

Cover Page

Order ID : Q1938

Project ID : Stan Hope

Client : Saxton Falls Sand and Gravel Co. Inc.

Lab Sample Number

Q1938-01
Q1938-02
Q1938-03
Q1938-04
Q1938-05
Q1938-06
Q1938-07
Q1938-08

Client Sample Number

LOWER-WALL-PILE-A
LOWER-WALL-PILE-A
LOWER-WALL-PILE-B
LOWER-WALL-PILE-B
LOWER-WALL-PILE-C
LOWER-WALL-PILE-C
LOWER-WALL-PILE-D
LOWER-WALL-PILE-D

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: 5/10/2025

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 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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1938

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 Custody

✓

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: PRATIK PATEL

Date: 05/10/2025

LAB CHRONICLE

OrderID:	Q1938	OrderDate:	5/1/2025 2:05:00 PM
Client:	Saxton Falls Sand and Gravel Co. Inc.	Project:	Stan Hope
Contact:	Rich Schindelar	Location:	L41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1938-01	LOWER-WALL-PILE-A	SOIL	SVOC-TCL BNA -20	8270E	05/01/25	05/05/25	05/07/25	05/01/25
Q1938-03	LOWER-WALL-PILE-B	SOIL	SVOC-TCL BNA -20	8270E	05/01/25	05/05/25	05/06/25	05/01/25
Q1938-05	LOWER-WALL-PILE-C	SOIL	SVOC-TCL BNA -20	8270E	05/01/25	05/05/25	05/06/25	05/01/25
Q1938-07	LOWER-WALL-PILE-D	SOIL	SVOC-TCL BNA -20	8270E	05/01/25	05/05/25	05/06/25	05/01/25

Hit Summary Sheet SW-846

SDG No.: Q1938
Client: Saxton Falls Sand and Gravel Co. Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	LOWER-WALL-PILE-A							
Q1938-01	LOWER-WALL-PILE-A	SOIL	Fluoranthene	100.000	J	32.2	180	ug/Kg
Q1938-01	LOWER-WALL-PILE-A	SOIL	Pyrene	100.000	J	38.6	180	ug/Kg
Q1938-01	LOWER-WALL-PILE-A	SOIL	Benzo(b)fluoranthene	100.000	J	20.4	180	ug/Kg
Total Svoc :				300.00				
Q1938-01	LOWER-WALL-PILE-A	SOIL	(E)-3-Methyl-5-((1R,4aR,8aR)-5,4'- * (E)-4-(3-Hydroxyprop-1-en-1-yl)- *	84.100	J	0	0	ug/Kg
Q1938-01	LOWER-WALL-PILE-A	SOIL	(E)-4-(3-Hydroxyprop-1-en-1-yl)- *	110.000	J	0	0	ug/Kg
Q1938-01	LOWER-WALL-PILE-A	SOIL	13-Docosen-1-ol, (Z)- *	110.000	J	0	0	ug/Kg
Q1938-01	LOWER-WALL-PILE-A	SOIL	2-Methylpentacosane *	680.000	J	0	0	ug/Kg
Q1938-01	LOWER-WALL-PILE-A	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	170.000	AB	0	0	ug/Kg
Q1938-01	LOWER-WALL-PILE-A	SOIL	2-Pentenoic acid, 5-(decahydro-5, *	1,900.000	J	0	0	ug/Kg
Q1938-01	LOWER-WALL-PILE-A	SOIL	Benzophenone *	200.000	J	0	0	ug/Kg
Q1938-01	LOWER-WALL-PILE-A	SOIL	Cyclopentane, (4-octyldodecyl)- *	330.000	J	0	0	ug/Kg
Q1938-01	LOWER-WALL-PILE-A	SOIL	Cyclotetracosane *	230.000	J	0	0	ug/Kg
Q1938-01	LOWER-WALL-PILE-A	SOIL	Heptacosane *	420.000	J	0	0	ug/Kg
Q1938-01	LOWER-WALL-PILE-A	SOIL	Heptadecane, 9-octyl- *	1,300.000	J	0	0	ug/Kg
Q1938-01	LOWER-WALL-PILE-A	SOIL	Hexacosane *	810.000	J	0	0	ug/Kg
Q1938-01	LOWER-WALL-PILE-A	SOIL	Hexadecane, 1-iodo- *	860.000	J	0	0	ug/Kg
Q1938-01	LOWER-WALL-PILE-A	SOIL	n-Hexadecanoic acid *	1,100.000	J	0	0	ug/Kg
Q1938-01	LOWER-WALL-PILE-A	SOIL	Nonadecane *	1,100.000	J	0	0	ug/Kg
Q1938-01	LOWER-WALL-PILE-A	SOIL	Octadecanal *	230.000	J	0	0	ug/Kg
Q1938-01	LOWER-WALL-PILE-A	SOIL	Octadecanoic acid *	290.000	J	0	0	ug/Kg
Q1938-01	LOWER-WALL-PILE-A	SOIL	Pentadecane, 8-hexyl- *	700.000	J	0	0	ug/Kg
Q1938-01	LOWER-WALL-PILE-A	SOIL	Tetracosane *	850.000	J	0	0	ug/Kg
Q1938-01	LOWER-WALL-PILE-A	SOIL	unknown19.145 *	310.000	J	0	0	ug/Kg
Total Tics :				11,784.10				
Total Concentration:				12,084.10				
Client ID :	LOWER-WALL-PILE-B							
Q1938-03	LOWER-WALL-PILE-B	SOIL	Fluoranthene	84.400	J	31	180	ug/Kg
Q1938-03	LOWER-WALL-PILE-B	SOIL	Pyrene	98.200	J	37.3	180	ug/Kg
Q1938-03	LOWER-WALL-PILE-B	SOIL	Benzo(b)fluoranthene	95.100	J	19.7	180	ug/Kg
Q1938-03	LOWER-WALL-PILE-B	SOIL	Benzo(a)pyrene	72.100	J	30.5	180	ug/Kg
Total Svoc :				349.80				
Q1938-03	LOWER-WALL-PILE-B	SOIL	.alpha.-Pinene *	71.100	J	0	0	ug/Kg
Q1938-03	LOWER-WALL-PILE-B	SOIL	2-Pentanone, 4-hydroxy-4-methyl *	150.000	AB	0	0	ug/Kg
Q1938-03	LOWER-WALL-PILE-B	SOIL	2-Pentenoic acid, 5-(decahydro-5, *	990.000	J	0	0	ug/Kg
Q1938-03	LOWER-WALL-PILE-B	SOIL	Benzophenone *	180.000	J	0	0	ug/Kg
Q1938-03	LOWER-WALL-PILE-B	SOIL	Cyclohexadecane *	200.000	J	0	0	ug/Kg

Hit Summary Sheet SW-846

SDG No.: Q1938

Client: Saxton Falls Sand and Gravel Co. Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1938-03	LOWER-WALL-PILE-B	SOIL	Eicosane	*	220.000	J 0	0	ug/Kg
Q1938-03	LOWER-WALL-PILE-B	SOIL	Humulene	*	75.200	J 0	0	ug/Kg
Q1938-03	LOWER-WALL-PILE-B	SOIL	n-Hexadecanoic acid	*	430.000	J 0	0	ug/Kg
Q1938-03	LOWER-WALL-PILE-B	SOIL	Octadecanoic acid	*	86.600	J 0	0	ug/Kg
Total Tics :					2,402.90			
Total Concentration:					2,752.70			
Client ID : LOWER-WALL-PILE-C								
Q1938-05	LOWER-WALL-PILE-C	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	190.000	AB 0	0	ug/Kg
Q1938-05	LOWER-WALL-PILE-C	SOIL	Benzophenone	*	370.000	J 0	0	ug/Kg
Q1938-05	LOWER-WALL-PILE-C	SOIL	Cyclohexadecane	*	99.300	J 0	0	ug/Kg
Q1938-05	LOWER-WALL-PILE-C	SOIL	n-Hexadecanoic acid	*	1,300.000	J 0	0	ug/Kg
Q1938-05	LOWER-WALL-PILE-C	SOIL	Octadecanoic acid	*	830.000	J 0	0	ug/Kg
Q1938-05	LOWER-WALL-PILE-C	SOIL	Tetradecanoic acid	*	350.000	J 0	0	ug/Kg
Total Tics :					3,139.30			
Total Concentration:					3,139.30			
Client ID : LOWER-WALL-PILE-D								
Q1938-07	LOWER-WALL-PILE-D	SOIL	2-Pentanone, 4-hydroxy-4-methyl	*	170.000	AB 0	0	ug/Kg
Q1938-07	LOWER-WALL-PILE-D	SOIL	Benzophenone	*	210.000	J 0	0	ug/Kg
Q1938-07	LOWER-WALL-PILE-D	SOIL	Cyclotetradecane	*	140.000	J 0	0	ug/Kg
Q1938-07	LOWER-WALL-PILE-D	SOIL	n-Hexadecanoic acid	*	470.000	J 0	0	ug/Kg
Q1938-07	LOWER-WALL-PILE-D	SOIL	Octadecanoic acid	*	110.000	J 0	0	ug/Kg
Total Tics :					1,100.00			
Total Concentration:					1,100.00			



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q1938

Client: Saxton Falls Sand and Gravel Co. Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB167857BL	PB167857BL	2-Fluorophenol	150	137	91		30 (18)	130 (112)
		Phenol-d6	150	129	86		30 (15)	130 (107)
		Nitrobenzene-d5	100	79.6	80		30 (18)	130 (107)
		2-Fluorobiphenyl	100	79.0	79		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	137	91		30 (10)	130 (116)
		Terphenyl-d14	100	91.2	91		30 (10)	130 (105)
PB167857BS	PB167857BS	2-Fluorophenol	150	126	84		30 (18)	130 (112)
		Phenol-d6	150	121	81		30 (15)	130 (107)
		Nitrobenzene-d5	100	73.3	73		30 (18)	130 (107)
		2-Fluorobiphenyl	100	72.9	73		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	131	87		30 (10)	130 (116)
		Terphenyl-d14	100	76.4	76		30 (10)	130 (105)
Q1937-05MS	LARGE-PILE-CMS	2-Fluorophenol	150	75.2	50		30 (18)	130 (112)
		Phenol-d6	150	75.9	51		30 (15)	130 (107)
		Nitrobenzene-d5	100	43.5	43		30 (18)	130 (107)
		2-Fluorobiphenyl	100	43.0	43		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	75.0	50		30 (10)	130 (116)
		Terphenyl-d14	100	47.2	47		30 (10)	130 (105)
Q1937-05MSD	LARGE-PILE-CMSD	2-Fluorophenol	150	74.8	50		30 (18)	130 (112)
		Phenol-d6	150	76.2	51		30 (15)	130 (107)
		Nitrobenzene-d5	100	44.0	44		30 (18)	130 (107)
		2-Fluorobiphenyl	100	42.7	43		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	75.1	50		30 (10)	130 (116)
		Terphenyl-d14	100	47.0	47		30 (10)	130 (105)
Q1938-01	LOWER-WALL-PILE-A	2-Fluorophenol	150	74.5	50		30 (18)	130 (112)
		Phenol-d6	150	79.6	53		30 (15)	130 (107)
		Nitrobenzene-d5	100	44.2	44		30 (18)	130 (107)
		2-Fluorobiphenyl	100	43.4	43		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	79.7	53		30 (10)	130 (116)
		Terphenyl-d14	100	51.4	51		30 (10)	130 (105)
Q1938-03	LOWER-WALL-PILE-B	2-Fluorophenol	150	71.0	47		30 (18)	130 (112)
		Phenol-d6	150	71.7	48		30 (15)	130 (107)
		Nitrobenzene-d5	100	41.9	42		30 (18)	130 (107)
		2-Fluorobiphenyl	100	41.9	42		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	70.9	47		30 (10)	130 (116)
		Terphenyl-d14	100	48.2	48		30 (10)	130 (105)
Q1938-05	LOWER-WALL-PILE-C	2-Fluorophenol	150	86.8	58		30 (18)	130 (112)
		Phenol-d6	150	85.6	57		30 (15)	130 (107)
		Nitrobenzene-d5	100	51.1	51		30 (18)	130 (107)
		2-Fluorobiphenyl	100	48.4	48		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	93.2	62		30 (10)	130 (116)
		Terphenyl-d14	100	56.0	56		30 (10)	130 (105)
Q1938-07	LOWER-WALL-PILE-D	2-Fluorophenol	150	80.4	54		30 (18)	130 (112)
		Phenol-d6	150	80.9	54		30 (15)	130 (107)
		Nitrobenzene-d5	100	46.7	47		30 (18)	130 (107)
		2-Fluorobiphenyl	100	46.2	46		30 (20)	130 (109)
		2,4,6-Tribromophenol	150	80.4	54		30 (10)	130 (116)
		Terphenyl-d14	100	52.8	53		30 (10)	130 (105)

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1938

Client: Saxton Falls Sand and Gravel Co. Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q1937-05MS	Client Sample ID:	LARGE-PILE-CMS					DataFile:	BM050101.D		
Benzaldehyde	1800	0	850	ug/Kg	47				20 (10)	160 (86)	
Phenol	1800	0	1600	ug/Kg	89				20 (67)	160 (126)	
bis(2-Chloroethyl)ether	1800	0	1400	ug/Kg	78				70 (54)	130 (125)	
2-Chlorophenol	1800	0	1500	ug/Kg	83				70 (79)	130 (107)	
2-Methylphenol	1800	0	1600	ug/Kg	89				70 (66)	130 (122)	
2,2-oxybis(1-Chloropropane)	1800	0	1400	ug/Kg	78				70 (65)	130 (110)	
Acetophenone	1800	0	1500	ug/Kg	83				70 (75)	130 (111)	
3+4-Methylphenols	1800	0	1500	ug/Kg	83				20 (66)	160 (104)	
N-Nitroso-di-n-propylamine	1800	0	1400	ug/Kg	78				70 (59)	130 (119)	
Hexachloroethane	1800	0	1400	ug/Kg	78				20 (65)	160 (117)	
Nitrobenzene	1800	0	1500	ug/Kg	83				70 (70)	130 (119)	
Isophorone	1800	0	1400	ug/Kg	78				70 (76)	130 (122)	
2-Nitrophenol	1800	0	1600	ug/Kg	89				70 (54)	130 (145)	
2,4-Dimethylphenol	1800	0	1600	ug/Kg	89				70 (44)	130 (135)	
bis(2-Chloroethoxy)methane	1800	0	1500	ug/Kg	83				70 (68)	130 (112)	
2,4-Dichlorophenol	1800	0	1600	ug/Kg	89				70 (72)	130 (118)	
Naphthalene	1800	0	1500	ug/Kg	83				70 (72)	130 (110)	
4-Chloroaniline	1800	0	610	ug/Kg	34	*			70 (10)	130 (91)	
Hexachlorobutadiene	1800	0	1500	ug/Kg	83				70 (66)	130 (114)	
Caprolactam	1800	0	1500	ug/Kg	83				20 (51)	160 (134)	
4-Chloro-3-methylphenol	1800	0	1500	ug/Kg	83				70 (57)	130 (132)	
2-Methylnaphthalene	1800	0	1500	ug/Kg	83				70 (59)	130 (123)	
Hexachlorocyclopentadiene	3500	0	3000	ug/Kg	86				20 (10)	160 (175)	
2,4,6-Trichlorophenol	1800	0	1600	ug/Kg	89				70 (72)	130 (117)	
2,4,5-Trichlorophenol	1800	0	1600	ug/Kg	89				70 (72)	130 (117)	
1,1-Biphenyl	1800	0	1500	ug/Kg	83				70 (75)	130 (113)	
2-Chloronaphthalene	1800	0	1500	ug/Kg	83				70 (67)	130 (118)	
2-Nitroaniline	1800	0	1600	ug/Kg	89				70 (69)	130 (127)	
Dimethylphthalate	1800	0	1500	ug/Kg	83				70 (70)	130 (113)	
Acenaphthylene	1800	0	1500	ug/Kg	83				70 (79)	130 (118)	
2,6-Dinitrotoluene	1800	0	1500	ug/Kg	83				70 (70)	130 (125)	
3-Nitroaniline	1800	0	890	ug/Kg	49	*			70 (30)	130 (99)	
Acenaphthene	1800	0	1500	ug/Kg	83				70 (70)	130 (121)	
2,4-Dinitrophenol	3500	0	2900	ug/Kg	83				20 (10)	160 (155)	
4-Nitrophenol	3500	0	3100	ug/Kg	89				20 (45)	160 (133)	
Dibenzofuran	1800	0	1500	ug/Kg	83				70 (72)	130 (110)	
2,4-Dinitrotoluene	1800	0	1600	ug/Kg	89				70 (55)	130 (128)	
Diethylphthalate	1800	0	1500	ug/Kg	83				70 (70)	130 (112)	
4-Chlorophenyl-phenylether	1800	0	1500	ug/Kg	83				70 (71)	130 (108)	
Fluorene	1800	0	1500	ug/Kg	83				70 (68)	130 (116)	
4-Nitroaniline	1800	0	1500	ug/Kg	83				70 (55)	130 (120)	
4,6-Dinitro-2-methylphenol	1800	0	1500	ug/Kg	83				70 (10)	130 (160)	
N-Nitrosodiphenylamine	1800	0	1500	ug/Kg	83				70 (73)	130 (118)	
4-Bromophenyl-phenylether	1800	0	1600	ug/Kg	89				70 (65)	130 (121)	
Hexachlorobenzene	1800	0	1500	ug/Kg	83				70 (67)	130 (118)	
Atrazine	1800	0	1600	ug/Kg	89				70 (79)	130 (127)	

() = LABORATORY INHOUSE LIMIT

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1938

Client: Saxton Falls Sand and Gravel Co. Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	3500	0	3600	ug/Kg	103				20 (47)	160 (128)	
Phenanthrene	1800	0	1500	ug/Kg	83				70 (52)	130 (128)	
Anthracene	1800	0	1500	ug/Kg	83				70 (62)	130 (124)	
Carbazole	1800	0	1600	ug/Kg	89				70 (59)	130 (119)	
Di-n-butylphthalate	1800	0	1500	ug/Kg	83				70 (69)	130 (118)	
Fluoranthene	1800	0	1600	ug/Kg	89				70 (44)	130 (125)	
Pyrene	1800	0	1600	ug/Kg	89				70 (26)	130 (142)	
Butylbenzylphthalate	1800	0	1600	ug/Kg	89				70 (64)	130 (126)	
3,3-Dichlorobenzidine	1800	0	920	ug/Kg	51	*			70 (33)	130 (116)	
Benzo(a)anthracene	1800	0	1600	ug/Kg	89				70 (71)	130 (114)	
Chrysene	1800	0	1500	ug/Kg	83				70 (57)	130 (121)	
bis(2-Ethylhexyl)phthalate	1800	0	1500	ug/Kg	83				70 (42)	130 (169)	
Di-n-octyl phthalate	1800	0	1500	ug/Kg	83				70 (23)	130 (175)	
Benzo(b)fluoranthene	1800	0	1500	ug/Kg	83				70 (67)	130 (121)	
Benzo(k)fluoranthene	1800	0	1500	ug/Kg	83				70 (57)	130 (134)	
Benzo(a)pyrene	1800	0	1600	ug/Kg	89				70 (70)	130 (142)	
Indeno(1,2,3-cd)pyrene	1800	0	1600	ug/Kg	89				70 (40)	130 (129)	
Dibenz(a,h)anthracene	1800	0	1600	ug/Kg	89				70 (43)	130 (123)	
Benzo(g,h,i)perylene	1800	0	1600	ug/Kg	89				70 (24)	130 (125)	
1,2,4,5-Tetrachlorobenzene	1800	0	1600	ug/Kg	89				70 (69)	130 (124)	
1,4-Dioxane	1800	0	1300	ug/Kg	72				20 (46)	160 (112)	
2,3,4,6-Tetrachlorophenol	1800	0	1500	ug/Kg	83				70 (69)	130 (112)	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1938

