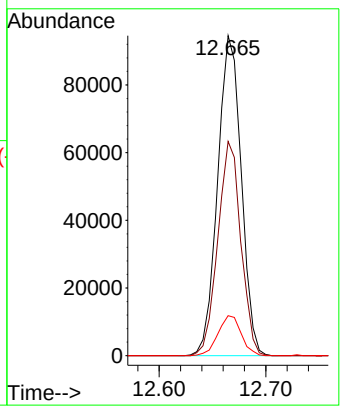




#41
Hexachlorocyclopentadiene
Concen: 160.578 ng
RT: 12.665 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:237 Resp: 14517

Ion	Ratio	Lower	Upper
237	100		
235	66.9	46.0	86.0
272	12.5	0.0	32.8



Instrument :
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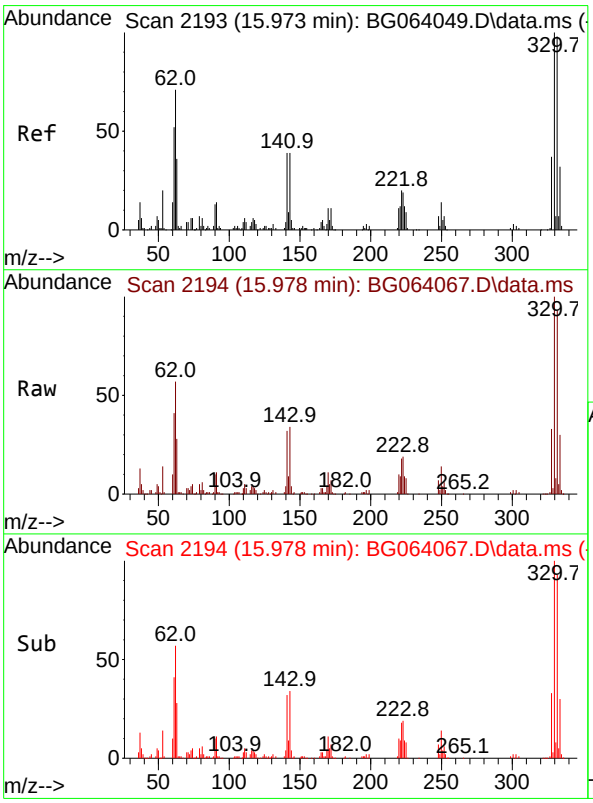
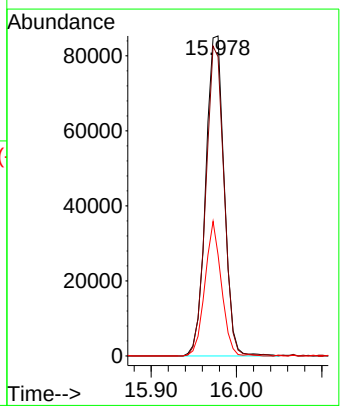
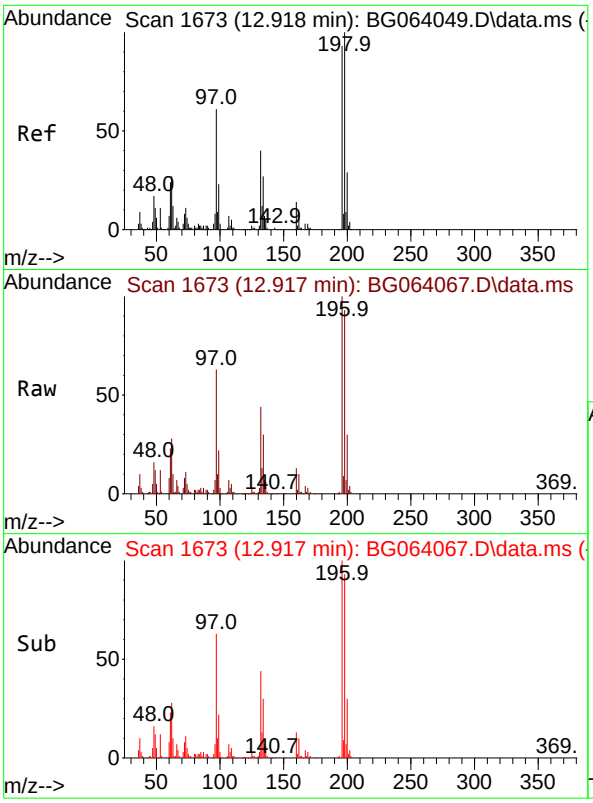


#42
2,4,6-Tribromophenol
Concen: 102.094 ng
RT: 15.978 min Scan# 2194
Delta R.T. 0.005 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:330 Resp: 127687

Ion	Ratio	Lower	Upper
330	100		
332	95.5	76.7	115.1
141	37.7	29.7	44.5





#43
2,4,6-Trichlorophenol
Concen: 47.644 ng
RT: 12.917 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:196 Resp: 9019

Ion	Ratio	Lower	Upper
196	100		
198	93.5	85.6	128.4
200	29.6	24.6	37.0

Instrument :
BNA_G
ClientSampleId :
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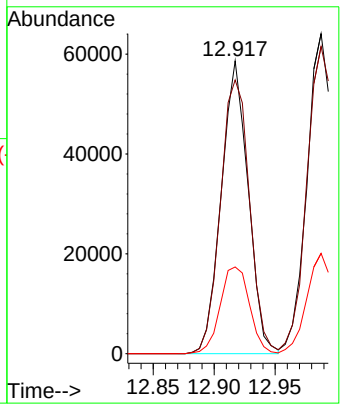
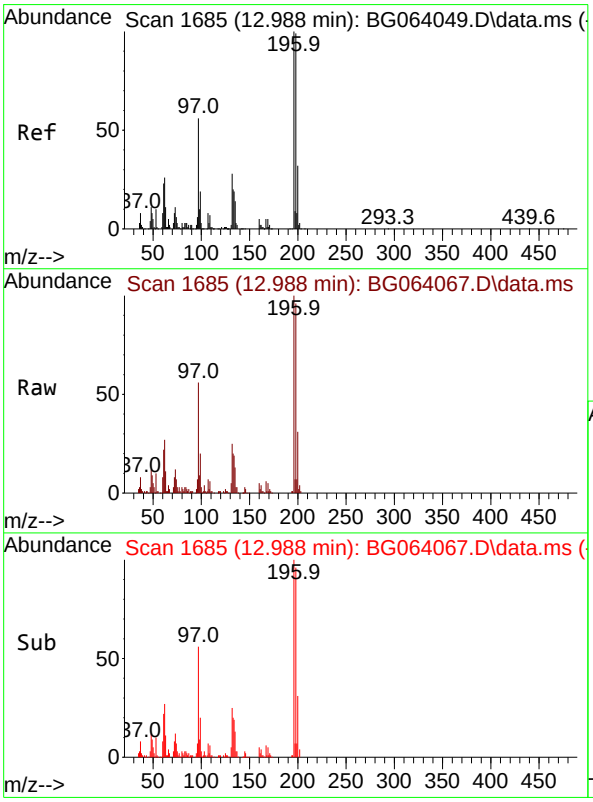
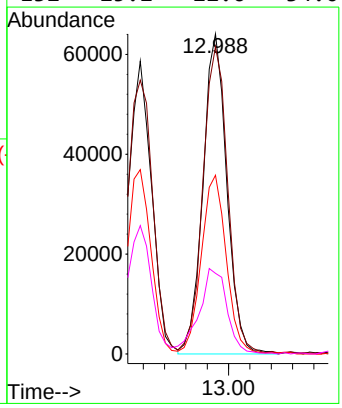


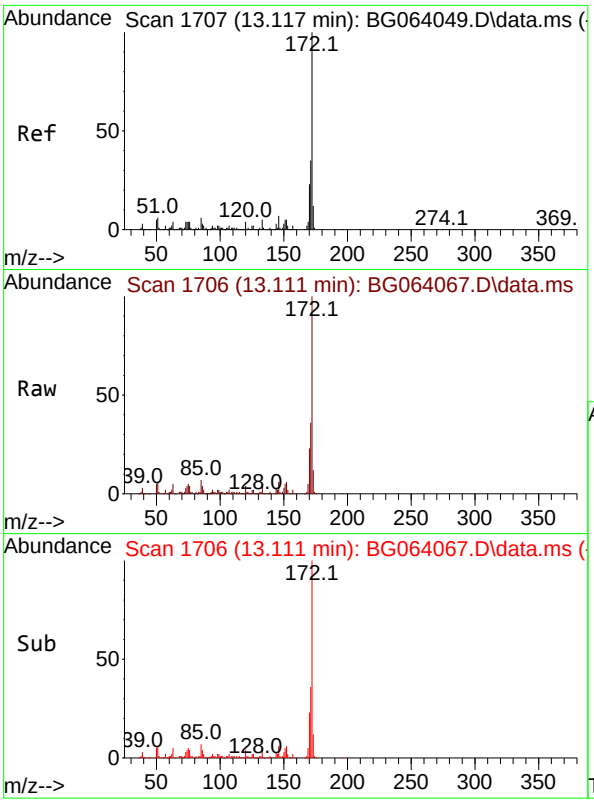


#44
2,4,5-Trichlorophenol
Concen: 47.465 ng
RT: 12.988 min Scan# 1685
Delta R.T. -0.000 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:196 Resp: 99847

Ion	Ratio	Lower	Upper
196	100		
198	96.0	79.5	119.3
97	55.9	45.2	67.8
132	25.2	22.6	34.0

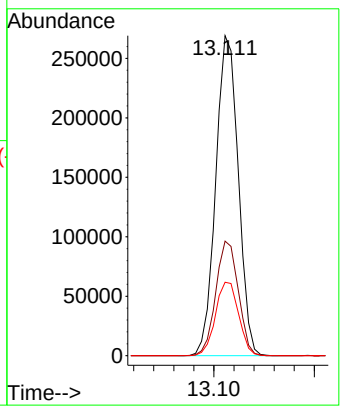




#45
2-Fluorobiphenyl
Concen: 56.433 ng
RT: 13.111 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:172 Resp: 41831

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.0	42.0
170	23.0	18.7	28.1



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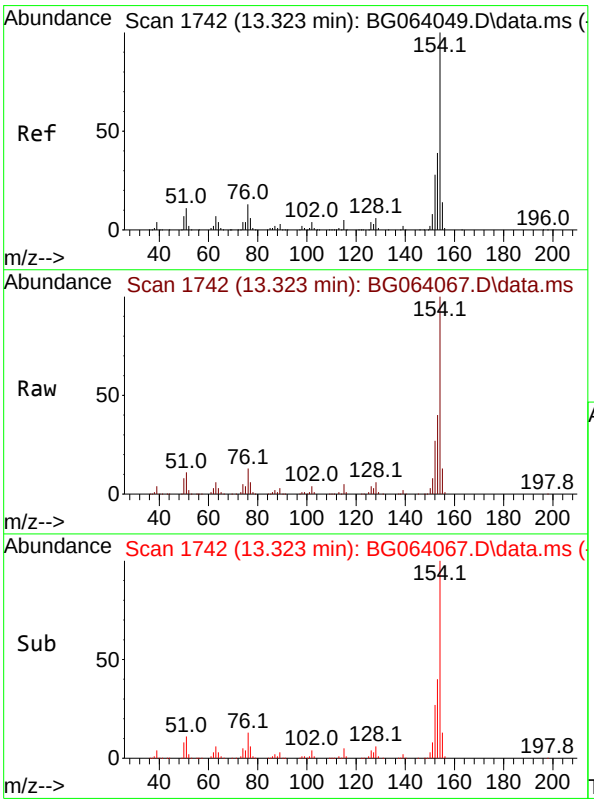
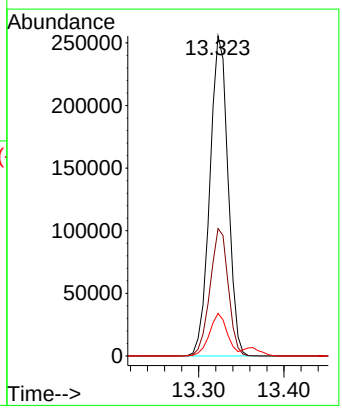
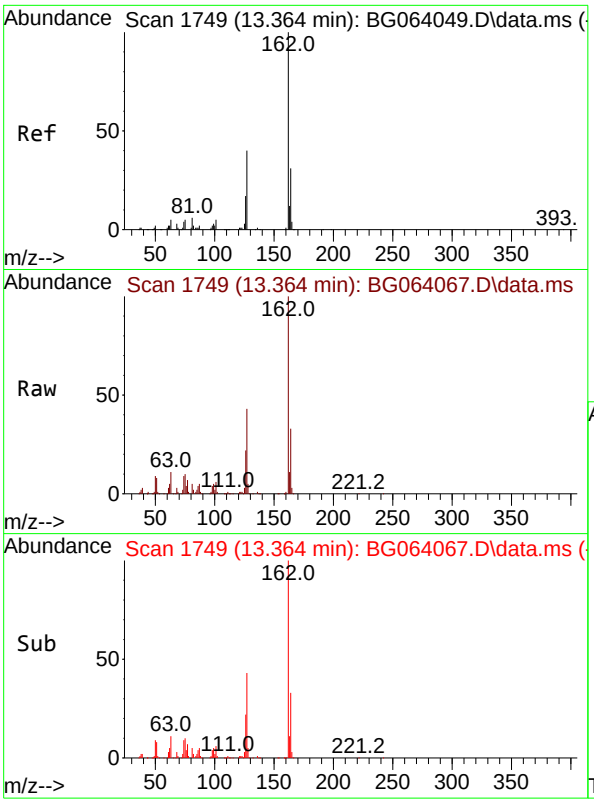


#46
1,1'-Biphenyl
Concen: 44.619 ng
RT: 13.323 min Scan# 1742
Delta R.T. -0.000 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:154 Resp: 379286

Ion	Ratio	Lower	Upper
154	100		
153	39.8	19.5	59.5
76	13.3	0.0	33.5

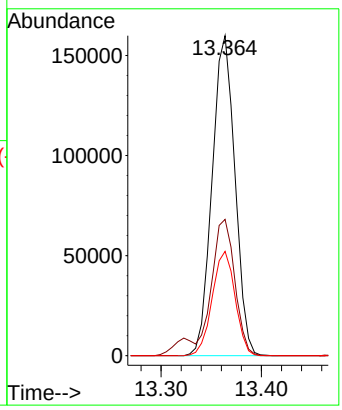




#47
2-Chloronaphthalene
Concen: 40.660 ng
RT: 13.364 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:162 Resp: 25208

Ion	Ratio	Lower	Upper
162	100		
127	42.6	35.0	52.4
164	32.6	25.0	37.6



Instrument :
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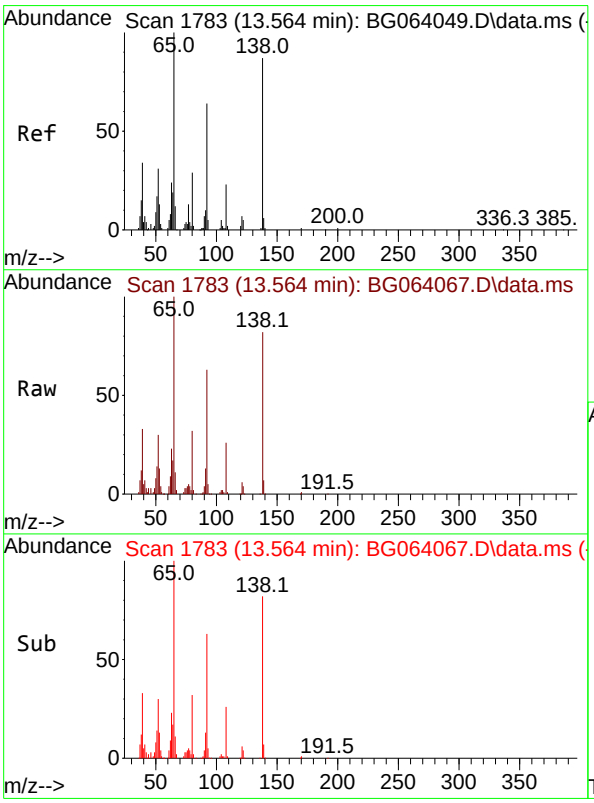
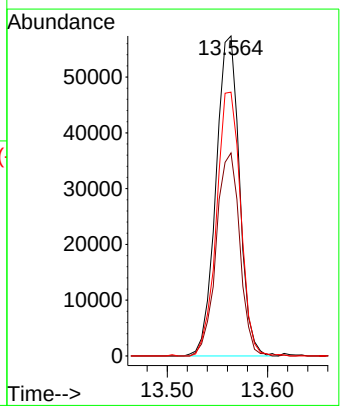
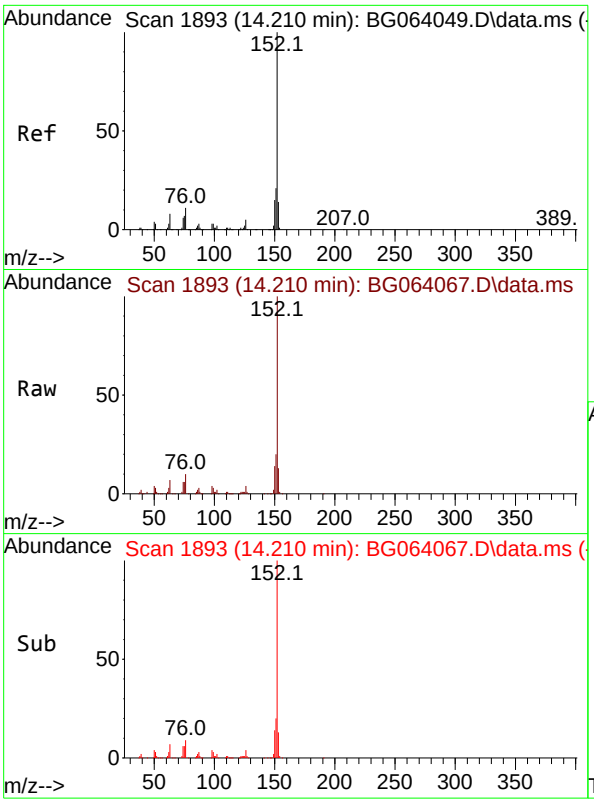


#48
2-Nitroaniline
Concen: 45.748 ng
RT: 13.564 min Scan# 1783
Delta R.T. -0.000 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion: 65 Resp: 93209

Ion	Ratio	Lower	Upper
65	100		
92	63.4	51.2	76.8
138	82.4	69.4	104.2

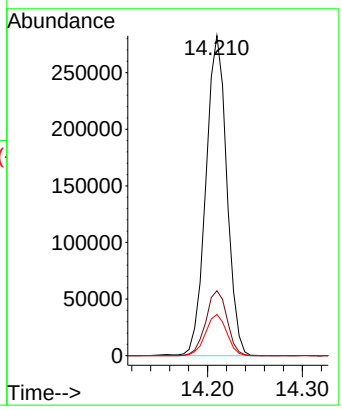




#49
Acenaphthylene
Concen: 43.968 ng
RT: 14.210 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:152 Resp: 43116

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.4	24.6
153	12.9	10.9	16.3



Instrument :
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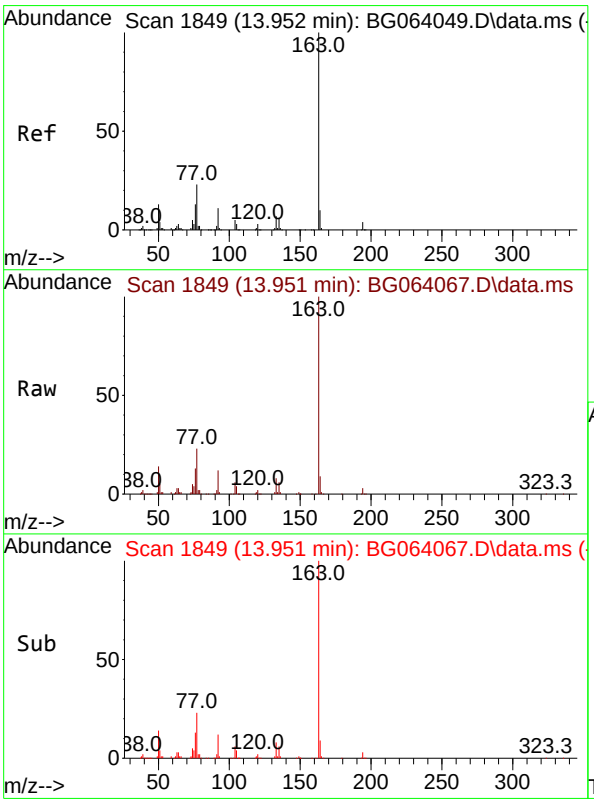
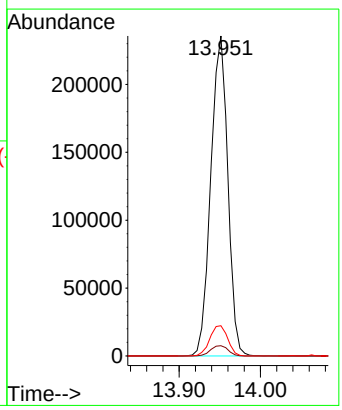
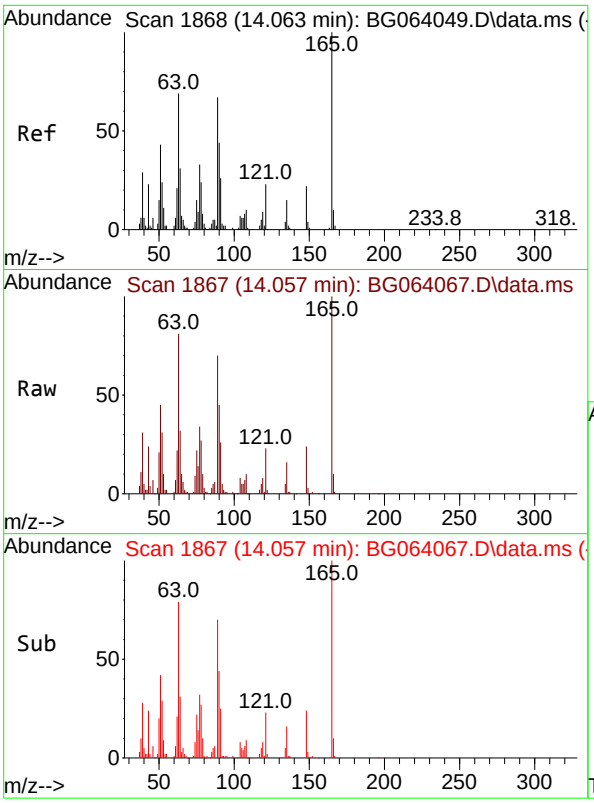


#50
Dimethylphthalate
Concen: 41.271 ng
RT: 13.951 min Scan# 1849
Delta R.T. -0.000 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:163 Resp: 342782

Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.8	4.2
164	9.4	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 41.759 ng
RT: 14.057 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:165 Resp: 6957

Ion	Ratio	Lower	Upper
165	100		
63	80.8	56.7	85.1
89	70.2	53.7	80.5

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02MSD

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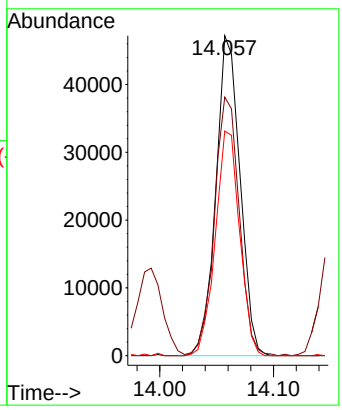
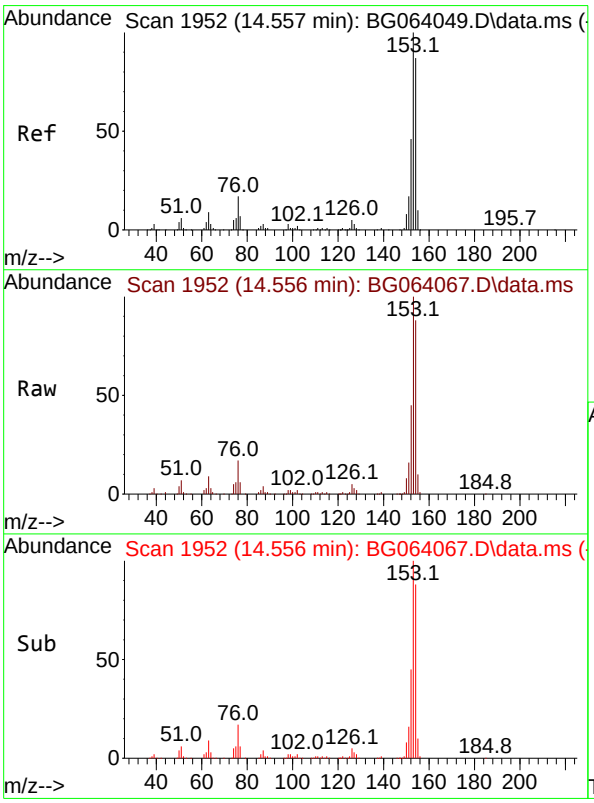
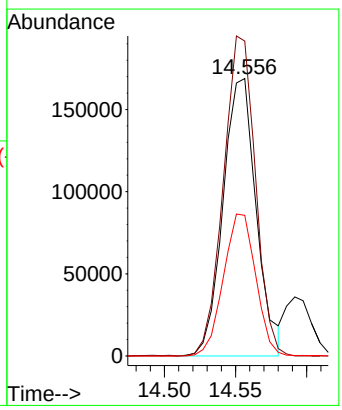


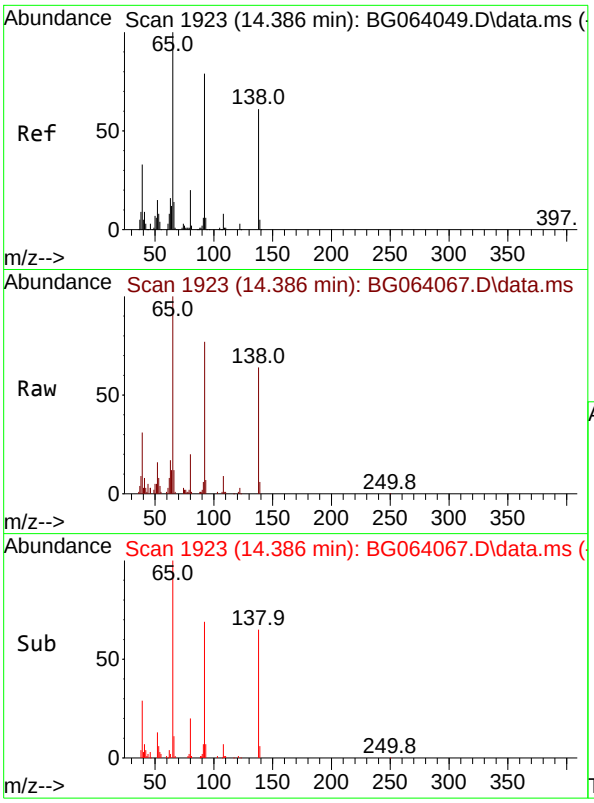


#52
Acenaphthene
Concen: 41.753 ng
RT: 14.556 min Scan# 1952
Delta R.T. -0.000 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:154 Resp: 274782

Ion	Ratio	Lower	Upper
154	100		
153	113.5	91.6	137.4
152	50.7	42.5	63.7





#53
3-Nitroaniline
Concen: 20.612 ng
RT: 14.386 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:138 Resp: 3308