Client: Saxton Falls Sand and Gravel Co. Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	Q1937-05MSD	Client Sample ID:	LARGE-PILE-CMSD					DataFile:	BM050102.D		
Benzaldehyde	1800	0	850	ug/Kg	47		0		20 (10)	160 (86)	30 (20)
Phenol	1800	0	1600	ug/Kg	89		0		20 (67)	160 (126)	30 (20)
bis(2-Chloroethyl)ether	1800	0	1400	ug/Kg	78		0		70 (54)	130 (125)	30 (20)
2-Chlorophenol	1800	0	1600	ug/Kg	89		7		70 (79)	130 (107)	30 (20)
2-Methylphenol	1800	0	1600	ug/Kg	89		0		70 (66)	130 (122)	30 (20)
2,2-oxybis(1-Chloropropane)	1800	0	1400	ug/Kg	78		0		70 (65)	130 (110)	30 (20)
Acetophenone	1800	0	1500	ug/Kg	83		0		70 (75)	130 (111)	30 (20)
3+4-Methylphenols	1800	0	1600	ug/Kg	89		7		20 (66)	160 (104)	30 (20)
N-Nitroso-di-n-propylamine	1800	0	1400	ug/Kg	78		0		70 (59)	130 (119)	30 (20)
Hexachloroethane	1800	0	1400	ug/Kg	78		0		20 (65)	160 (117)	30 (20)
Nitrobenzene	1800	0	1500	ug/Kg	83		0		70 (70)	130 (119)	30 (20)
Isophorone	1800	0	1400	ug/Kg	78		0		70 (76)	130 (122)	30 (20)
2-Nitrophenol	1800	0	1600	ug/Kg	89		0		70 (54)	130 (145)	30 (20)
2,4-Dimethylphenol	1800	0	1600	ug/Kg	89		0		70 (44)	130 (135)	30 (20)
bis(2-Chloroethoxy)methane	1800	0	1500	ug/Kg	83		0		70 (68)	130 (112)	30 (20)
2,4-Dichlorophenol	1800	0	1600	ug/Kg	89		0		70 (72)	130 (118)	30 (20)
Naphthalene	1800	0	1500	ug/Kg	83		0		70 (72)	130 (110)	30 (20)
4-Chloroaniline	1800	0	660	ug/Kg	37	*	8		70 (10)	130 (91)	30 (20)
Hexachlorobutadiene	1800	0	1500	ug/Kg	83		0		70 (66)	130 (114)	30 (20)
Caprolactam	1800	0	1500	ug/Kg	83		0		20 (51)	160 (134)	30 (20)
4-Chloro-3-methylphenol	1800	0	1500	ug/Kg	83		0		70 (57)	130 (132)	30 (20)
2-Methylnaphthalene	1800	0	1500	ug/Kg	83		0		70 (59)	130 (123)	30 (20)
Hexachlorocyclopentadiene	3500	0	3000	ug/Kg	86		0		20 (10)	160 (175)	30 (20)
2,4,6-Trichlorophenol	1800	0	1600	ug/Kg	89		0		70 (72)	130 (117)	30 (20)
2,4,5-Trichlorophenol	1800	0	1600	ug/Kg	89		0		70 (72)	130 (117)	30 (20)
1,1-Biphenyl	1800	0	1500	ug/Kg	83		0		70 (75)	130 (113)	30 (20)
2-Chloronaphthalene	1800	0	1500	ug/Kg	83		0		70 (67)	130 (118)	30 (20)
2-Nitroaniline	1800	0	1600	ug/Kg	89		0		70 (69)	130 (127)	30 (20)
Dimethylphthalate	1800	0	1500	ug/Kg	83		0		70 (70)	130 (113)	30 (20)
Acenaphthylene	1800	0	1500	ug/Kg	83		0		70 (79)	130 (118)	30 (20)
2,6-Dinitrotoluene	1800	0	1600	ug/Kg	89		7		70 (70)	130 (125)	30 (20)
3-Nitroaniline	1800	0	910	ug/Kg	51	*	4		70 (30)	130 (99)	30 (20)
Acenaphthene	1800	0	1500	ug/Kg	83		0		70 (70)	130 (121)	30 (20)
2,4-Dinitrophenol	3500	0	2900	ug/Kg	83		0		20 (10)	160 (155)	30 (20)
4-Nitrophenol	3500	0	3100	ug/Kg	89		0		20 (45)	160 (133)	30 (20)
Dibenzofuran	1800	0	1500	ug/Kg	83		0		70 (72)	130 (110)	30 (20)
2,4-Dinitrotoluene	1800	0	1600	ug/Kg	89		0		70 (55)	130 (128)	30 (20)
Diethylphthalate	1800	0	1500	ug/Kg	83		0		70 (70)	130 (112)	30 (20)
4-Chlorophenyl-phenylether	1800	0	1500	ug/Kg	83		0		70 (71)	130 (108)	30 (20)
Fluorene	1800	0	1500	ug/Kg	83		0		70 (68)	130 (116)	30 (20)
4-Nitroaniline	1800	0	1600	ug/Kg	89		7		70 (55)	130 (120)	30 (20)
4,6-Dinitro-2-methylphenol	1800	0	1500	ug/Kg	83		0		70 (10)	130 (160)	30 (20)
N-Nitrosodiphenylamine	1800	0	1500	ug/Kg	83		0		70 (73)	130 (118)	30 (20)
4-Bromophenyl-phenylether	1800	0	1500	ug/Kg	83		7		70 (65)	130 (121)	30 (20)
Hexachlorobenzene	1800	0	1600	ug/Kg	89		7		70 (67)	130 (118)	30 (20)
Atrazine	1800	0	1500	ug/Kg	83		7		70 (79)	130 (127)	30 (20)

() = LABORATORY INHOUSE LIMIT

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1938

Client: Saxton Falls Sand and Gravel Co. Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	3500	0	3600	ug/Kg	103		0		20 (47)	160 (128)	30 (20)
Phenanthrene	1800	0	1500	ug/Kg	83		0		70 (52)	130 (128)	30 (20)
Anthracene	1800	0	1500	ug/Kg	83		0		70 (62)	130 (124)	30 (20)
Carbazole	1800	0	1600	ug/Kg	89		0		70 (59)	130 (119)	30 (20)
Di-n-butylphthalate	1800	0	1500	ug/Kg	83		0		70 (69)	130 (118)	30 (20)
Fluoranthene	1800	0	1600	ug/Kg	89		0		70 (44)	130 (125)	30 (20)
Pyrene	1800	0	1600	ug/Kg	89		0		70 (26)	130 (142)	30 (20)
Butylbenzylphthalate	1800	0	1600	ug/Kg	89		0		70 (64)	130 (126)	30 (20)
3,3-Dichlorobenzidine	1800	0	900	ug/Kg	50	*	2		70 (33)	130 (116)	30 (20)
Benzo(a)anthracene	1800	0	1500	ug/Kg	83		7		70 (71)	130 (114)	30 (20)
Chrysene	1800	0	1500	ug/Kg	83		0		70 (57)	130 (121)	30 (20)
bis(2-Ethylhexyl)phthalate	1800	0	1500	ug/Kg	83		0		70 (42)	130 (169)	30 (20)
Di-n-octyl phthalate	1800	0	1500	ug/Kg	83		0		70 (23)	130 (175)	30 (20)
Benzo(b)fluoranthene	1800	0	1500	ug/Kg	83		0		70 (67)	130 (121)	30 (20)
Benzo(k)fluoranthene	1800	0	1500	ug/Kg	83		0		70 (57)	130 (134)	30 (20)
Benzo(a)pyrene	1800	0	1600	ug/Kg	89		0		70 (70)	130 (142)	30 (20)
Indeno(1,2,3-cd)pyrene	1800	0	1600	ug/Kg	89		0		70 (40)	130 (129)	30 (20)
Dibenz(a,h)anthracene	1800	0	1600	ug/Kg	89		0		70 (43)	130 (123)	30 (20)
Benzo(g,h,i)perylene	1800	0	1600	ug/Kg	89		0		70 (24)	130 (125)	30 (20)
1,2,4,5-Tetrachlorobenzene	1800	0	1600	ug/Kg	89		0		70 (69)	130 (124)	30 (20)
1,4-Dioxane	1800	0	1300	ug/Kg	72		0		20 (46)	160 (112)	30 (20)
2,3,4,6-Tetrachlorophenol	1800	0	1600	ug/Kg	89		7		70 (69)	130 (112)	30 (20)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1938

Client: Saxton Falls Sand and Gravel Co. Inc.

Analytical Method: 8270E

DataFile: BM050114.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB167857BS	Benzaldehyde	1700	750	ug/Kg	44				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	1300	ug/Kg	76				70 (61)	130 (108)	
	2,2-oxybis(1-Chloropropane)	1700	1300	ug/Kg	76				70 (51)	130 (100)	
	Acetophenone	1700	1300	ug/Kg	76				70 (66)	130 (98)	
	3+4-Methylphenols	1700	1300	ug/Kg	76				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	1300	ug/Kg	76				70 (57)	130 (101)	
	Isophorone	1700	1300	ug/Kg	76				70 (59)	130 (99)	
	2-Nitrophenol	1700	1400	ug/Kg	82				70 (61)	130 (111)	
	2,4-Dimethylphenol	1700	1400	ug/Kg	82				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	1100	ug/Kg	65		*		70 (16)	130 (100)	
	Hexachlorobutadiene	1700	1300	ug/Kg	76				70 (53)	130 (98)	
	Caprolactam	1700	1300	ug/Kg	76				20 (67)	160 (110)	
	4-Chloro-3-methylphenol	1700	1300	ug/Kg	76				70 (58)	130 (112)	
	2-Methylnaphthalene	1700	1300	ug/Kg	76				70 (60)	130 (104)	
	Hexachlorocyclopentadiene	3300	2900	ug/Kg	88				20 (45)	160 (165)	
	2,4,6-Trichlorophenol	1700	1400	ug/Kg	82				70 (59)	130 (102)	
	2,4,5-Trichlorophenol	1700	1400	ug/Kg	82				70 (61)	130 (98)	
	1,1-Biphenyl	1700	1300	ug/Kg	76				70 (57)	130 (103)	
	2-Chloronaphthalene	1700	1300	ug/Kg	76				70 (58)	130 (99)	
	2-Nitroaniline	1700	1500	ug/Kg	88				70 (66)	130 (101)	
	Dimethylphthalate	1700	1300	ug/Kg	76				70 (61)	130 (99)	
	Acenaphthylene	1700	1300	ug/Kg	76				70 (63)	130 (101)	
	2,6-Dinitrotoluene	1700	1400	ug/Kg	82				70 (61)	130 (104)	
	3-Nitroaniline	1700	1200	ug/Kg	71				70 (28)	130 (100)	
	Acenaphthene	1700	1300	ug/Kg	76				70 (57)	130 (104)	
	2,4-Dinitrophenol	3300	2700	ug/Kg	82				20 (37)	160 (128)	
	4-Nitrophenol	3300	2700	ug/Kg	82				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	1400	ug/Kg	82				70 (66)	130 (102)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1938

Client: Saxton Falls Sand and Gravel Co. Inc.

Analytical Method: 8270E

DataFile: BM050114.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB167857BS	Hexachlorobenzene	1700	1400	ug/Kg	82				70 (64)	130 (98)		
	Atrazine	1700	1400	ug/Kg	82				70 (47)	130 (152)		
	Pentachlorophenol	3300	3100	ug/Kg	94				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	1400	ug/Kg	82				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	1100	ug/Kg	65		*		70 (42)	130 (91)		
	Benzo(a)anthracene	1700	1400	ug/Kg	82				70 (60)	130 (102)		
	Chrysene	1700	1400	ug/Kg	82				70 (59)	130 (101)		
	bis(2-Ethylhexyl)phthalate	1700	1400	ug/Kg	82				70 (54)	130 (135)		
	Di-n-octyl phthalate	1700	1400	ug/Kg	82				70 (52)	130 (137)		
	Benzo(b)fluoranthene	1700	1400	ug/Kg	82				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	1500	ug/Kg	88				70 (63)	130 (101)		
	Dibenz(a,h)anthracene	1700	1500	ug/Kg	88				70 (61)	130 (112)		
	Benzo(g,h,i)perylene	1700	1500	ug/Kg	88				70 (70)	130 (108)		
	1,2,4,5-Tetrachlorobenzene	1700	1400	ug/Kg	82				70 (53)	130 (101)		
	1,4-Dioxane	1700	1100	ug/Kg	65				20 (50)	160 (96)		
	2,3,4,6-Tetrachlorophenol	1700	1400	ug/Kg	82				70 (59)	130 (108)		

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167857BL

Lab Name: CHEMTECH

Contract: SAXT01

Lab Code: CHEM Case No.: Q1938

SAS No.: Q1938 SDG NO.: Q1938

Lab File ID: BM050113.D

Lab Sample ID: PB167857BL

Instrument ID: BNA_M

Date Extracted: 05/05/2025

Matrix: (soil/water) SOIL

Date Analyzed: 05/06/2025

Level: (low/med) LOW

Time Analyzed: 10:42

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167857BS	PB167857BS	BM050114.D	05/06/2025
LOWER-WALL-PILE-C	Q1938-05	BM050115.D	05/06/2025
LOWER-WALL-PILE-B	Q1938-03	BM050120.D	05/06/2025
LOWER-WALL-PILE-D	Q1938-07	BM050116.D	05/06/2025
LOWER-WALL-PILE-A	Q1938-01	BM050133.D	05/07/2025
LARGE-PILE-CMS	Q1937-05MS	BM050101.D	05/05/2025
LARGE-PILE-CMSD	Q1937-05MSD	BM050102.D	05/05/2025

COMMENTS: _____



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: SAXT01Lab Code: CHEMSAS No.: Q1938 SDG NO.: Q1938Lab File ID: BM050023.DDFTPP Injection Date: 04/28/2025Instrument ID: BNA_MDFTPP Injection Time: 11:46

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	23.8
68	Less than 2.0% of mass 69	0.4 (1.3) 1
69	Mass 69 relative abundance	28.5
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	35.7
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7
275	10.0 - 60.0% of mass 198	26.2
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	11.6
442	Greater than 50% of mass 198	74.7
443	15.0 - 24.0% of mass 442	14.4 (19.3) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BM050024.D	04/28/2025	12:30
SSTDICC005	SSTDICC005	BM050025.D	04/28/2025	13:09
SSTDICC010	SSTDICC010	BM050026.D	04/28/2025	13:48
SSTDICC020	SSTDICC020	BM050027.D	04/28/2025	14:27
SSTDICCC040	SSTDICCC040	BM050028.D	04/28/2025	15:06
SSTDICC050	SSTDICC050	BM050029.D	04/28/2025	15:45
SSTDICC060	SSTDICC060	BM050030.D	04/28/2025	16:24
SSTDICC080	SSTDICC080	BM050031.D	04/28/2025	17:04



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: SAXT01Lab Code: CHEMSAS No.: Q1938 SDG NO.: Q1938Lab File ID: BM050095.DDFTPP Injection Date: 05/05/2025Instrument ID: BNA_MDFTPP Injection Time: 11:39

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	0.4 (1.4) 1
69	Mass 69 relative abundance	25.9
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	33.8
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	27.5
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	13.2
442	Greater than 50% of mass 198	82.9
443	15.0 - 24.0% of mass 442	16.3 (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	BM050096.D	05/05/2025	12:18
LARGE-PILE-CMS	Q1937-05MS	BM050101.D	05/05/2025	16:21
LARGE-PILE-CMSD	Q1937-05MSD	BM050102.D	05/05/2025	17:00



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: SAXT01Lab Code: CHEMSAS No.: Q1938 SDG NO.: Q1938Lab File ID: BM050111.DDFTPP Injection Date: 05/06/2025Instrument ID: BNA_MDFTPP Injection Time: 09:24

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	24
68	Less than 2.0% of mass 69	0.4 (1.5) 1
69	Mass 69 relative abundance	28.3
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	35.7
197	Less than 2.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	25.9
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	12.2
442	Greater than 50% of mass 198	77.9
443	15.0 - 24.0% of mass 442	15.2 (19.6) 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	BM050112.D	05/06/2025	10:03
PB167857BL	PB167857BL	BM050113.D	05/06/2025	10:42
PB167857BS	PB167857BS	BM050114.D	05/06/2025	11:21
LOWER-WALL-PILE-C	Q1938-05	BM050115.D	05/06/2025	12:04
LOWER-WALL-PILE-D	Q1938-07	BM050116.D	05/06/2025	12:44
LOWER-WALL-PILE-B	Q1938-03	BM050120.D	05/06/2025	15:20



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: SAXT01Lab Code: CHEMSAS No.: Q1938SDG NO.: Q1938Lab File ID: BM050128.DDFTPP Injection Date: 05/07/2025Instrument ID: BNA_MDFTPP Injection Time: 09:17

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	23
68	Less than 2.0% of mass 69	0.4 (1.4) 1
69	Mass 69 relative abundance	27.7
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	35
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	26.1
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	12
442	Greater than 50% of mass 198	74.9
443	15.0 - 24.0% of mass 442	14.6 (19.4) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BM050129.D	05/07/2025	09:56
LOWER-WALL-PILE-A	Q1938-01	BM050133.D	05/07/2025	13:12

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1938 SAS No.: Q1938 SDG NO.: Q1938

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/05/2025

Lab File ID: BM050096.D Time Analyzed: 12:18

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	253723	7.745	967980	10.54	663376	14.40
UPPER LIMIT	507446	8.245	1935960	11.039	1326750	14.898
LOWER LIMIT	126862	7.245	483990	10.039	331688	13.898
EPA SAMPLE NO.						
01 LARGE-PILE-CMS	289071	7.75	1033170	10.54	655158	14.39
02 LARGE-PILE-CMSD	294539	7.75	1047790	10.54	677703	14.39

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.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1938 SAS No.: Q1938 SDG NO.: Q1938

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/05/2025

Lab File ID: BM050096.D Time Analyzed: 12:18

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	1334830	17.145	1249730	21.386	1253430	24.38
UPPER LIMIT	2669660	17.645	2499460	21.886	2506860	24.88
LOWER LIMIT	667415	16.645	624865	20.886	626715	23.88
EPA SAMPLE NO.						
01 LARGE-PILE-CMS	1260860	17.15	1205720	21.39	1198700	24.37
02 LARGE-PILE-CMSD	1314660	17.14	1271560	21.39	1236920	24.38

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

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SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1938 SAS No.: Q1938 SDG NO.: Q1938

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/06/2025

Lab File ID: BM050112.D Time Analyzed: 10:03

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	267221	7.745	954129	10.53	616483	14.39
UPPER LIMIT	534442	8.245	1908260	11.034	1232970	14.892
LOWER LIMIT	133611	7.245	477065	10.034	308242	13.892
EPA SAMPLE NO.						
01 PB167857BL	235907	7.75	822298	10.54	526225	14.40
02 PB167857BS	251916	7.75	880758	10.53	559090	14.39
03 LOWER-WALL-PILE-B	313931	7.75	1147050	10.54	769427	14.39
04 LOWER-WALL-PILE-C	250338	7.75	884780	10.54	598993	14.39
05 LOWER-WALL-PILE-D	280773	7.74	1030520	10.54	696578	14.39

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1938 SAS No.: Q1938 SDG NO.: Q1938

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/06/2025

Lab File ID: BM050112.D Time Analyzed: 10:03

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	1203470	17.139	1155480	21.38	1141100	24.374
UPPER LIMIT	2406940	17.639	2310960	21.88	2282200	24.874
LOWER LIMIT	601735	16.639	577740	20.88	570550	23.874
EPA SAMPLE NO.						
01 PB167857BL	1048320	17.15	965231	21.39	1050730	24.38
02 PB167857BS	1068020	17.14	1067620	21.39	1110220	24.37
03 LOWER-WALL-PILE-B	1473170	17.14	1291740	21.39	1325880	24.37
04 LOWER-WALL-PILE-C	1239130	17.14	1188360	21.39	1223160	24.37
05 LOWER-WALL-PILE-D	1376380	17.14	1301510	21.39	1342830	24.37

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

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SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1938 SAS No.: Q1938 SDG NO.: Q1938

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/07/2025

Lab File ID: BM050129.D Time Analyzed: 09:56

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	266306	7.746	985466	10.53	648787	14.39
UPPER LIMIT	532612	8.246	1970930	11.034	1297570	14.892
LOWER LIMIT	133153	7.246	492733	10.034	324394	13.892
EPA SAMPLE NO.						
01 LOWER-WALL-PILE-A	293247	7.74	1112570	10.54	760329	14.39

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1938 SAS No.: Q1938 SDG NO.: Q1938

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/07/2025

Lab File ID: BM050129.D Time Analyzed: 09:56

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	1276060	17.139	1188730	21.386	1179190	24.38
UPPER LIMIT	2552120	17.639	2377460	21.886	2358380	24.88
LOWER LIMIT	638030	16.639	594365	20.886	589595	23.88
EPA SAMPLE NO.						
01 LOWER-WALL-PILE-A	1513290	17.14	1348100	21.39	1495080	24.38

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

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SAMPLE DATA

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	05/01/25
Project:	Stan Hope	Date Received:	05/01/25
Client Sample ID:	LOWER-WALL-PILE-A	SDG No.:	Q1938
Lab Sample ID:	Q1938-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.1
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
BM050133.D	1	05/05/25 09:35	05/07/25 13:12	PB167857

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	170	U	170	350	ug/Kg
108-95-2	Phenol	23.7	U	23.7	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	26.1	U	26.1	180	ug/Kg
95-57-8	2-Chlorophenol	26.2	U	26.2	180	ug/Kg
95-48-7	2-Methylphenol	32.1	U	32.1	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	40.2	U	40.2	180	ug/Kg
98-86-2	Acetophenone	31.7	U	31.7	180	ug/Kg
65794-96-9	3+4-Methylphenols	44.1	U	44.1	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	50.9	U	50.9	85.8	ug/Kg
67-72-1	Hexachloroethane	18.9	U	18.9	180	ug/Kg
98-95-3	Nitrobenzene	19.6	U	19.6	180	ug/Kg
78-59-1	Isophorone	35.2	U	35.2	180	ug/Kg
88-75-5	2-Nitrophenol	62.5	U	62.5	180	ug/Kg
105-67-9	2,4-Dimethylphenol	69.5	U	69.5	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	33.0	U	33.0	180	ug/Kg
120-83-2	2,4-Dichlorophenol	30.4	U	30.4	180	ug/Kg
91-20-3	Naphthalene	24.4	U	24.4	180	ug/Kg
106-47-8	4-Chloroaniline	38.0	UQ	38.0	180	ug/Kg
87-68-3	Hexachlorobutadiene	27.1	U	27.1	180	ug/Kg
105-60-2	Caprolactam	55.9	U	55.9	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	30.8	U	30.8	180	ug/Kg
91-57-6	2-Methylnaphthalene	27.5	U	27.5	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	21.2	U	21.2	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	31.2	U	31.2	180	ug/Kg
92-52-4	1,1-Biphenyl	23.4	U	23.4	180	ug/Kg
91-58-7	2-Chloronaphthalene	24.1	U	24.1	180	ug/Kg
88-74-4	2-Nitroaniline	51.6	U	51.6	180	ug/Kg
131-11-3	Dimethylphthalate	29.1	U	29.1	180	ug/Kg

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	05/01/25
Project:	Stan Hope	Date Received:	05/01/25
Client Sample ID:	LOWER-WALL-PILE-A	SDG No.:	Q1938
Lab Sample ID:	Q1938-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.1
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
BM050133.D	1	05/05/25 09:35	05/07/25 13:12	PB167857

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	31.0	U	31.0	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	36.1	U	36.1	180	ug/Kg
99-09-2	3-Nitroaniline	49.4	U	49.4	180	ug/Kg
83-32-9	Acenaphthene	22.9	U	22.9	180	ug/Kg
51-28-5	2,4-Dinitrophenol	250	U	250	350	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	350	ug/Kg
132-64-9	Dibenzofuran	24.4	U	24.4	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	53.8	U	53.8	180	ug/Kg
84-66-2	Diethylphthalate	30.4	U	30.4	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	28.7	U	28.7	180	ug/Kg
86-73-7	Fluorene	27.1	U	27.1	180	ug/Kg
100-01-6	4-Nitroaniline	68.9	U	68.9	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	35.3	U	35.3	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	29.8	U	29.8	180	ug/Kg
118-74-1	Hexachlorobenzene	27.1	U	27.1	180	ug/Kg
1912-24-9	Atrazine	36.5	U	36.5	180	ug/Kg
87-86-5	Pentachlorophenol	55.0	U	55.0	350	ug/Kg
85-01-8	Phenanthrene	22.4	U	22.4	180	ug/Kg
120-12-7	Anthracene	35.7	U	35.7	180	ug/Kg
86-74-8	Carbazole	33.5	U	33.5	180	ug/Kg
84-74-2	Di-n-butylphthalate	51.4	U	51.4	180	ug/Kg
206-44-0	Fluoranthene	100	J	32.2	180	ug/Kg
129-00-0	Pyrene	100	J	38.6	180	ug/Kg
85-68-7	Butylbenzylphthalate	76.6	U	76.6	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	39.4	UQ	39.4	350	ug/Kg
56-55-3	Benzo(a)anthracene	24.7	U	24.7	180	ug/Kg
218-01-9	Chrysene	21.4	U	21.4	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	63.5	U	63.5	180	ug/Kg
117-84-0	Di-n-octyl phthalate	93.1	U	93.1	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	100	J	20.4	180	ug/Kg

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	05/01/25
Project:	Stan Hope	Date Received:	05/01/25
Client Sample ID:	LOWER-WALL-PILE-A	SDG No.:	Q1938
Lab Sample ID:	Q1938-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.1
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
BM050133.D	1	05/05/25 09:35	05/07/25 13:12	PB167857

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	24.0	U	24.0	180	ug/Kg
50-32-8	Benzo(a)pyrene	31.7	U	31.7	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	31.2	U	31.2	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	29.4	U	29.4	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	27.6	U	27.6	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	27.5	U	27.5	180	ug/Kg
123-91-1	1,4-Dioxane	48.5	U	48.5	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	29.4	U	29.4	180	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	74.5		30 (18) - 130 (112)	50%	SPK: 150
13127-88-3	Phenol-d6	79.6		30 (15) - 130 (107)	53%	SPK: 150
4165-60-0	Nitrobenzene-d5	44.2		30 (18) - 130 (107)	44%	SPK: 100
321-60-8	2-Fluorobiphenyl	43.4		30 (20) - 130 (109)	43%	SPK: 100
118-79-6	2,4,6-Tribromophenol	79.7		30 (10) - 130 (116)	53%	SPK: 150
1718-51-0	Terphenyl-d14	51.4		30 (10) - 130 (105)	51%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	293000	7.739
1146-65-2	Naphthalene-d8	1110000	10.539
15067-26-2	Acenaphthene-d10	760000	14.392
1517-22-2	Phenanthrene-d10	1510000	17.139
1719-03-5	Chrysene-d12	1350000	21.386
1520-96-3	Perylene-d12	1500000	24.379

TENTATIVE IDENTIFIED COMPOUNDS

000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	170	AB	4.86	ug/Kg
000119-61-9	Benzophenone	200	J	15.8	ug/Kg
032811-40-8	(E)-4-(3-Hydroxyprop-1-en-1-yl)-2-	110	J	16.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	1100	J	18.0	ug/Kg
	unknown19.145	310	J	19.1	ug/Kg
000057-11-4	Octadecanoic acid	290	J	19.3	ug/Kg
021738-29-4	(E)-3-Methyl-5-((1R,4aR,8aR)-5,5,8	84.1	J	20.0	ug/Kg

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	05/01/25
Project:	Stan Hope	Date Received:	05/01/25
Client Sample ID:	LOWER-WALL-PILE-A	SDG No.:	Q1938
Lab Sample ID:	Q1938-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	93.1
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
BM050133.D	1	05/05/25 09:35	05/07/25 13:12	PB167857

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000593-49-7	Heptacosane	420	J		20.1	ug/Kg
024470-48-2	2-Pentenoic acid, 5-(decahydro-5,5	1900	J		20.5	ug/Kg
013475-75-7	Pentadecane, 8-hexyl-	700	J		20.6	ug/Kg
000629-92-5	Nonadecane	1100	J		21.1	ug/Kg
000630-01-3	Hexacosane	810	J		21.6	ug/Kg
007225-64-1	Heptadecane, 9-octyl-	1300	J		22.1	ug/Kg
000544-77-4	Hexadecane, 1-iodo-	860	J		22.8	ug/Kg
000629-98-1	13-Docosen-1-ol, (Z)-	110	J		23.1	ug/Kg
000629-87-8	2-Methylpentacosane	680	J		23.5	ug/Kg
000297-03-0	Cyclotetracosane	230	J		23.6	ug/Kg
000638-66-4	Octadecanal	230	J		24.9	ug/Kg
000646-31-1	Tetracosane	850	J		25.4	ug/Kg
005638-09-5	Cyclopentane, (4-octyldodecyl)-	330	J		25.5	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
 Data File : BM050133.D
 Acq On : 07 May 2025 13:12
 Operator : RC/JU
 Sample : Q1938-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOWER-WALL-PILE-A

Quant Time: May 07 14:30:22 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

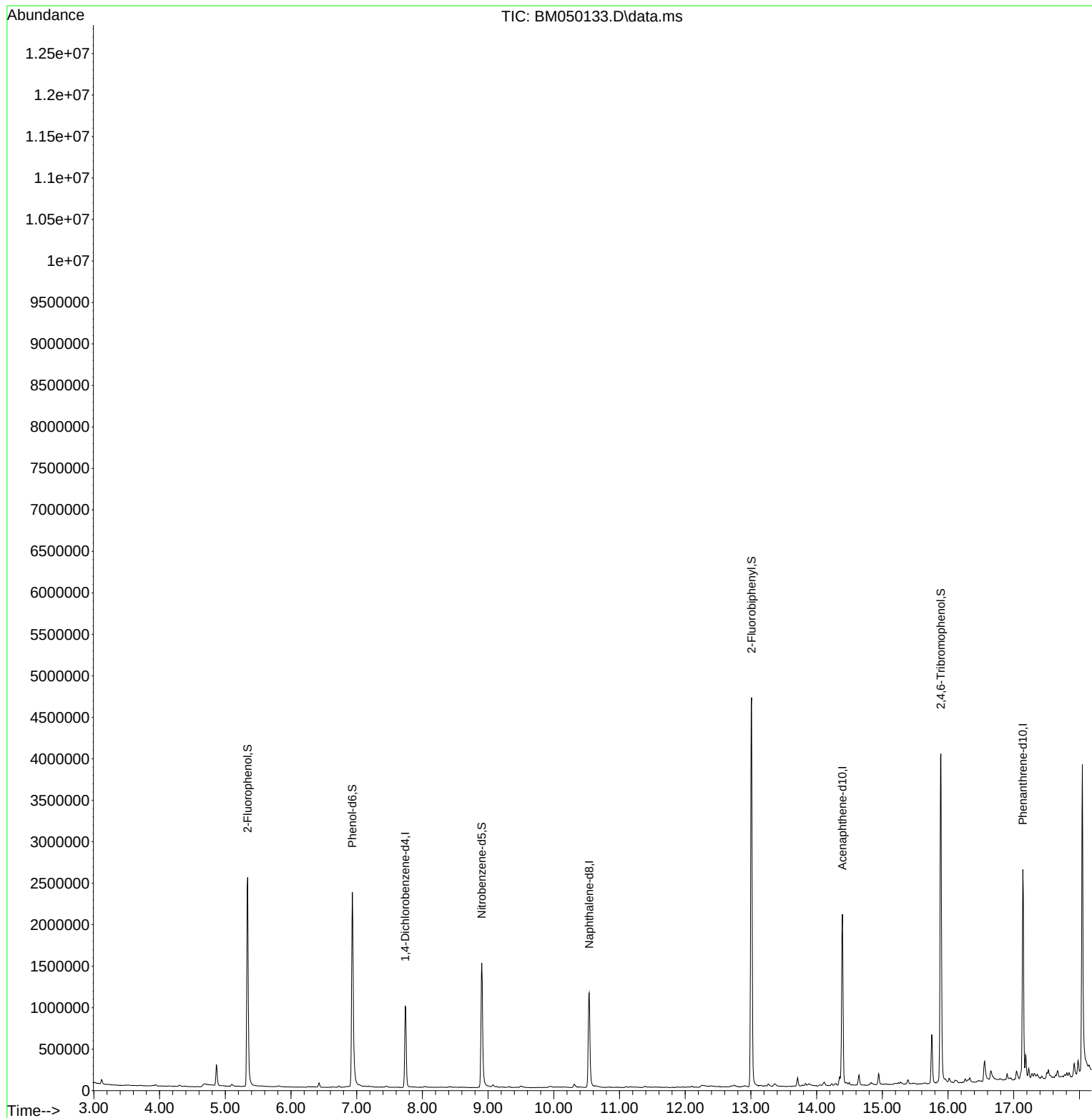
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.739	152	293247	20.000	ng	-0.03
21) Naphthalene-d8	10.539	136	1112568	20.000	ng	-0.02
39) Acenaphthene-d10	14.392	164	760329	20.000	ng	-0.02
64) Phenanthrene-d10	17.139	188	1513291	20.000	ng	-0.02
76) Chrysene-d12	21.386	240	1348104	20.000	ng	-0.01
86) Perylene-d12	24.379	264	1495076	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1248041	74.525	ng	-0.02
7) Phenol-d6	6.934	99	1676447	79.647	ng	-0.02
23) Nitrobenzene-d5	8.904	82	997261	44.169	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	895863	79.686	ng	-0.01
45) 2-Fluorobiphenyl	13.010	172	2787304	43.367	ng	-0.02
79) Terphenyl-d14	19.768	244	4682510	51.397	ng	-0.01
Target Compounds						Qvalue
75) Fluoranthene	19.203	202	285844	2.853	ng	98
78) Pyrene	19.568	202	270780	2.860	ng	100
88) Benzo(b)fluoranthene	23.438	252	276513	2.844	ng	# 85

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050133.D
Acq On : 07 May 2025 13:12
Operator : RC/JU
Sample : Q1938-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-A

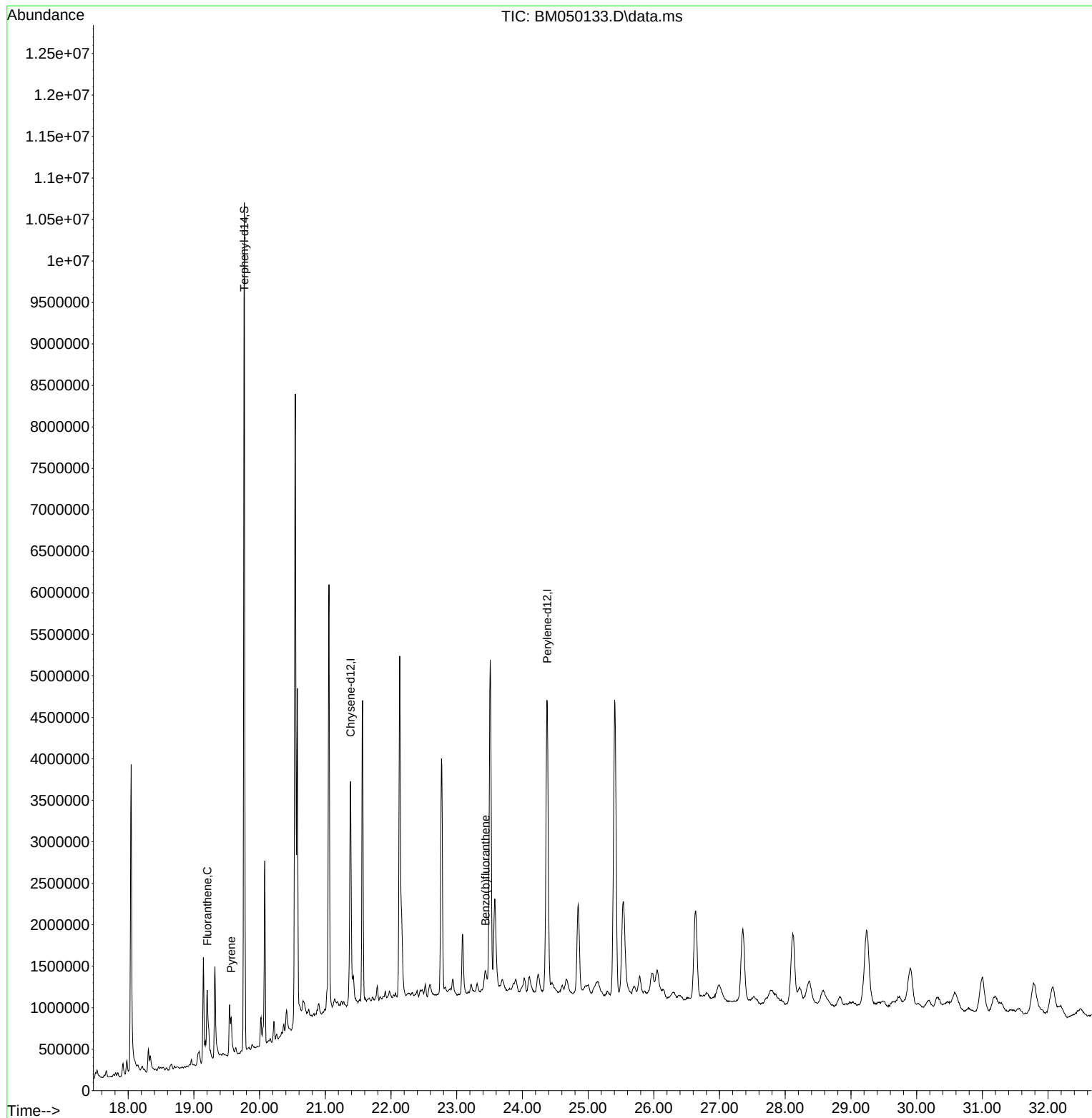
Quant Time: May 07 14:30:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

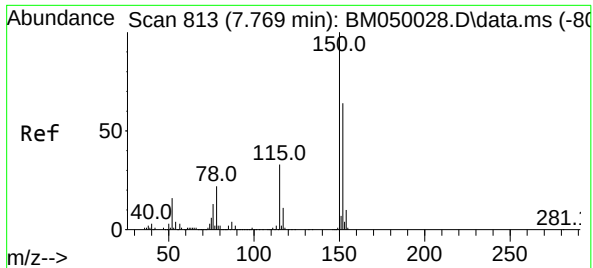


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050133.D
Acq On : 07 May 2025 13:12
Operator : RC/JU
Sample : Q1938-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-A

Quant Time: May 07 14:30:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

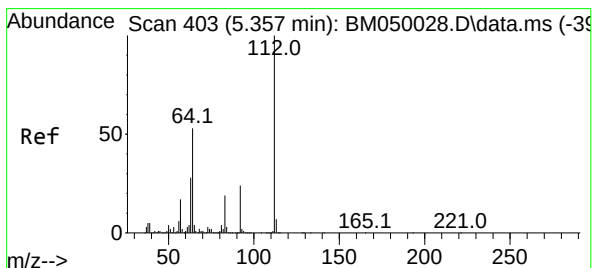
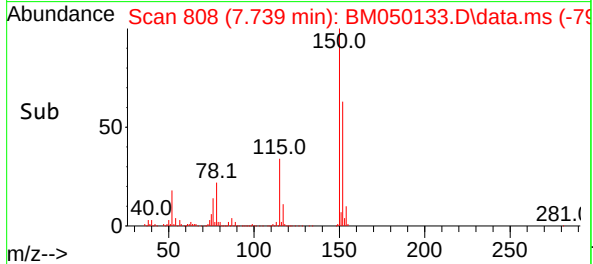
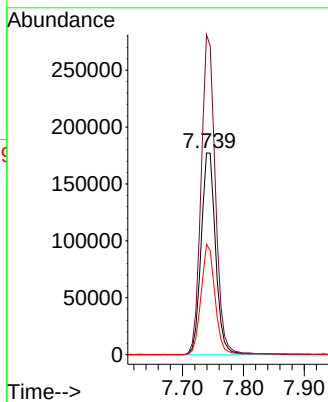
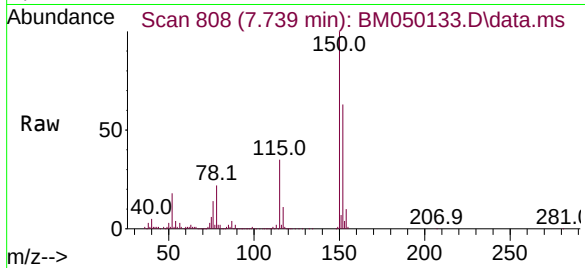




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.739 min Scan# 808
Delta R.T. -0.030 min
Lab File: BM050133.D
Acq: 07 May 2025 13:12

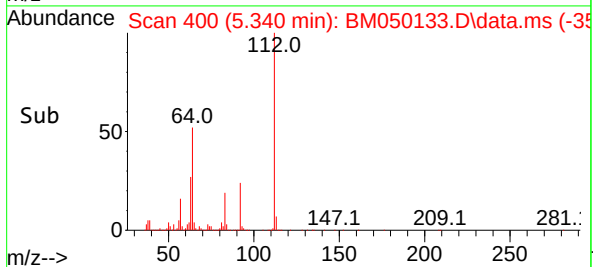
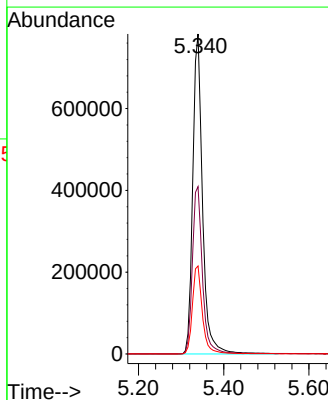
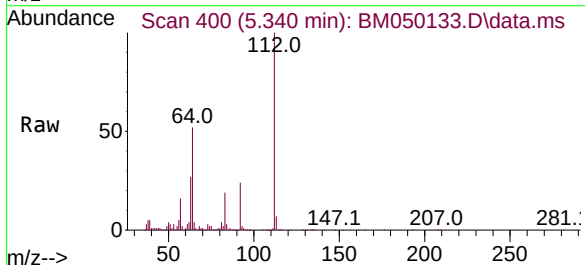
Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-A

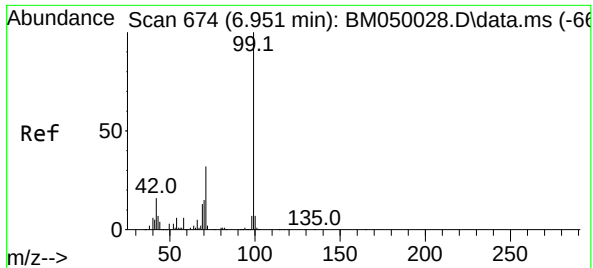
Tgt Ion:152 Resp: 293247
Ion Ratio Lower Upper
152 100
150 158.6 124.1 186.1
115 54.7 41.2 61.8



#5
2-Fluorophenol
Concen: 74.525 ng
RT: 5.340 min Scan# 400
Delta R.T. -0.018 min
Lab File: BM050133.D
Acq: 07 May 2025 13:12

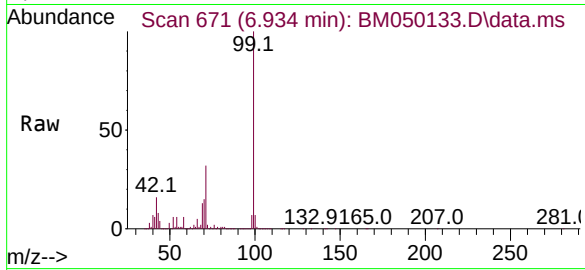
Tgt Ion:112 Resp: 1248041
Ion Ratio Lower Upper
112 100
64 52.3 42.6 64.0
63 27.5 22.2 33.4