Ion	Ratio	Lower	Upper
138	100		
108	14.5	10.1	15.1
92	121.1	104.1	156.1

Instrument :
BNA_G
ClientSampleId :
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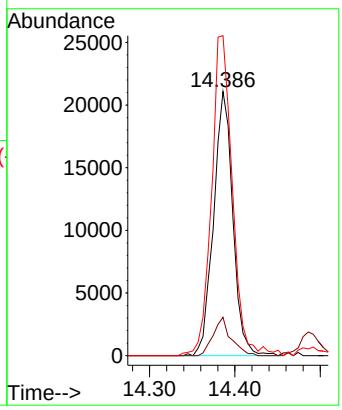
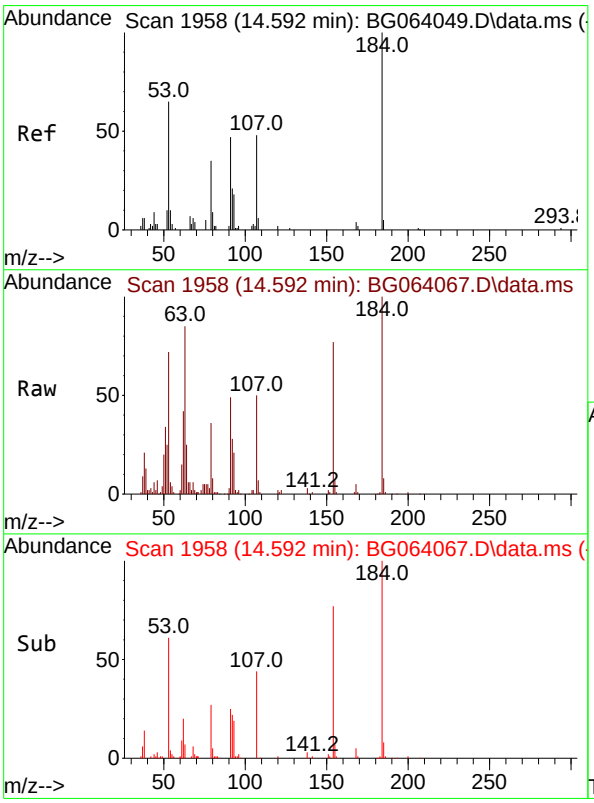
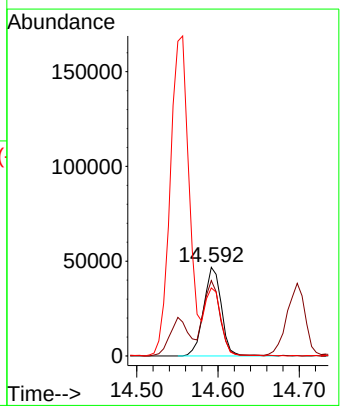


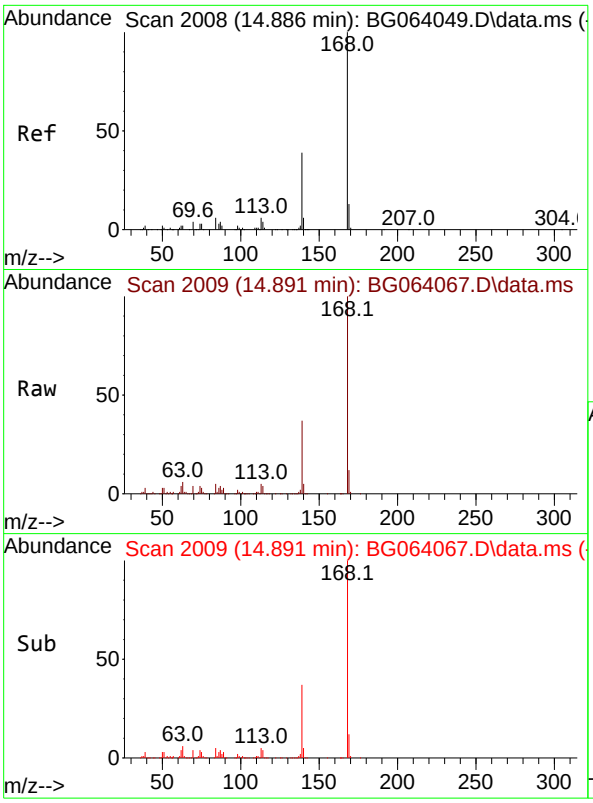


#54
2,4-Dinitrophenol
Concen: 98.667 ng
RT: 14.592 min Scan# 1958
Delta R.T. -0.000 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:184 Resp: 70749

Ion	Ratio	Lower	Upper
184	100		
63	85.0	57.5	86.3
154	76.7	52.3	78.5

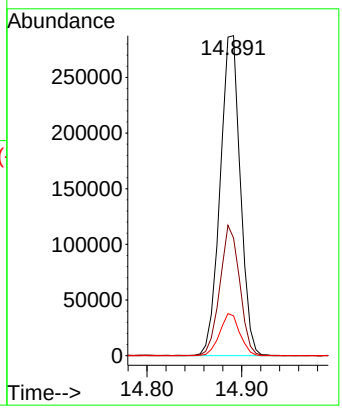




#55
Dibenzofuran
Concen: 39.956 ng
RT: 14.891 min Scan# 2
Delta R.T. 0.005 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:168 Resp: 42598

Ion	Ratio	Lower	Upper
168	100		
139	36.7	31.1	46.7
169	12.4	10.5	15.7



Instrument :
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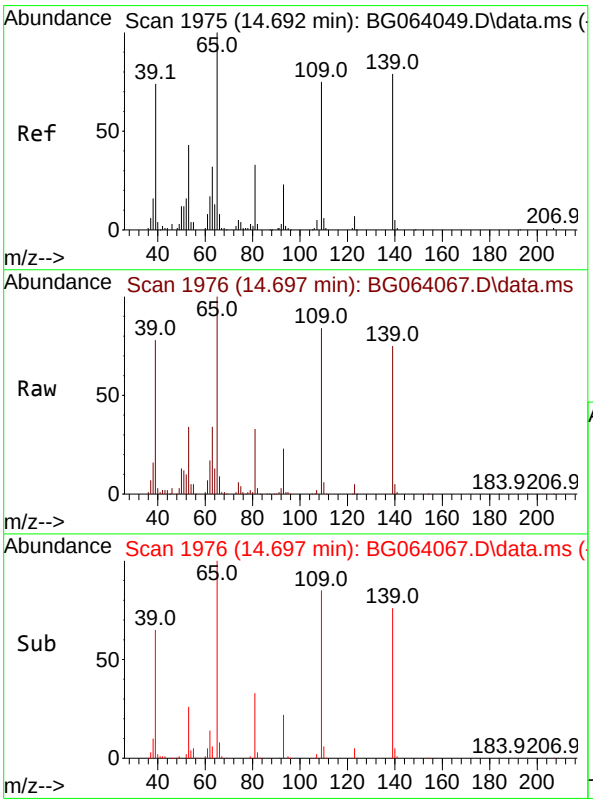
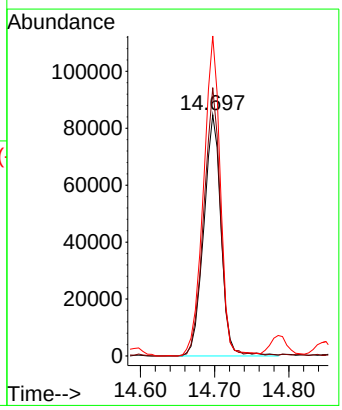
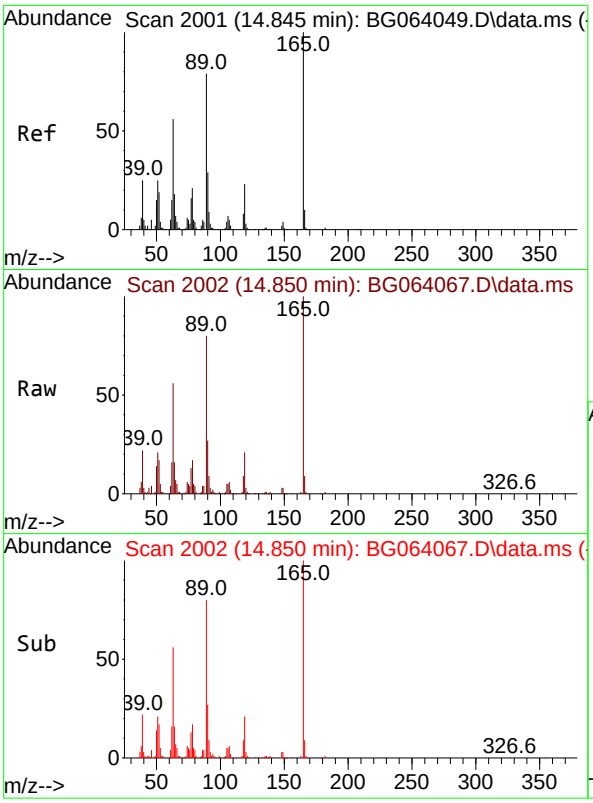


#56
4-Nitrophenol
Concen: 102.041 ng
RT: 14.697 min Scan# 1976
Delta R.T. 0.005 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:139 Resp: 137375

Ion	Ratio	Lower	Upper
139	100		
109	111.2	74.9	114.9
65	132.7	106.8	146.8

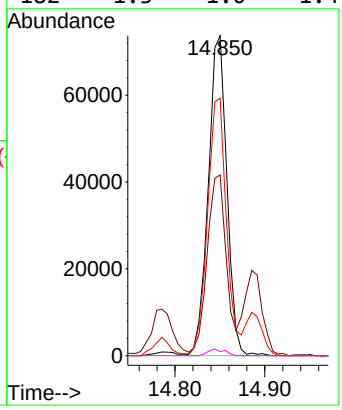




#57
2,4-Dinitrotoluene
Concen: 45.810 ng
RT: 14.850 min Scan# 2
Delta R.T. 0.005 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:165 Resp: 10608

Ion	Ratio	Lower	Upper
165	100		
63	56.5	45.0	67.6
89	80.4	63.1	94.7
182	1.3	1.0	1.4



Instrument :
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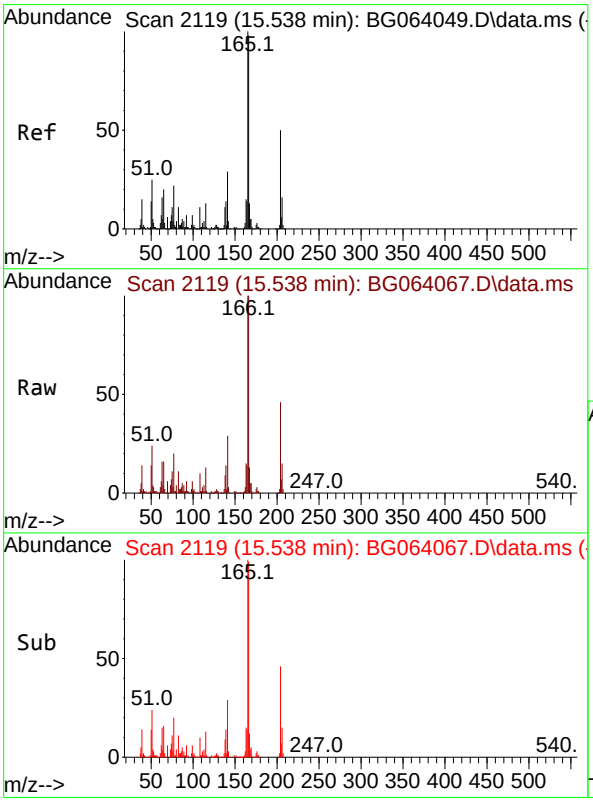
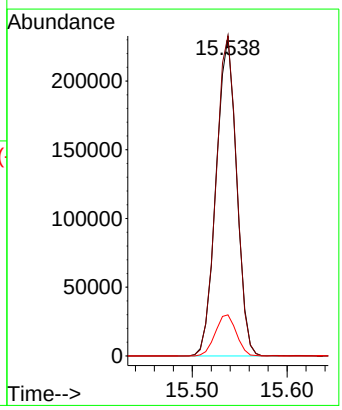
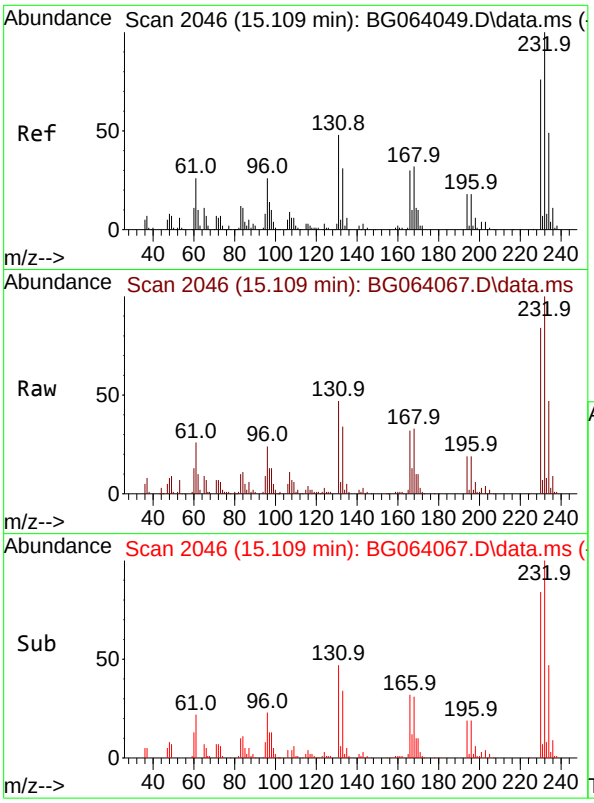


#58
Fluorene
Concen: 41.996 ng
RT: 15.538 min Scan# 2119
Delta R.T. -0.000 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:166 Resp: 348722

Ion	Ratio	Lower	Upper
166	100		
165	100.2	81.8	122.8
167	12.9	10.8	16.2

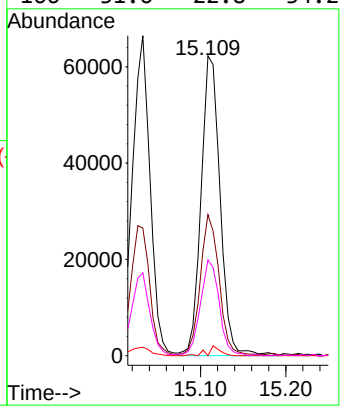




#59
2,3,4,6-Tetrachlorophenol
Concen: 47.183 ng
RT: 15.109 min Scan# 2
Delta R.T. -0.000 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:232 Resp: 9676

Ion	Ratio	Lower	Upper
232	100		
131	45.8	36.3	54.5
130	2.1	1.9	2.9
166	31.6	22.8	34.2



Instrument :
BNA_G
ClientSampleId :
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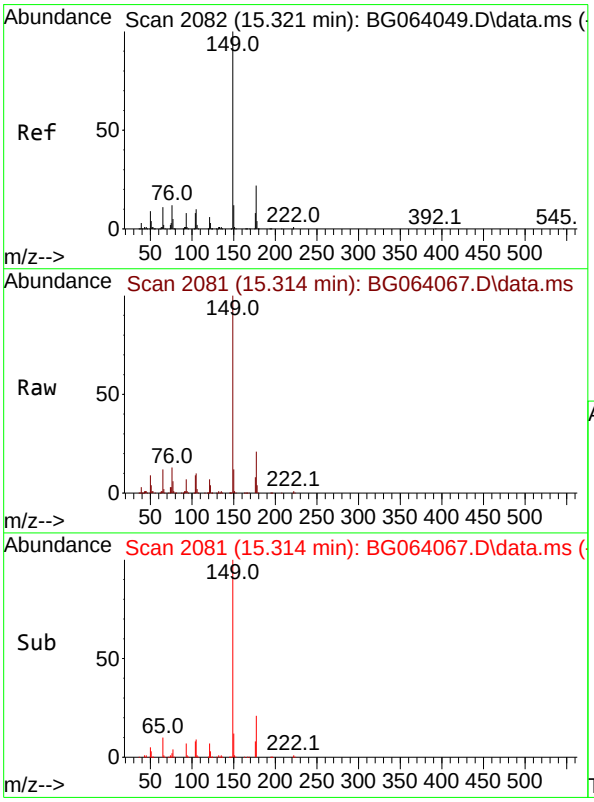
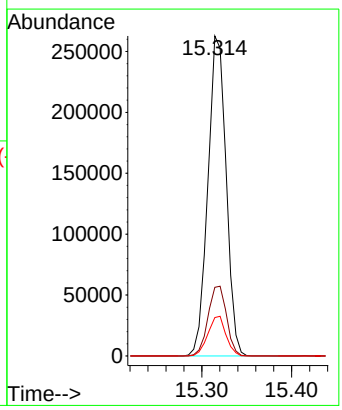
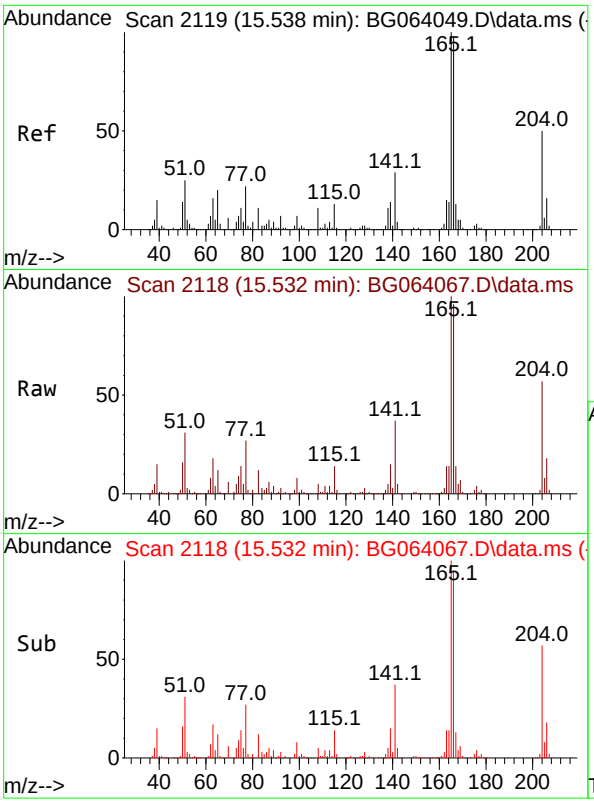


#60
Diethylphthalate
Concen: 41.129 ng
RT: 15.314 min Scan# 2081
Delta R.T. -0.006 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:149 Resp: 370839

Ion	Ratio	Lower	Upper
149	100		
177	21.5	17.4	26.2
150	12.0	9.4	14.2

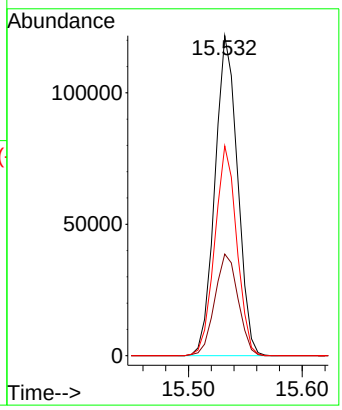




#61
4-Chlorophenyl-phenylether
Concen: 40.755 ng
RT: 15.532 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:204 Resp: 16817

Ion	Ratio	Lower	Upper
204	100		
206	31.8	25.5	38.3
141	65.5	45.4	68.0



Instrument :
BNA_G
ClientSampleId :
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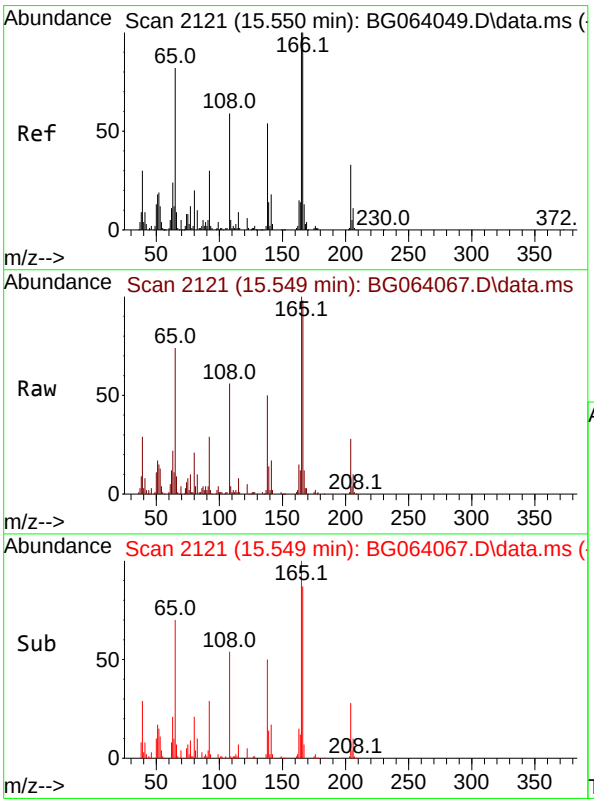
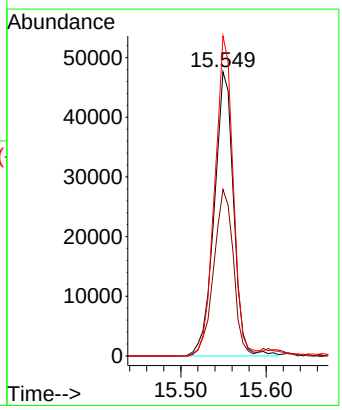
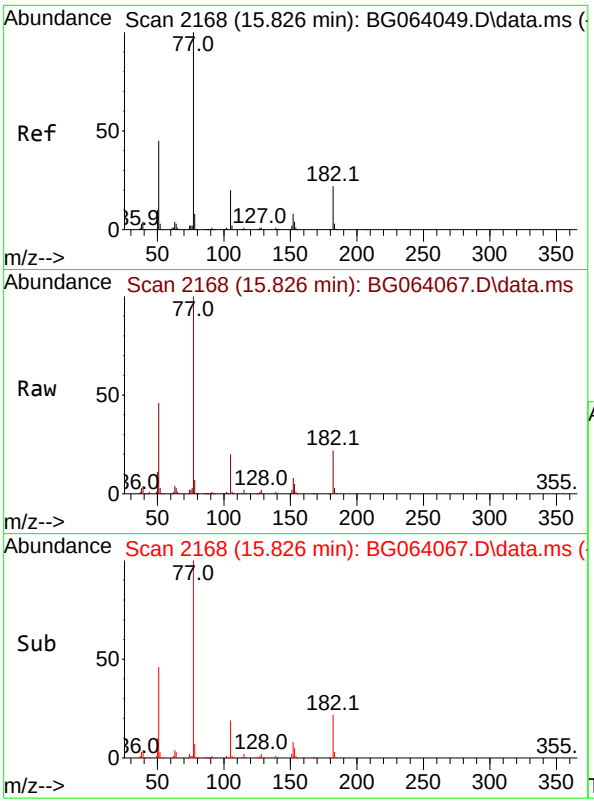


#62
4-Nitroaniline
Concen: 43.369 ng
RT: 15.549 min Scan# 2121
Delta R.T. -0.000 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:138 Resp: 75161

Ion	Ratio	Lower	Upper
138	100		
92	58.6	36.1	76.1
108	112.6	87.9	127.9

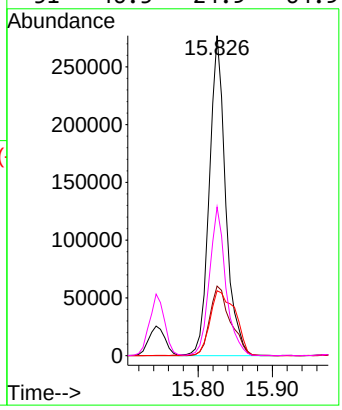




#63
Azobenzene
Concen: 43.962 ng
RT: 15.826 min Scan# 2
Delta R.T. -0.000 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion: 77 Resp: 42297

Ion	Ratio	Lower	Upper
77	100		
182	21.8	2.4	42.4
105	20.3	0.0	40.0
51	46.5	24.9	64.9



Instrument :
BNA_G
ClientSampleId :
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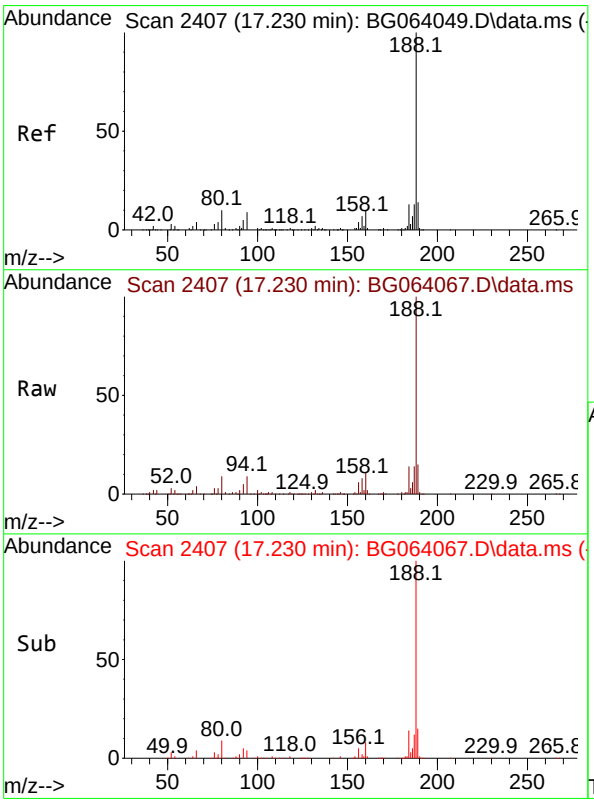
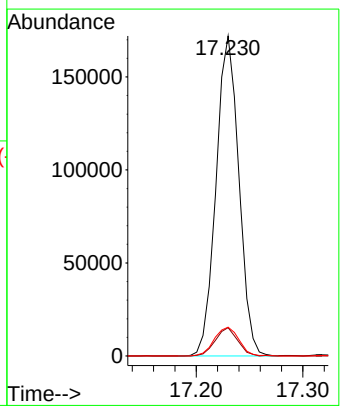
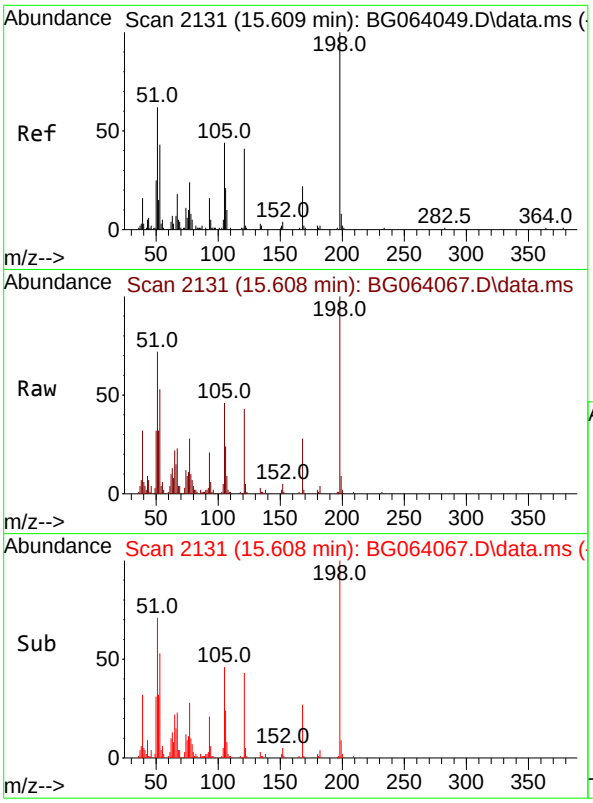


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.230 min Scan# 2407
Delta R.T. -0.000 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:188 Resp: 255500

Ion	Ratio	Lower	Upper
188	100		
94	8.8	6.9	10.3
80	9.0	8.1	12.1





#65
4,6-Dinitro-2-methylphenol
Concen: 46.146 ng
RT: 15.608 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:198 Resp: 5051

Ion	Ratio	Lower	Upper
198	100		
51	71.9	45.6	85.6
105	46.1	25.3	65.3

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02MSD

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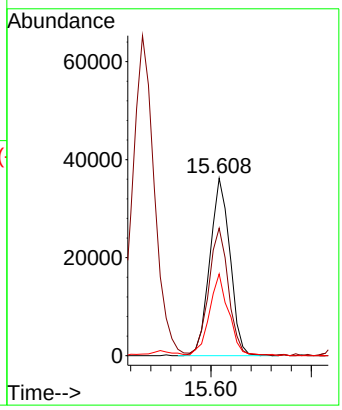
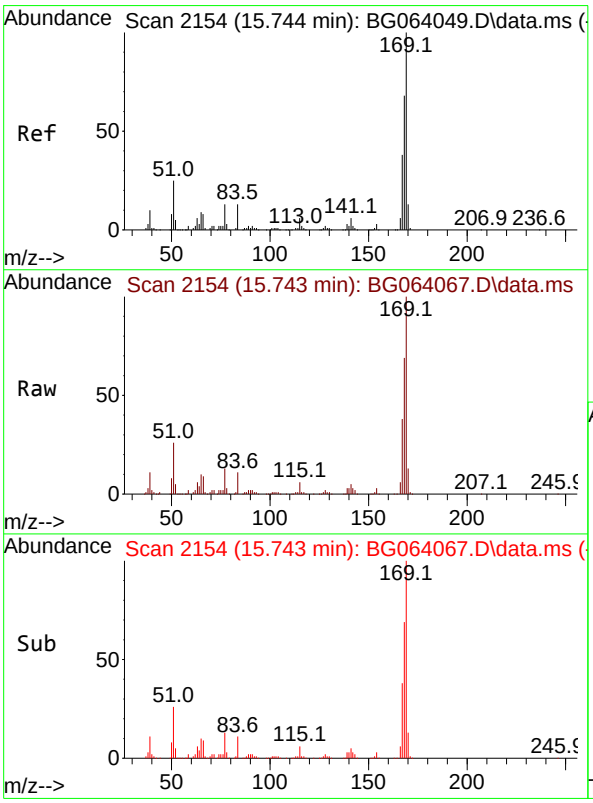
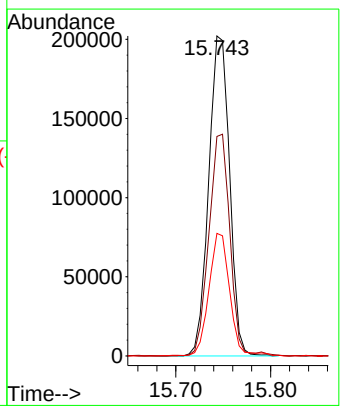