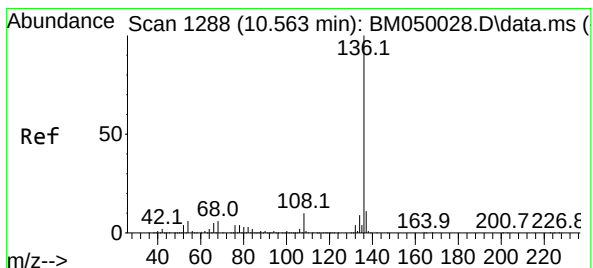
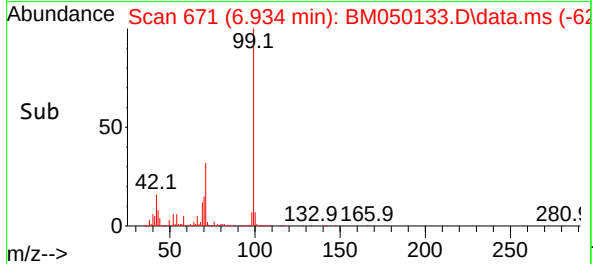
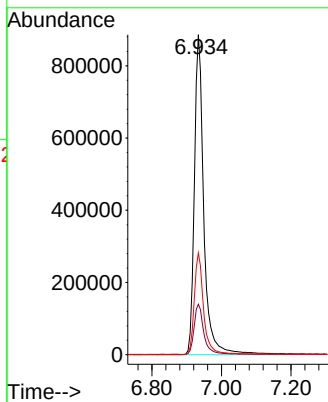
#7
Phenol-d6
Concen: 79.647 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM050133.D
Acq: 07 May 2025 13:12

Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-A



Tgt Ion: 99 Resp: 1676447

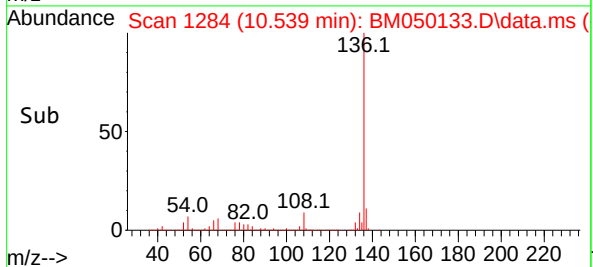
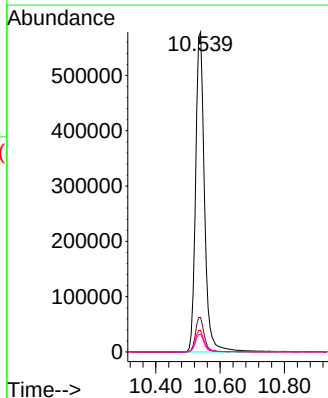
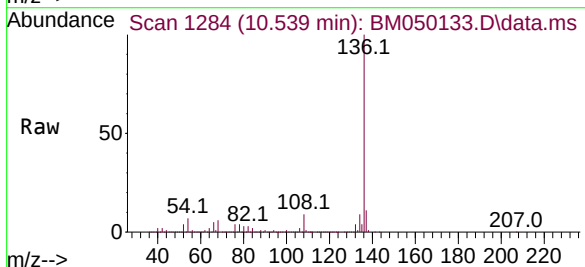
Ion	Ratio	Lower	Upper
99	100		
42	15.8	13.0	19.4
71	31.8	25.6	38.4

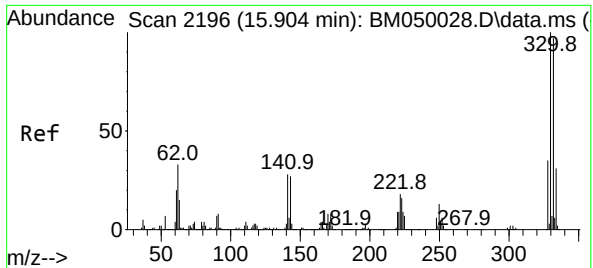


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 1284
Delta R.T. -0.024 min
Lab File: BM050133.D
Acq: 07 May 2025 13:12

Tgt Ion: 136 Resp: 1112568

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	6.7	5.1	7.7
68	5.6	4.4	6.6

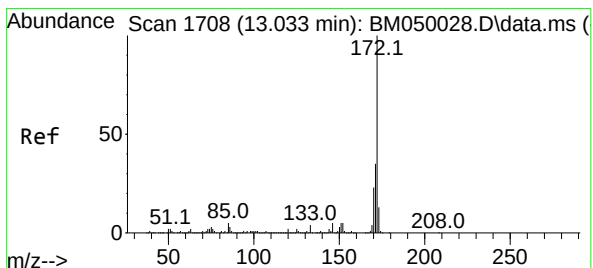
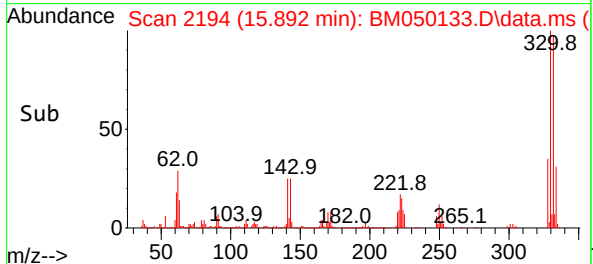
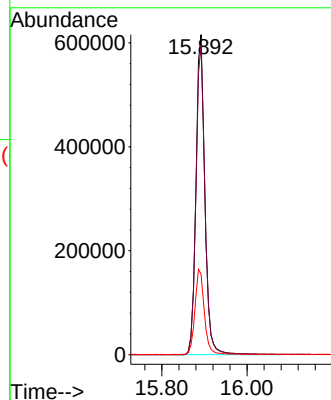
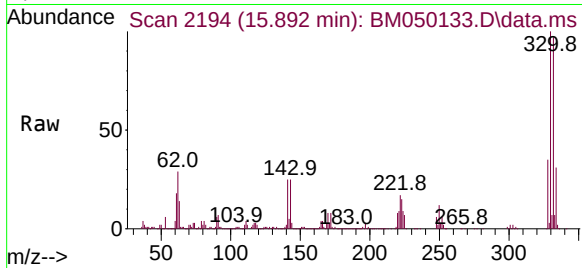




#42
2,4,6-Tribromophenol
Concen: 79.686 ng
RT: 15.892 min Scan# 2194
Delta R.T. -0.012 min
Lab File: BM050133.D
Acq: 07 May 2025 13:12

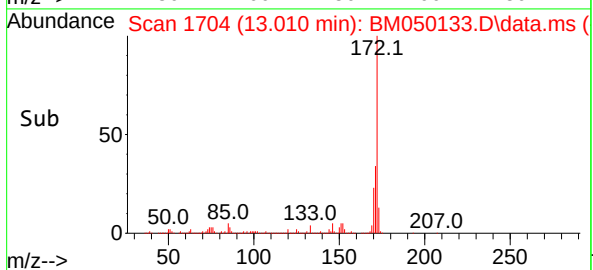
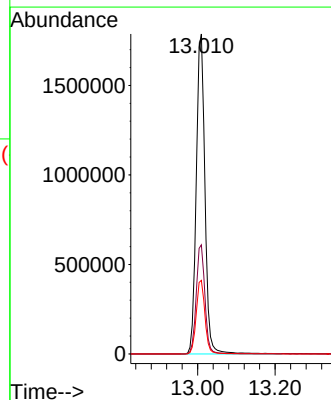
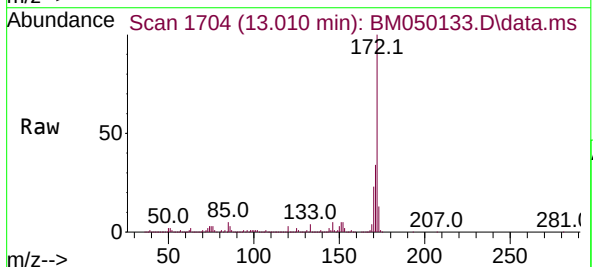
Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-A

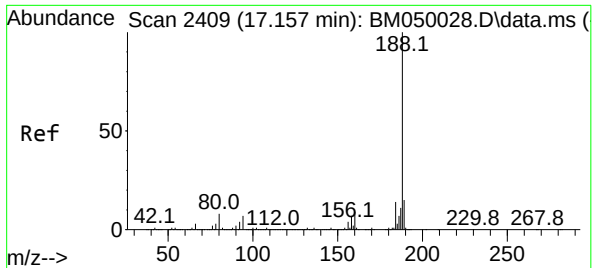
Tgt Ion:330 Resp: 895863
Ion Ratio Lower Upper
330 100
332 97.6 77.3 115.9
141 28.0 22.5 33.7



#45
2-Fluorobiphenyl
Concen: 43.367 ng
RT: 13.010 min Scan# 1704
Delta R.T. -0.024 min
Lab File: BM050133.D
Acq: 07 May 2025 13:12

Tgt Ion:172 Resp: 2787304
Ion Ratio Lower Upper
172 100
171 34.1 27.8 41.6
170 23.0 18.6 28.0

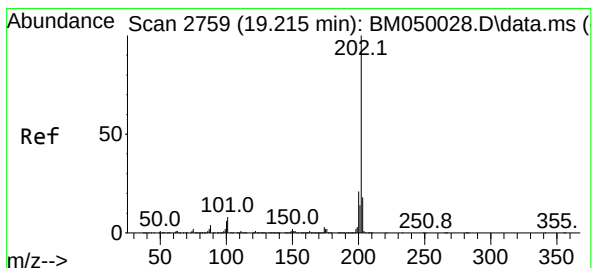
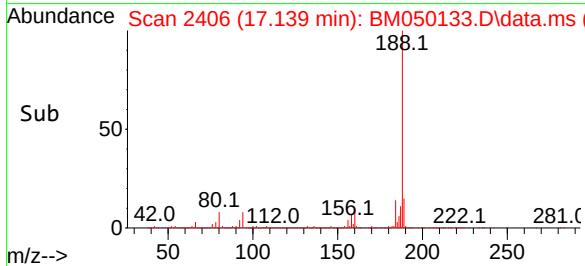
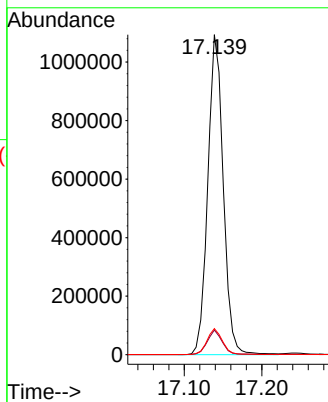
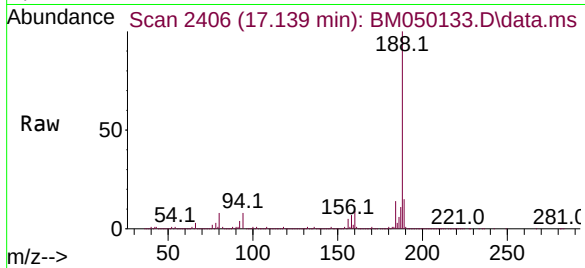




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.139 min Scan# 2406
Delta R.T. -0.018 min
Lab File: BM050133.D
Acq: 07 May 2025 13:12

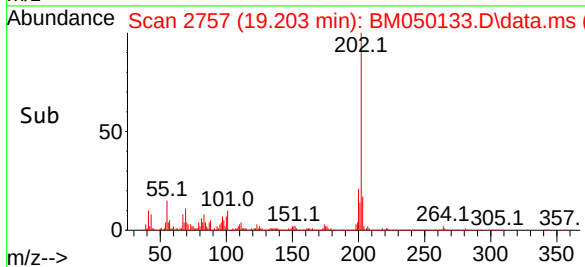
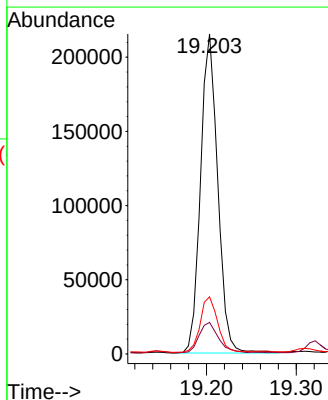
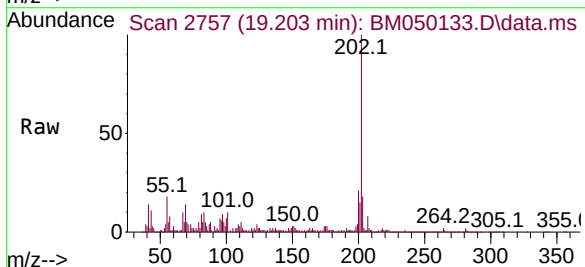
Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-A

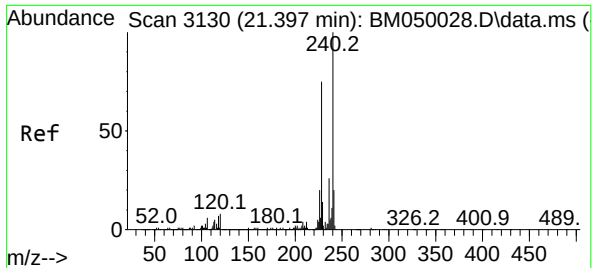
Tgt Ion:188 Resp: 1513291
Ion Ratio Lower Upper
188 100
94 7.7 5.7 8.5
80 8.2 6.2 9.4



#75
Fluoranthene
Concen: 2.853 ng
RT: 19.203 min Scan# 2757
Delta R.T. -0.012 min
Lab File: BM050133.D
Acq: 07 May 2025 13:12

Tgt Ion:202 Resp: 285844
Ion Ratio Lower Upper
202 100
101 9.8 0.0 28.0
203 17.8 0.0 37.7

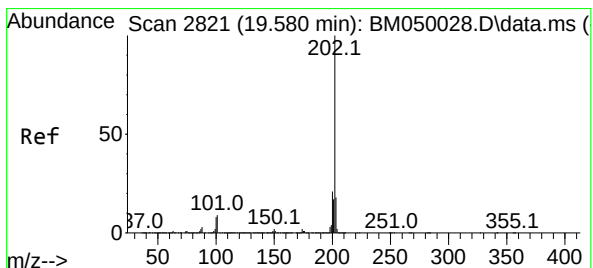
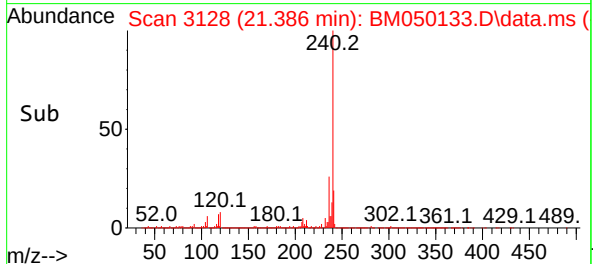
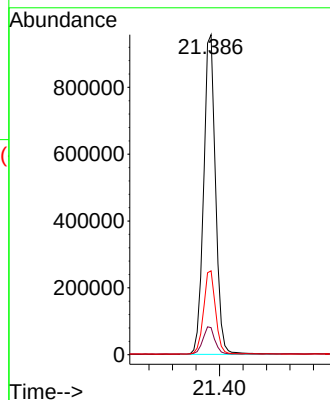
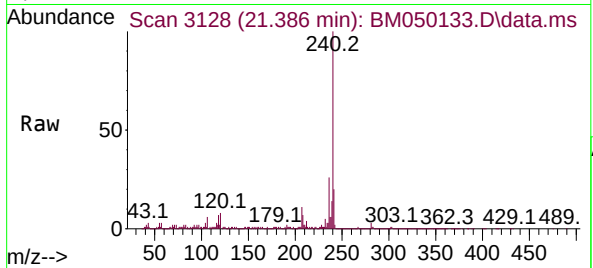




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.386 min Scan# 3130
Delta R.T. -0.011 min
Lab File: BM050133.D
Acq: 07 May 2025 13:12

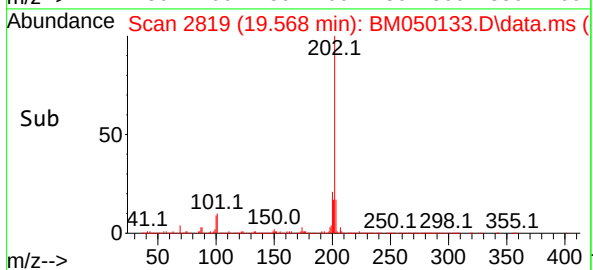
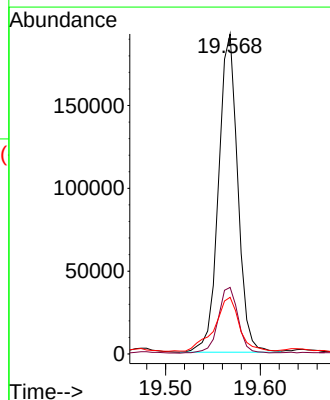
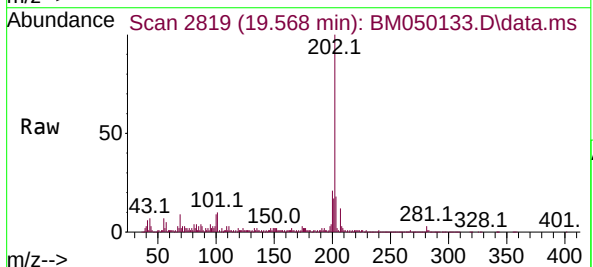
Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-A

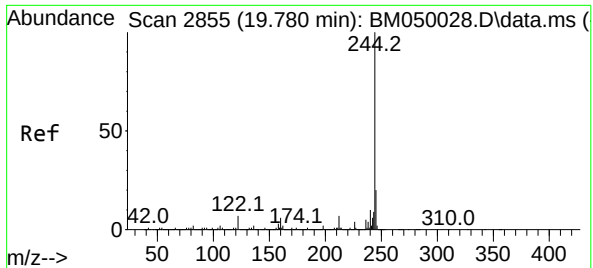
Tgt Ion:240 Resp: 1348104
Ion Ratio Lower Upper
240 100
120 8.4 6.5 9.7
236 26.2 20.9 31.3



#78
Pyrene
Concen: 2.860 ng
RT: 19.568 min Scan# 2819
Delta R.T. -0.012 min
Lab File: BM050133.D
Acq: 07 May 2025 13:12

Tgt Ion:202 Resp: 270780
Ion Ratio Lower Upper
202 100
200 20.8 16.7 25.1
203 17.7 14.1 21.1

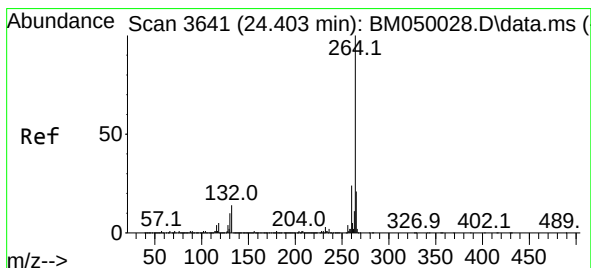
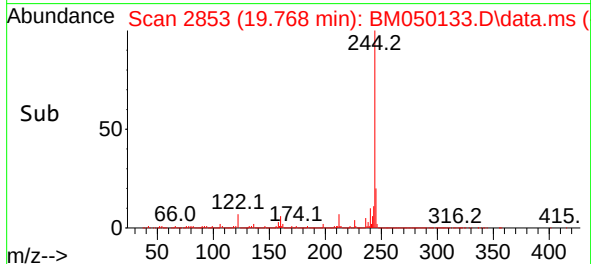
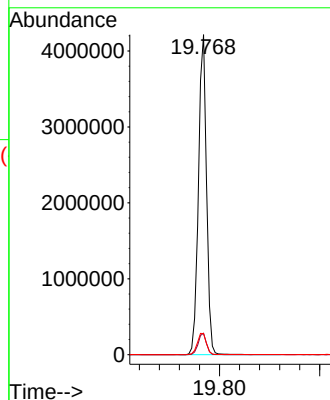
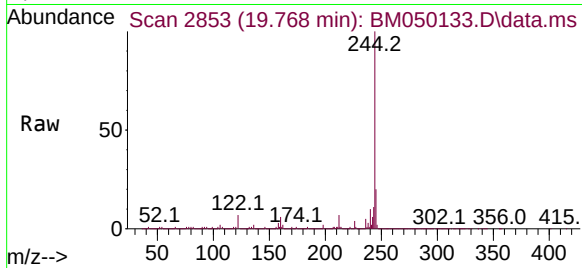




#79
 Terphenyl-d14
 Concen: 51.397 ng
 RT: 19.768 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM050133.D
 Acq: 07 May 2025 13:12

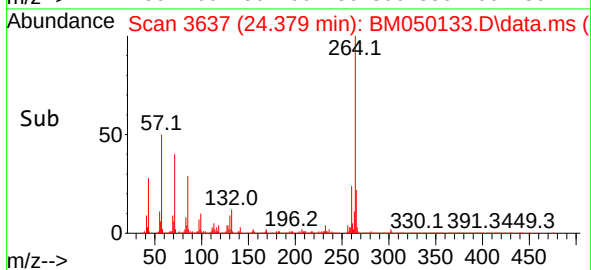
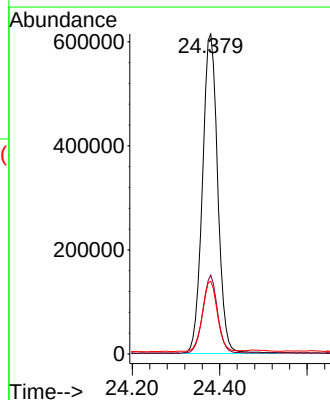
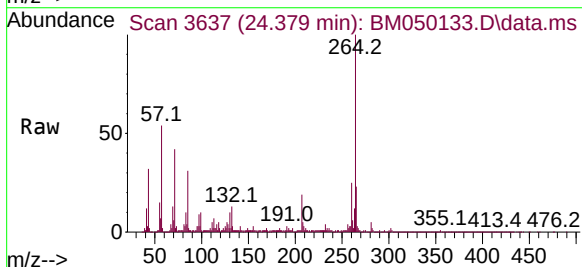
Instrument :
 BNA_M
 ClientSampleId :
 LOWER-WALL-PILE-A

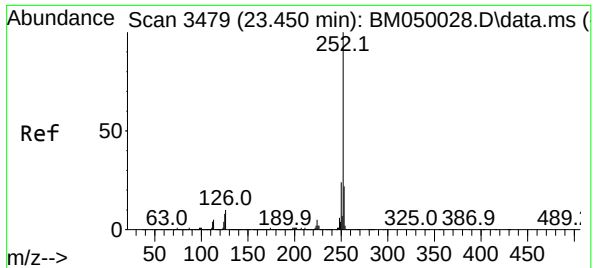
Tgt Ion:244 Resp: 4682510
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.6 8.4
 122 6.6 5.6 8.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.379 min Scan# 3637
 Delta R.T. -0.024 min
 Lab File: BM050133.D
 Acq: 07 May 2025 13:12

Tgt Ion:264 Resp: 1495076
 Ion Ratio Lower Upper
 264 100
 260 24.7 18.8 28.2
 265 22.8 17.0 25.4





#88

Benzo(b)fluoranthene

Concen: 2.844 ng

RT: 23.438 min Scan# 34

Delta R.T. -0.012 min

Lab File: BM050133.D

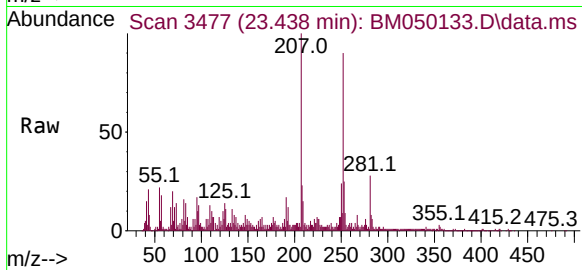
Acq: 07 May 2025 13:12

Instrument :

BNA_M

ClientSampleId :

LOWER-WALL-PILE-A



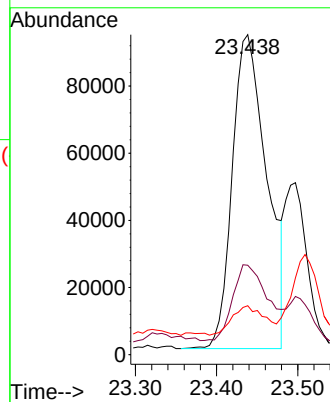
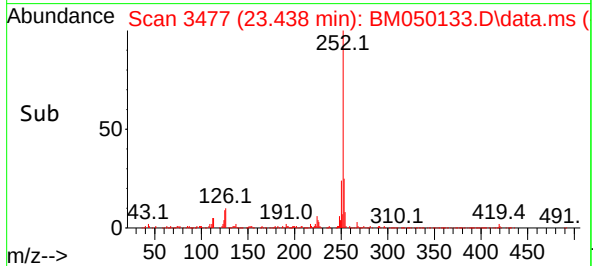
Tgt Ion:252 Resp: 276513

Ion Ratio Lower Upper

252 100

253 27.9 17.7 26.5#

125 15.3 6.1 9.1#



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
 Data File : BM050133.D
 Acq On : 07 May 2025 13:12
 Operator : RC/JU
 Sample : Q1938-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOWER-WALL-PILE-A

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM050133.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.863	315	319	332	rVB	251766	389798	3.34%	0.269%
2	5.340	393	400	422	rBV	2517817	4067931	34.85%	2.804%
3	6.934	664	671	688	rBV	2340753	4362617	37.37%	3.007%
4	7.739	800	808	818	rBV	983089	1610427	13.80%	1.110%
5	8.904	999	1006	1029	rBV	1499264	2807717	24.05%	1.935%
6	10.539	1276	1284	1298	rBV	1136616	2165593	18.55%	1.493%
7	13.010	1696	1704	1722	rBV	4691897	7440401	63.74%	5.128%
8	13.710	1818	1823	1831	rBV3	101126	146757	1.26%	0.101%
9	14.351	1927	1932	1933	rBV	100721	123526	1.06%	0.085%
10	14.392	1933	1939	1948	rVB	2041600	3116279	26.70%	2.148%
11	14.645	1977	1982	1991	rVB	122681	194303	1.66%	0.134%
12	14.945	2028	2033	2038	rBV2	129057	175634	1.50%	0.121%
13	15.751	2164	2170	2181	rBV	590267	876188	7.51%	0.604%
14	15.892	2187	2194	2203	rBV	3945424	6008221	51.47%	4.141%
15	16.556	2301	2307	2319	rBV2	243047	561096	4.81%	0.387%
16	16.651	2319	2323	2333	rVV	105242	244820	2.10%	0.169%
17	17.045	2386	2390	2397	rBV2	97953	172457	1.48%	0.119%
18	17.139	2397	2406	2411	rVV2	2520397	3586756	30.73%	2.472%
19	17.180	2411	2413	2418	rVV	275474	358348	3.07%	0.247%
20	17.227	2418	2421	2426	rVB2	109715	137953	1.18%	0.095%
21	17.921	2534	2539	2544	rBV	152054	253775	2.17%	0.175%
22	17.980	2545	2549	2553	rBV	163289	239703	2.05%	0.165%
23	18.045	2554	2560	2575	rVV	3695121	5333979	45.69%	3.676%
24	18.309	2600	2605	2607	rBV	279024	383962	3.29%	0.265%
25	18.339	2607	2610	2620	rVB2	178922	349078	2.99%	0.241%
26	19.080	2730	2736	2741	rVB4	144495	321741	2.76%	0.222%
27	19.145	2742	2747	2750	rBV	1272660	1545566	13.24%	1.065%
28	19.203	2753	2757	2771	rVB	831530	1734139	14.86%	1.195%
29	19.321	2772	2777	2789	rBV	1099384	1719961	14.73%	1.185%
30	19.544	2811	2815	2817	rBV2	598582	788183	6.75%	0.543%
31	19.768	2847	2853	2859	rBV	10225732	11673557	100.00%	8.046%
32	20.021	2892	2896	2899	rBV2	341640	492572	4.22%	0.340%
33	20.080	2902	2906	2910	rVB	2196435	2460994	21.08%	1.696%
34	20.215	2926	2929	2933	rBV3	223238	291452	2.50%	0.201%
35	20.409	2959	2962	2974	rVB6	243159	451567	3.87%	0.311%
36	20.544	2979	2985	2988	rBV	7578805	10936108	93.68%	7.538%

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050133.D
Acq On : 07 May 2025 13:12
Operator : RC/JU
Sample : Q1938-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-A

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	20.574	2988	2990	3001	rVB	3905200	4103728	35.15%	2.828%
38	21.056	3067	3072	3080	rVB	5092779	6454247	55.29%	4.449%
39	21.386	3122	3128	3133	rBV	2599376	4193719	35.92%	2.891%
40	21.568	3154	3159	3165	rBV	3607526	4766666	40.83%	3.285%
41	22.133	3250	3255	3271	rVB	4093177	7677508	65.77%	5.292%
42	22.768	3357	3363	3370	rBV	2813271	5016974	42.98%	3.458%
43	23.091	3414	3418	3426	rVB	703269	1226365	10.51%	0.845%
44	23.509	3483	3489	3496	rBV	3806402	7663612	65.65%	5.282%
45	23.580	3496	3501	3512	rVB	1054086	2551209	21.85%	1.758%
46	24.374	3629	3636	3646	rVB2	3429258	8046353	68.93%	5.546%
47	24.850	3711	3717	3729	rVB2	1028913	2548483	21.83%	1.757%
48	25.403	3803	3811	3822	rVB	3522045	9563323	81.92%	6.592%
49	25.538	3827	3834	3851	rVB	1088285	3749773	32.12%	2.585%

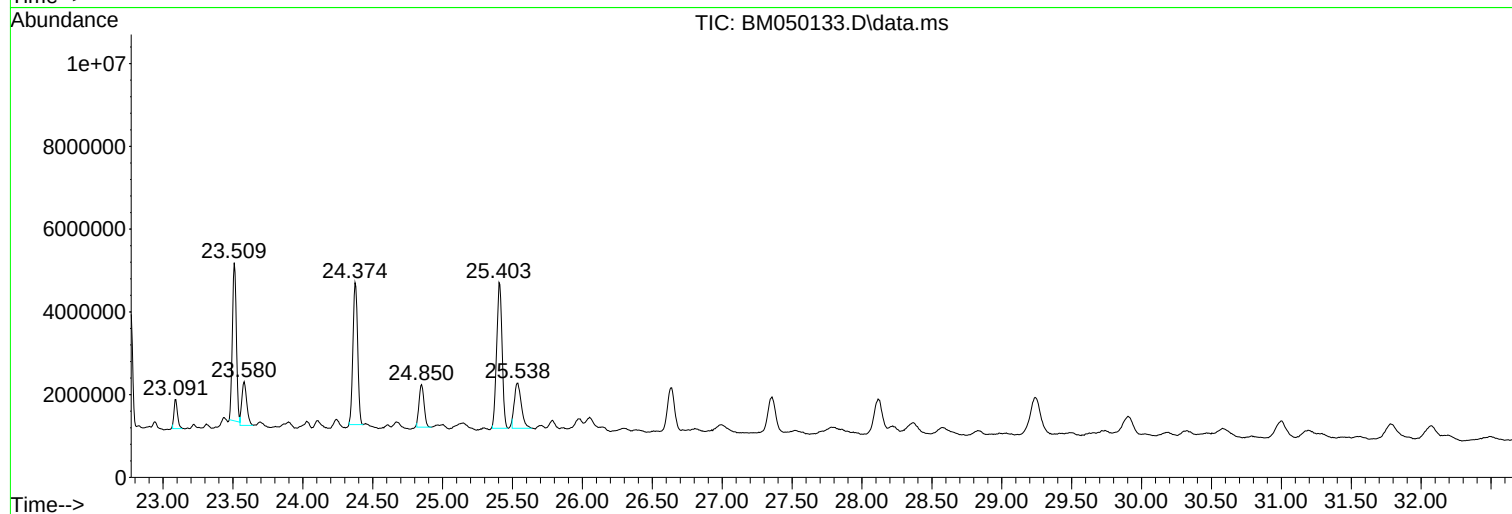
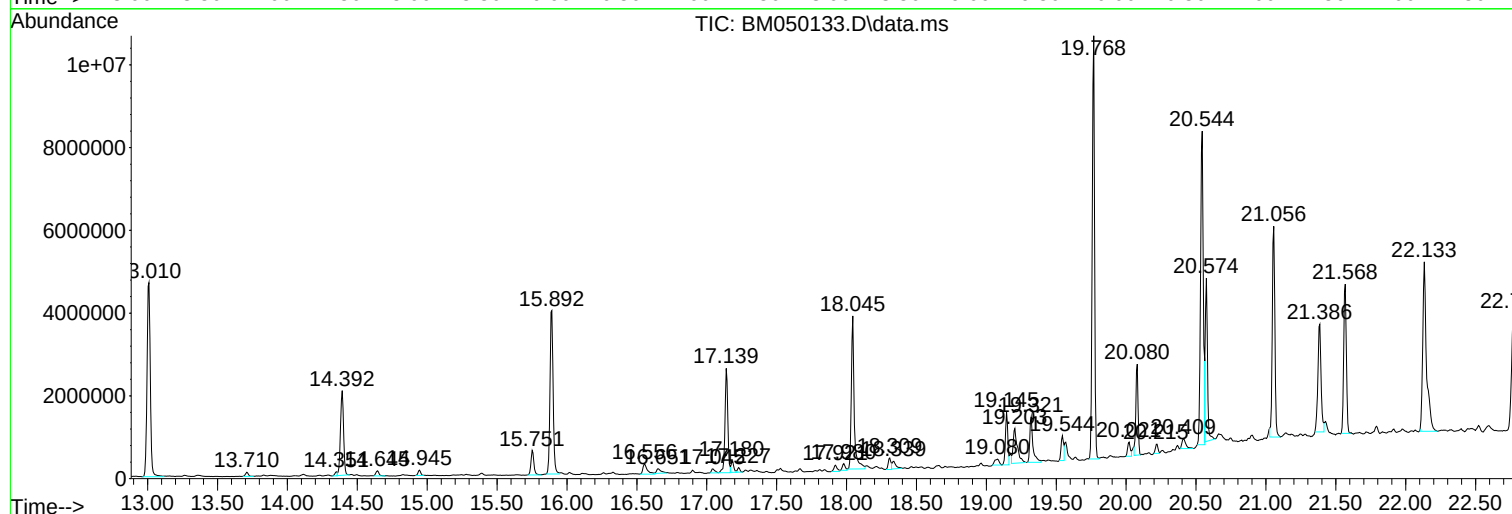
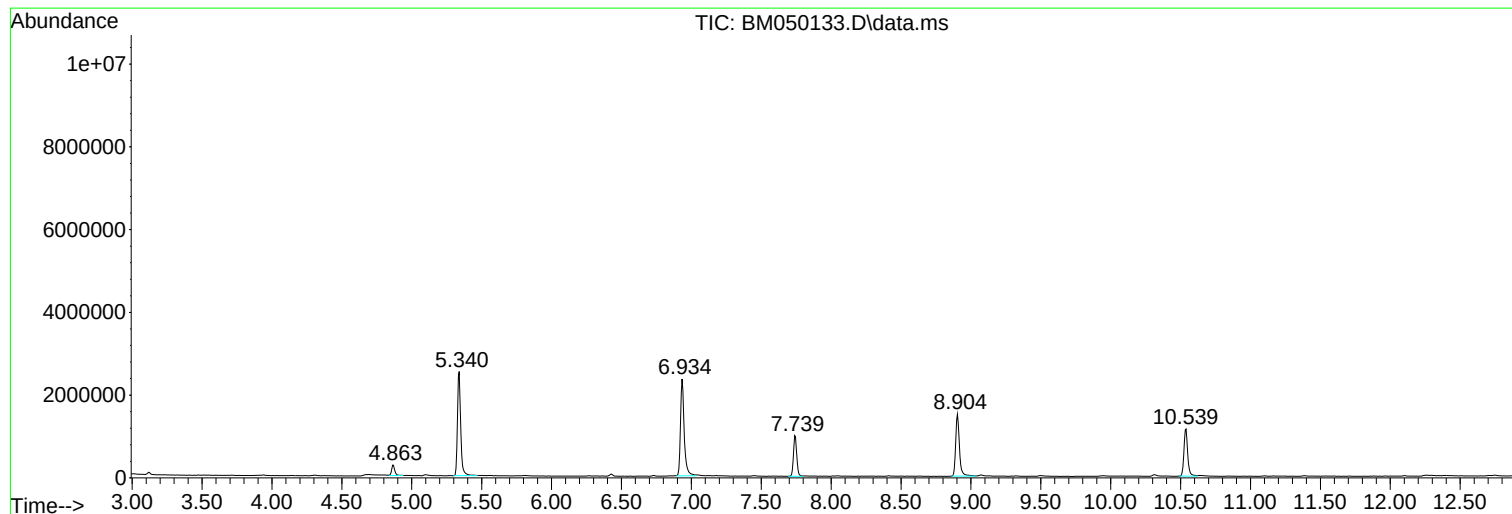
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Data File : BM050133.D
Acq On : 07 May 2025 13:12
Operator : RC/JU
Sample : Q1938-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050133.D
Acq On : 07 May 2025 13:12
Operator : RC/JU
Sample : Q1938-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-A

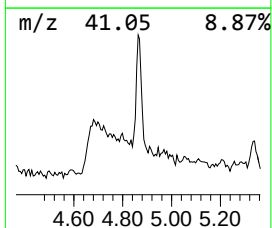
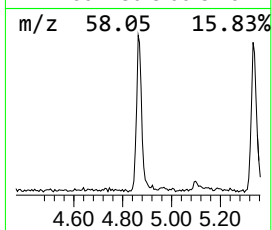
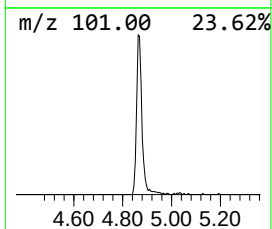
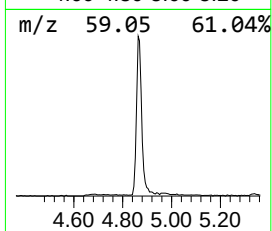
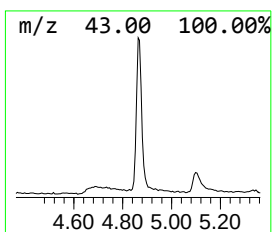
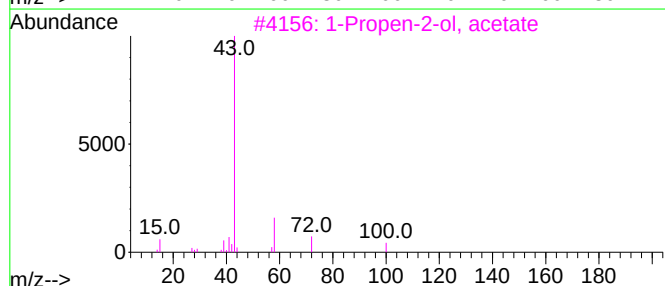
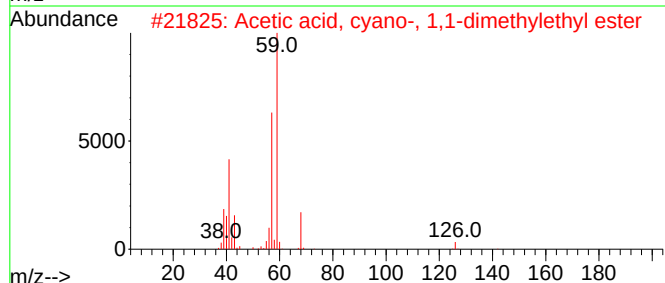
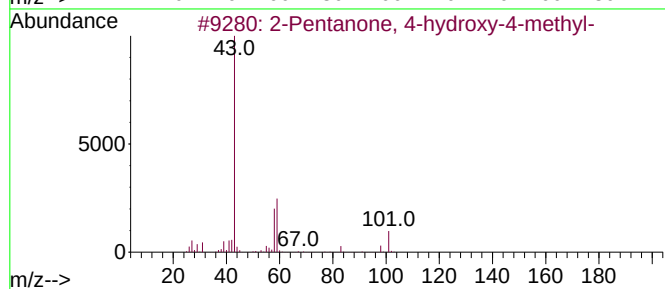
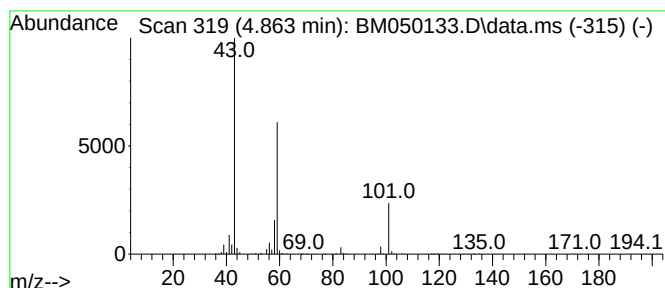
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.863	4.84 ng	389798	1,4-Dichlorobenzene-d4	7.739

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2			Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3			1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4			Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
5			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050133.D
Acq On : 07 May 2025 13:12
Operator : RC/JU
Sample : Q1938-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-A

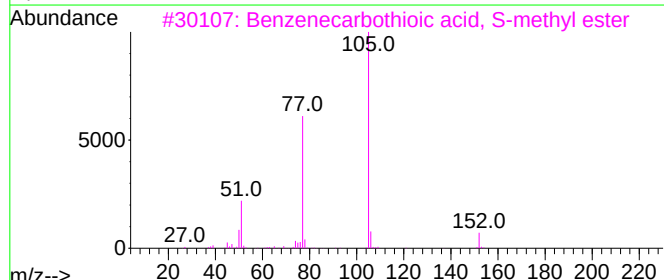
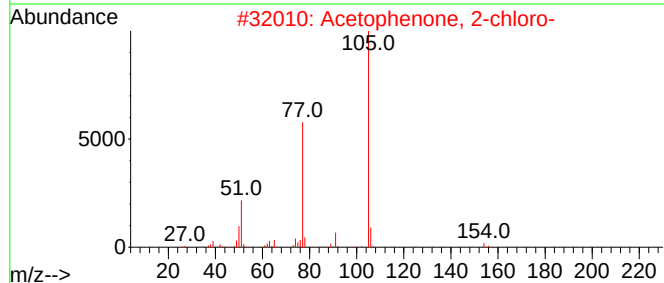
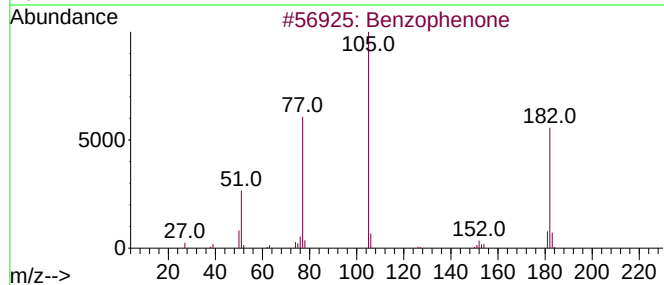
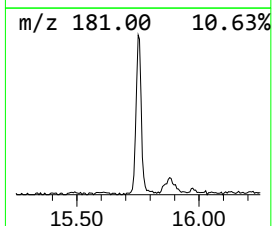
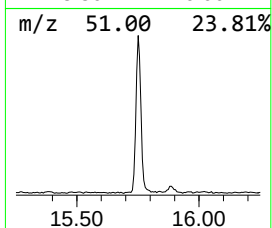
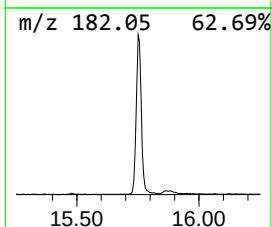
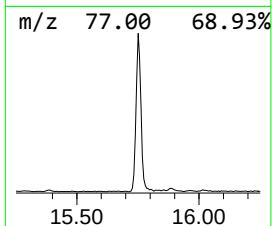
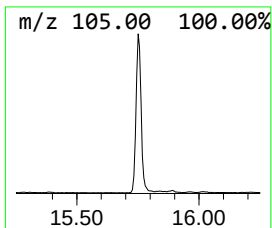
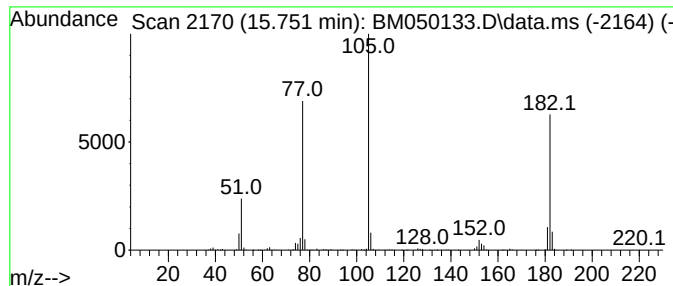
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Benzophenone Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.751	5.62 ng	876188	Acenaphthene-d10	14.392