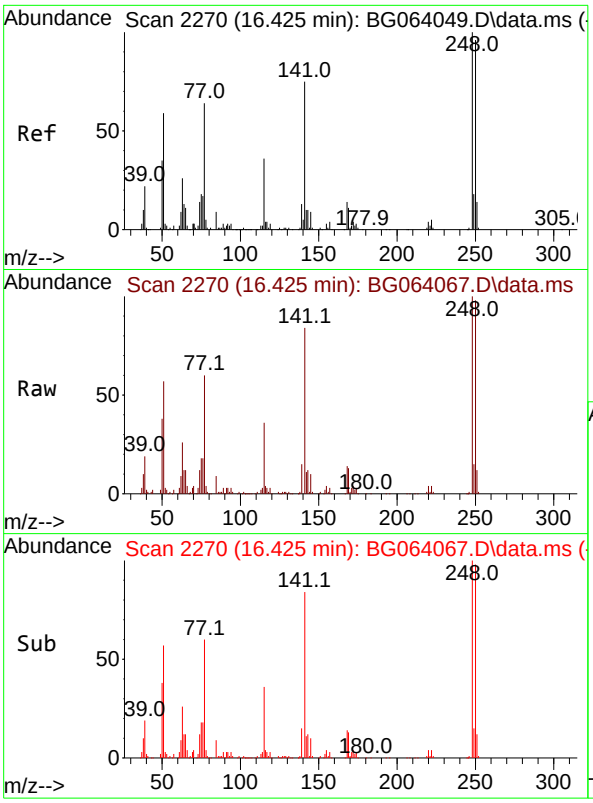


#66
n-Nitrosodiphenylamine
Concen: 42.632 ng
RT: 15.743 min Scan# 2154
Delta R.T. -0.000 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:169 Resp: 308325

Ion	Ratio	Lower	Upper
169	100		
168	68.6	54.1	81.1
167	38.3	30.3	45.5





#67
4-Bromophenyl-phenylether
Concen: 43.241 ng
RT: 16.425 min Scan# 2
Delta R.T. -0.000 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:248 Resp: 11315

Ion	Ratio	Lower	Upper
248	100		
250	98.1	77.1	115.7
141	83.8	59.8	89.8

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02MSD

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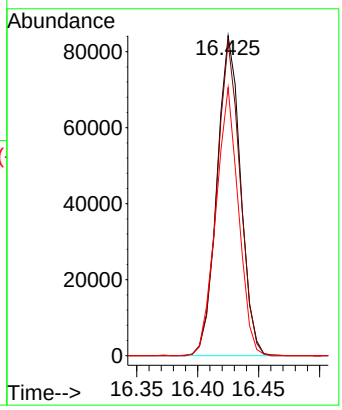
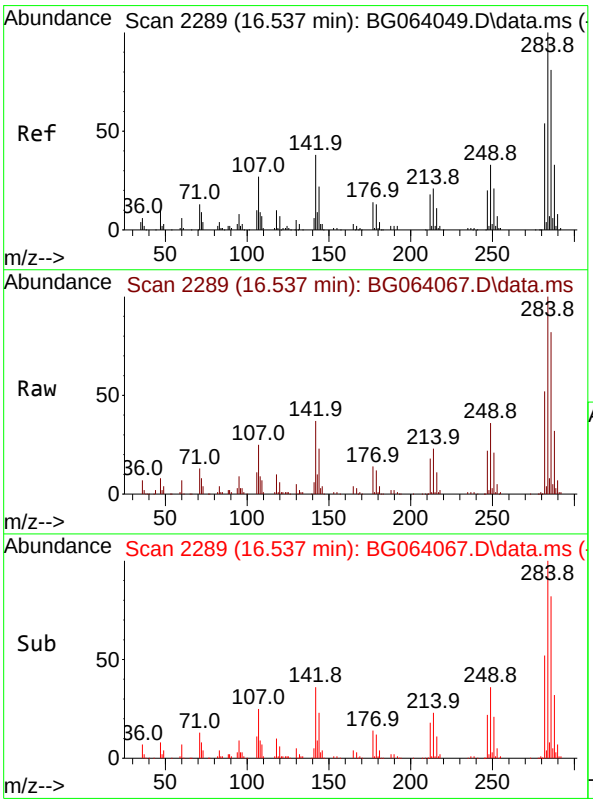
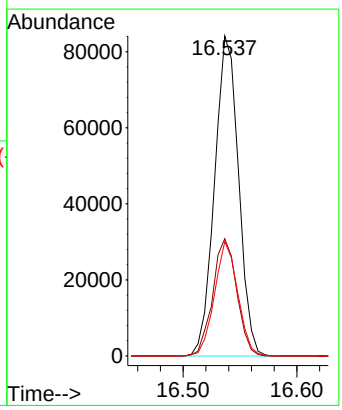


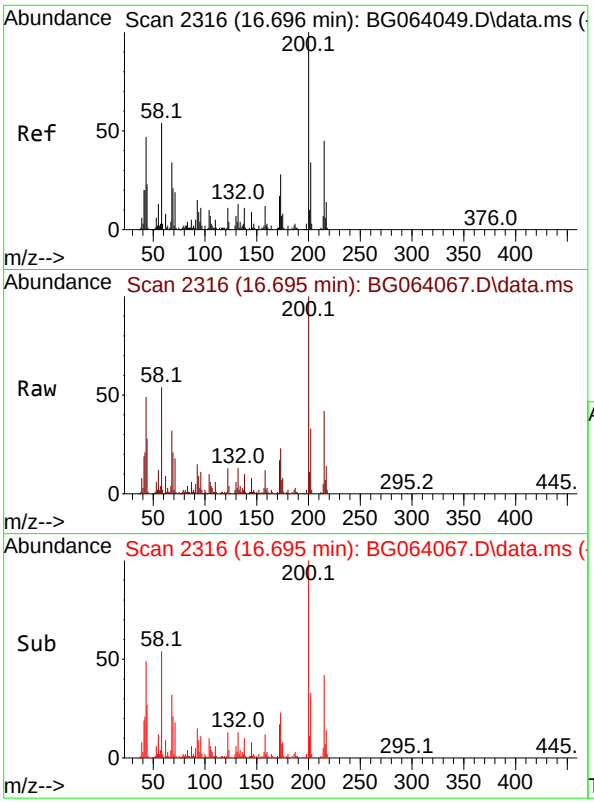


#68
Hexachlorobenzene
Concen: 42.108 ng
RT: 16.537 min Scan# 2289
Delta R.T. -0.000 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:284 Resp: 123360

Ion	Ratio	Lower	Upper
284	100		
142	36.7	30.6	45.8
249	35.7	26.6	39.8





#69
Atrazine
Concen: 63.668 ng
RT: 16.695 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:200 Resp: 13548

Ion	Ratio	Lower	Upper
200	100		
173	22.9	8.2	48.2
215	42.4	25.5	65.5

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02MSD

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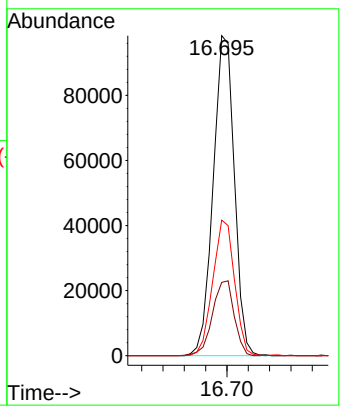
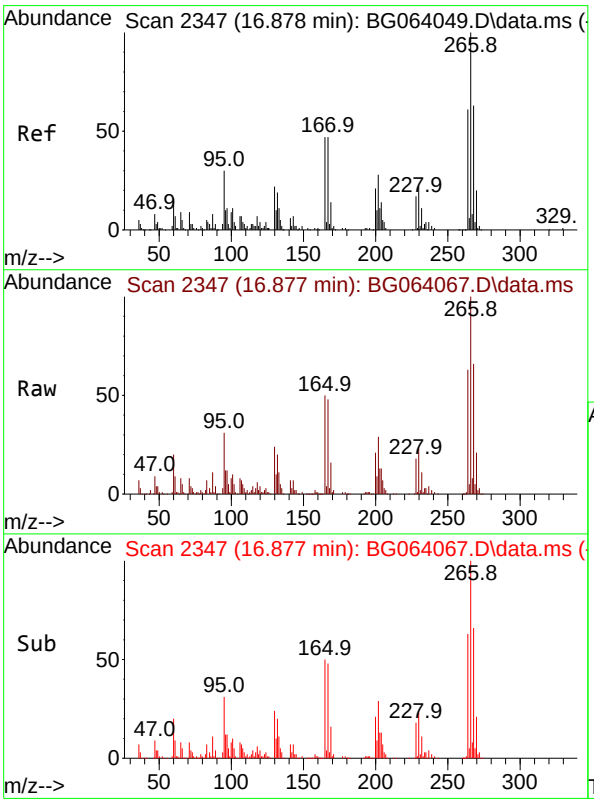
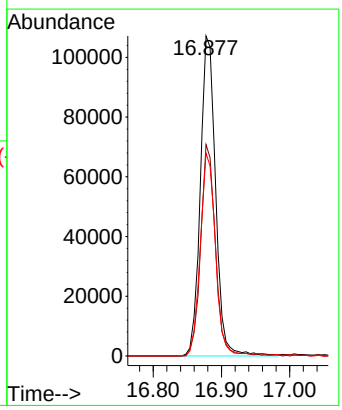


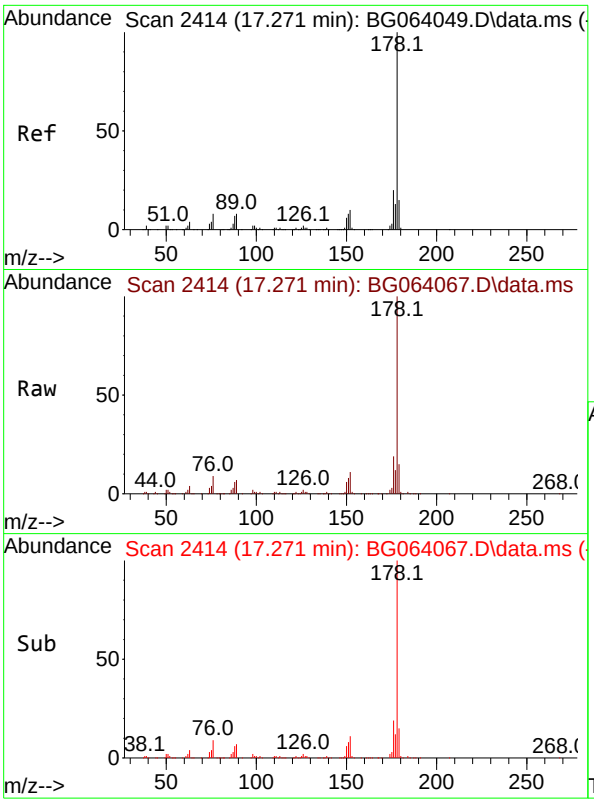


#70
Pentachlorophenol
Concen: 91.815 ng
RT: 16.877 min Scan# 2347
Delta R.T. -0.001 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:266 Resp: 167008

Ion	Ratio	Lower	Upper
266	100		
268	66.0	50.2	75.4
264	63.4	48.9	73.3

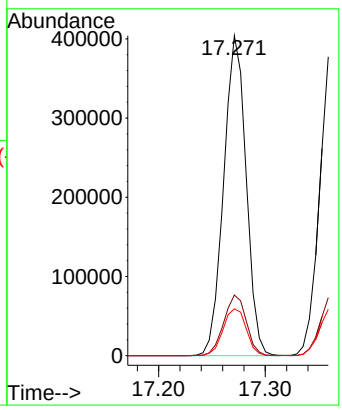




#71
Phenanthrene
Concen: 43.344 ng
RT: 17.271 min Scan# 24
Delta R.T. -0.000 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:178 Resp: 59068(

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.9	23.9
179	14.6	12.2	18.2



Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02MSD

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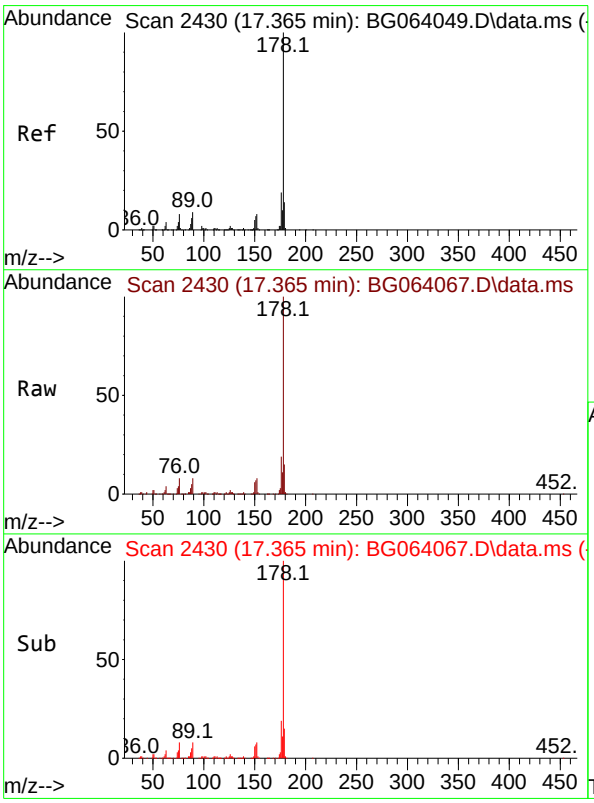
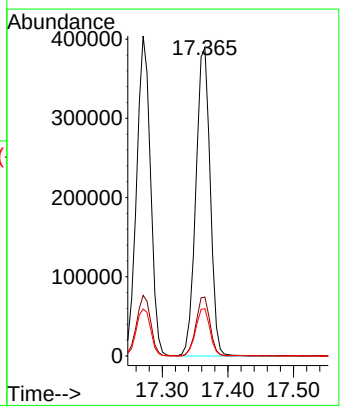
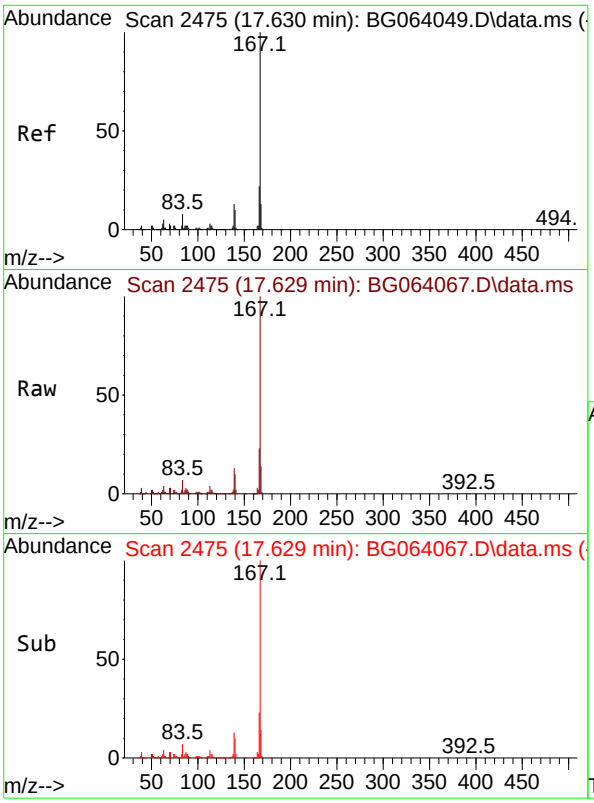


#72
Anthracene
Concen: 43.657 ng
RT: 17.365 min Scan# 2430
Delta R.T. -0.000 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:178 Resp: 591592

Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.8	22.2
179	15.3	11.5	17.3

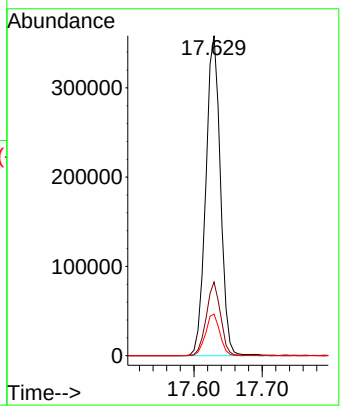




#73
Carbazole
Concen: 42.190 ng
RT: 17.629 min Scan# 24
Delta R.T. -0.000 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:167 Resp: 53378

Ion	Ratio	Lower	Upper
167	100		
166	23.0	18.0	27.0
139	13.0	10.6	15.8



Instrument :
BNA_G
ClientSampleId :
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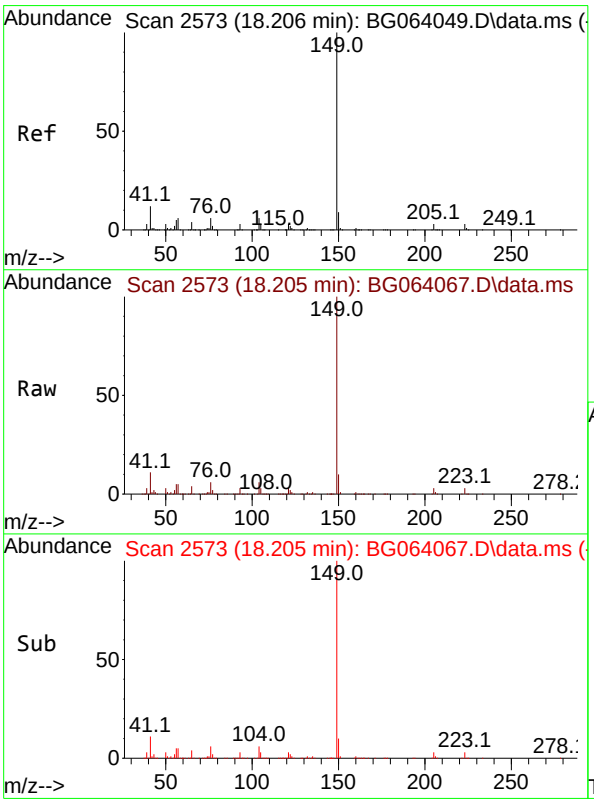
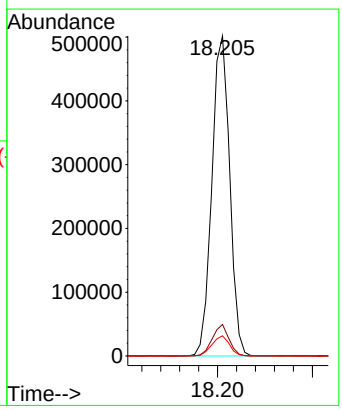
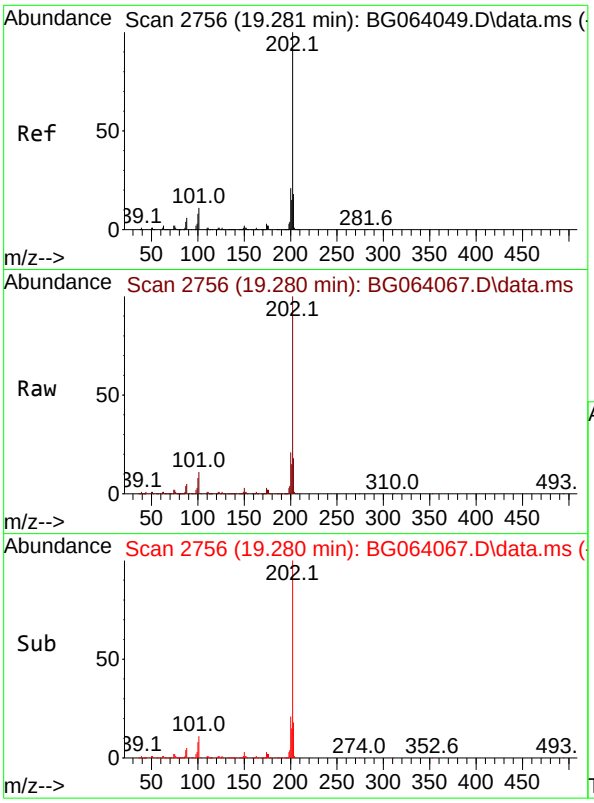


#74
Di-n-butylphthalate
Concen: 43.906 ng
RT: 18.205 min Scan# 2573
Delta R.T. -0.000 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:149 Resp: 653880

Ion	Ratio	Lower	Upper
149	100		
150	9.8	7.4	11.0
104	6.3	5.0	7.6





#75
Fluoranthene
Concen: 41.851 ng
RT: 19.280 min Scan# 2
Delta R.T. -0.000 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:202 Resp: 68757

Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	30.5
203	17.8	0.0	38.3

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02MSD

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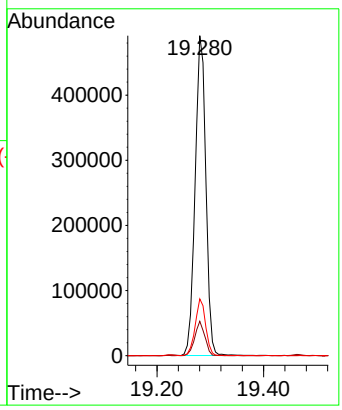
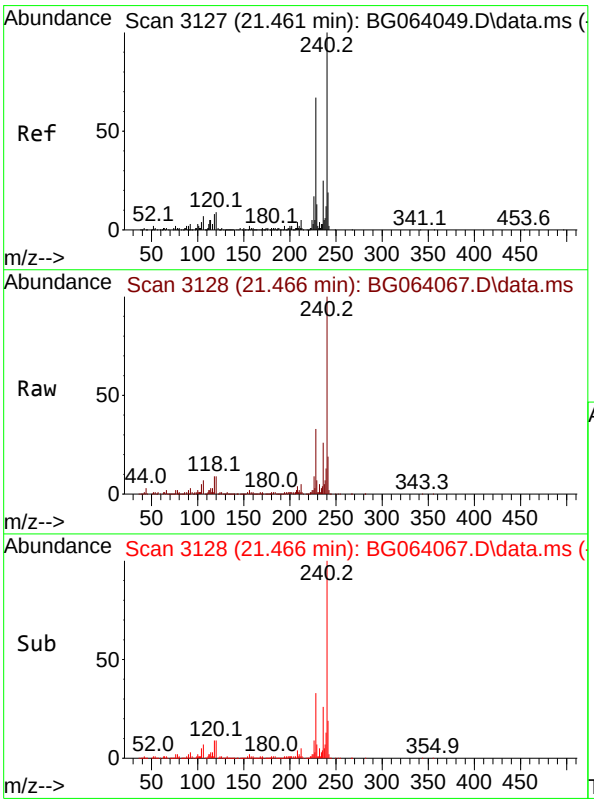
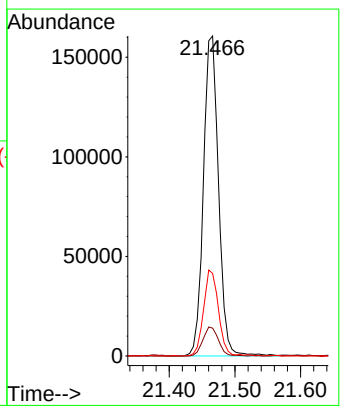


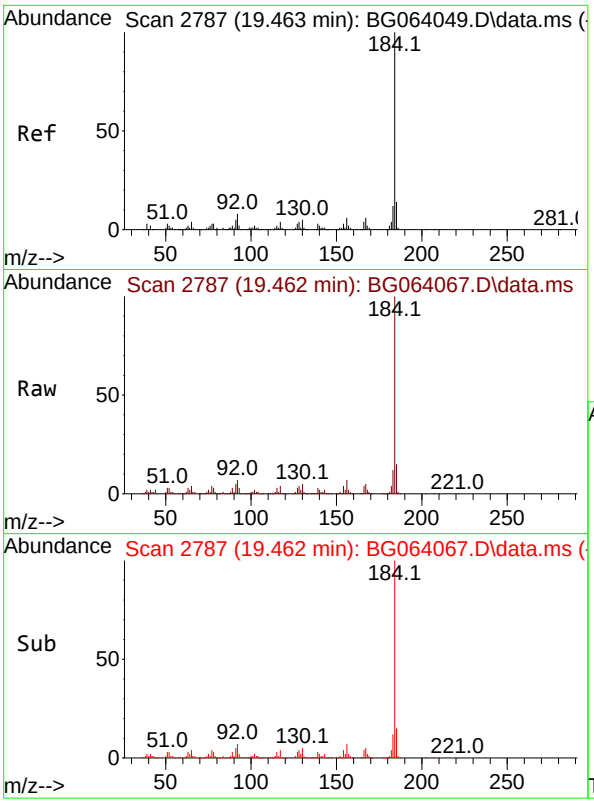


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.466 min Scan# 3128
Delta R.T. 0.006 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:240 Resp: 257819

Ion	Ratio	Lower	Upper
240	100		
120	8.7	7.2	10.8
236	25.8	20.2	30.2

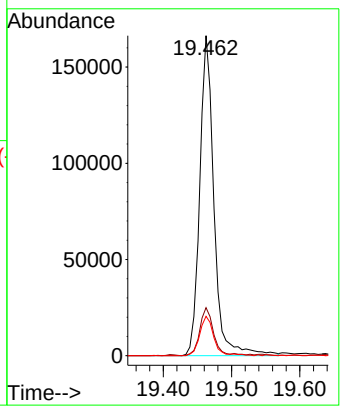




#77
Benzidine
Concen: 67.474 ng
RT: 19.462 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:184 Resp: 24088

Ion	Ratio	Lower	Upper
184	100		
185	15.0	11.3	16.9
183	12.3	9.5	14.3



Instrument :
BNA_G
ClientSampleId :
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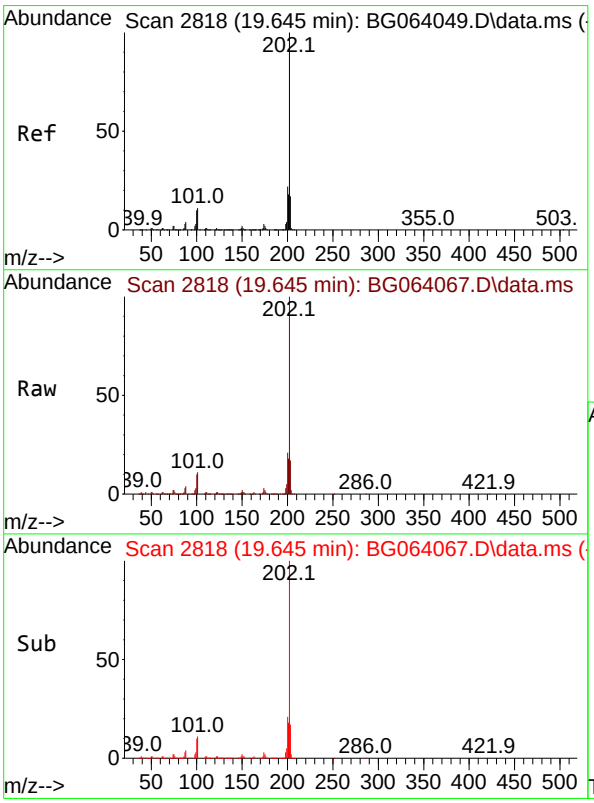
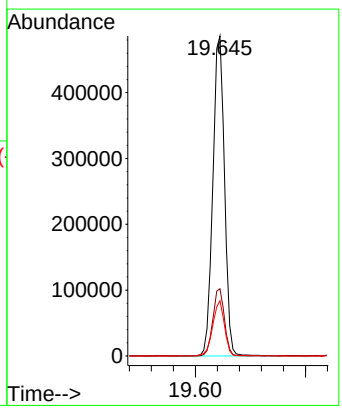
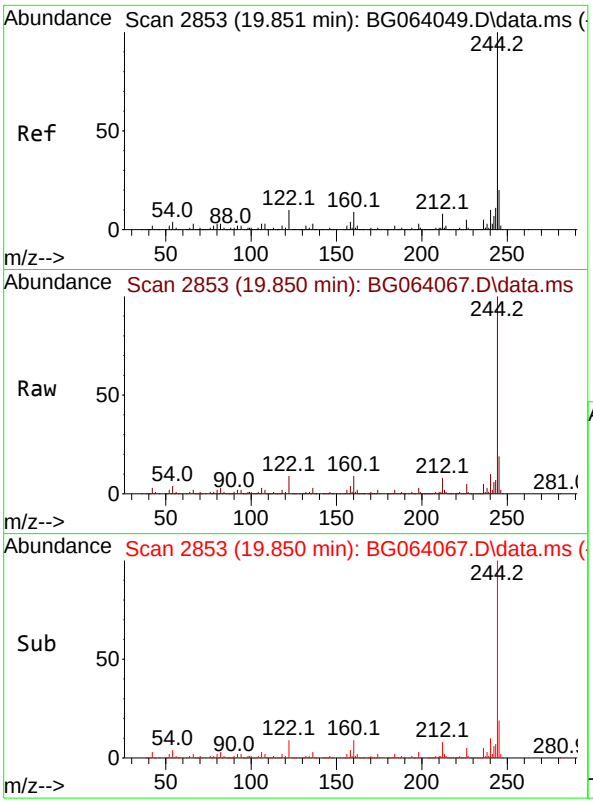