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			Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	47
4			Benzenepropanenitrile, .beta.-oxo-	145	C9H7NO	000614-16-4	47
5			Benzeneacetic acid, .alpha.-oxo-...	164	C9H8O3	015206-55-0	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050133.D
Acq On : 07 May 2025 13:12
Operator : RC/JU
Sample : Q1938-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

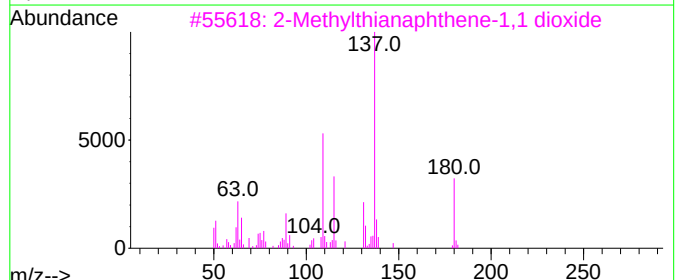
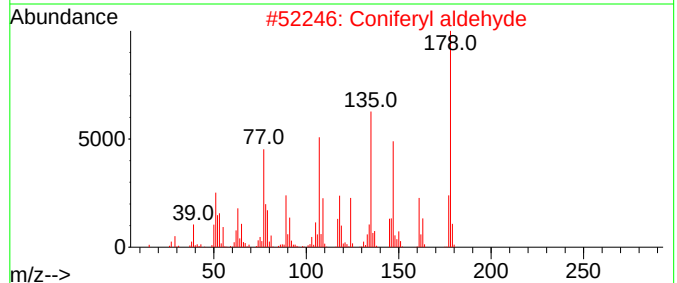
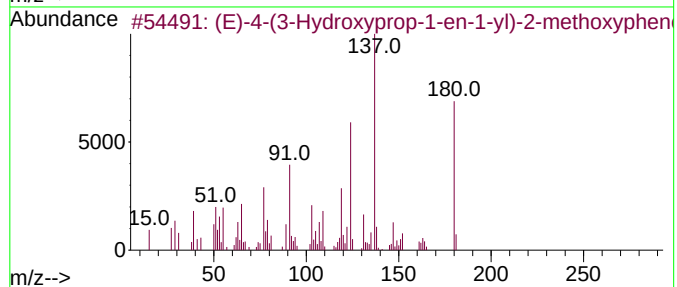
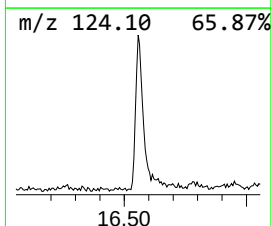
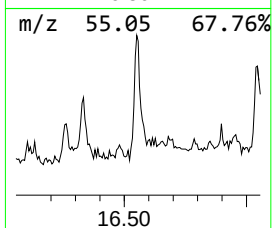
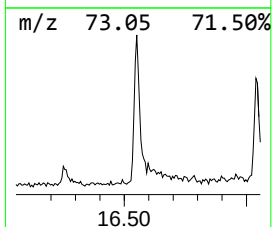
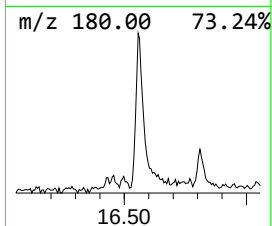
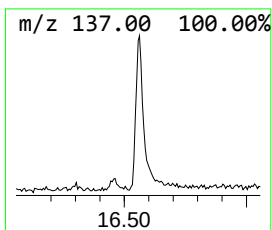
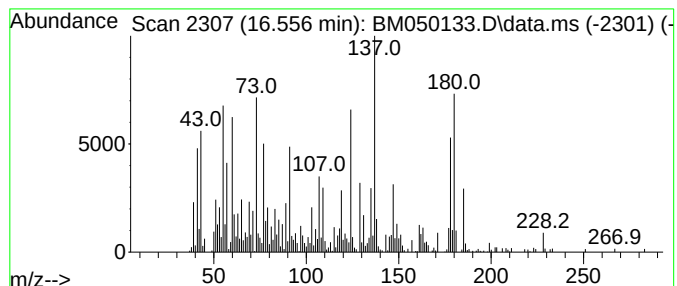
Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 (E)-4-(3-Hydroxyprop-1-en-1-yl) Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD		R.T.	
16.557	3.13 ng	561096	Phenanthrene-d10		17.139	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	(E)-4-(3-Hydroxyprop-1-en-1-yl)-...		180	C10H12O3	032811-40-8	78
2	Coniferyl aldehyde		178	C10H10O3	000458-36-6	59
3	2-Methylthianaphthene-1,1 dioxide		180	C9H8O2S	006224-55-1	42
4	3,7-Benzofurandiol, 2,3-dihydro-...		180	C10H12O3	017781-15-6	38
5	2(3H)-Benzoxazolone, 6-nitro-		180	C7H4N2O4	004694-91-1	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050133.D
Acq On : 07 May 2025 13:12
Operator : RC/JU
Sample : Q1938-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-A

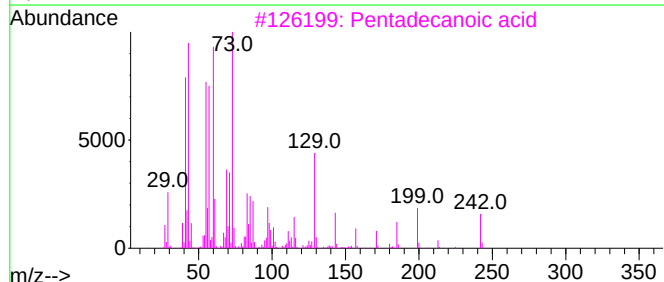
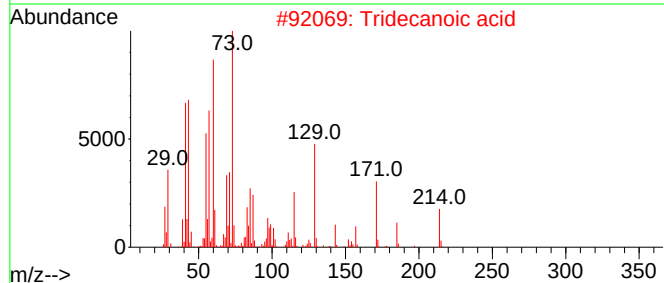
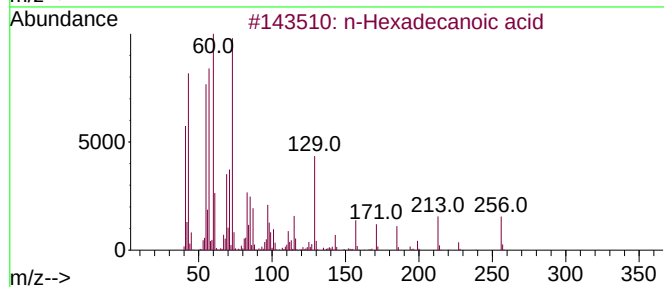
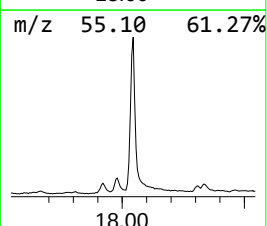
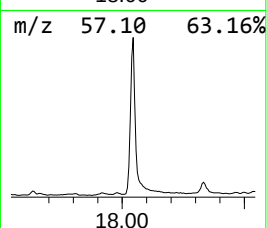
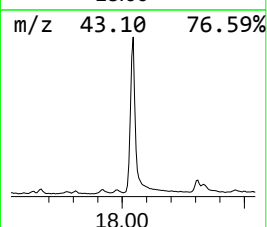
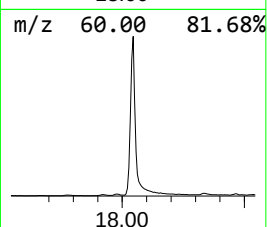
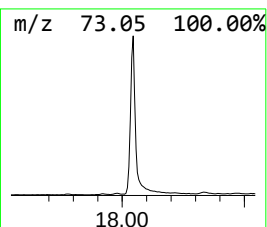
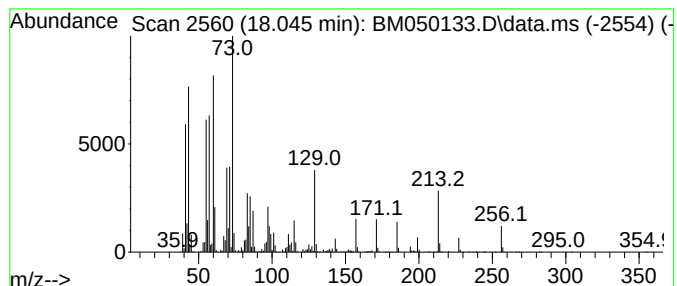
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.045	29.74 ng	5333980	Phenanthrene-d10	17.139

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2			Tridecanoic acid	214	C13H26O2	000638-53-9	92
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4			n-Decanoic acid	172	C10H20O2	000334-48-5	76
5			Tetradecanoic acid	228	C14H28O2	000544-63-8	74



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050133.D
Acq On : 07 May 2025 13:12
Operator : RC/JU
Sample : Q1938-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-A

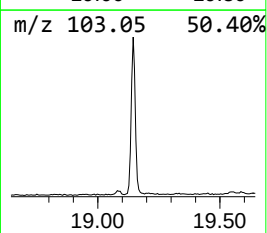
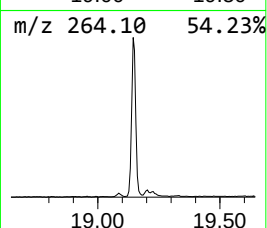
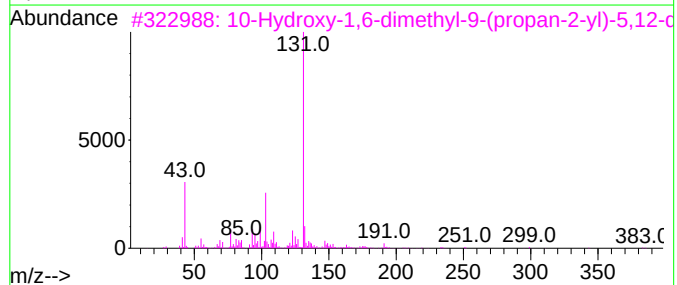
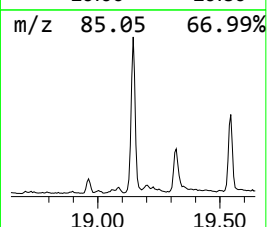
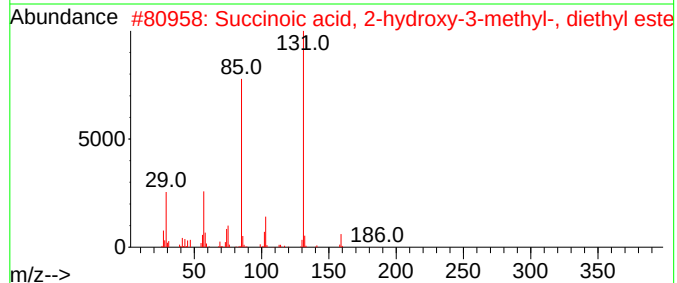
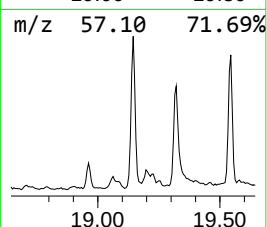
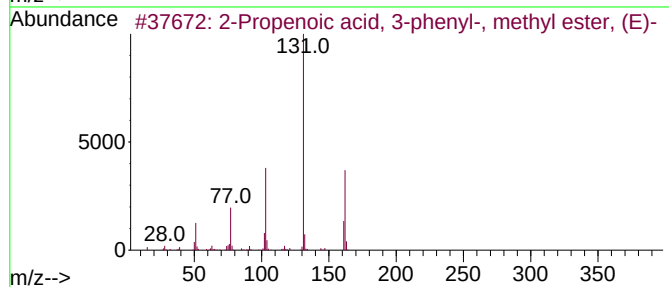
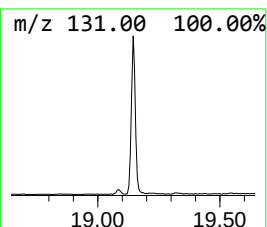
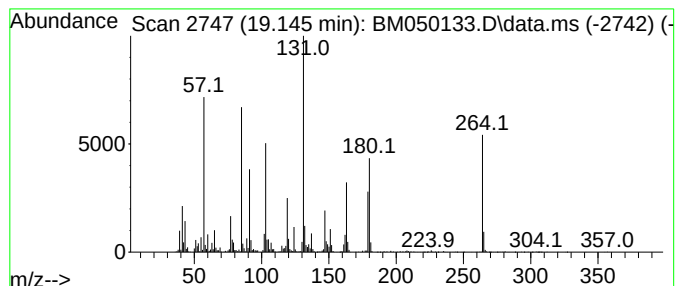
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 unknown19.145 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.145	8.62 ng	1545570	Phenanthrene-d10	17.139

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Propenoic acid, 3-phenyl-, met...	162	C10H10O2	001754-62-7	38
2			Succinic acid, 2-hydroxy-3-meth...	204	C9H16O5	1000196-85-6	27
3			10-Hydroxy-1,6-dimethyl-9-(propa...	442	C26H34O6	1000501-93-9	27
4			N-(3-Chlorophenyl)-3-phenyl-2-pr...	271	C16H14ClNO	1507357-48-3	22
5			3-Butenoic acid, 2-oxo-4-phenyl-	176	C10H8O3	1000142-21-0	22



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050133.D
Acq On : 07 May 2025 13:12
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Sample : Q1938-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
LOWER-WALL-PILE-A

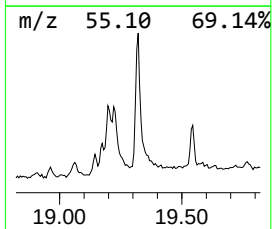
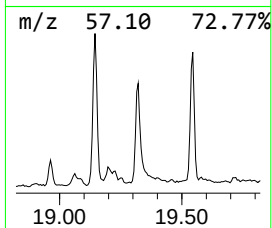
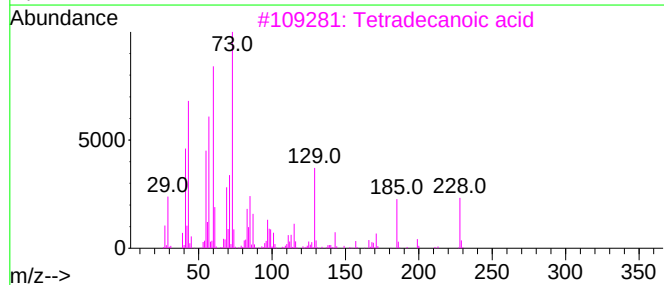
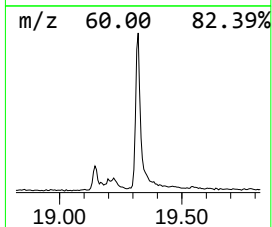
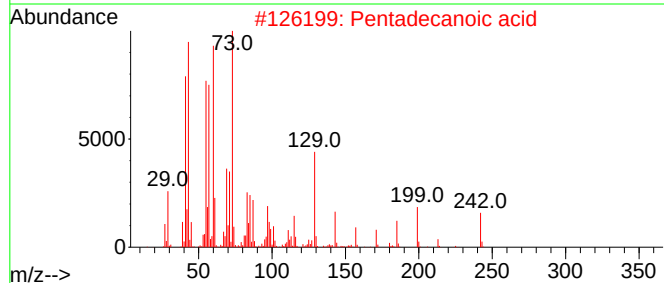
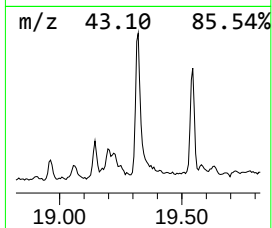
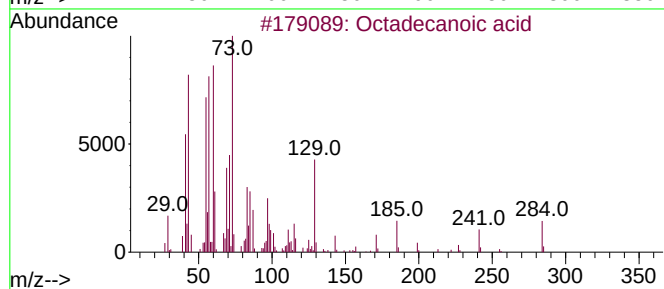
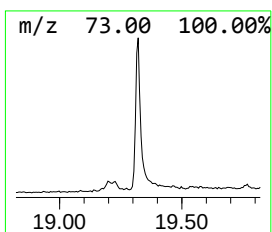
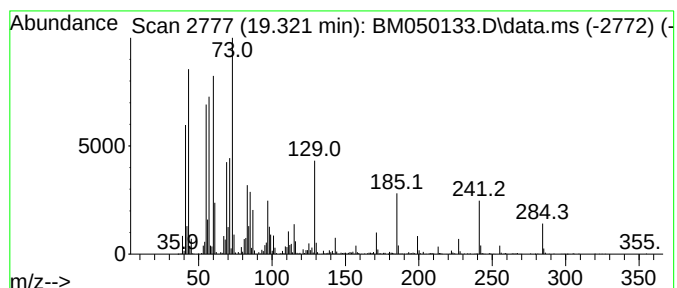
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Octadecanoic acid Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.321	8.20 ng	1719960	Chrysene-d12	21.386

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-Hexadecanoic acid	256	C16H32O2	000057-10-3	83
5			Tridecanoic acid	214	C13H26O2	000638-53-9	76



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
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Acq On : 07 May 2025 13:12
Operator : RC/JU
Sample : Q1938-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

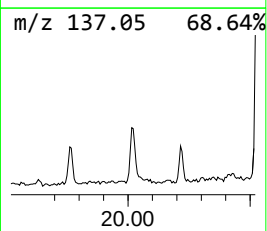
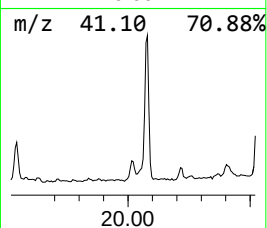
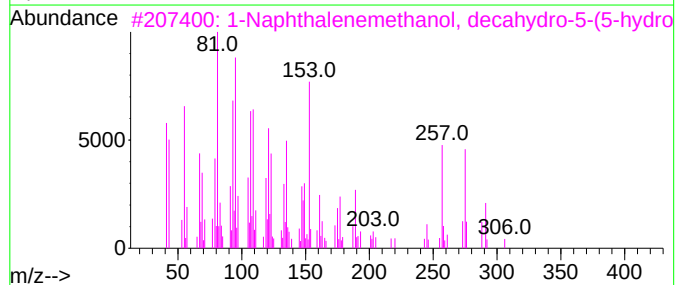
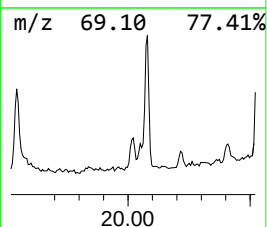
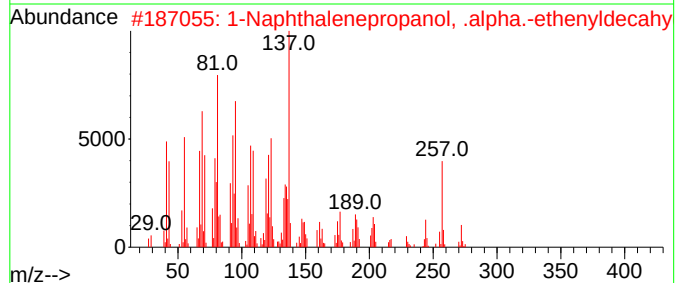
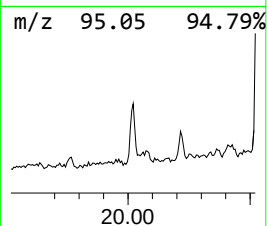
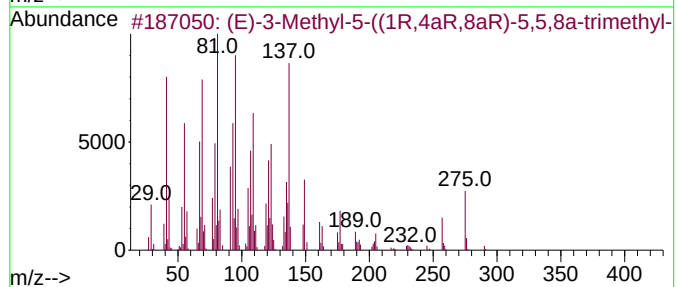
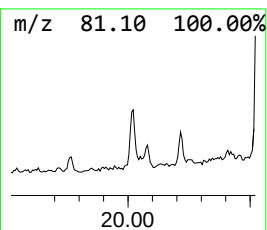
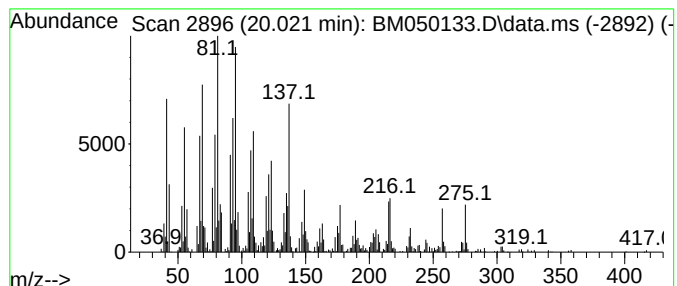
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 (E)-3-Methyl-5-((1R,4aR,8aR... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.	
20.021	2.35 ng	492572	Chrysene-d12	21.386	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Methyl-5-((1R,4aR,8aR)-5,5...	290	C20H34O	021738-29-4	99
2	1-Naphthalenepropanol, .alpha.-e...	290	C20H34O	001438-62-6	52
3	1-Naphthalenemethanol, decahydro...	306	C20H34O2	001857-24-5	47
4	photocitral B	152	C10H16O	006040-45-5	46
5	1-Naphthalenepropanol, .alpha.-e...	290	C20H34O	000596-85-0	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050133.D
Acq On : 07 May 2025 13:12
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Sample : Q1938-01
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Instrument :
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ClientSampleId :
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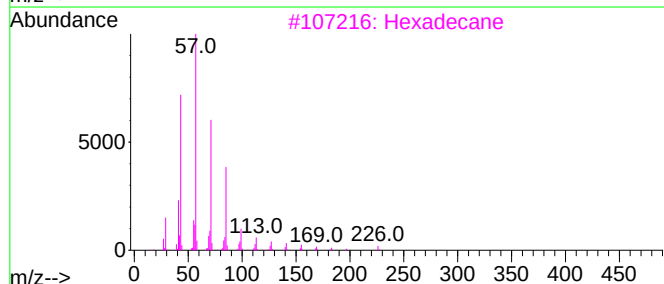
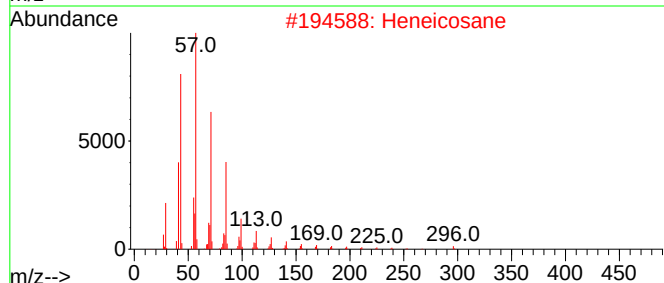
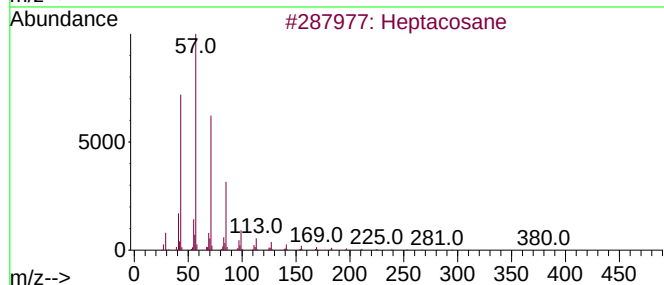
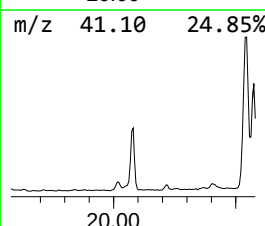
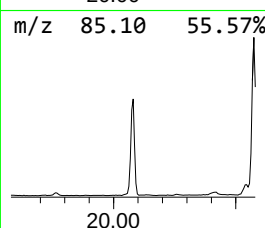
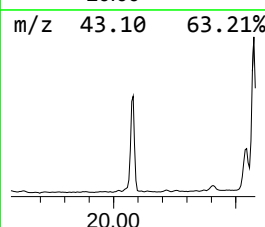
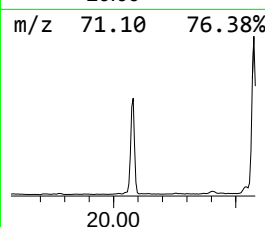
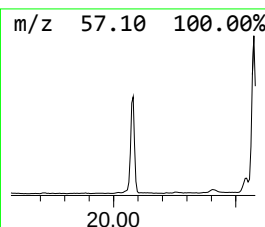
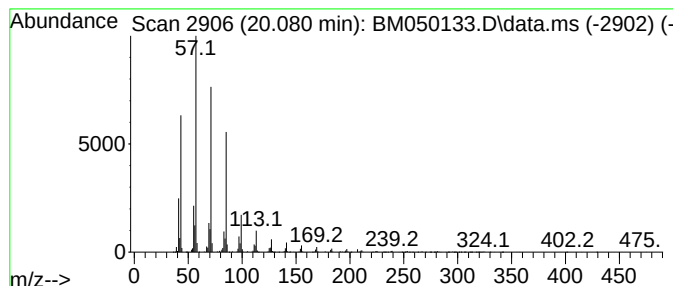
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Heptacosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.080	11.74 ng	2460990	Chrysene-d12	21.386

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptacosane	380	C27H56	000593-49-7	91
2			Heneicosane	296	C21H44	000629-94-7	91
3			Hexadecane	226	C16H34	000544-76-3	91
4			Tetracosane	338	C24H50	000646-31-1	91
5			Nonadecane	268	C19H40	000629-92-5	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
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Acq On : 07 May 2025 13:12
Operator : RC/JU
Sample : Q1938-01
Misc :
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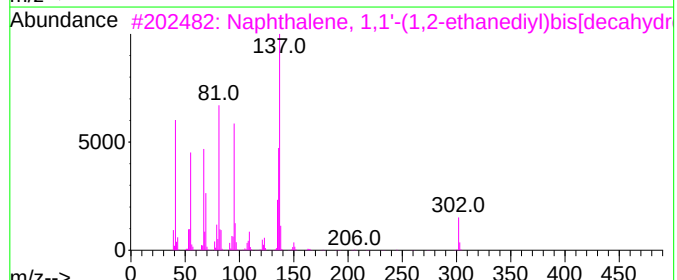
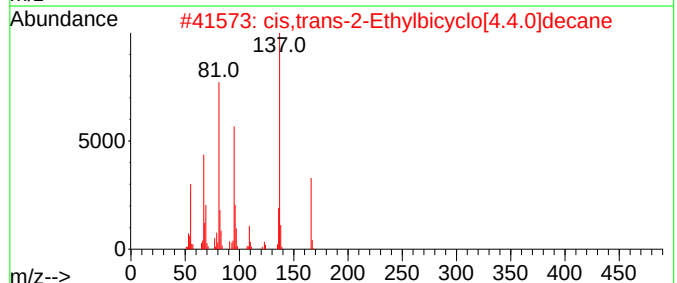
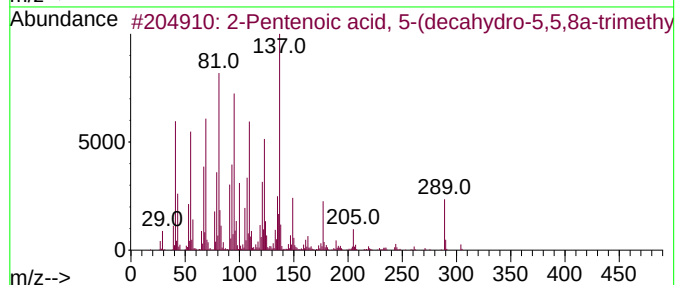
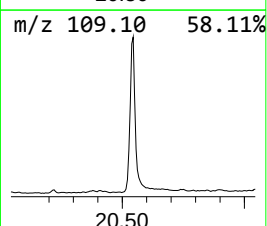
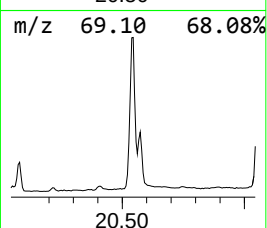
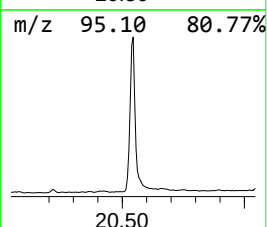
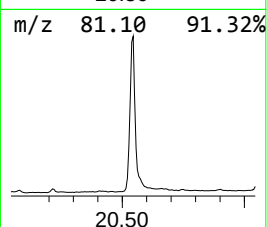
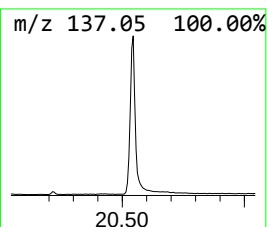
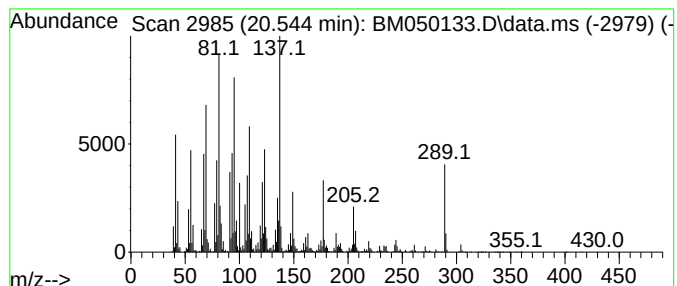
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 2-Pentenoic acid, 5-(decahy... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
20.544	52.15 ng	10936100	Chrysene-d12	21.386	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentenoic acid, 5-(decahydro-5...	304	C20H32O2	024470-48-2	99
2	cis,trans-2-Ethylbicyclo[4.4.0]d...	166	C12H22	066660-38-6	55
3	Naphthalene, 1,1'-(1,2-ethanedi...	302	C22H38	054934-69-9	49
4	Naphthalene, 1,1'-methylenebis[d...	288	C21H36	055125-02-5	49
5	Naphthalene, 1-(1,1-dimethylethy...	194	C14H26	056292-64-9	46



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050133.D
Acq On : 07 May 2025 13:12
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Instrument :
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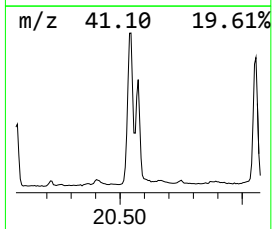
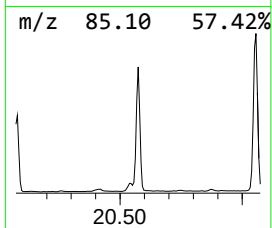
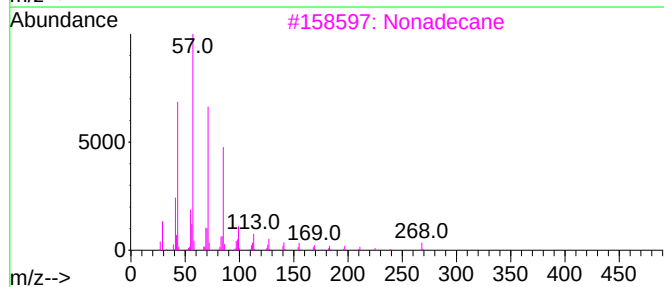
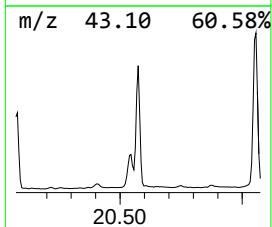
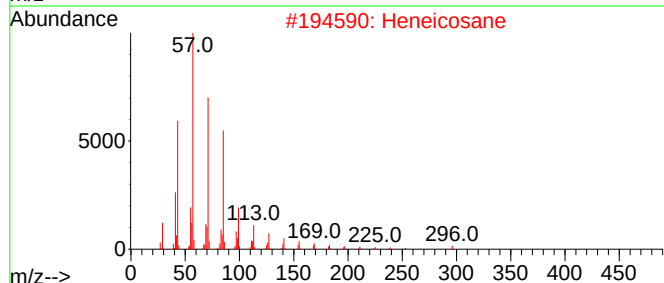
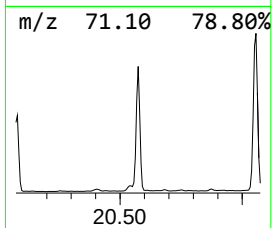
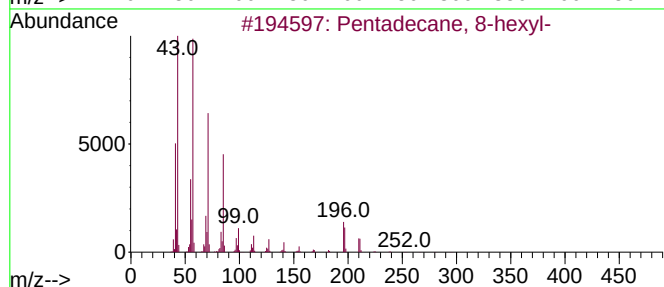
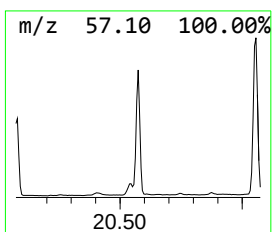
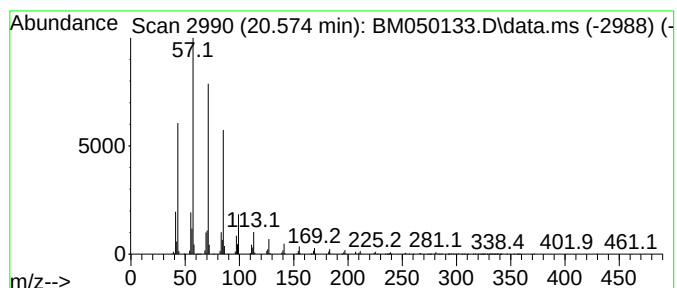
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Pentadecane, 8-hexyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.574	19.57 ng	4103730	Chrysene-d12	21.386

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	94
2		Heneicosane	296	C21H44	000629-94-7	91
3		Nonadecane	268	C19H40	000629-92-5	91
4		Heptacosane	380	C27H56	000593-49-7	87
5		Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	74



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050133.D
Acq On : 07 May 2025 13:12
Operator : RC/JU
Sample : Q1938-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

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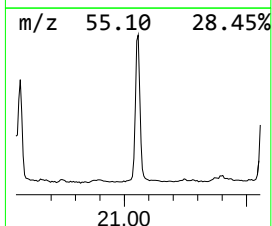
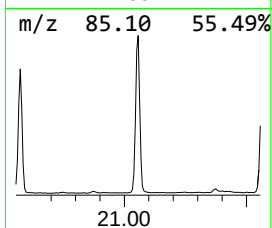
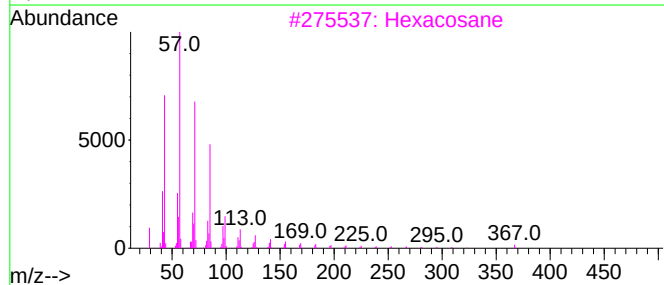
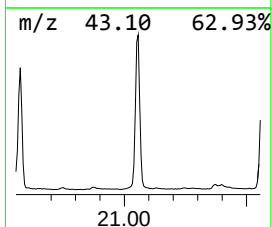
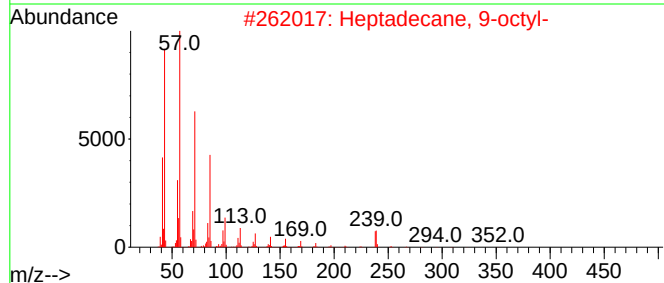
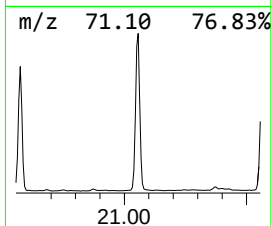
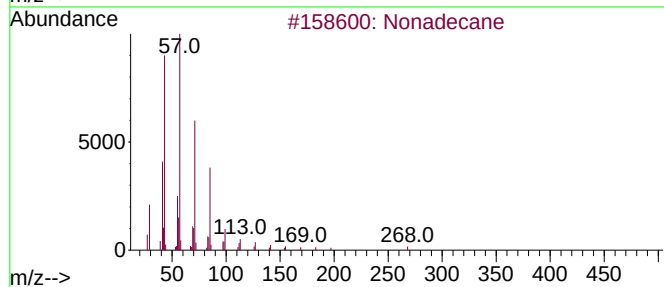
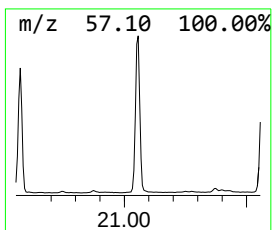
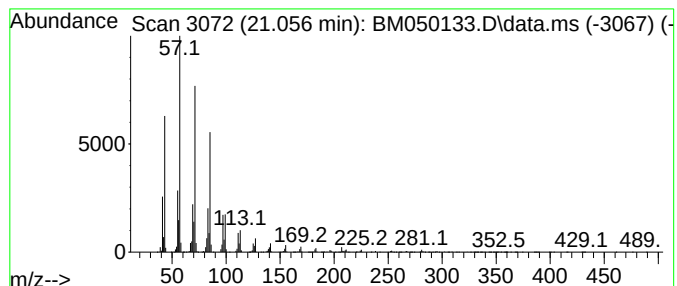
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Nonadecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.056	30.78 ng	6454250	Chrysene-d12	21.386

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonadecane	268	C19H40	000629-92-5	95
2			Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
3			Hexacosane	366	C26H54	000630-01-3	90
4			Sulfurous acid, dodecyl 2-propyl...	292	C15H32O3S	1000309-12-3	87
5			Octacosane, 2-methyl-	408	C29H60	001560-98-1	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
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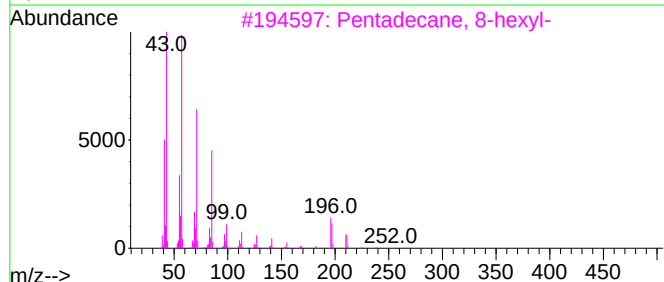
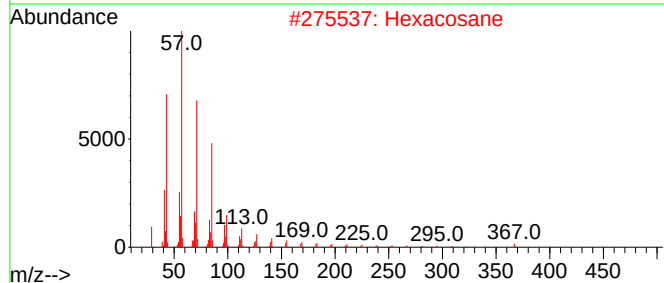
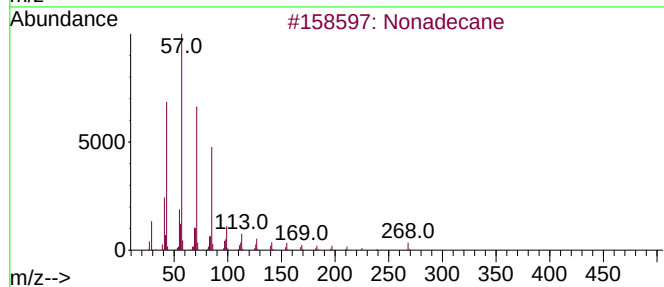
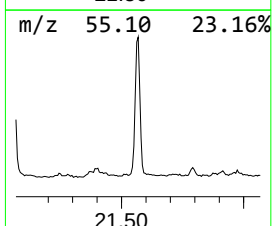
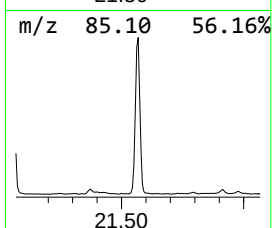
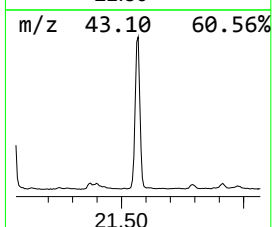
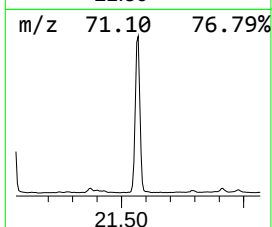
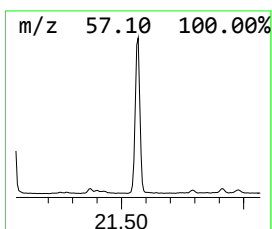
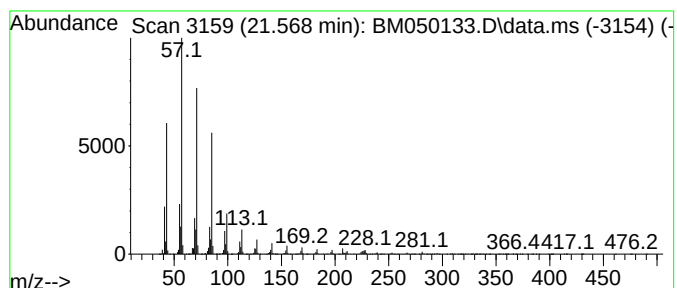
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Hexacosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD		R.T.	
21.568	22.73 ng	4766670	Chrysene-d12		21.386	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Nonadecane		268	C19H40	000629-92-5	94
2	Hexacosane		366	C26H54	000630-01-3	94
3	Pentadecane, 8-hexyl-		296	C21H44	013475-75-7	94
4	Docosane, 11-butyl-		366	C26H54	013475-76-8	94
5	Heneicosane, 11-pentyl-		366	C26H54	014739-72-1	91