#78
Pyrene
Concen: 43.141 ng
RT: 19.645 min Scan# 2818
Delta R.T. -0.000 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:202 Resp: 716988

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.3	25.9
203	17.3	13.6	20.4

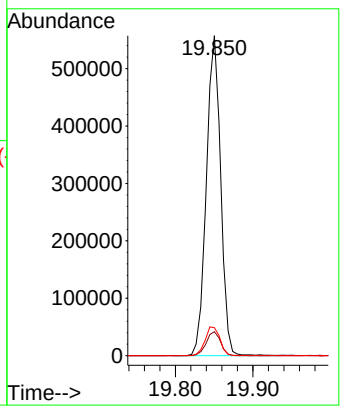




#79
Terphenyl-d14
Concen: 55.917 ng
RT: 19.850 min Scan# 2
Delta R.T. -0.000 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:244 Resp: 71298

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.2	9.4
122	8.7	8.0	12.0



Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02MSD

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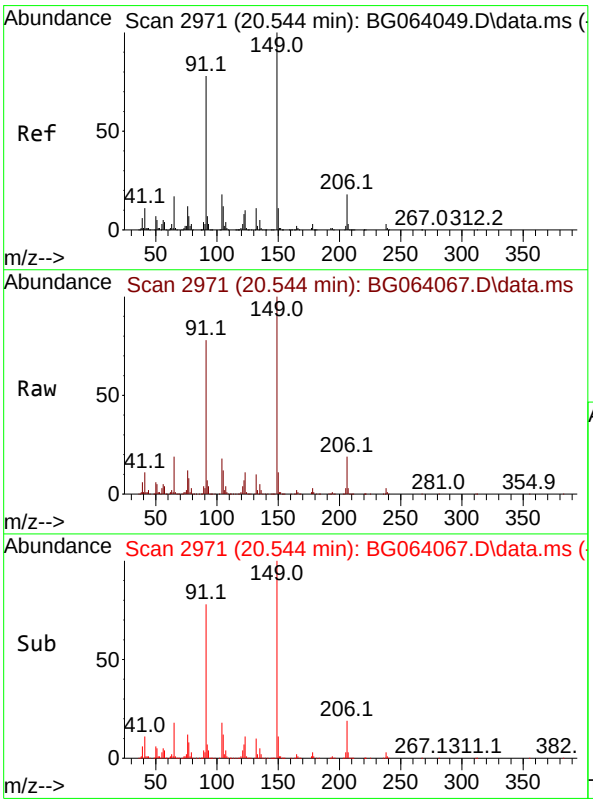
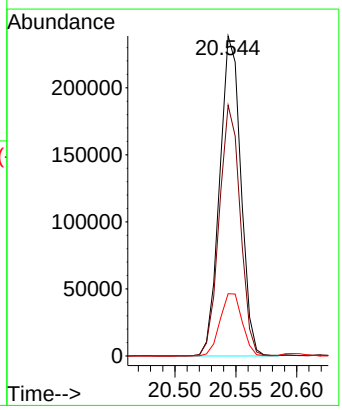
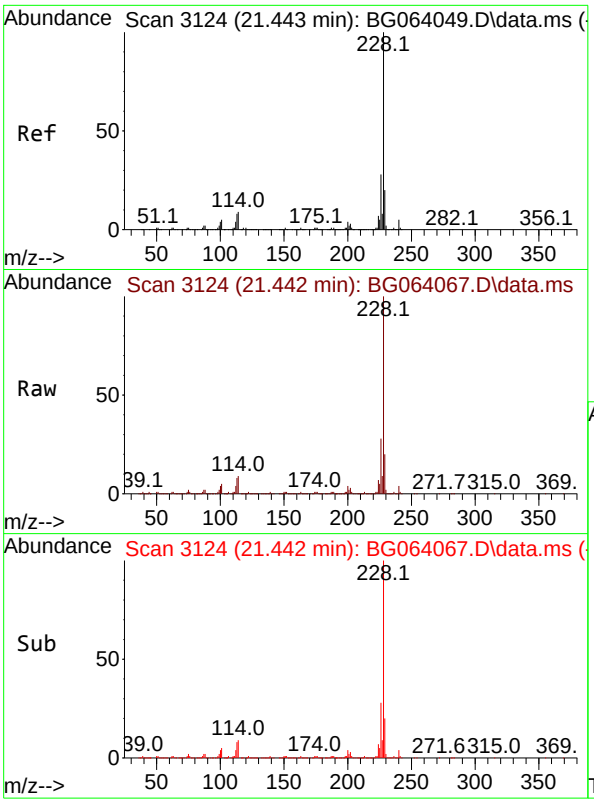


#80
Butylbenzylphthalate
Concen: 46.392 ng
RT: 20.544 min Scan# 2971
Delta R.T. -0.000 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:149 Resp: 288496

Ion	Ratio	Lower	Upper
149	100		
91	78.3	62.0	93.0
206	19.4	14.6	21.8

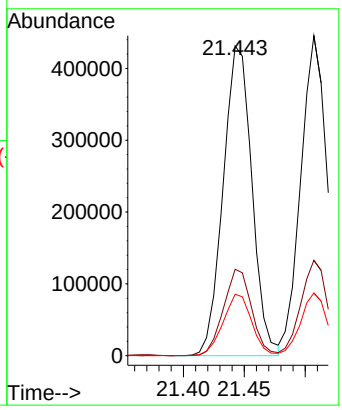




#81
Benzo(a)anthracene
Concen: 43.051 ng
RT: 21.442 min Scan# 3
Delta R.T. -0.000 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:228 Resp: 71098

Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.2	33.2
229	19.9	16.4	24.6



Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02MSD

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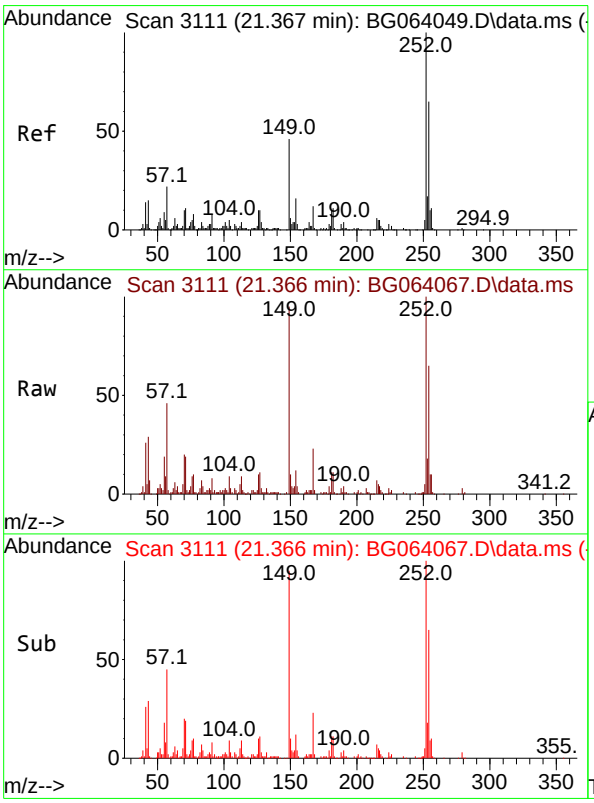
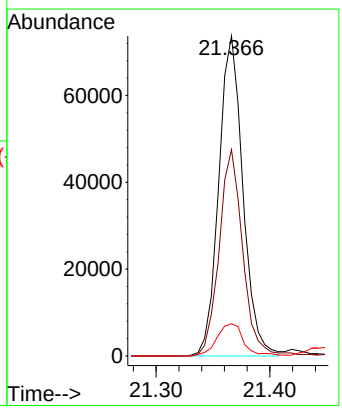
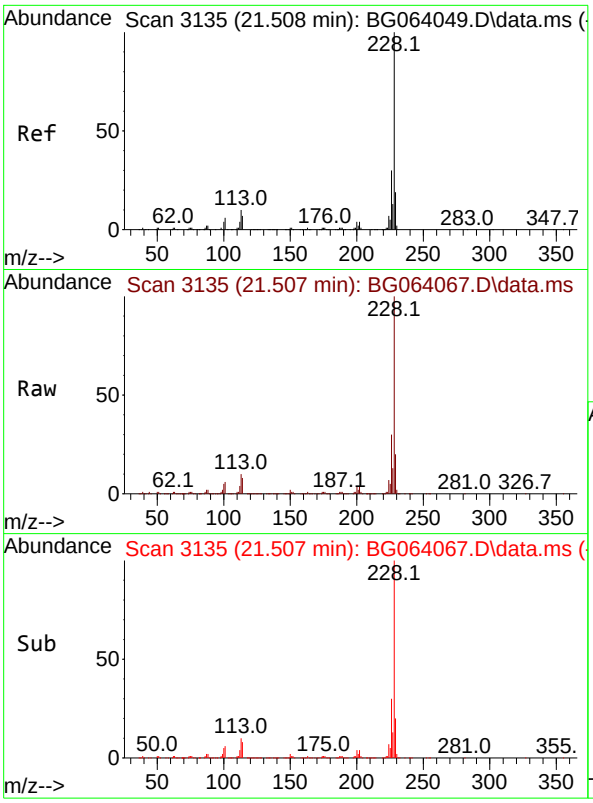


#82
3,3'-Dichlorobenzidine
Concen: 20.311 ng
RT: 21.366 min Scan# 3111
Delta R.T. -0.000 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:252 Resp: 108561

Ion	Ratio	Lower	Upper
252	100		
254	64.5	52.1	78.1
126	10.1	7.8	11.8

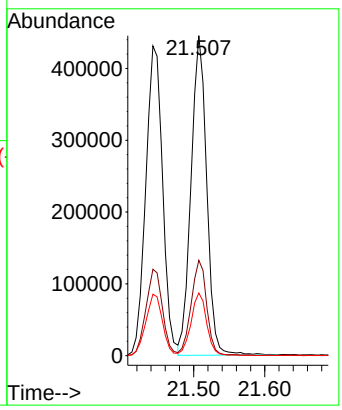




#83
Chrysene
Concen: 41.321 ng
RT: 21.507 min Scan# 3
Delta R.T. -0.000 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:228 Resp: 68062

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.9	35.9
229	19.6	15.3	22.9



Instrument :
BNA_G
ClientSampleId :
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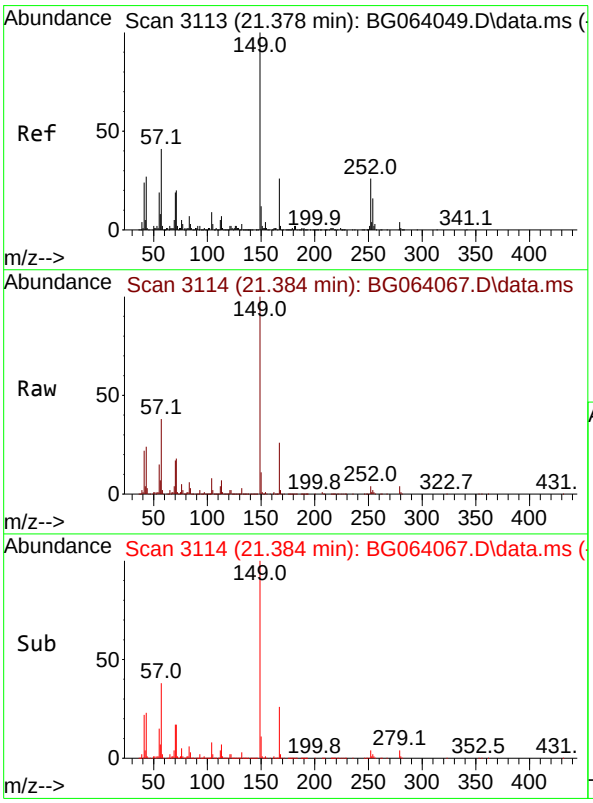
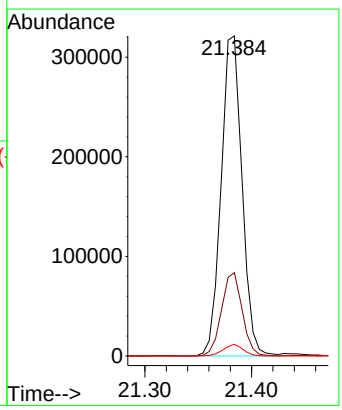
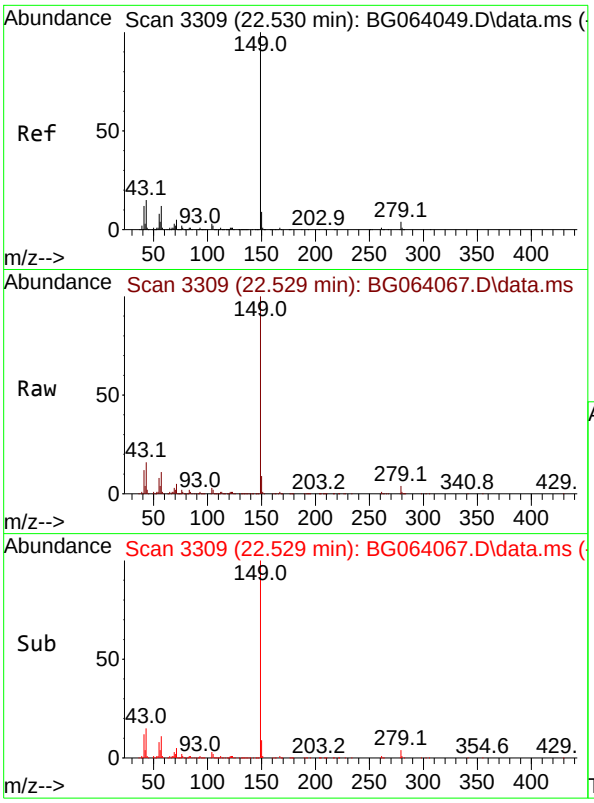


#84
Bis(2-ethylhexyl)phthalate
Concen: 48.893 ng
RT: 21.384 min Scan# 3114
Delta R.T. 0.005 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:149 Resp: 436698

Ion	Ratio	Lower	Upper
149	100		
167	26.1	21.0	31.6
279	3.7	2.8	4.2





#85
Di-n-octyl phthalate
Concen: 48.315 ng
RT: 22.529 min Scan# 3
Delta R.T. -0.001 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:149 Resp: 74432

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	15.7	12.6	19.0

Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02MSD

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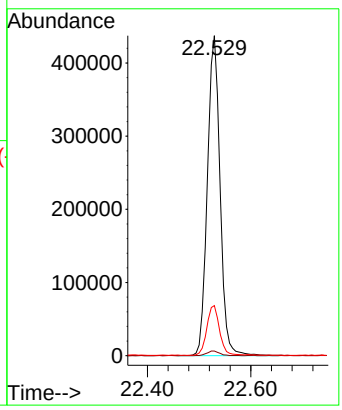
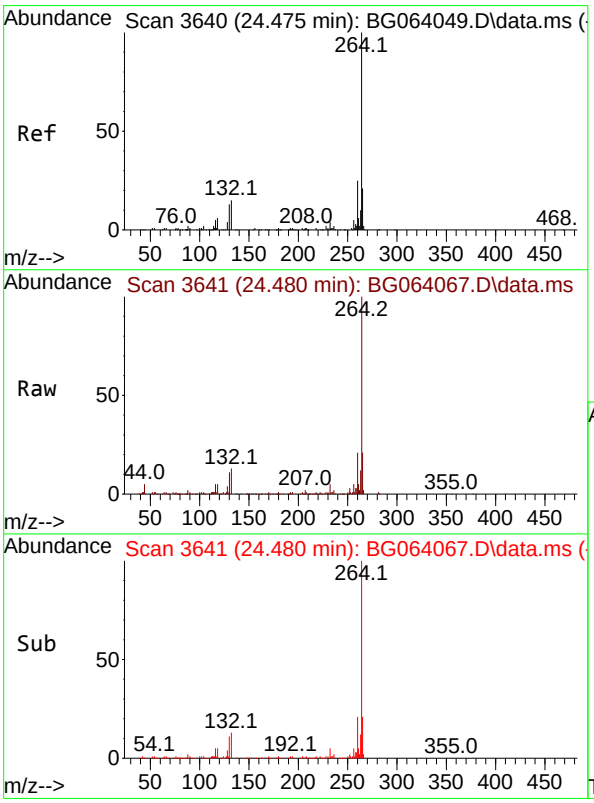
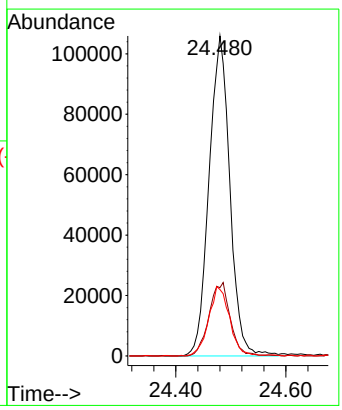


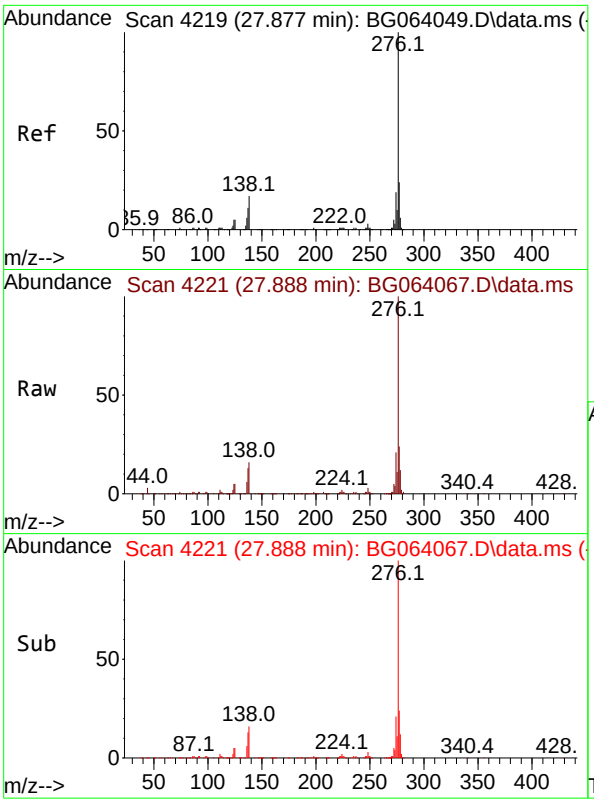


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.480 min Scan# 3641
Delta R.T. 0.005 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:264 Resp: 278096

Ion	Ratio	Lower	Upper
264	100		
260	21.4	19.6	29.4
265	20.7	16.6	25.0

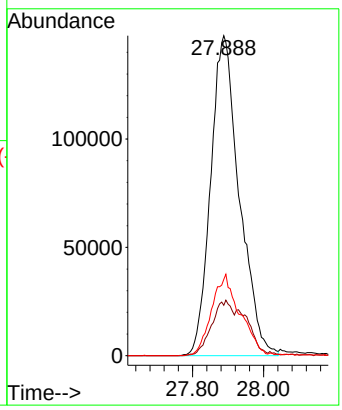




#87
Indeno(1,2,3-cd)pyrene
Concen: 44.512 ng
RT: 27.888 min Scan# 4
Delta R.T. 0.011 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:276 Resp: 82822

Ion	Ratio	Lower	Upper
276	100		
138	8.0	12.1	18.1#
277	25.1	20.0	30.0



Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02MSD

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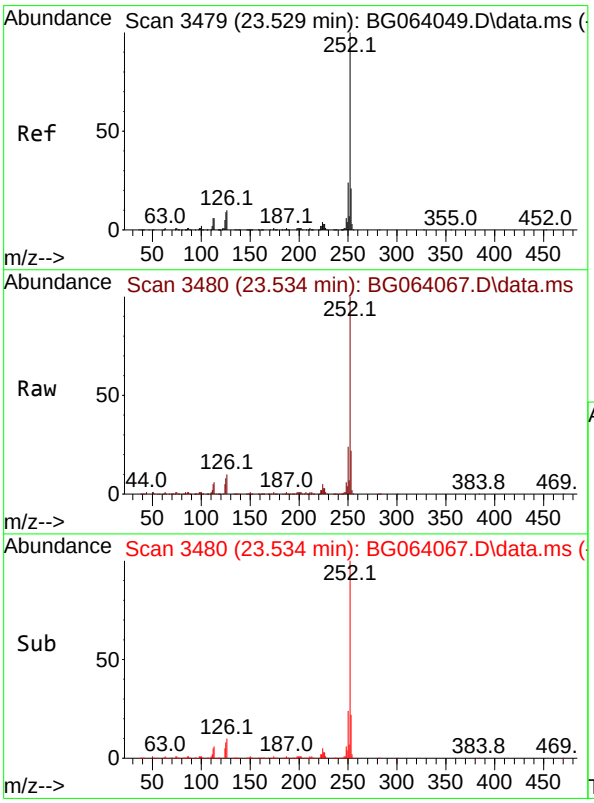
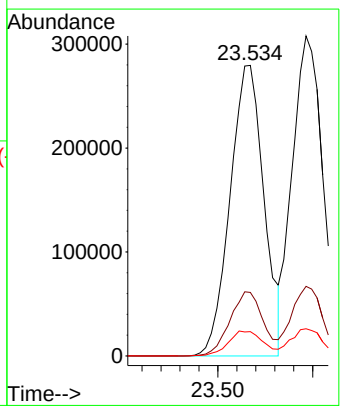
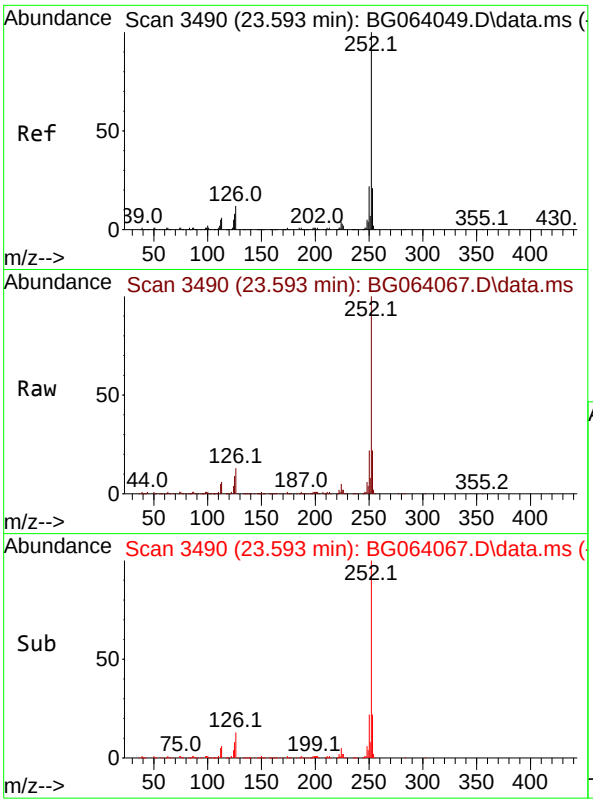


#88
Benzo(b)fluoranthene
Concen: 41.335 ng
RT: 23.534 min Scan# 3480
Delta R.T. 0.005 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:252 Resp: 694923

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.0	25.4
125	8.4	7.4	11.2

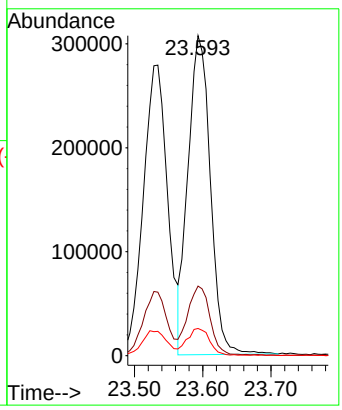




#89
Benzo(k)fluoranthene
Concen: 41.311 ng
RT: 23.593 min Scan# 34
Delta R.T. -0.000 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:252 Resp: 69674

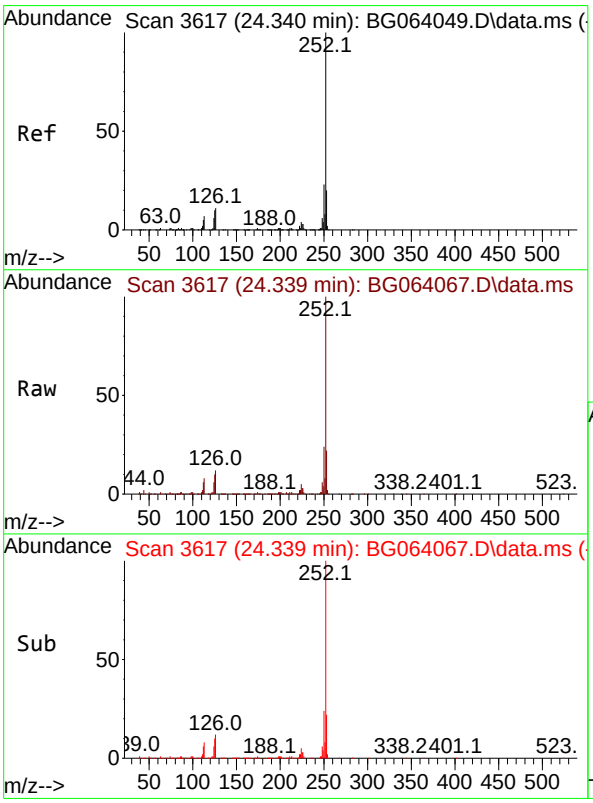
Ion	Ratio	Lower	Upper
252	100		
253	21.7	16.8	25.2
125	8.5	6.9	10.3



Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02MSD

Manual Integrations
APPROVED

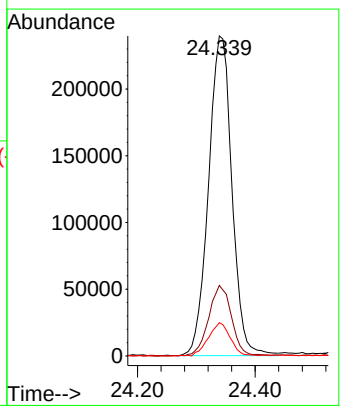
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025

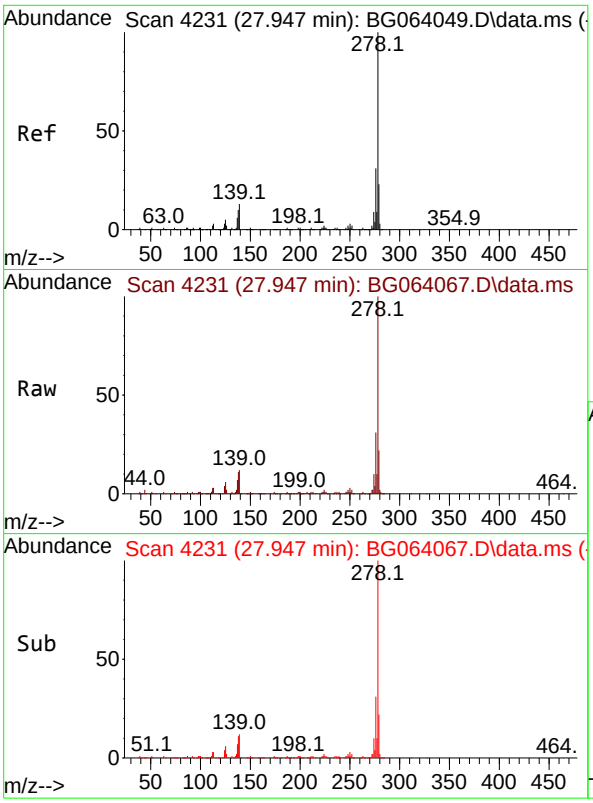


#90
Benzo(a)pyrene
Concen: 44.171 ng
RT: 24.339 min Scan# 3617
Delta R.T. -0.000 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:252 Resp: 661351

Ion	Ratio	Lower	Upper
252	100		
253	22.0	16.2	24.2
125	10.4	7.8	11.6

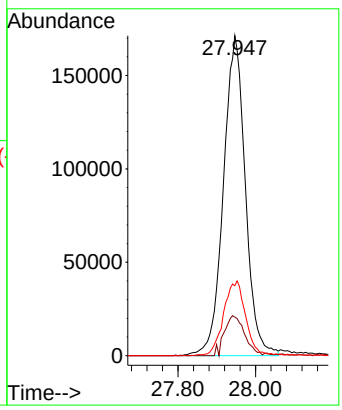




#91
Dibenzo(a,h)anthracene
Concen: 43.651 ng
RT: 27.947 min Scan# 4
Delta R.T. -0.000 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:278 Resp: 67334

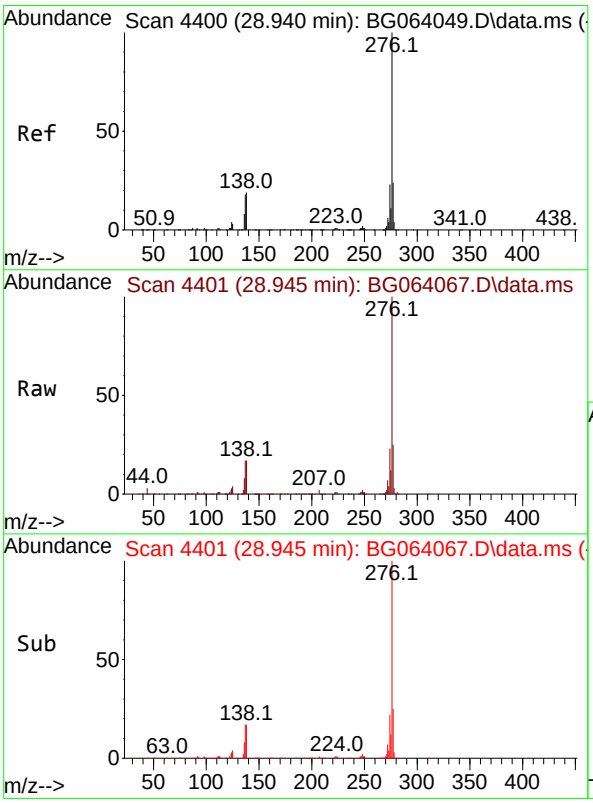
Ion	Ratio	Lower	Upper
278	100		
139	12.1	10.2	15.2
279	21.9	18.1	27.1



Instrument :
BNA_G
ClientSampleId :
ENV-105-SB02MSD

Manual Integrations
APPROVED

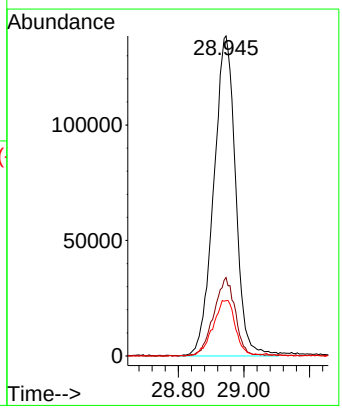
Reviewed By :Anahy Claudio 03/10/2025
Supervised By :Jagrut Upadhyay 03/10/2025



#92
Benzo(g,h,i)perylene
Concen: 40.349 ng
RT: 28.945 min Scan# 4401
Delta R.T. 0.005 min
Lab File: BG064067.D
Acq: 7 Mar 2025 20:22

Tgt Ion:276 Resp: 639032

Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.5	29.3
138	17.3	15.4	23.0



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Manual Integration Report

Sequence:	BF031025	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC080	BF141904.D	Caprolactam	anahy	3/11/2025 9:10:54 AM	Jagrut	3/11/2025 10:18:21 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF031125	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1514-01	BF141918.D	Anthracene	anahy	3/12/2025 10:34:16 AM	Jagrut	3/12/2025 11:14:22 AM	Peak Integrated by Software
Q1514-01	BF141918.D	Benzo(b)fluoranthene	anahy	3/12/2025 10:34:16 AM	Jagrut	3/12/2025 11:14:22 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bg030525	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BG064046.D	1,2-Dichlorobenzene	Jagrut	3/6/2025 5:46:12 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC005	BG064046.D	1,4-Dichlorobenzene	Jagrut	3/6/2025 5:46:12 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC005	BG064046.D	2,4,6-Trichlorophenol	Jagrut	3/6/2025 5:46:12 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC005	BG064046.D	Acenaphthene	Jagrut	3/6/2025 5:46:12 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC005	BG064046.D	Benzidine	Jagrut	3/6/2025 5:46:12 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC010	BG064047.D	Acenaphthene	Jagrut	3/6/2025 5:46:22 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC010	BG064047.D	Benzaldehyde	Jagrut	3/6/2025 5:46:22 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC010	BG064047.D	Benzidine	Jagrut	3/6/2025 5:46:22 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC010	BG064047.D	Benzoic acid	Jagrut	3/6/2025 5:46:22 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC020	BG064048.D	Acenaphthene	Jagrut	3/6/2025 5:46:24 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC020	BG064048.D	Benzaldehyde	Jagrut	3/6/2025 5:46:24 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC020	BG064048.D	Benzoic acid	Jagrut	3/6/2025 5:46:24 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICCC040	BG064049.D	Acenaphthene	Jagrut	3/6/2025 5:46:27 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bg030525	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICCC040	BG064049.D	Benzoic acid	Jagrut	3/6/2025 5:46:27 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC050	BG064050.D	Acenaphthene	Jagrut	3/6/2025 5:46:30 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC050	BG064050.D	Benzoic acid	Jagrut	3/6/2025 5:46:30 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC060	BG064051.D	Benzoic acid	Jagrut	3/6/2025 5:46:32 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICC080	BG064052.D	Benzoic acid	Jagrut	3/6/2025 5:46:36 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICV040	BG064053.D	Acenaphthene	Jagrut	3/6/2025 5:46:42 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICV040	BG064053.D	Benzaldehyde	Jagrut	3/6/2025 5:46:42 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software
SSTDICV040	BG064053.D	Benzoic acid	Jagrut	3/6/2025 5:46:42 PM	mohammad	3/7/2025 6:01:50 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BG030725	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BG064056.D	Acenaphthene	anahy	3/10/2025 10:31:51 AM	Jagrut	3/10/2025 5:40:29 PM	Peak Integrated by Software
SSTDCCC040	BG064056.D	Benzoic acid	anahy	3/10/2025 10:31:51 AM	Jagrut	3/10/2025 5:40:29 PM	Peak Integrated by Software
PB167031BS	BG064058.D	Benzoic acid	anahy	3/10/2025 10:34:59 AM	Jagrut	3/10/2025 5:40:33 PM	Peak Integrated by Software
PB167031BS	BG064058.D	Caprolactam	anahy	3/10/2025 10:34:59 AM	Jagrut	3/10/2025 5:40:33 PM	Peak Integrated by Software
PB167027BS	BG064060.D	2,3,4,6-Tetrachlorophenol	anahy	3/10/2025 10:38:13 AM	Jagrut	3/10/2025 5:40:48 PM	Peak Integrated by Software
PB167027BS	BG064060.D	Benzoic acid	anahy	3/10/2025 10:38:13 AM	Jagrut	3/10/2025 5:40:48 PM	Peak Integrated by Software
PB167027BS	BG064060.D	Caprolactam	anahy	3/10/2025 10:38:13 AM	Jagrut	3/10/2025 5:40:48 PM	Peak Integrated by Software
PB167027BSD	BG064061.D	Benzaldehyde	anahy	3/10/2025 10:39:22 AM	Jagrut	3/10/2025 5:41:03 PM	Peak Integrated by Software
PB167027BSD	BG064061.D	Benzoic acid	anahy	3/10/2025 10:39:22 AM	Jagrut	3/10/2025 5:41:03 PM	Peak Integrated by Software
PB167027BSD	BG064061.D	Caprolactam	anahy	3/10/2025 10:39:22 AM	Jagrut	3/10/2025 5:41:03 PM	Peak Integrated by Software
Q1514-03MS	BG064066.D	Benzoic acid	anahy	3/10/2025 10:41:42 AM	Jagrut	3/10/2025 5:40:51 PM	Peak Integrated by Software
Q1514-03MS	BG064066.D	Caprolactam	anahy	3/10/2025 10:41:42 AM	Jagrut	3/10/2025 5:40:51 PM	Peak Integrated by Software
Q1514-03MSD	BG064067.D	Benzoic acid	anahy	3/10/2025 10:42:28 AM	Jagrut	3/10/2025 5:40:54 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BG030725	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1514-03MSD	BG064067.D	Caprolactam	anahy	3/10/2025 10:42:28 AM	Jagrut	3/10/2025 5:40:54 PM	Peak Integrated by Software

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF031025

Review By	anahy	Review On	3/11/2025 9:11:47 AM				
Supervise By	Jagrut	Supervise On	3/11/2025 10:18:40 AM				
SubDirectory	BF031025	HP Acquire Method	BNA_F		HP Processing Method	bf031025	

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12653,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141896.D	10 Mar 2025 10:31	RC/JU	Ok
2	SSTDICC2.5	BF141897.D	10 Mar 2025 11:01	RC/JU	Ok
3	SSTDICC005	BF141898.D	10 Mar 2025 11:30	RC/JU	Ok
4	SSTDICC010	BF141899.D	10 Mar 2025 12:00	RC/JU	Ok
5	SSTDICC020	BF141900.D	10 Mar 2025 12:29	RC/JU	Ok
6	SSTDICCC040	BF141901.D	10 Mar 2025 12:58	RC/JU	Ok
7	SSTDICC050	BF141902.D	10 Mar 2025 13:28	RC/JU	Not Ok
8	SSTDICC060	BF141903.D	10 Mar 2025 13:57	RC/JU	Ok
9	SSTDICC080	BF141904.D	10 Mar 2025 14:27	RC/JU	Ok,M
10	SSTDICC050	BF141905.D	10 Mar 2025 15:20	RC/JU	Ok
11	SSTDICV040	BF141906.D	10 Mar 2025 15:53	RC/JU	Ok
12	PB167012BL	BF141907.D	10 Mar 2025 17:09	RC/JU	Ok
13	SP6752	BF141908.D	10 Mar 2025 17:39	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF031125

Review By	anahy	Review On	3/12/2025 10:51:52 AM				
Supervise By	Jagrut	Supervise On	3/12/2025 11:14:52 AM				
SubDirectory	BF031125	HP Acquire Method	BNA_F		HP Processing Method	bf031025	

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12653,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141909.D	11 Mar 2025 10:52	RC/JU	Ok
2	SSTDCCC040	BF141910.D	11 Mar 2025 11:51	RC/JU	Ok
3	PB167045BL	BF141911.D	11 Mar 2025 12:21	RC/JU	Ok
4	PB167012BS	BF141912.D	11 Mar 2025 12:51	RC/JU	Ok,M
5	PB167078BL	BF141913.D	11 Mar 2025 13:20	RC/JU	Ok
6	PB167078BS	BF141914.D	11 Mar 2025 13:50	RC/JU	Ok,M
7	Q1514-05	BF141915.D	11 Mar 2025 14:26	RC/JU	Ok
8	Q1507-01	BF141916.D	11 Mar 2025 14:56	RC/JU	Dilution
9	Q1508-01	BF141917.D	11 Mar 2025 15:26	RC/JU	Ok,M
10	Q1514-01	BF141918.D	11 Mar 2025 16:12	RC/JU	Ok,M
11	Q1534-06	BF141919.D	11 Mar 2025 16:42	RC/JU	Ok
12	Q1534-12	BF141920.D	11 Mar 2025 17:12	RC/JU	Ok
13	Q1534-18	BF141921.D	11 Mar 2025 17:42	RC/JU	Ok
14	Q1534-24	BF141922.D	11 Mar 2025 18:12	RC/JU	Ok,M
15	Q1534-03	BF141923.D	11 Mar 2025 18:42	RC/JU	Not Ok
16	Q1515-01	BF141924.D	11 Mar 2025 19:12	RC/JU	Ok,M
17	Q1534-07	BF141925.D	11 Mar 2025 19:42	RC/JU	Not Ok
18	Q1534-01	BF141926.D	11 Mar 2025 20:12	RC/JU	Ok,M
19	Q1507-01DL	BF141927.D	11 Mar 2025 20:42	RC/JU	Not Ok
20	Q1535-01	BF141928.D	11 Mar 2025 21:12	RC/JU	Ok,M
21	Q1494-03	BF141929.D	11 Mar 2025 21:42	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG030525

Review By	Jagrut	Review On	3/6/2025 5:46:57 PM				
Supervise By	mohammad	Supervise On	3/7/2025 6:01:50 AM				
SubDirectory	BG030525	HP Acquire Method	BNA_G			HP Processing Method	bg030525

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12653,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BG064044.D	5 Mar 2025 8:15	RC/JU	Ok
2	SSTDICC2.5	BG064045.D	5 Mar 2025 9:02	RC/JU	Ok
3	SSTDICC005	BG064046.D	5 Mar 2025 9:42	RC/JU	Ok,M
4	SSTDICC010	BG064047.D	5 Mar 2025 10:22	RC/JU	Ok,M
5	SSTDICC020	BG064048.D	5 Mar 2025 11:03	RC/JU	Ok,M
6	SSTDICCC040	BG064049.D	5 Mar 2025 11:43	RC/JU	Ok,M
7	SSTDICC050	BG064050.D	5 Mar 2025 12:23	RC/JU	Ok,M
8	SSTDICC060	BG064051.D	5 Mar 2025 13:04	RC/JU	Ok,M
9	SSTDICC080	BG064052.D	5 Mar 2025 13:44	RC/JU	Ok,M
10	SSTDICV040	BG064053.D	5 Mar 2025 15:10	RC/JU	Ok,M
11	PB166970BL	BG064054.D	5 Mar 2025 15:50	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG030725

Review By	anahy	Review On	3/10/2025 10:42:50 AM				
Supervise By	Jagrut	Supervise On	3/10/2025 5:41:17 PM				
SubDirectory	BG030725	HP Acquire Method	BNA_G		HP Processing Method	bg030525	

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12653,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BG064055.D	7 Mar 2025 12:15	RC/JU	Ok
2	SSTDCCC040	BG064056.D	7 Mar 2025 12:56	RC/JU	Ok,M
3	PB167031BL	BG064057.D	7 Mar 2025 13:37	RC/JU	Ok
4	PB167031BS	BG064058.D	7 Mar 2025 14:18	RC/JU	Ok,M
5	PB167027BL	BG064059.D	7 Mar 2025 14:58	RC/JU	Ok
6	PB167027BS	BG064060.D	7 Mar 2025 15:39	RC/JU	Ok,M
7	PB167027BSD	BG064061.D	7 Mar 2025 16:19	RC/JU	Ok,M
8	Q1494-01	BG064062.D	7 Mar 2025 17:00	RC/JU	Ok
9	Q1514-07	BG064063.D	7 Mar 2025 17:40	RC/JU	Ok
10	Q1514-09	BG064064.D	7 Mar 2025 18:21	RC/JU	Ok
11	Q1514-03	BG064065.D	7 Mar 2025 19:01	RC/JU	Ok
12	Q1514-03MS	BG064066.D	7 Mar 2025 19:42	RC/JU	Ok,M
13	Q1514-03MSD	BG064067.D	7 Mar 2025 20:22	RC/JU	Ok,M
14	Q1514-08	BG064068.D	7 Mar 2025 21:03	RC/JU	Ok
15	Q1494-04	BG064069.D	7 Mar 2025 21:43	RC/JU	Ok
16	Q1494-06	BG064070.D	7 Mar 2025 22:24	RC/JU	Ok
17	Q1494-08	BG064071.D	7 Mar 2025 23:05	RC/JU	Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF031025

Review By	anahy	Review On	3/11/2025 9:11:47 AM		
Supervise By	Jagrut	Supervise On	3/11/2025 10:18:40 AM		
SubDirectory	BF031025	HP Acquire Method	BNA_F	HP Processing Method	bf031025

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12653,10ul/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	BF141896.D	10 Mar 2025 10:31		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF141897.D	10 Mar 2025 11:01		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF141898.D	10 Mar 2025 11:30	Compound#9,32,54,65 removed from 5 ppm	RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF141899.D	10 Mar 2025 12:00		RC/JU	Ok
5	SSTDICC020	SSTDICC020	BF141900.D	10 Mar 2025 12:29	Compound #54 Kept on LR, Method is good for DOD . Method failed for compound #77.	RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BF141901.D	10 Mar 2025 12:58		RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF141902.D	10 Mar 2025 13:28	Not used	RC/JU	Not Ok
8	SSTDICC060	SSTDICC060	BF141903.D	10 Mar 2025 13:57	Compound#69 Removed from 60 ppm	RC/JU	Ok
9	SSTDICC080	SSTDICC080	BF141904.D	10 Mar 2025 14:27	Compound#9,69 Removed from 80 ppm	RC/JU	Ok,M
10	SSTDICC050	SSTDICC050	BF141905.D	10 Mar 2025 15:20		RC/JU	Ok
11	SSTDICV040	ICVBF031025	BF141906.D	10 Mar 2025 15:53		RC/JU	Ok
12	PB167012BL	PB167012BL	BF141907.D	10 Mar 2025 17:09		RC/JU	Ok
13	SP6752	SP6752	BF141908.D	10 Mar 2025 17:39	8270 SPIKE-SP6752	RC/JU	Ok,M

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF031125

Review By	anahy	Review On	3/12/2025 10:51:52 AM		
Supervise By	Jagrut	Supervise On	3/12/2025 11:14:52 AM		
SubDirectory	BF031125	HP Acquire Method	BNA_F	HP Processing Method	bf031025

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12653,10ul/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	BF141909.D	11 Mar 2025 10:52		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141910.D	11 Mar 2025 11:51	CCC fail high side for com. #77	RC/JU	Ok
3	PB167045BL	PB167045BL	BF141911.D	11 Mar 2025 12:21		RC/JU	Ok
4	PB167012BS	PB167012BS	BF141912.D	11 Mar 2025 12:51		RC/JU	Ok,M
5	PB167078BL	PB167078BL	BF141913.D	11 Mar 2025 13:20		RC/JU	Ok
6	PB167078BS	PB167078BS	BF141914.D	11 Mar 2025 13:50		RC/JU	Ok,M
7	Q1514-05	ENV-103-SB01	BF141915.D	11 Mar 2025 14:26		RC/JU	Ok
8	Q1507-01	50-MIDDLESEX-AVE	BF141916.D	11 Mar 2025 14:56	Need 5X Dilution	RC/JU	Dilution
9	Q1508-01	RBR251372	BF141917.D	11 Mar 2025 15:26	Internal standard failed.	RC/JU	Ok,M
10	Q1514-01	ENV-105-SB01	BF141918.D	11 Mar 2025 16:12		RC/JU	Ok,M
11	Q1534-06	OR-363-COMP-16	BF141919.D	11 Mar 2025 16:42		RC/JU	Ok
12	Q1534-12	OR-363-COMP-17	BF141920.D	11 Mar 2025 17:12		RC/JU	Ok
13	Q1534-18	OR-363-COMP-18	BF141921.D	11 Mar 2025 17:42		RC/JU	Ok
14	Q1534-24	OR-363OR-363-COMP	BF141922.D	11 Mar 2025 18:12		RC/JU	Ok,M
15	Q1534-03	OR-363-46	BF141923.D	11 Mar 2025 18:42	Test is not present on login page	RC/JU	Not Ok
16	Q1515-01	AU-06-030625	BF141924.D	11 Mar 2025 19:12		RC/JU	Ok,M
17	Q1534-07	OR-363-COMP-17	BF141925.D	11 Mar 2025 19:42	Need Straight Run	RC/JU	Not Ok
18	Q1534-01	OR-363-COMP-16	BF141926.D	11 Mar 2025 20:12	Internal Standard Fail	RC/JU	Ok,M

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF031125

Review By	anahy	Review On	3/12/2025 10:51:52 AM		
Supervise By	Jagrut	Supervise On	3/12/2025 11:14:52 AM		
SubDirectory	BF031125	HP Acquire Method	BNA_F	HP Processing Method	bf031025

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12653,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1507-01DL	50-MIDDLESEX-AVEDI	BF141927.D	11 Mar 2025 20:42	Internal Standard Fail	RC/JU	Not Ok
20	Q1535-01	SU-03-03102025	BF141928.D	11 Mar 2025 21:12	Internal Standard Fail	RC/JU	Ok,M
21	Q1494-03	ASPHALT-SOIL	BF141929.D	11 Mar 2025 21:42	Internal Standard Fail	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG030525

Review By	Jagrut	Review On	3/6/2025 5:46:57 PM		
Supervise By	mohammad	Supervise On	3/7/2025 6:01:50 AM		
SubDirectory	BG030525	HP Acquire Method	BNA_G	HP Processing Method	bg030525

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12653,10ul/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	BG064044.D	5 Mar 2025 8:15		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BG064045.D	5 Mar 2025 9:02		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BG064046.D	5 Mar 2025 9:42	Compound#32,54,56,65,70,85 removed from 5 ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BG064047.D	5 Mar 2025 10:22		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BG064048.D	5 Mar 2025 11:03	Compound#32,51,54,57,65,80 Kept on LR & Compound#26,48 Kept on QR	RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BG064049.D	5 Mar 2025 11:43	Calibration is good for 8270 E and 8270 DOD. Benzidine failed in the Calibration.	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BG064050.D	5 Mar 2025 12:23		RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BG064051.D	5 Mar 2025 13:04	Compound#69 removed from 60 ppm	RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BG064052.D	5 Mar 2025 13:44	Compound#9,69 removed from 80 ppm	RC/JU	Ok,M
10	SSTDICV040	ICVBG030525	BG064053.D	5 Mar 2025 15:10		RC/JU	Ok,M
11	PB166970BL	PB166970BL	BG064054.D	5 Mar 2025 15:50		RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG030725

Review By	anahy	Review On	3/10/2025 10:42:50 AM		
Supervise By	Jagrut	Supervise On	3/10/2025 5:41:17 PM		
SubDirectory	BG030725	HP Acquire Method	BNA_G	HP Processing Method	bg030525

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12653,10ul/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	BG064055.D	7 Mar 2025 12:15		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BG064056.D	7 Mar 2025 12:56		RC/JU	Ok,M
3	PB167031BL	PB167031BL	BG064057.D	7 Mar 2025 13:37		RC/JU	Ok
4	PB167031BS	PB167031BS	BG064058.D	7 Mar 2025 14:18		RC/JU	Ok,M
5	PB167027BL	PB167027BL	BG064059.D	7 Mar 2025 14:58		RC/JU	Ok
6	PB167027BS	PB167027BS	BG064060.D	7 Mar 2025 15:39		RC/JU	Ok,M
7	PB167027BSD	PB167027BSD	BG064061.D	7 Mar 2025 16:19		RC/JU	Ok,M
8	Q1494-01	PURGE-WATER	BG064062.D	7 Mar 2025 17:00		RC/JU	Ok
9	Q1514-07	ENV-105-GW01	BG064063.D	7 Mar 2025 17:40		RC/JU	Ok
10	Q1514-09	FB03062025	BG064064.D	7 Mar 2025 18:21		RC/JU	Ok
11	Q1514-03	ENV-105-SB02	BG064065.D	7 Mar 2025 19:01		RC/JU	Ok
12	Q1514-03MS	ENV-105-SB02MS	BG064066.D	7 Mar 2025 19:42		RC/JU	Ok,M
13	Q1514-03MSD	ENV-105-SB02MSD	BG064067.D	7 Mar 2025 20:22		RC/JU	Ok,M
14	Q1514-08	ENV-103-GW01	BG064068.D	7 Mar 2025 21:03		RC/JU	Ok
15	Q1494-04	ASPHALT-SOIL	BG064069.D	7 Mar 2025 21:43		RC/JU	Ok
16	Q1494-06	SOIL	BG064070.D	7 Mar 2025 22:24		RC/JU	Ok
17	Q1494-08	SOIL-COMP	BG064071.D	7 Mar 2025 23:05		RC/JU	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 3/7/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:30
In Date: 03/06/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:41
Out Date: 03/07/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB134919

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
Q1433-03	K084-1C	1	1.12	8.76	9.88	5.68	52.1	
Q1433-06	K084-2C	2	1.15	8.48	9.63	7.29	72.4	
Q1433-09	K084-3C	3	1.15	8.80	9.95	7.89	76.6	
Q1434-02	K084-4C	4	1.15	8.62	9.77	7.38	72.3	
Q1434-05	K084-5C	5	1.16	8.81	9.97	8.68	85.4	
Q1434-07	K084-6C	6	1.12	8.70	9.82	7.49	73.2	
Q1434-10	K084-7C	7	1.12	8.76	9.88	7.23	69.7	
Q1436-02	K084-8B	8	1.17	8.80	9.97	8.01	77.7	
Q1436-03	K084-8C	9	1.16	8.82	9.98	7.63	73.4	
Q1436-05	K084-9B	10	1.16	8.82	9.98	7.12	67.6	
Q1436-06	K084-9C	11	1.16	8.67	9.83	6.26	58.8	
Q1436-08	K084-10B	12	1.16	8.57	9.73	7.16	70.0	
Q1436-09	K084-10C	13	1.16	8.80	9.96	6.66	62.5	
Q1437-01	K084-11B	14	1.13	8.80	9.93	7.54	72.8	
Q1437-02	K084-11C	15	1.15	8.82	9.97	6.59	61.7	
Q1437-04	K084-12B	16	1.13	8.74	9.87	7.61	74.1	
Q1437-05	K084-12C	17	1.15	8.82	9.97	7.03	66.7	
Q1437-07	K084-13B	18	1.19	8.72	9.91	7.45	71.8	
Q1437-08	K084-13C	19	1.16	8.45	9.61	6.95	68.5	
Q1437-10	K084-14B	20	1.16	8.80	9.96	7.03	66.7	
Q1438-01	K084-14C	21	1.15	8.62	9.77	7.03	68.2	
Q1438-03	K084-15C	22	1.14	8.80	9.94	7.71	74.7	
Q1438-05	K084-16C	23	1.19	8.53	9.72	7.56	74.7	
Q1438-09	K084-DUP4	24	1.18	8.81	9.99	6.93	65.3	
Q1507-01	50-MIDDLESEX-AVE	25	1.15	8.83	9.98	8.92	88.0	
Q1507-02	50-MIDDLESEX-AVE-E2	26	1.15	8.80	9.95	8.41	82.5	
Q1508-01	RBR251372	27	1.12	8.87	9.99	7.42	71.0	
Q1508-02	RBR251372-E2	28	1.19	8.75	9.94	7.76	75.1	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 3/7/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:30
In Date: 03/06/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:41
Out Date: 03/07/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB134919

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
Q1509-01	HIH088X-1-1	29	1.00	1.00	2.00	2.00	100.0	oilc
Q1509-02	HIH088X-1-2	30	1.00	1.00	2.00	2.00	100.0	oilc
Q1510-01	FMC-25-0001-0005	31	1.16	8.50	9.66	7.99	80.4	
Q1510-02	FMC-25-0006	32	1.00	1.00	2.00	2.00	100.0	oil sample
Q1514-01	ENV-105-SB01	39	1.15	8.84	9.99	9.25	91.6	
Q1514-03	ENV-105-SB02	40	1.13	8.84	9.97	8.29	81.0	
Q1514-05	ENV-103-SB01	41	1.14	8.81	9.95	8.99	89.1	
Q1515-01	AU-06-030625	42	1.15	8.81	9.96	8.88	87.7	
Q1515-02	AU-06-030625-E2	43	1.16	8.82	9.98	8.62	84.6	
Q1516-01	GAS-AUD-25-0004	44	1.17	8.58	9.75	9.24	94.1	
Q1516-02	GAS-AUD-25-0025	45	1.16	8.68	9.84	9.7	98.4	
Q1518-01	OILY-DEBRIS-COMP	46	1.15	8.83	9.98	9.29	92.2	
Q1520-01	BC248121-1-1	33	1.00	1.00	2.00	2.00	100.0	oilc
Q1520-02	BC248121-1-2	34	1.00	1.00	2.00	2.00	100.0	oilc
Q1520-03	BC260492-1-1	35	1.00	1.00	2.00	2.00	100.0	oilc
Q1520-04	BC260492-1-2	36	1.00	1.00	2.00	2.00	100.0	oilc
Q1520-05	JEH488H-1-1	37	1.00	1.00	2.00	2.00	100.0	oilc
Q1520-06	JEH488H-1-2	38	1.00	1.00	2.00	2.00	100.0	oilc

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

UB134919

WorkList Name : %1-030625 **WorkList ID :** 188063 **Department :** Wet-Chemistry **Date :** 03-06-2025 08:23:42

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1433-03	K084-1C	Solid	Percent Solids	Cool 4 deg C	ATCE02	H11	02/25/2025	Chemtech -SO
Q1433-06	K084-2C	Solid	Percent Solids	Cool 4 deg C	ATCE02	H11	02/25/2025	Chemtech -SO
Q1433-09	K084-3C	Solid	Percent Solids	Cool 4 deg C	ATCE02	H11	02/25/2025	Chemtech -SO
Q1434-02	K084-4C	Solid	Percent Solids	Cool 4 deg C	ATCE02	H11	02/25/2025	Chemtech -SO
Q1434-05	K084-5C	Solid	Percent Solids	Cool 4 deg C	ATCE02	H11	02/25/2025	Chemtech -SO
Q1434-07	K084-6C	Solid	Percent Solids	Cool 4 deg C	ATCE02	H11	02/25/2025	Chemtech -SO
Q1434-10	K084-7C	Solid	Percent Solids	Cool 4 deg C	ATCE02	H11	02/25/2025	Chemtech -SO
Q1436-02	K084-8B	Solid	Percent Solids	Cool 4 deg C	ATCE02	H11	02/25/2025	Chemtech -SO
Q1436-03	K084-8C	Solid	Percent Solids	Cool 4 deg C	ATCE02	H11	02/25/2025	Chemtech -SO
Q1436-05	K084-9B	Solid	Percent Solids	Cool 4 deg C	ATCE02	H11	02/25/2025	Chemtech -SO
Q1436-06	K084-9C	Solid	Percent Solids	Cool 4 deg C	ATCE02	H11	02/25/2025	Chemtech -SO
Q1436-08	K084-10B	Solid	Percent Solids	Cool 4 deg C	ATCE02	H11	02/25/2025	Chemtech -SO
Q1436-09	K084-10C	Solid	Percent Solids	Cool 4 deg C	ATCE02	H11	02/25/2025	Chemtech -SO
Q1437-01	K084-11B	Solid	Percent Solids	Cool 4 deg C	ATCE02	H11	02/25/2025	Chemtech -SO
Q1437-02	K084-11C	Solid	Percent Solids	Cool 4 deg C	ATCE02	H11	02/25/2025	Chemtech -SO
Q1437-04	K084-12B	Solid	Percent Solids	Cool 4 deg C	ATCE02	H11	02/25/2025	Chemtech -SO
Q1437-05	K084-12C	Solid	Percent Solids	Cool 4 deg C	ATCE02	H11	02/25/2025	Chemtech -SO
Q1437-07	K084-13B	Solid	Percent Solids	Cool 4 deg C	ATCE02	H11	02/25/2025	Chemtech -SO
Q1437-08	K084-13C	Solid	Percent Solids	Cool 4 deg C	ATCE02	H11	02/25/2025	Chemtech -SO
Q1437-10	K084-14B	Solid	Percent Solids	Cool 4 deg C	ATCE02	H11	02/25/2025	Chemtech -SO
Q1438-01	K084-14C	Solid	Percent Solids	Cool 4 deg C	ATCE02	H11	02/25/2025	Chemtech -SO

Date/Time 03/06/26 16:10

Raw Sample Received by: JD WC)

Raw Sample Relinquished by: CR SM

Date/Time 03/06/26 17:40

Raw Sample Received by: CR SM

Raw Sample Relinquished by: JD WC

WORKLIST(Hardcopy Internal Chain)

LB 134919

WorkList Name : %1-030625 **WorkList ID :** 188063 **Department :** Wet-Chemistry **Date :** 03-06-2025 08:23:42

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1438-03	K084-15C	Solid	Percent Solids	Cool 4 deg C	ATCE02	H11	02/25/2025	Chemtech -SO
Q1438-05	K084-16C	Solid	Percent Solids	Cool 4 deg C	ATCE02	H11	02/25/2025	Chemtech -SO
Q1438-09	K084-DUP4	Solid	Percent Solids	Cool 4 deg C	ATCE02	H11	02/25/2025	Chemtech -SO
Q1507-01	50-MIDDLESEX-AVE	Solid	Percent Solids	Cool 4 deg C	PSEG03	I21	03/06/2025	Chemtech -SO
Q1507-02	50-MIDDLESEX-AVE-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	I21	03/06/2025	Chemtech -SO
Q1508-01	RBR251372	Solid	Percent Solids	Cool 4 deg C	PSEG03	I21	03/06/2025	Chemtech -SO
Q1508-02	RBR251372-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	I21	03/06/2025	Chemtech -SO
Q1509-01	HIH088X-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	I21	03/06/2025	Chemtech -SO
Q1509-02	HIH088X-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	I21	03/06/2025	Chemtech -SO
Q1510-01	FMC-25-0001-0005	Solid	Percent Solids	Cool 4 deg C	PSEG03	I21	03/06/2025	Chemtech -SO
Q1510-02	FMC-25-0006	Solid	Percent Solids	Cool 4 deg C	PSEG03	I21	03/06/2025	Chemtech -SO
Q1514-01	ENV-105-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	I31	03/05/2025	Chemtech -SO
Q1514-03	ENV-105-SB02	Solid	Percent Solids	Cool 4 deg C	PORT06	I31	03/05/2025	Chemtech -SO
Q1514-05	ENV-103-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	I31	03/05/2025	Chemtech -SO
Q1515-01	AU-06-030625	Solid	Percent Solids	Cool 4 deg C	PSEG05	I21	03/06/2025	Chemtech -SO
Q1515-02	AU-06-030625-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	I21	03/06/2025	Chemtech -SO
Q1516-01	GAS-AUD-25-0004	Solid	Percent Solids	Cool 4 deg C	PSEG03	I21	03/06/2025	Chemtech -SO
Q1516-02	GAS-AUD-25-0025	Solid	Percent Solids	Cool 4 deg C	PSEG03	I21	03/06/2025	Chemtech -SO
Q1518-01	OILY-DEBRIS-COMP	Solid	Percent Solids	Cool 4 deg C	PSEG03	I21	03/06/2025	Chemtech -SO
Q1520-01	BC248121-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	I21	03/06/2025	Chemtech -SO
Q1520-02	BC248121-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	I21	03/06/2025	Chemtech -SO

Date/Time 03/06/25 16:10 03/06/25

Raw Sample Received by: JC Curl

Raw Sample Relinquished by: CP SM

Date/Time 03/06/25 17:40

Raw Sample Received by: CP SM

Raw Sample Relinquished by: JC Curl

WORKLIST(Hardcopy Internal Chain)

VB134919

WorkList Name : %1-030625 **WorkList ID :** 188063 **Department :** Wet-Chemistry **Date :** 03-06-2025 08:23:42

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1520-03	BC260492-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	I21	03/06/2025	Chemtech -SO
Q1520-04	BC260492-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	I21	03/06/2025	Chemtech -SO
Q1520-05	JEH488H-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	I21	03/06/2025	Chemtech -SO
Q1520-06	JEH488H-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	I21	03/06/2025	Chemtech -SO

Date/Time 03/06/25 16:20
Raw Sample Received by: JR CWC
Raw Sample Relinquished by: CP SM

Date/Time 03/06/25 17:40
Raw Sample Received by: CP SM
Raw Sample Relinquished by: JR CWC

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167027

SOP ID:	M3510C,3580A-Extraction SVOC-20				
Clean Up SOP #:	N/A			**Extraction Start Date :**	03/07/2025
Matrix :	Water			**Extraction Start Time :**	08:24
Weigh By:	N/A	**Extraction By:**	RS	**Extraction End Date :**	03/07/2025
Balance check:	N/A	**Filter By:**	RS	**Extraction End Time :**	13:30
Balance ID:	N/A	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	E3880	**Hood ID:**	4,6,7	**Supervisor By :**	RUPESH

Extraction Method: [√] Seperatory Funnel [ ] Continious Liquid/Liquid [ ] Sonication [ ] Waste Dilution [ ] Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6720
Surrogate	1.0ML	100/150 PPM	SP6638
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3878
Baked Na2SO4	N/A	EP2590
10N NaoH	N/A	EP2559
H2SO4 1:1	N/A	EP2565
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. pH Adjusted<2 with 1:1 H2SO4 & >11 with 10 N NaOH.
Q1514-09 Limited volume received.

KD Bath ID:	WATER BATH-1,2	**Envap ID:**	NEVAP-02
KD Bath Temperature:	60 °C	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
3/7/25	RS (EXT-Lab)	RC/SVOC
13:35	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167027

Analytical Method: M3510C,3580A-Extraction SVOC-20 **Concentration Date:** 03/07/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167027BL	SBLK027	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			SEP-11
PB167027BS	SLCS027	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			12
PB167027BSD	SLCSD027	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			13
Q1494-01	PURGE-WATER	SVOC-TCL BNA -20	960	6	RUPESH	ritesh	1	M		14
Q1514-07	ENV-105-GW01	SVOC-TCL BNA -20	800	6	RUPESH	ritesh	1	G		15
Q1514-08	ENV-103-GW01	SVOC-TCL BNA -20	850	6	RUPESH	ritesh	1	G		16
Q1514-09	FB03062025	SVOC-TCL BNA -20	380	6	RUPESH	ritesh	0.5	G		17

RS
3/7

* **Extracts relinquished on the same date as received.**

16/7/25 8:24

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1494 **WorkList ID :** 188103 **Department :** Extraction **Date :** 03-07-2025 08:18:07

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1494-01	PURGE-WATER	Water	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	I31	03/05/2025	8270E
Q1514-07	ENV-105-GW01	Water	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	I31	03/05/2025	8270E
Q1514-08	ENV-103-GW01	Water	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	I31	03/05/2025	8270E
Q1514-09	FB03062025	Water	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	I31	03/05/2025	8270E

Date/Time 3/7/25 8:20
Raw Sample Received by: RS (ESS-Webb)
Raw Sample Relinquished by:

Date/Time 3/7/25 9:05
Raw Sample Received by:
Raw Sample Relinquished by: RS (ESS-Webb)

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167031

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	N/A			**Extraction Start Date :**	03/07/2025
Matrix :	Solid			**Extraction Start Time :**	08:55
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	03/07/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	11:55
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	RUPESH

Extraction Method: [ ] Seperatory Funnel [ ] Continious Liquid/Liquid [ ] Sonication [ ] Waste Dilution [√] Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6720
Surrogate	1.0ML	100/150 PPM	SP6638
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2591
Baked Na2SO4	N/A	EP2590
Methylene Chloride	N/A	E3878
Sand	N/A	E2865
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot # 2210673.

KD Bath ID:	N/A	**Envap ID:**	NEVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
3/7/25	RS (Ext lab)	RC/SVOC
12:00	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167031

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 03/07/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167031BL	SBLK031	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1			U2-1
PB167031BS	SLCS031	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			2
Q1507-01	50-MIDDLESEX-AVE	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	E		3
Q1508-01	RBR251372	SVOC-TCL BNA -20	50.04	N/A	ritesh	Evelyn	1	E		4
Q1514-01	ENV-105-SB01	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	E		5
Q1514-03	ENV-105-SB02	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1	E		6
Q1514-03MS	ENV-105-SB02MS	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	E		U3-1
Q1514-03MSD	ENV-105-SB02MSD	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	E		2
Q1514-05	ENV-103-SB01	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	E		3
Q1515-01	AU-06-030625	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	E		4
Q1518-01	OILY-DEBRIS-COMP	SVOC-PAH	50.03	N/A	ritesh	Evelyn	1	E		5

RS
3/7

* **Extracts relinquished on the same date as received.**

167031
8:55

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1508 **WorkList ID :** 188104 **Department :** Extraction **Date :** 03-07-2025 08:19:30

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1507-01	50-MIDDLESEX-AVE	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	I21	03/06/2025	8270E
Q1508-01	RBR251372	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	I21	03/06/2025	8270E
Q1514-01	ENV-105-SB01	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	I31	03/05/2025	8270E
Q1514-03	ENV-105-SB02	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	I31	03/05/2025	8270E
Q1514-05	ENV-103-SB01	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	I31	03/05/2025	8270E
Q1515-01	AU-06-030625	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	I21	03/06/2025	8270E
Q1518-01	OILY-DEBRIS-COMP	Solid	SVOC-PAH	Cool 4 deg C	PSEG03	I21	03/06/2025	8270E

Date/Time 3/7/25 8:50
Raw Sample Received by: RJ (EXT lock)
Raw Sample Relinquished by:

Date/Time 3/7/25 9:15
Raw Sample Received by:
Raw Sample Relinquished by: RJ (EXT lock)

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Prep Standard - Chemical Standard Summary

Order ID : Q1514

Test : SVOC-TCL BNA -20

Prepbatch ID : PB167027,PB167031,

Sequence ID/Qc Batch ID: BF031125,BG030725,

Standard ID :
EP2559,EP2565,EP2590,EP2591,SP6638,SP6685,SP6686,SP6717,SP6720,SP6721,SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729,

Chemical ID :
10ul/1000ul sample,E2865,E3551,E3657,E3815,E3828,E3846,E3871,E3874,E3876,E3878,M5173,S10104,S10246,S10397,S10584,S10978,S10979,S10980,S11004,S11005,S11006,S11007,S11008,S11009,S11010,S11074,S11087,S11143,S11161,S11487,S11495,S11650,S11781,S11782,S11783,S11784,S11785,S12114,S12142,S12143,S12144,S12145,S12146,S12187,S12188,S12189,S12207,S12208,S12270,S12276,S12327,S12469,S12470,S12471,S12472,S12473,S12474,S12475,S12476,S12477,S12478,S12517,S12518,S12519,S12520,S12521,S12522,S12523,S12524,S12525,S12649,S12653,S12791,S12963,S12964,S12965,S12966,W3112,

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1874	10 N SODIUM HYDROXIDE SOLN	EP2559	11/14/2024	05/14/2025	Rajesh Parikh	Extraction_SCALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 11/14/2024

FROM 1000.00000ml of W3112 + 400.00000gram of E3657 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
314	1.1 H2SO4 SOLN	EP2565	11/20/2024	05/20/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 11/20/2024

FROM 1000.00000ml of M5173 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml

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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	EP2590	02/26/2025	07/01/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 02/26/2025

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	EP2591	02/26/2025	08/14/2025	RUPESHKUMAR SHAH	None	None	Riteshkumar Patel 02/26/2025

FROM 8000.00000ml of E3876 + 8000.00000ml of E3878 = Final Quantity: 16000.000 ml

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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	SP6638	10/10/2024	04/04/2025	Jagrut Upadhyay	None	None	mohammad ahmed 10/18/2024

FROM 1930.00000ml of E3815 + 5.00000ml of S10978 + 5.00000ml of S10979 + 5.00000ml of S10980 + 5.00000ml of S11004 + 5.00000ml of S11005 + 5.00000ml of S11006 + 5.00000ml of S11007 + 5.00000ml of S11008 + 5.00000ml of S11009 + 5.00000ml of S11010 + 5.00000ml of S12187 + 5.00000ml of S12188 + 5.00000ml of S12189 + 5.00000ml of S12207 = Final Quantity: 2000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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SVOC STANDARD PREPARATION LOG

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

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3895	50 ug/ml DFTPP 8270E	SP6717	01/15/2025	03/31/2025	Rahul Chavli	None	None	Yogesh Patel 01/16/2025

FROM 1.00000ml of S10246 + 19.00000ml of E3871 = Final Quantity: 20.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
171	8270/625 Spike Solution, 50/100 PPM	SP6720	01/29/2025	04/30/2025	Jagrut Upadhyay	None	None	Yogesh Patel 02/06/2025

FROM 0.40000ml of S10397 + 0.40000ml of S10584 + 0.40000ml of S11143 + 0.40000ml of S11487 + 0.40000ml of S11650 + 0.40000ml of S12478 + 0.50000ml of S11781 + 0.50000ml of S12470 + 0.60000ml of S11785 + 0.90000ml of S12518 + 0.90000ml of S12966 + 1.30000ml of S11782 + 1.30000ml of S11783 + 1.30000ml of S11784 + 1.30000ml of S12143 + 1.30000ml of S12144 + 1.30000ml of S12145 + 1.30000ml of S12146 + 1.30000ml of S12471 + 1.30000ml of S12472 + 1.30000ml of S12473 + 1.30000ml of S12474 + 1.30000ml of S12475 + 1.30000ml of S12476 + 1.30000ml of S12477 + 1.30000ml of S12519 + 1.30000ml of S12520 + 1.30000ml of S12521 + 1.30000ml of S12522 + 1.30000ml of S12523 + 1.30000ml of S12524 + 1.30000ml of S12525 + 1.30000ml of S12963 + 1.30000ml of S12964 + 1.30000ml of S12965 + 163.00000ml of E3846 = Final Quantity: 200.000 ml

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

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
413	80 ng BNA ICC, 80 PPM	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

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

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
411	50 ng BNA ICC, 50 PPM	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

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

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3678	20 ng BNA ICC, 20 PPM	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

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

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
407	5 ng BNA ICC, 5 PPM	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

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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	0000243821	06/30/2025	04/30/2020 / RAJESH	04/28/2020 / RAJESH	E2865

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	07/01/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19510-5 / Sodium Hydroxide Pellets 2.5 Kg, Pk of 4	23B1556310	12/31/2025	12/04/2023 / Rajesh	12/01/2023 / Rajesh	E3657

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	04/04/2025	10/04/2024 / Rajesh	10/04/2024 / Rajesh	E3815

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24G0862003	05/09/2025	11/09/2024 / Rajesh	11/04/2024 / Rajesh	E3828

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	06/26/2025	12/26/2024 / Rajesh	12/13/2024 / Rajesh	E3846

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24K1762005	07/14/2025	01/14/2025 / Rajesh	12/27/2024 / Rajesh	E3871

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A0262002	07/30/2025	01/30/2025 / Rajesh	01/20/2025 / Rajesh	E3874

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	08/25/2025	02/25/2025 /	02/12/2025 / Rajesh	E3876

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24K1762005	08/14/2025	02/14/2025 / Rajesh	12/27/2024 / Rajesh	E3878

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	0000281827	06/02/2025	06/01/2022 /	04/05/2022 / william	M5173

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

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31615 / SV Mixture, GC/MS Tuning Mixture, CH2Cl2, 1mL,	A0182667	03/31/2025	01/15/2025 / Rahul	03/18/2022 / Christian	S10246

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555871 / Custom Standard, 4-nitrophenol Std [CS 5238-4]	A0185300	05/31/2025	01/29/2025 / anahy	05/18/2022 / Christian	S10397

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555868 / Custom Standard, Benzidine Std [CS 5328-1]	A0186373	06/30/2025	01/29/2025 / anahy	07/05/2022 / Christian	S10584

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0188108	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S10978

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0188108	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S10979

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0188108	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S10980

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11004

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11005

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11006

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11007

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11008

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11009

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	04/10/2025	10/10/2024 / anahy	12/28/2022 / Christian	S11010

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0187043	05/15/2025	11/15/2024 / Jagrut	02/06/2023 / Christian	S11074

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

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110094-02 / CLP Base/Neutral Surrogate Solution, 5000 mg/L, 1ml	506889	05/12/2025	11/12/2024 / Jagrut	08/11/2023 / Yogesh	S11495

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555872 / Custom Standard, pentachlorophenol Std [CS 5328-5]	A0201728	07/29/2025	01/29/2025 / anahy	11/09/2023 / Yogesh	S11650

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	06/26/2025	12/26/2024 / Jagrut	11/21/2023 / Rahul	S11781

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	07/29/2025	01/29/2025 / anahy	11/21/2023 / Rahul	S11782

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	07/29/2025	01/29/2025 / anahy	11/21/2023 / Rahul	S11783

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	07/29/2025	01/29/2025 / anahy	11/21/2023 / Rahul	S11784

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	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 #
CPI International	z-010223-01 / 1,4-Dioxane Solution, 2,000mg/L, 1ml	454157	05/12/2025	11/12/2024 / Jagrut	03/08/2024 / Rahul	S12114

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	04/30/2025	11/14/2024 / anahy	03/15/2024 / Rahul	S12142

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	04/30/2025	01/29/2025 / anahy	03/15/2024 / Rahul	S12143

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	04/30/2025	01/29/2025 / anahy	03/15/2024 / Rahul	S12144

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	04/30/2025	01/29/2025 / anahy	03/15/2024 / Rahul	S12145

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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]	A0203726	04/30/2025	01/29/2025 / anahy	03/15/2024 / Rahul	S12146

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	04/10/2025	10/10/2024 / anahy	03/15/2024 / Rahul	S12187

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	04/10/2025	10/10/2024 / anahy	03/15/2024 / Rahul	S12188

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	04/10/2025	10/10/2024 / anahy	03/15/2024 / Rahul	S12189

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	04/10/2025	10/10/2024 / anahy	03/15/2024 / Rahul	S12207

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

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-110381-01 / 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1ml	520963	07/30/2025	01/30/2025 / anahy	05/24/2024 / Rahul	S12270

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010442-07 / Benzaldehyde Solution, 1000 mg/L, 1.3 ml, (Maximum Expiration: 90 Days)	495833	05/12/2025	11/12/2024 / Jagrut	05/24/2024 / Rahul	S12276

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0206540	05/12/2025	11/12/2024 / anahy	05/30/2024 / Rahul	S12327

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	05/26/2025	11/26/2024 / Jagrut	07/23/2024 / RAHUL	S12470

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12471

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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	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12472

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12473

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12474

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12475

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12476

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12477

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12478

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12517

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	07/03/2025	01/03/2025 / Jagrut	07/23/2024 / RAHUL	S12518

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12519

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12520

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12521

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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	S12522

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12523

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12524

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12525

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0212266	07/21/2025	01/21/2025 / anahy	09/20/2024 / anahy	S12649

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0212266	08/25/2025	02/25/2025 / anahy	09/20/2024 / anahy	S12653

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110816-01 / Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL, (Maximum Expiration: 180 Days)	414127	06/21/2025	01/30/2025 / anahy	05/24/2024 / Rahul	S12791

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	07/29/2025	01/29/2025 / anahy	12/11/2024 / anahy	S12963

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	07/29/2025	01/29/2025 / anahy	12/11/2024 / anahy	S12964

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	07/29/2025	01/29/2025 / anahy	12/11/2024 / anahy	S12965

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	07/29/2025	01/29/2025 / anahy	12/11/2024 / anahy	S12966

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

CPI INTERNATIONAL

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Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010074-07	406703	≤ -10 °C	Methylene Chloride	3/30/2025	3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
3,3'-dichlorobenzidine	91-94-1	99.5	74.3.26P	989 ± 7.53

Received on
02/07/23
by
CG

S11084
to
S11088

*Not a certified value

Certified By: _____
Jacob Mulloy
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricllly.

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Manufacturer's Quality System
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by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-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 on 03/08/22 by CG S10242 to S10247

Catalog No. : 31615 **Lot No.:** A0182667

Description : GC/MS Tuning Mixture

GC/MS Tuning Mixture 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2025 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Pentachlorophenol **CAS #** 87-86-5 (Lot 211229RSR) **Purity** 99%	1,003.6 µg/mL	+/- 5.8897 µg/mL +/- 45.7132 µg/mL +/- 66.0037 µg/mL	Gravimetric Unstressed Stressed
2	DFTPP (Decafluorotriphenylphosphine) **CAS #** 5074-71-5 (Lot Q117-147) **Purity** 95%	1,006.6 µg/mL	+/- 5.9074 µg/mL +/- 45.8508 µg/mL +/- 66.2023 µg/mL	Gravimetric Unstressed Stressed
3	Benzidine **CAS #** 92-87-5 (Lot 211228JLM) **Purity** 99%	1,008.4 µg/mL	+/- 5.9179 µg/mL +/- 45.9318 µg/mL +/- 66.3193 µg/mL	Gravimetric Unstressed Stressed
4	4,4'-DDT **CAS #** 50-29-3 (Lot 210916JLM) **Purity** 99%	1,007.6 µg/mL	+/- 5.9132 µg/mL +/- 45.8954 µg/mL +/- 66.2667 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

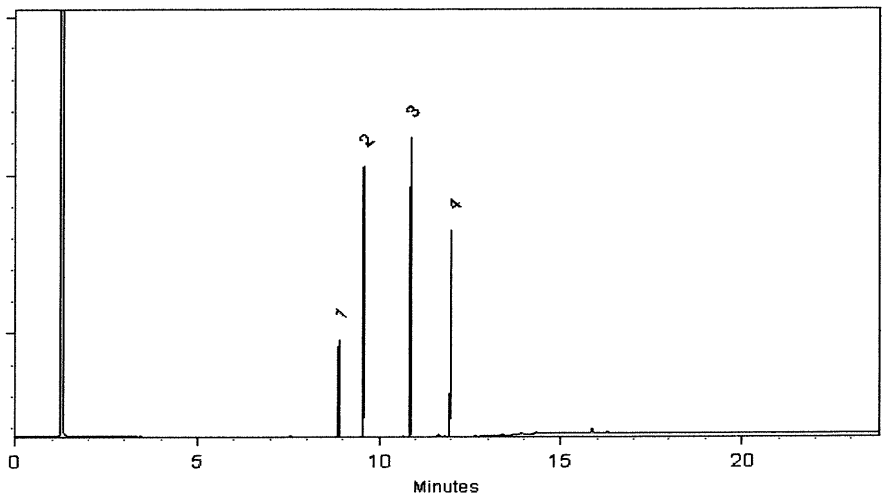
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 08-Mar-2022 **Balance:** B345965662

Merlina Cowan - Operations Tech I

Date Passed: 10-Mar-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by CG on 05/19/22

S10393 to S10402

Catalog No. : 555871 **Lot No.:** A0185300

Description : Custom 4-Nitrophenol Standard

Custom 4-Nitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2025 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	4-Nitrophenol	25,060.0 µg/mL	+/- 231.9100 µg/mL	Gravimetric
	CAS # 100-02-7 (Lot MKCN1089)		+/- 753.2622 µg/mL	Unstressed
	Purity 99%		+/- 905.6020 µg/mL	Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Katelyn McGinnis - Operations Tech I

Date Mixed: 16-May-2022 **Balance:** 1128342314

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

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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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Received on 02/06/23 by CG

S11071 to S11075

Catalog No. : 31853 **Lot No.:** A0187043

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	1,4-Dioxane	2,019.0 µg/mL	+/- 11.8486	µg/mL	Gravimetric
	CAS # 123-91-1 (Lot SHBN5929)		+/- 43.2570	µg/mL	Unstressed
	Purity 99%		+/- 44.5129	µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

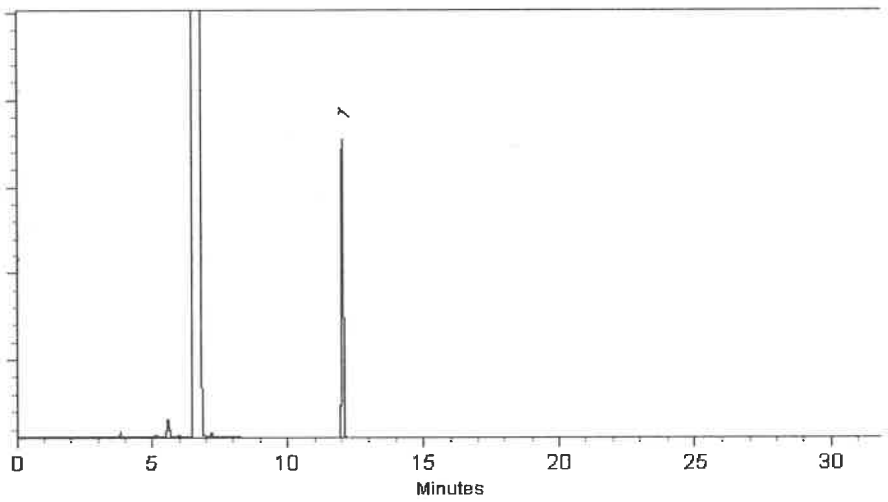
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brittany Federinko - Operations Tech I

Date Mixed: 07-Jul-2022 **Balance:** 1128360905

Marlina Cowan – Operations Tech II ARM QC

Date Passed: 12-Jul-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22 S10951 to S10980

Catalog No. : 31087 **Lot No.:** A0188108

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10,000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2030 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Fluorophenol **CAS #** 367-12-4 **Purity** 99%	(Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL +/- 294.4162 µg/mL +/- 357.2628 µg/mL		Gravimetric Unstressed Stressed
2	Phenol-d6 **CAS #** 13127-88-3 **Purity** 99%	(Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL +/- 293.0957 µg/mL +/- 355.6603 µg/mL		Gravimetric Unstressed Stressed
3	2,4,6-Tribromophenol **CAS #** 118-79-6 **Purity** 99%	(Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL +/- 292.1253 µg/mL +/- 354.4829 µg/mL		Gravimetric Unstressed Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

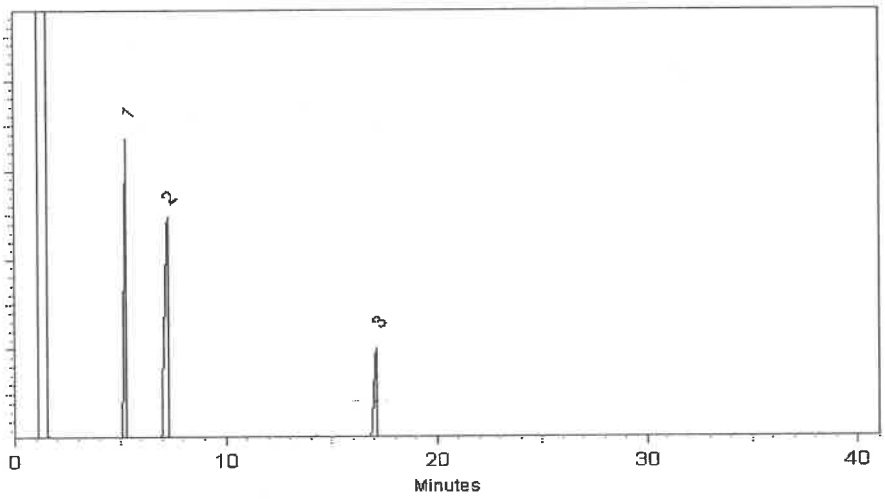
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22 S10951 to S10980

Catalog No. : 31087 **Lot No.:** A0188108

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10,000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2030 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Fluorophenol **CAS #** 367-12-4 **Purity** 99%	(Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL +/- 294.4162 µg/mL +/- 357.2628 µg/mL		Gravimetric Unstressed Stressed
2	Phenol-d6 **CAS #** 13127-88-3 **Purity** 99%	(Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL +/- 293.0957 µg/mL +/- 355.6603 µg/mL		Gravimetric Unstressed Stressed
3	2,4,6-Tribromophenol **CAS #** 118-79-6 **Purity** 99%	(Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL +/- 292.1253 µg/mL +/- 354.4829 µg/mL		Gravimetric Unstressed Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

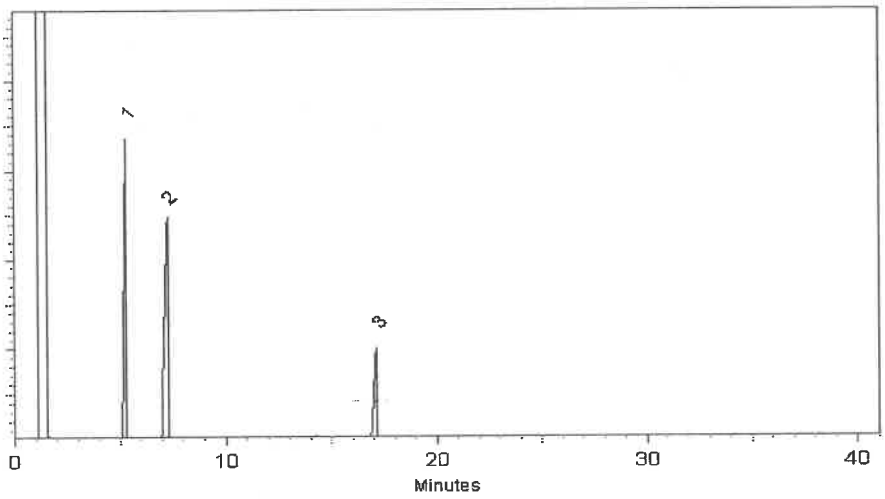
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22 S10951 to S10980

Catalog No. : 31087 **Lot No.:** A0188108

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10,000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2030 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2-Fluorophenol **CAS #** 367-12-4 **Purity** 99%	(Lot STBF3761V)	10,088.5 µg/mL	+/- 58.6554 µg/mL +/- 294.4162 µg/mL +/- 357.2628 µg/mL		Gravimetric Unstressed Stressed
2	Phenol-d6 **CAS #** 13127-88-3 **Purity** 99%	(Lot PR-31262)	10,043.3 µg/mL	+/- 58.3923 µg/mL +/- 293.0957 µg/mL +/- 355.6603 µg/mL		Gravimetric Unstressed Stressed
3	2,4,6-Tribromophenol **CAS #** 118-79-6 **Purity** 99%	(Lot MKCJ7664)	10,010.0 µg/mL	+/- 58.1990 µg/mL +/- 292.1253 µg/mL +/- 354.4829 µg/mL		Gravimetric Unstressed Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

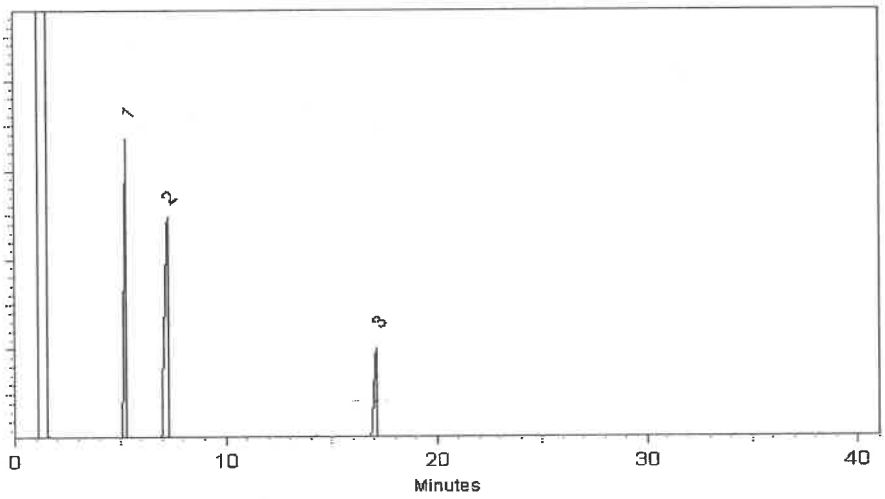
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 02-Aug-2022 **Balance:** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 05-Aug-2022

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Received by CG on 12/28/22 $10981 to $11010

Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00021384) **Purity** 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL +/- 226.4003 µg/mL +/- 251.2191 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

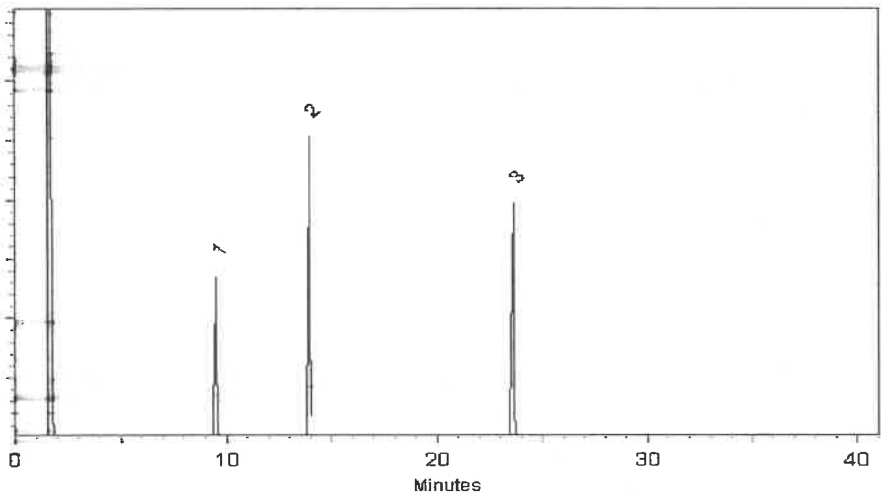
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22 $10981 to $11010

Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940A) **Purity** 99%	5,009.8 µg/mL	+/- 29.1271 µg/mL +/- 225.6421 µg/mL +/- 250.3778 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00021384) **Purity** 99%	5,026.6 µg/mL	+/- 29.2250 µg/mL +/- 226.4003 µg/mL +/- 251.2191 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

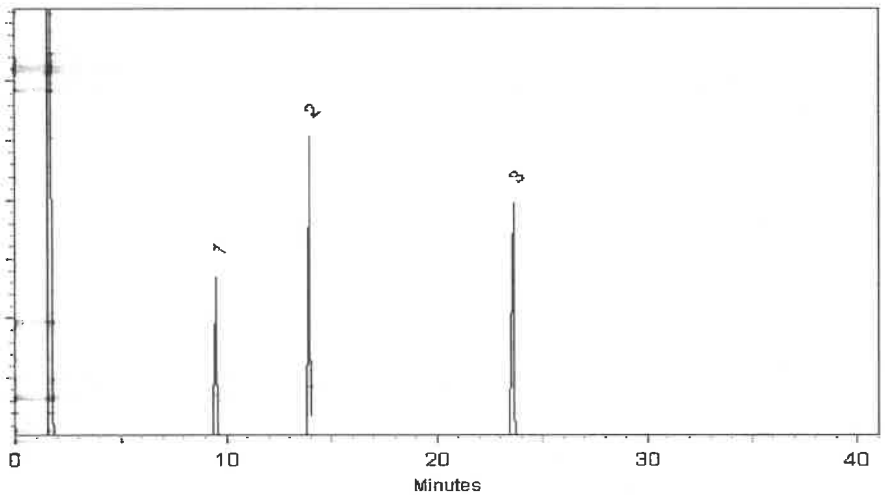
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Received by CG on 12/28/22 $10981 to $11010

Catalog No. : 31086 **Lot No.:** A0189418

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
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3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

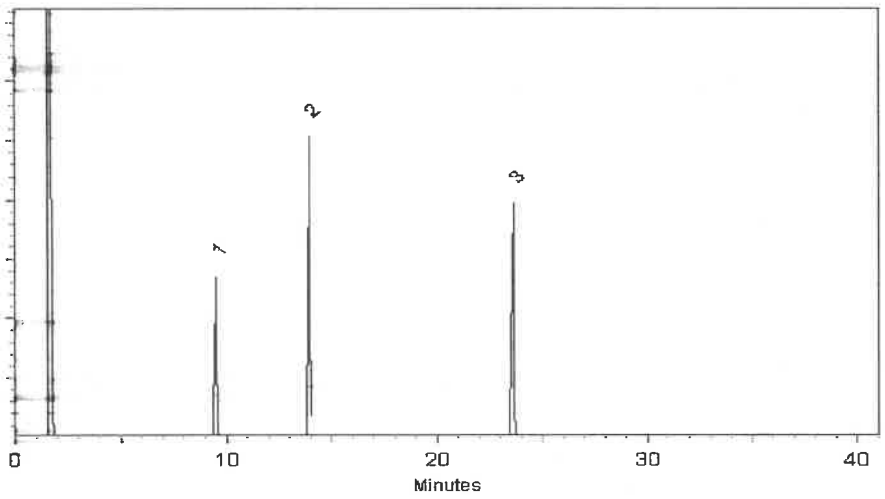
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
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3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
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Det. Temp:
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Det. Type:
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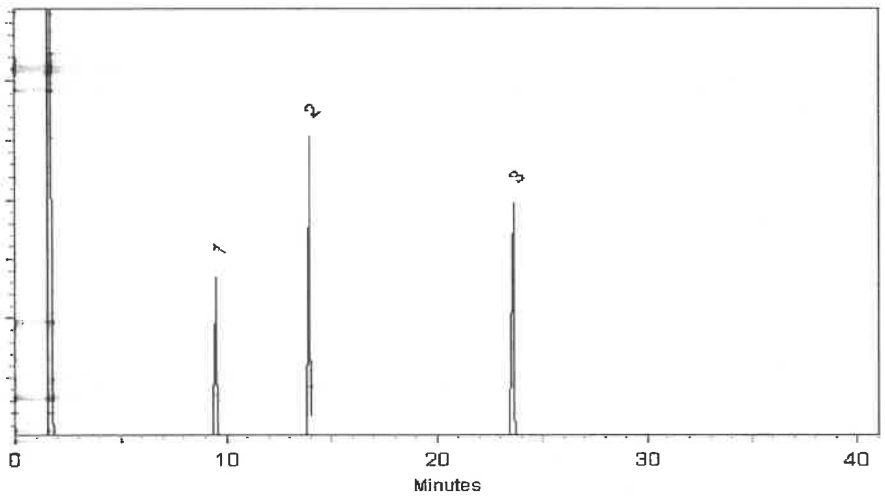

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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Container Size : 5 mL **Pkg Amt:** > 5 mL

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Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
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3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
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Rtx-5 (cat.#10223)

Carrier Gas:
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Temp. Program:
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Det. Temp:
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Det. Type:
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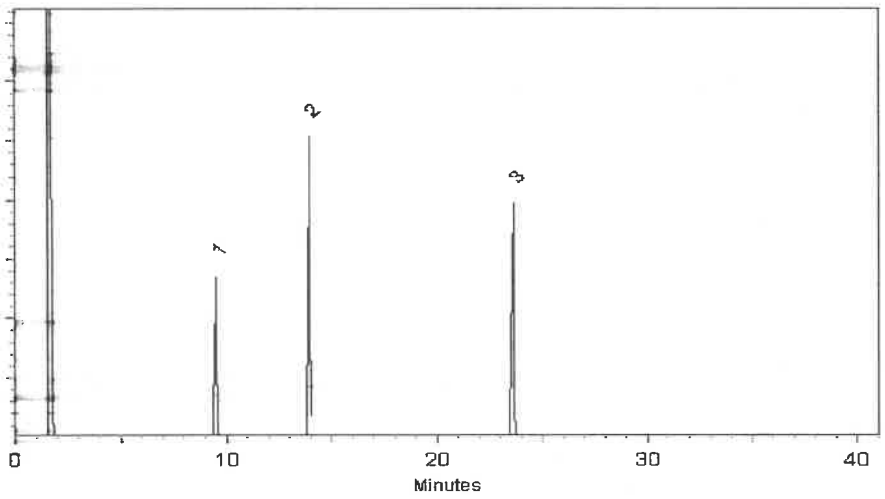

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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

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Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
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3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
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Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
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Temp. Program:
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Det. Type:
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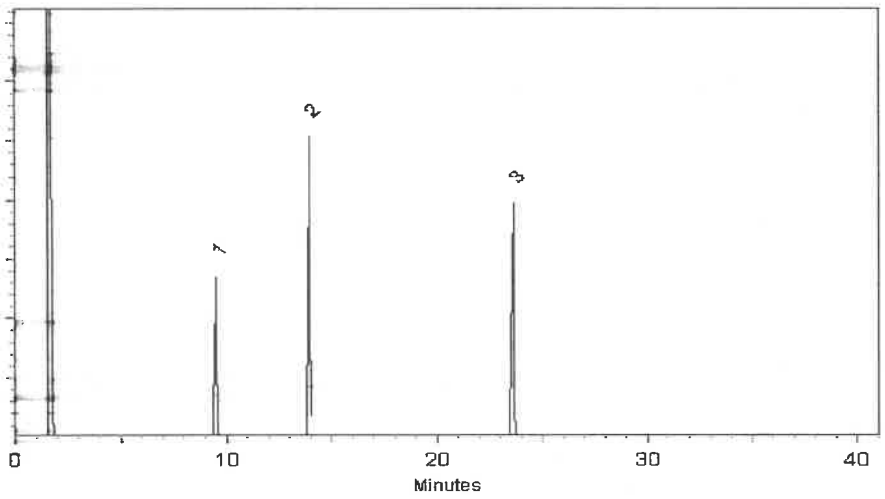

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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

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Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2028 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

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3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-30504) **Purity** 99%	5,027.3 µg/mL	+/- 29.2289 µg/mL +/- 226.4304 µg/mL +/- 251.2524 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
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Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
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Det. Type:
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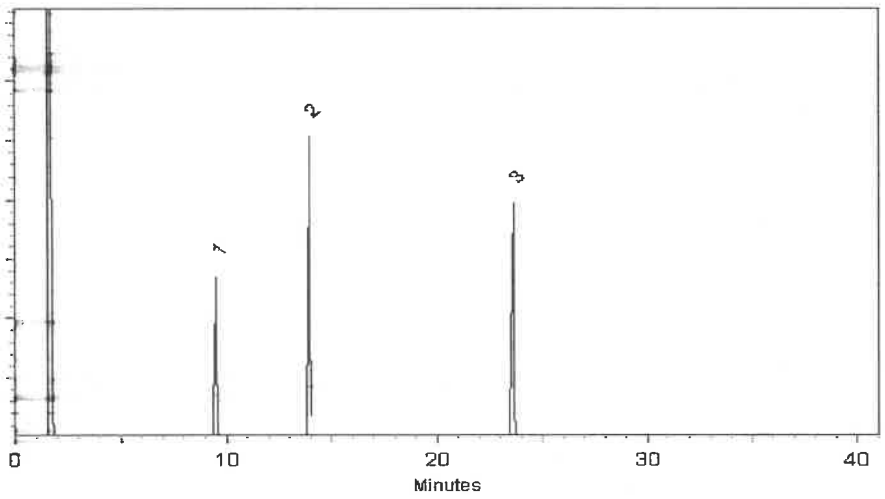

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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

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Catalog No. : 555869 **Lot No.:** A0194702

Description : Custom Hexachlorocyclopentadiene Standard

Custom Hexachlorocyclopentadiene Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)
1	Hexachlorocyclopentadiene	77-47-4	0012019	99%	25,008.0 µg/mL

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 15-Feb-2023 **Balance:** B442140311

Manufactured under Restek Registered Quality Certificate #FM

tified Reference Material Notes

:es:

n date valid for unopened ampul stored in compliance with the recommended conditions.

nty, concentration, and expiration of the CRM are based on the unopened product being stored according to the ended condition found in the storage field.

d/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, LC/MS, RI, and/or melting point.

nds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A n factor is used to calculate the amount of compound necessary to achieve the desired concentration of the mpound in solution.

isomeric compounds is reported as the sum of the isomers.

lues are rounded to the nearest whole number.

rtainty Value Notes:

rtainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded ty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability ty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

erage factor of 2, which gives a level of confidence of approximately 95%.

ged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure nimum packaged amount can be sufficiently transferred.

Notes:

tion is based upon gravimetric preparation using either a balance whose calibration has been verified daily traceable weights, and/or dilutions with Class A glassware.

:

the unopened product, when stored in compliance with the recommended conditions, is guaranteed through ion displayed on the product label and certificate. Contact Restek for additional opened product stability ı, with the knowledge/understanding that open product stability is subject to the specific handling and ntal conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with ards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom m. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, des complete instructions.

ssolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely

Sand
Purified
Washed and Ignited

avantor™ | J.T.Baker®

Material No.: 3382-05
Batch No.: 0000243821
Manufactured Date: 2018/04/09
Retest Date: 2025/04/07
Revision No: 1

Certificate of Analysis

Test	Specification	Result
Substances Soluble in HCl	<= 0.16 %	0.01

For Laboratory, Research or Manufacturing Use
Meets Reagent Specifications for testing USP/NF monographs

Country of Origin: US
Packaging Site: Paris Mfg Ctr & DC

E 2865

James T Ethier

Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO_4)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreing matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RG-02-01, Ed. 3

Recd. by RB on 7/24/23 E3551

VWR®

Certificate of Analysis

Sodium Hydroxide (Pellets)

Material: 0583
Grade: ACS GRADE
Batch Number: 23B1556310

Chemical Formula: NaOH
Molecular Weight: 40
CAS #: 1310-73-2
Appearance:

Pellets

Manufacture Date: 12/14/2022
Expiration Date: 12/31/2025

Storage: Room Temperature

TEST	SPECIFICATION	ANALYSIS	DISPOSITION
Calcium	<= 0.005 %	<0.005 %	PASS
Chloride	<= 0.005 %	0.002 %	PASS
Heavy Metals	<= 0.002 %	<0.002 %	PASS
Iron	<= 0.001 %	<0.001 %	PASS
Magnesium	<= 0.002 %	<0.002 %	PASS
Mercury	<= 0.1 ppm	<0.1 ppm	PASS
Nickel	<= 0.001 %	<0.001 %	PASS
Nitrogen Compounds	<= 0.001 %	<0.001 %	PASS
Phosphate	<= 0.001 %	<0.001 %	PASS
Potassium	<= 0.02 %	<0.02 %	PASS
Purity	>= 97.0 %	99.2 %	PASS
Sodium Carbonate	<= 1.0 %	0.5 %	PASS
Sulfate	<= 0.003 %	<0.003 %	PASS

Internal ID #: 710

Signature

We certify that this batch conforms to the specifications listed.

This document has been electronically produced and is valid without a signature.

Leona Edwardson, Quality Control Sr. Manager - Solon
VWR Chemicals, LLC.
28600 Fountain Parkway, Solon OH 44139 USA

Additional Information

Analysis may have been rounded to significant digits in specification limits.

Product meets analytical specifications of the grades listed.

E 3657	E 3659
E 3654	E 3660

PO: PO2-329 PRODUCT CODE: SHIP DATE: 9/30/2024

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3815

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 24J0862003
Manufactured Date: 2024-09-12
Expiration Date:2025-12-12
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	2
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3828

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date:2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

Recd by RP on 12/13/24

E 3846

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

12/9-1/24

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 24K1762005
Manufactured Date: 2024-10-08
Expiration Date:2026-01-07
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.5 ppm
Titrable Acid (µeq/g)	<= 0.3	0.0
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3871

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

PO: PO2-1178.2 PRODUCT CODE: SHIP DATE: 1/20/2025

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 25A0262002
Manufactured Date: 2024-11-21
Expiration Date:2026-02-20
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	4
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.8 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3874

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

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 2/12/25

E 3876

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

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 24K1762005
Manufactured Date: 2024-10-08
Expiration Date:2026-01-07
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.5 ppm
Titrable Acid (µeq/g)	<= 0.3	0.0
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3878

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

Material No.: 9530-33
Batch No.: 0000281827
Manufactured Date: 2021/03/30
Retest Date: 2026/03/29
Revision No: 1

Certificate of Analysis

Test	Specification	Result
ACS - Assay (as HCl) (by acid-base titrn)	36.5 - 38.0 %	37.6
ACS - Color (APHA)	<= 10	5
ACS - Residue after Ignition	<= 3 ppm	1
ACS - Specific Gravity at 60°/60°F	1.185 - 1.192	1.189
ACS - Bromide (Br)	<= 0.005 %	< 0.005
ACS - Extractable Organic Substances	<= 5 ppm	< 1
ACS - Free Chlorine (as Cl_2)	<= 0.5 ppm	< 0.5
Phosphate (PO_4)	<= 0.05 ppm	< 0.03
Sulfate (SO_4)	<= 0.5 ppm	< 0.3
Sulfite (SO_3)	<= 0.8 ppm	0.3
Ammonium (NH_4)	<= 3 ppm	< 1
Trace Impurities - Arsenic (As)	<= 0.010 ppm	< 0.003
Trace Impurities - Aluminum (Al)	<= 10.0 ppb	0.5
Arsenic and Antimony (as As)	<= 5 ppb	< 3
Trace Impurities - Barium (Ba)	<= 1.0 ppb	< 0.2
Trace Impurities - Beryllium (Be)	<= 1.0 ppb	< 0.2
Trace Impurities - Bismuth (Bi)	<= 10.0 ppb	< 1.0
Trace Impurities - Boron (B)	<= 20.0 ppb	< 5.0
Trace Impurities - Cadmium (Cd)	<= 1.0 ppb	< 0.3
Trace Impurities - Calcium (Ca)	<= 50.0 ppb	15.0
Trace Impurities - Chromium (Cr)	<= 1.0 ppb	< 0.4
Trace Impurities - Cobalt (Co)	<= 1.0 ppb	< 0.3
Trace Impurities - Copper (Cu)	<= 1.0 ppb	< 0.1
Trace Impurities - Gallium (Ga)	<= 1.0 ppb	< 0.2

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Material No.: 9530-33
Batch No.: 0000281827

Test	Specification	Result
Trace Impurities - Germanium (Ge)	<= 3.0 ppb	< 2.0
Trace Impurities - Gold (Au)	<= 4.0 ppb	3.0
Heavy Metals (as Pb)	<= 100 ppb	< 50
Trace Impurities - Iron (Fe)	<= 15.0 ppb	1.0
Trace Impurities - Lead (Pb)	<= 1.0 ppb	< 0.5
Trace Impurities - Lithium (Li)	<= 1.0 ppb	< 0.2
Trace Impurities - Magnesium (Mg)	<= 10.0 ppb	< 0.4
Trace Impurities - Manganese (Mn)	<= 1.0 ppb	< 0.4
Trace Impurities - Mercury (Hg)	<= 0.5 ppb	0.2
Trace Impurities - Molybdenum (Mo)	<= 10.0 ppb	< 5.0
Trace Impurities - Nickel (Ni)	<= 4.0 ppb	< 0.3
Trace Impurities - Niobium (Nb)	<= 1.0 ppb	< 0.2
Trace Impurities - Potassium (K)	<= 9.0 ppb	< 2.0
Trace Impurities - Selenium (Se), For Information Only	ppb	1.0
Trace Impurities - Silicon (Si)	<= 100.0 ppb	18.0
Trace Impurities - Silver (Ag)	<= 1.0 ppb	< 0.3
Trace Impurities - Sodium (Na)	<= 100.0 ppb	< 5.0
Trace Impurities - Strontium (Sr)	<= 1.0 ppb	< 0.2
Trace Impurities - Tantalum (Ta)	<= 1.0 ppb	< 0.9
Trace Impurities - Thallium (Tl)	<= 5.0 ppb	< 2.0
Trace Impurities - Tin (Sn)	<= 5.0 ppb	< 0.8
Trace Impurities - Titanium (Ti)	<= 1.0 ppb	< 0.2
Trace Impurities - Vanadium (V)	<= 1.0 ppb	< 0.2
Trace Impurities - Zinc (Zn)	<= 5.0 ppb	0.4
Trace Impurities - Zirconium (Zr)	<= 1.0 ppb	< 0.1

For Laboratory, Research or Manufacturing Use
Product Information (not specifications):
Appearance (clear, fuming liquid)
Meets ACS Specifications

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

RESTEK

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

S11484 ↓ S11493 Y.P. 08/10/23

Catalog No. : 555870 **Lot No.:** A0200549

Description : Custom 2,4-Dinitrophenol Standard

Custom 2,4-Dinitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	25,008.0 µg/mL	+/- 777.3323

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Tom Suckar - Mix Technician

Date Mixed: 02-Aug-2023 **Balance:** 1128342314

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110094-02	506889	≤ -10 °C	Methylene Chloride	7/25/2028	CLP Base/Neutral Surrogate Solution, 5,000 mg/L, 1 ml

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2-dichlorobenzene-d_4	2199-69-1	99.7	247.29.3P	5035 ± 28.02
2-fluorobiphenyl	321-60-8	99.69	8.286.1.1P	4999 ± 103.66
nitrobenzene-d5	4165-60-0	99.67	7.9.3P	4988 ± 27.32
p-terphenyl-d14	1718-51-0	99.3	9.120.8P	5005 ± 27.85

511494 to 511498 } Y.P. 08/11/2023

*Not a certified value

Certified By: _____

Clint Tipton
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

RESTEK
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.

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.
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Purity Notes:

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- 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:

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$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
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Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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Certificate of Analysis

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ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

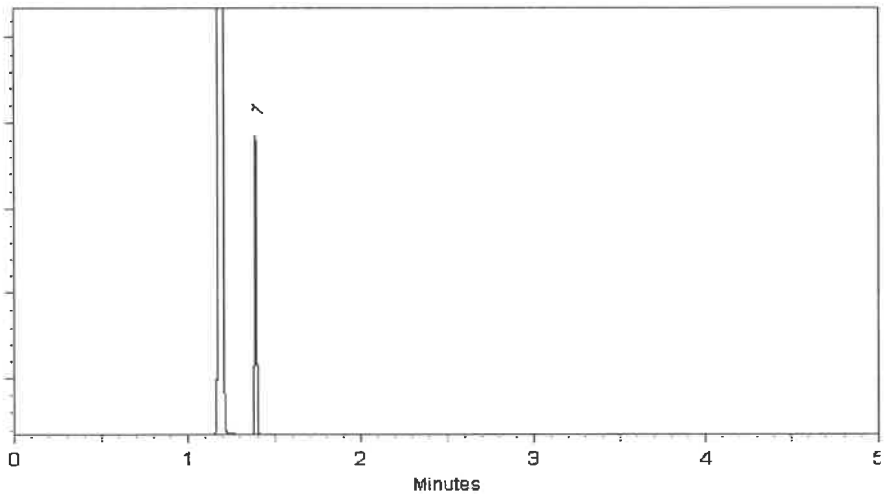
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

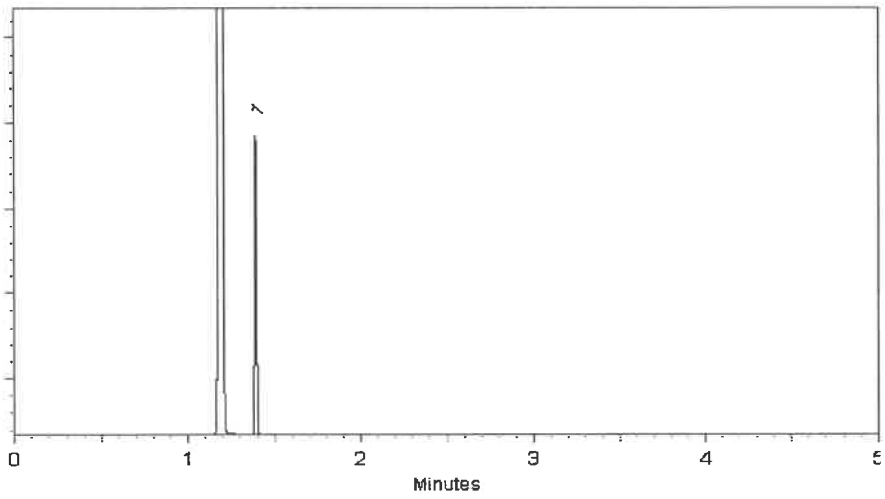
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

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Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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Column:
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Det. Temp:
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Det. Type:
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Split Vent:
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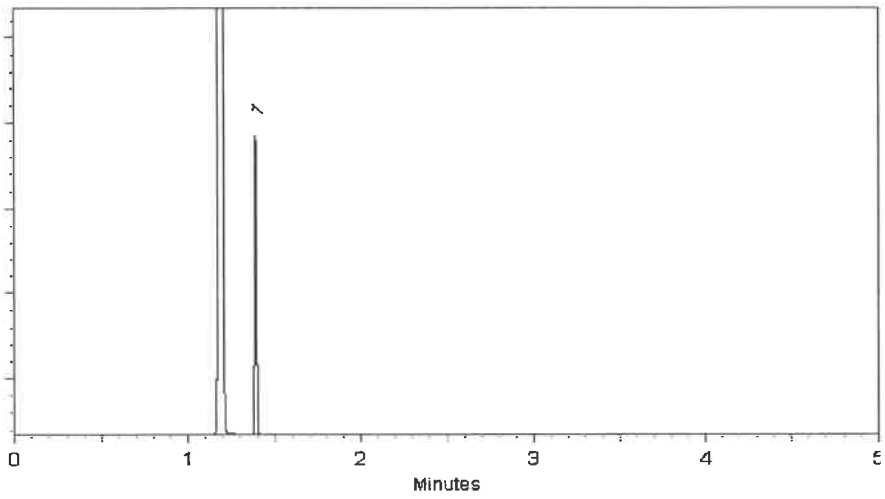
Inj. Vol
1µl



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Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

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Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

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Temp. Program:
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Det. Temp:
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Det. Type:
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Split Vent:
100 ml/min.

Inj. Vol
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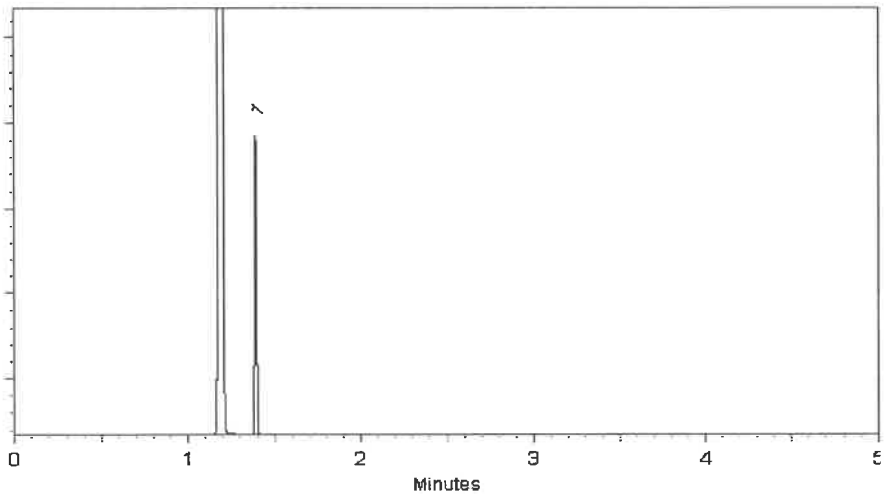

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Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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S11749 ↓ S11794 RC 11/30/23

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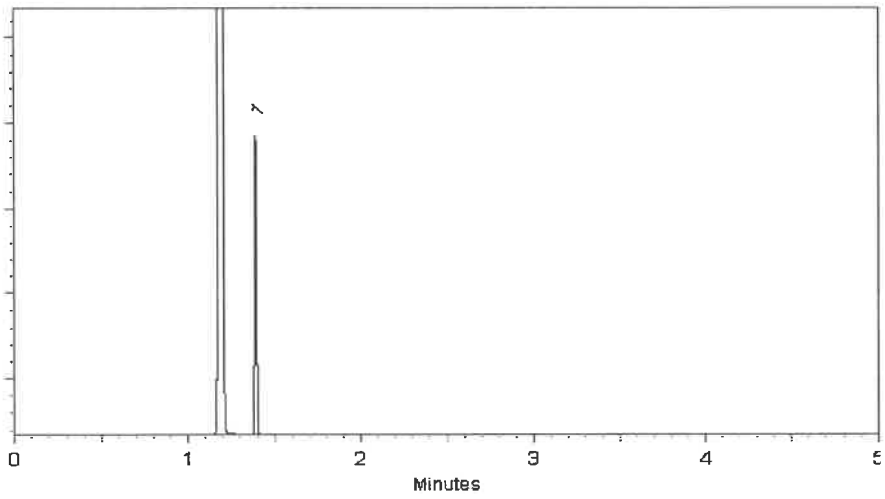

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Date Passed: 31-Mar-2023

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CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-020223-01	454157	≤ -10 °C	P/T Methanol	6/10/2026	1,4-Dioxane Solution, 2000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,4-dioxane	123-91-1	100	223.1.3P	1997 ± 57.08

S12112 ↓ S12116 } RC/ 03/08/24

*Not a certified value

Certified By: Melissa Workoff

Melissa Workoff
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

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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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

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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
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8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
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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. : 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%

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

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

S12187 ↓ S12206 } RC/ 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

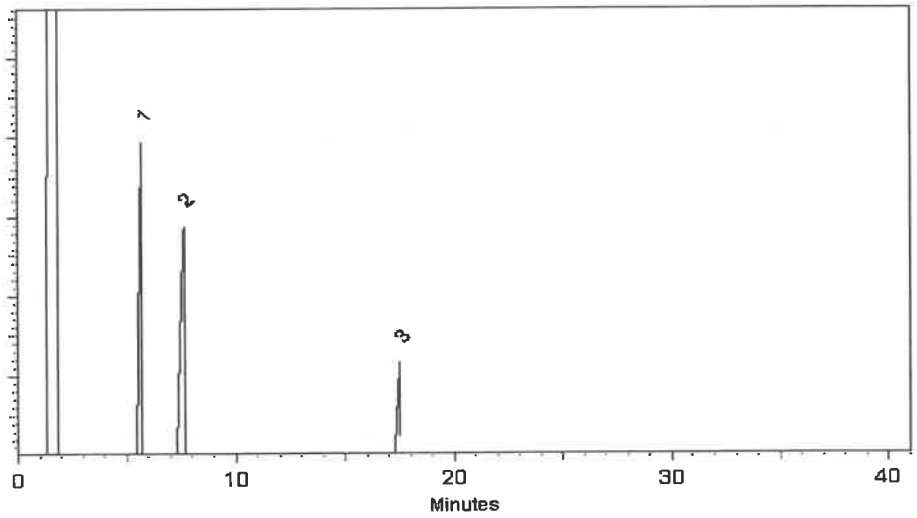
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

S12187 ↓ S12206 } RC/ 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

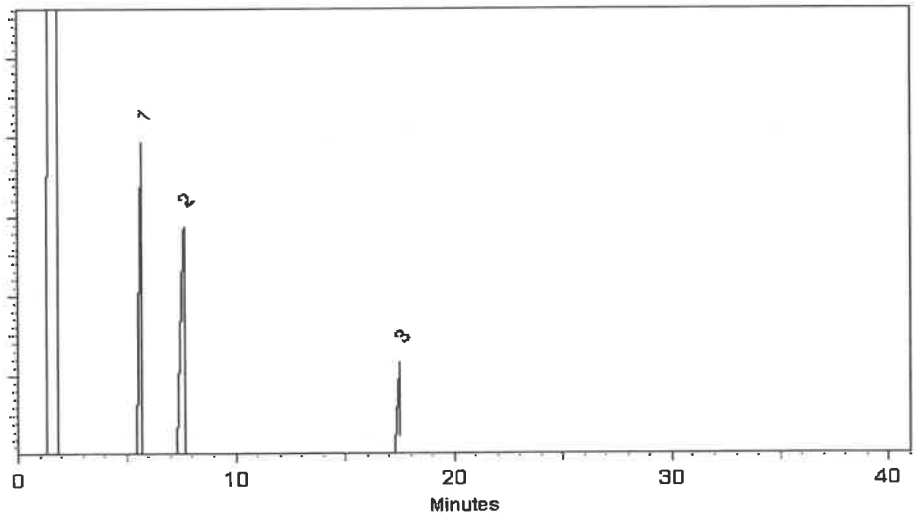
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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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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

S12187 ↓ S12206 } RC/ 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

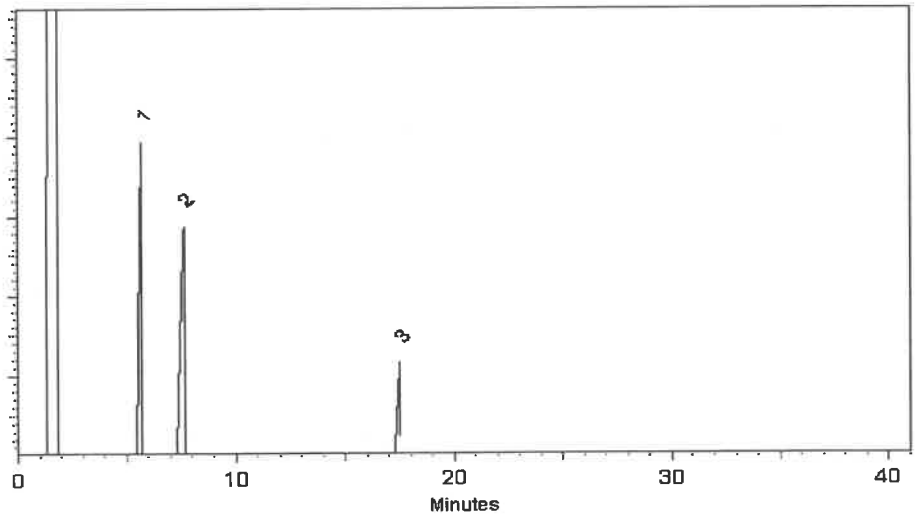
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

S12207 ↓ S12221 RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

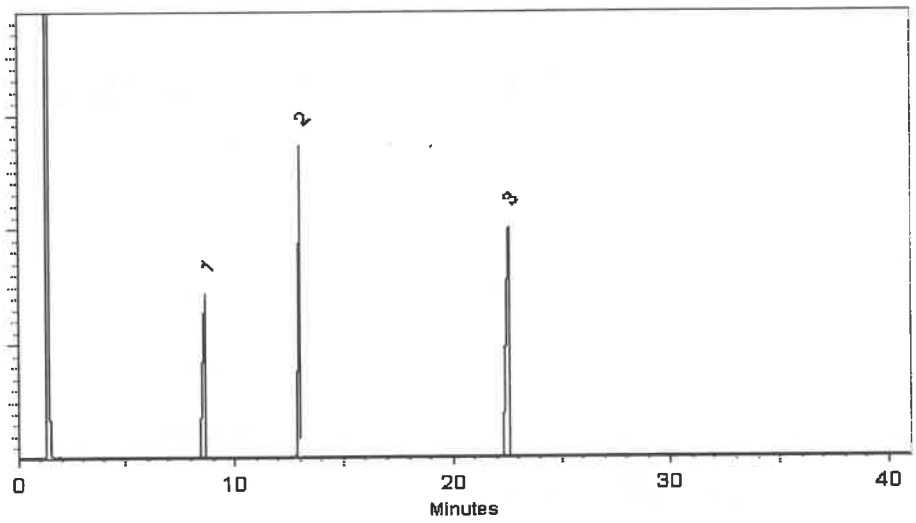
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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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.)

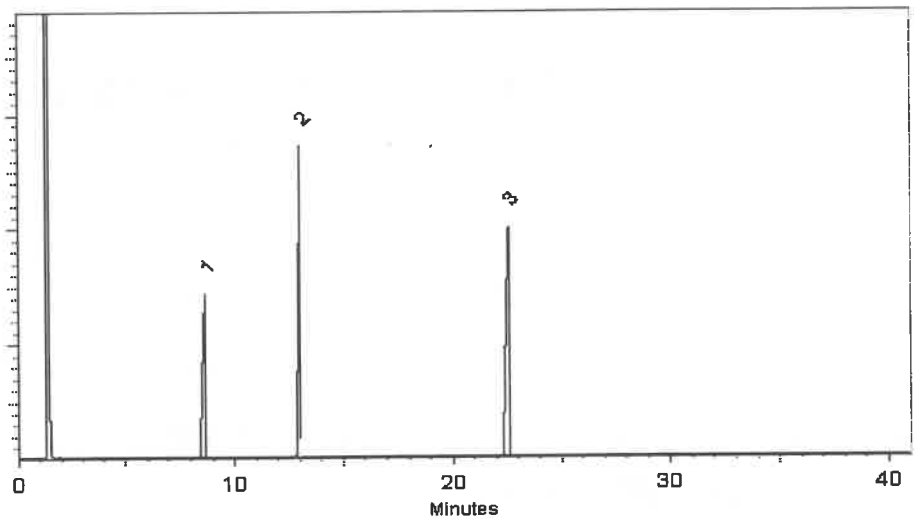
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110381-01	520963	≤ -10 °C	Methylene Chloride	10/10/2028	Method 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acenaphthene	83-32-9	99.9	13.1.5P	1010 ± 9.89
acenaphthylene	208-96-8	97.6	14.290.1P	1014 ± 9.93
aniline	62-53-3	99.97	64.1.4P	1001 ± 9.8
anthracene	120-12-7	99.5	15.7.1P	999.6 ± 9.79
azobenzene	103-33-3	98.1	252.7.2P	999.1 ± 9.8
benzo[a]anthracene	56-55-3	100	16.7.3P	1007 ± 9.86
benzo[b]fluoranthene	205-99-2	99.8	17.421.3P	1011 ± 14.11
benzo[k]fluoranthene	207-08-9	98.9	18.421.4P	1001 ± 10.96
benzo[ghi]perylene	191-24-2	93	19.286.4P	999.6 ± 13.95
benzo[a]pyrene	50-32-8	97	20.286.2P	999.9 ± 22.24
benzyl alcohol	100-51-6	99.9	65.18.1P	1001 ± 9.82
bis(2-chloroethoxy)methane	111-91-1	99.1	31.3.15P	1000 ± 14.69
bis(2-chloroethyl)ether	111-44-4	99.8	32.7.1P	1003 ± 13.89
bis(2-chloro-1-methylethyl) ether	108-60-1	99.5	34.3.15P	999.4 ± 14.68
bis(2-ethylhexyl)adipate	103-23-1	99.5	874.7.1P	999.5 ± 9.8
bis(2-ethylhexyl)phthalate	117-81-7	99.4	33.29.1P	998.8 ± 17.03
4-bromophenyl phenyl ether	101-55-3	99.4	35.7.1.1P	1000 ± 13.85
butyl benzyl phthalate	85-68-7	98.4	36.1.6P	984.7 ± 16.79
carbazole	86-74-8	99.4	239.7.2P	1000 ± 9.8

S12270 ↓ S12274 } RC 05/24/24

*Not a certified value

Kerry E Kane

Certified By: _____

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
4-chloroaniline	106-47-8	100	66.7.1P	1000 ± 9.79
4-chlorophenylphenyl ether	7005-72-3	98	37.158.2P	1001 ± 17.07
4-chloro-3-methylphenol	59-50-7	99	102.1.2P	1006 ± 17.16
2-chloronaphthalene	91-58-7	99.9	42.7.6P	1000 ± 9.79
2-chlorophenol	95-57-8	99.8	103.7.1P	1007 ± 13.96
chrysene	218-01-9	96	21.286.2P	998.4 ± 12.85
dibenz[a,h]anthracene	53-70-3	99.44	22.286.3P	1000 ± 9.74
dibenzofuran	132-64-9	100	67.7.2.1P	1002 ± 9.77
di-n-butyl phthalate	84-74-2	99.84	40.286.1P	1007 ± 24.48
1,2-dichlorobenzene	95-50-1	99.8	43.7.1P	1000 ± 9.79
1,3-dichlorobenzene	541-73-1	99.5	44.1.3P	999.4 ± 9.79
1,4-dichlorobenzene	106-46-7	99.9	45.29.2P	1000 ± 9.79
2,4-dichlorophenol	120-83-2	99.6	104.7.1.1P	1005 ± 13.93
diethyl phthalate	84-66-2	99.8	38.7.1P	1011 ± 14
2,4-dimethylphenol	105-67-9	99.6	105.7.1.1P	1009 ± 13.98
dimethyl phthalate	131-11-3	99.9	39.9.2P	996.5 ± 13.8
1,2-dinitrobenzene	528-29-0	99.86	86.7.3.1P	999.5 ± 9.75
1,3-dinitrobenzene	99-65-0	100	313.7.2P	998 ± 9.79
1,4-dinitrobenzene	100-25-4	100	907.7.1P	999.5 ± 9.8
2,4-dinitrophenol	51-28-5	99.9	106.1.6DP	1002 ± 13.89
2,4-dinitrotoluene	121-14-2	100	87.7.3P	999.8 ± 13.85
2,6-dinitrotoluene	606-20-2	99.4	88.7.2.1P	999.6 ± 13.85
di-n-octyl phthalate	117-84-0	99.1	41.7.5P	991.6 ± 13.74
diphenylamine	122-39-4	100	78.1.6P	998 ± 13.79
2,3,5,6-tetrachlorophenol	935-95-5	97	1112.286.1P	1004 ± 14.02
fluoranthene	206-44-0	98.6	23.7.4P	999.6 ± 9.79
fluorene	86-73-7	98.4	24.7.1P	999.7 ± 9.79

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
hexachlorobenzene	118-74-1	99	46.158.4P	999.9 ± 13.96
hexachlorobutadiene	87-68-3	97.4	47.1.4P	1000 ± 9.79
hexachlorocyclopentadiene	77-47-4	99.2	48.2.2P	1001 ± 9.8
hexachloroethane	67-72-1	99.9	49.1.4P	1003 ± 9.82
indeno[1,2,3-cd]pyrene	193-39-5	98	25.286.4P	999.4 ± 22.23
isophorone	78-59-1	98.9	90.1.4P	999.9 ± 13.85
2-methyl-4,6-dinitrophenol	534-52-1	99.6	107.421.2DP	991 ± 24.09
1-methylnaphthalene	90-12-0	97.1	249.7.5P	999.2 ± 13.95
2-methylnaphthalene	91-57-6	97.4	68.7.2P	1006 ± 22.38
2-methylphenol	95-48-7	99.6	114.7.3P	1001 ± 13.87
3-methylphenol	108-39-4	99.1	115.7.4P	499.7 ± 6.92
4-methylphenol	106-44-5	99.5	116.7.1P	501.2 ± 6.94
naphthalene	91-20-3	99.8	26.9.1P	1018 ± 9.97
2-nitroaniline	88-74-4	99.7	69.29.1P	999.6 ± 9.79
3-nitroaniline	99-09-2	100	70.7.3P	1000 ± 9.74
4-nitroaniline	100-01-6	99.7	71.29.1P	1001 ± 9.8
nitrobenzene	98-95-3	100	94.7.1P	1000 ± 13.85
2-nitrophenol	88-75-5	99.1	108.29.1P	996.5 ± 13.81
4-nitrophenol	100-02-7	100	109.7.1P	1000 ± 13.82
N-nitrosodimethylamine	62-75-9	99.5	57.3.19P	998.5 ± 14.67
N-nitrosodi-n-propylamine	621-64-7	99.8	59.286.1P	996.8 ± 17
pentachlorophenol	87-86-5	99	110.1.7P	1004 ± 13.92
phenanthrene	85-01-8	99.7	27.1.5P	999 ± 12.87
phenol	108-95-2	100	112.7.1P	998.5 ± 13.8
pyrene	129-00-0	99.2	28.9.2P	998.9 ± 9.78
pyridine	110-86-1	100	101.24.1P	999 ± 9.73
2,3,4,6-Tetrachlorophenol	58-90-2	91.8	120.421.1P	996.5 ± 13.92

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2,4-trichlorobenzene	120-82-1	99.6	54.29.1P	999.6 ± 9.79
2,4,5-trichlorophenol	95-95-4	96.5	121.7.1.1P	999.5 ± 13.85
2,4,6-trichlorophenol	88-06-2	99.6	113.7.1P	996 ± 13.8

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

CPI INTERNATIONAL

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Manufacturer's Quality System
Audited & Registered
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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Certificate of Analysis

chromatographic plus

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

S12312 ↓ S12331 } RC/ 05/30/24

Catalog No. : 31206 **Lot No.:** A0206540

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,007.1 µg/mL	+/- 90.4025
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,005.9 µg/mL	+/- 90.3454
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,007.9 µg/mL	+/- 90.4385
4	Phenanthrene-d10	1517-22-2	PR-32303	99%	2,006.7 µg/mL	+/- 90.3845
5	Chrysene-d12	1719-03-5	PR-32210	99%	2,015.5 µg/mL	+/- 90.7778
6	Perylene-d12	1520-96-3	PR-33205	99%	2,014.7 µg/mL	+/- 90.7448

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

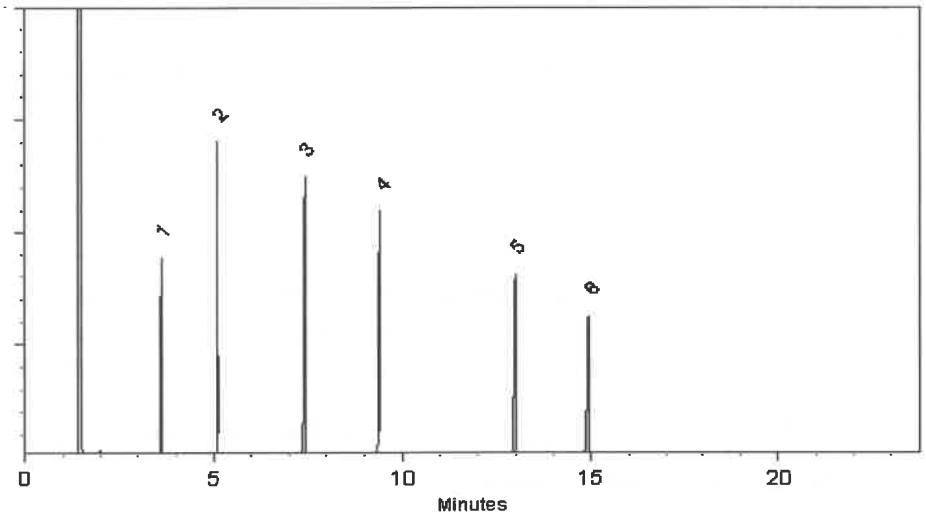
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Malina Homan - Operations Technician I

Date Mixed: 12-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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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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- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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110 Benner Circle
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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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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
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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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

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3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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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. : 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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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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Solvent: Methylene chloride
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Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

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Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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S12509 ↓ S12568 } RC/ 7/24/24

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Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

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.

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

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0212266

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.6 µg/mL	+/- 90.1075
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.3 µg/mL	+/- 90.0925
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.4 µg/mL	+/- 90.1000
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.5 µg/mL	+/- 90.1037
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.7 µg/mL	+/- 90.1112
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.6 µg/mL	+/- 90.1075

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12645 ↓ S12674 AC 10/1/24

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0212266

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.6 µg/mL	+/- 90.1075
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.3 µg/mL	+/- 90.0925
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.4 µg/mL	+/- 90.1000
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.5 µg/mL	+/- 90.1037
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.7 µg/mL	+/- 90.1112
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.6 µg/mL	+/- 90.1075

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12645 ↓ S12674 AC 10/1/24

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110816-01	414127	≤-10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
atrazine	1912-24-9	99.5	337.7.3P	997 ± 5.81
benzidine	92-87-5	99.9	124.18.6.2P	991.8 ± 5.77
caprolactam	105-60-2	99.9	271.1.6P	999 ± 5.82

~~S12280~~ ↓ ~~S12284~~ RCI 05/24/24

New numbers Generated.

S12790 ↓ S12794 RCI 11/12/24

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____
Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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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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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.

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. 01514
COC Number 2046198

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Gannett Fleming
ADDRESS: 610 Adams Ave
CITY Audubon STATE: PA ZIP: 19405
ATTENTION: Joe Krupansky
PHONE: 610-301-8342 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Amtrak Procurement of SB
PROJECT NO: 9500 000818 LOCATION: Kearny, NJ
PROJECT MANAGER: Joe Krupansky
e-mail: QAQC@BEMSYS.COM
PHONE: 610-301-8342 FAX:

CLIENT BILLING INFORMATION

BILL TO: Alliance PO#:
ADDRESS: 284 Sheffield St
CITY Mountainside STATE: NJ ZIP: 07092
ATTENTION: Samantha Beasley PHONE: 908-789-3148

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): 10 DAYS*
EDD: 10 DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☒ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☐ NYS ASP A ☐ NYS ASP B
☐ Other _____
☐ EDD FORMAT BEM EDD

ANALYSIS

1. PCBs
2. TAL Metals
3. TCL - VOC + 10
4. Cr(VI) Cr(III)
5. TCL - SVOCs - BN+20
6. EPH
7. RCRA
8. TCLP
9.

PRESERVATIVES

COMMENTS

← Specify Preservatives
A-HCl D-NaOH
B-HN03 E-ICE
C-H2SO4 F-OTHER

	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
1.		ENV-105-SB01	S		X	3/5/25	745	9	X	X	X	X	X	X	X	X	
2.		ENV-105-SB02	S		X		800	9			X	X	X	X	X	X	
3.		ENV-105-GW01	GW		X		815	8			X	X	X	X			
4.		ENV-103-SB01	S		X		1025	9			X	X	X	X	X	X	
5.		ENV-103-GW01	GW		X	↓	1040	8	↓	↓	X	X	X	X			
6.		FB03062025	W			3/6/25			X	X	X	X	X	X			
7.		TB03062025				NA	NA				X						
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

	DATE/TIME		DATE/TIME
RELINQUISHED BY SAMPLER: 1.	1205 3-6-25	RECEIVED BY: 1.	1205 3-6-25
RELINQUISHED BY SAMPLER: 2.	DATE/TIME:	RECEIVED BY: 2.	
RELINQUISHED BY SAMPLER: 3.	DATE/TIME: 1515 3-6-25	RECEIVED BY: 3.	

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.9 °C
Comments:

Page _____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

QA Control Code: A2070148

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1514 PORT06
Client Name : Portal Partners Tri-Venture
Client Contact : Joseph Krupansky
Invoice Name : Portal Partners Tri-Venture
Invoice Contact : Joseph Krupansky

Order Date : 3/6/2025 2:08:00 PM
Project Name : Amtrak Sawtooth Bridges 2
Receive DateTime : 3/6/2025 ~~12:00:00~~ AM 15:15
Purchase Order :

Project Mgr :
Report Type : NJ Reduced
EDD Type : EXCEL NJCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1514-01	ENV-105-SB01	Solid	03/05/2025	07:45					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1514-03	ENV-105-SB02	Solid	03/05/2025	08:00					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1514-05	ENV-103-SB01	Solid	03/05/2025	10:25					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q1514-07	ENV-105-GW01	Water	03/05/2025	08:15					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q1514-08	ENV-103-GW01	Water	03/05/2025	10:40					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q1514-09	FB03062025	Water	~~03/05/2025~~ 03/06/2025	00:00					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q1514-10	TB03062025	Water	03/05/2025	00:00					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days

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

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Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

Relinguished By
Date / Time : 3-6-25 1617

Received By :
Date / Time : 3.6.25 16:17

Storage Area : VOA Refridgerator Room