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Data File : BM050133.D
Acq On : 07 May 2025 13:12
Operator : RC/JU
Sample : Q1938-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

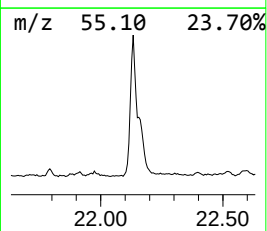
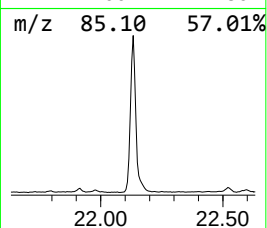
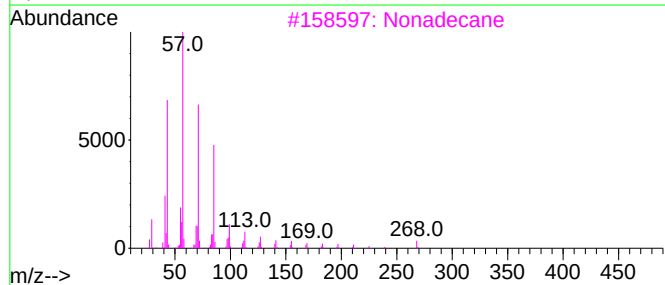
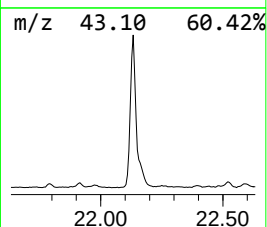
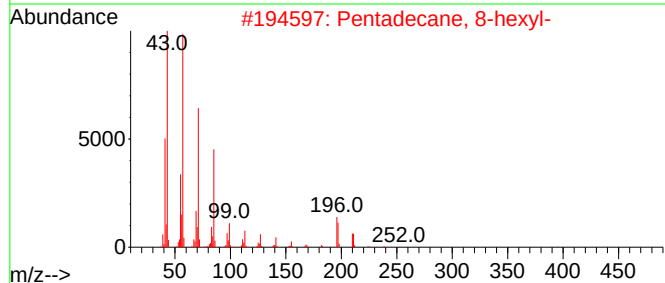
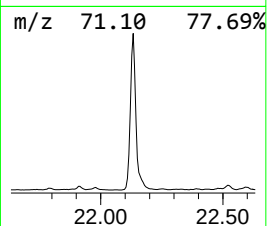
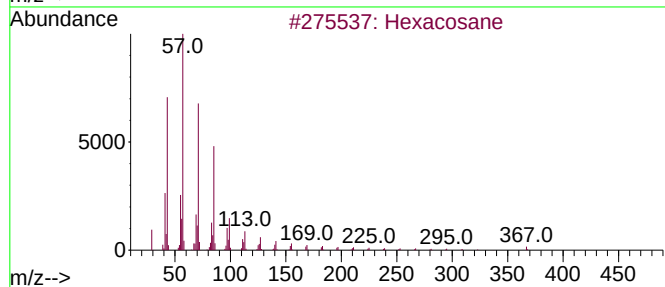
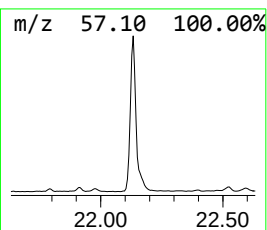
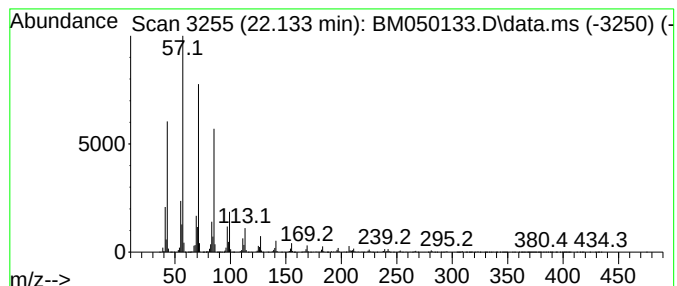
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ClientSampleId :
LOWER-WALL-PILE-A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Heptadecane, 9-octyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD		R.T.	
22.133	36.61 ng	7677510	Chrysene-d12		21.386	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Hexacosane		366	C26H54	000630-01-3	94
2	Pentadecane, 8-hexyl-		296	C21H44	013475-75-7	94
3	Nonadecane		268	C19H40	000629-92-5	93
4	Heptadecane, 9-octyl-		352	C25H52	007225-64-1	91
5	Heptacosane		380	C27H56	000593-49-7	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050133.D
Acq On : 07 May 2025 13:12
Operator : RC/JU
Sample : Q1938-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-A

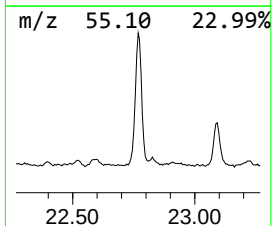
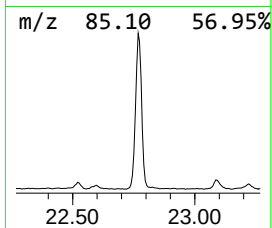
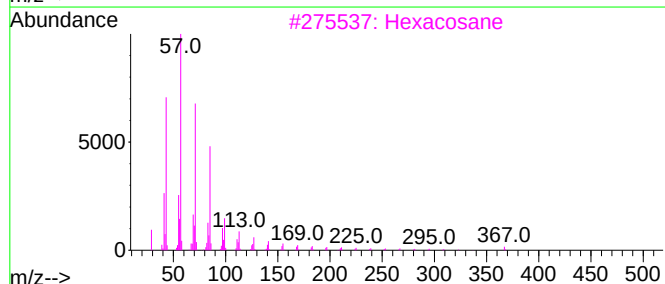
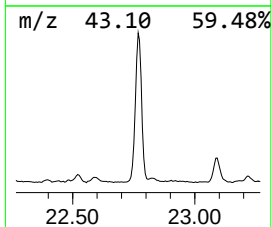
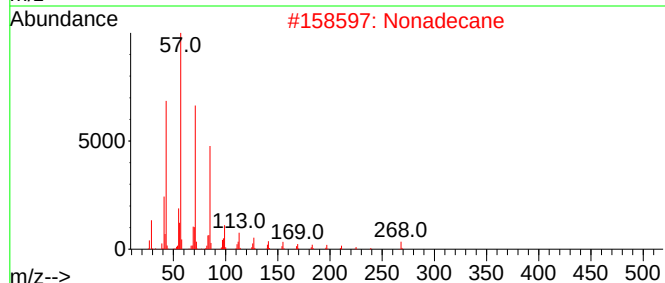
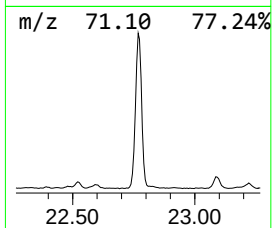
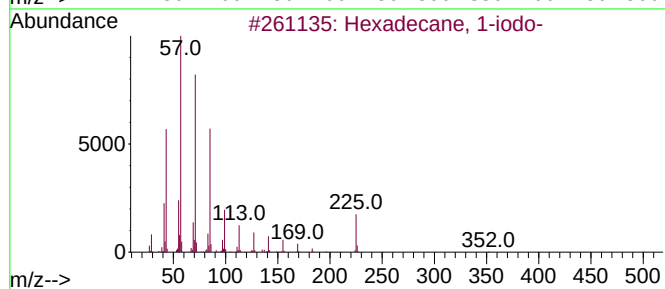
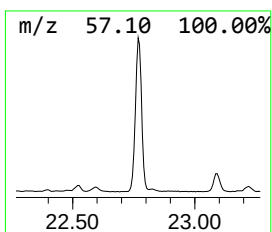
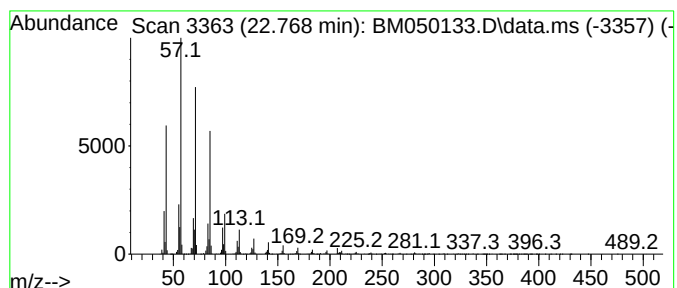
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Hexadecane, 1-iodo- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.768	23.93 ng	5016970	Chrysene-d12	21.386

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Hexadecane, 1-iodo-	352	C16H33I	000544-77-4	95
2		Nonadecane	268	C19H40	000629-92-5	94
3		Hexacosane	366	C26H54	000630-01-3	94
4		Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	94
5		Heneicosane	296	C21H44	000629-94-7	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050133.D
Acq On : 07 May 2025 13:12
Operator : RC/JU
Sample : Q1938-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

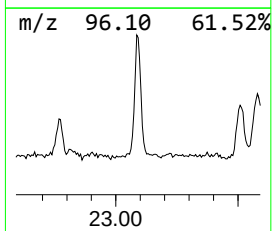
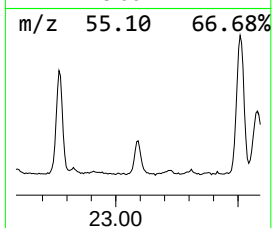
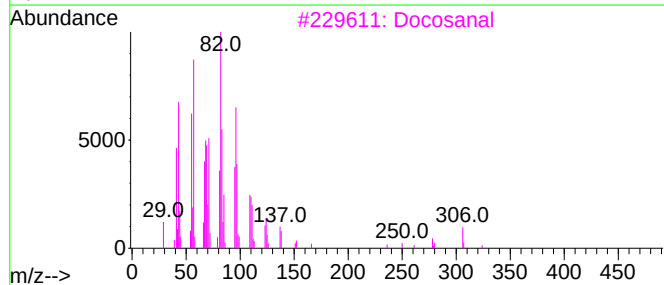
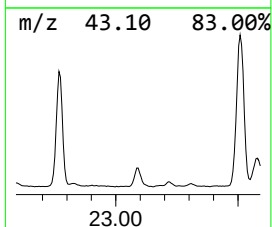
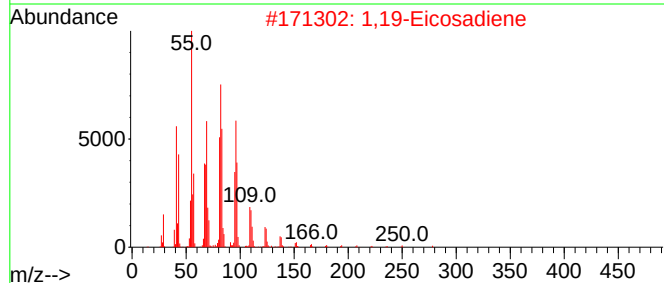
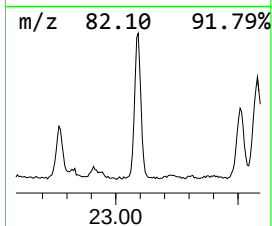
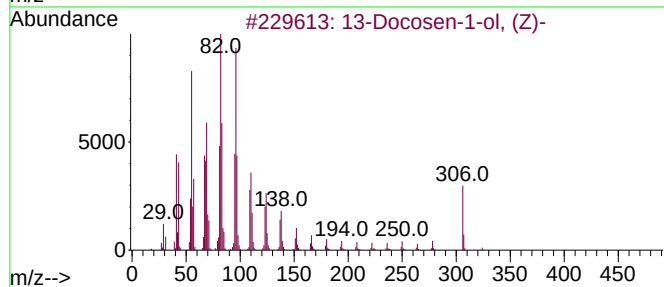
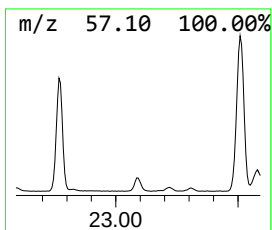
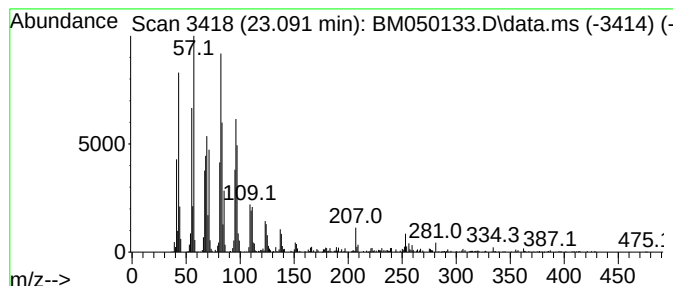
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ClientSampleId :
LOWER-WALL-PILE-A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 13-Docosen-1-ol, (Z)- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD		R.T.	
23.091	3.05 ng	1226370	Perylene-d12		24.380	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	13-Docosen-1-ol, (Z)-		324	C22H44O	000629-98-1	96
2	1,19-Eicosadiene		278	C20H38	014811-95-1	94
3	Docosanal		324	C22H44O	057402-36-5	94
4	Oxirane, hexadecyl-		268	C18H36O	007390-81-0	91
5	Oxirane, heptadecyl-		282	C19H38O	067860-04-2	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050133.D
Acq On : 07 May 2025 13:12
Operator : RC/JU
Sample : Q1938-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-A

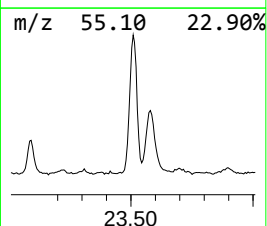
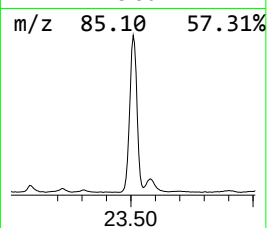
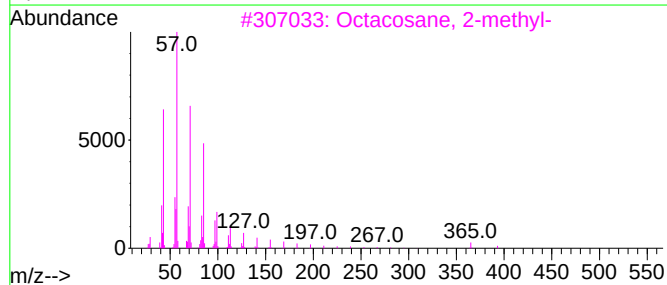
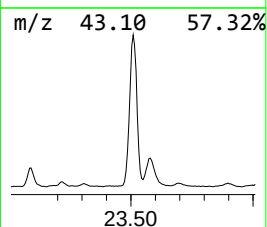
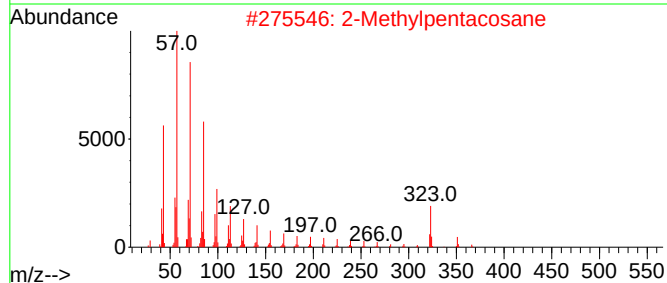
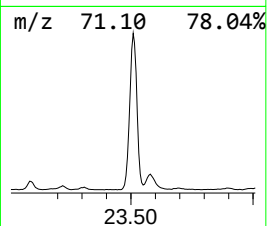
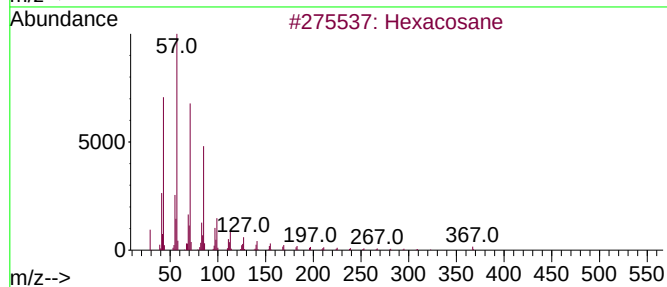
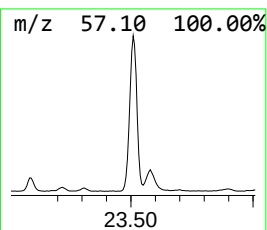
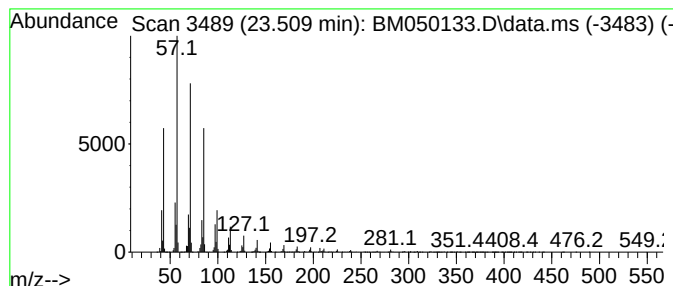
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 2-Methylpentacosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.509	19.05 ng	7663610	Perylene-d12	24.380

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexacosane	366	C26H54	000630-01-3	94
2			2-Methylpentacosane	366	C26H54	000629-87-8	94
3			Octacosane, 2-methyl-	408	C29H60	001560-98-1	91
4			Dotriacontane, 1-iodo-	576	C32H65I	1000406-32-4	91
5			Heptacosane	380	C27H56	000593-49-7	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050133.D
Acq On : 07 May 2025 13:12
Operator : RC/JU
Sample : Q1938-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

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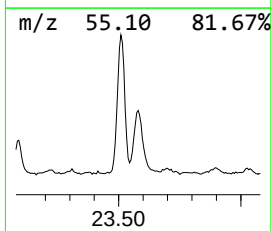
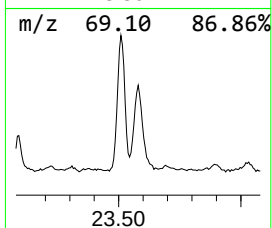
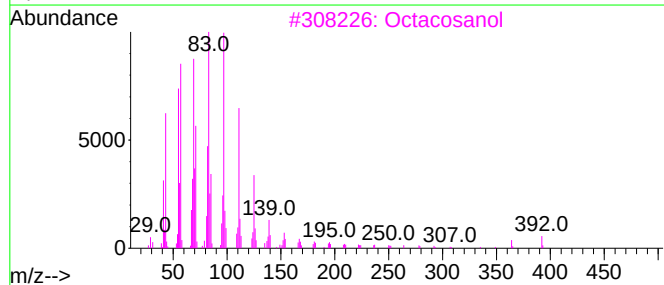
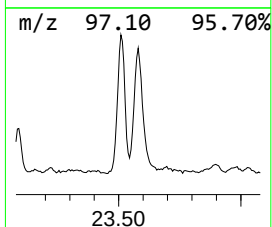
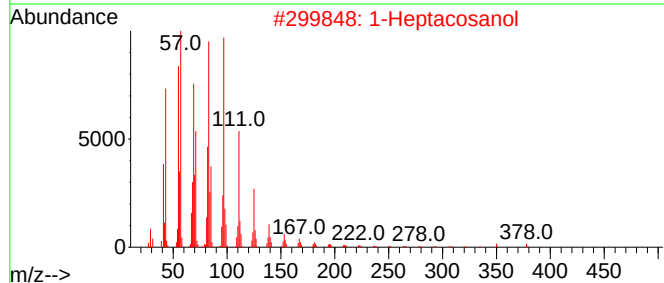
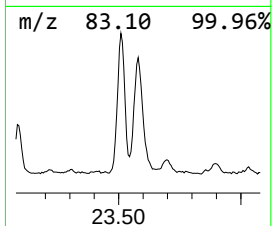
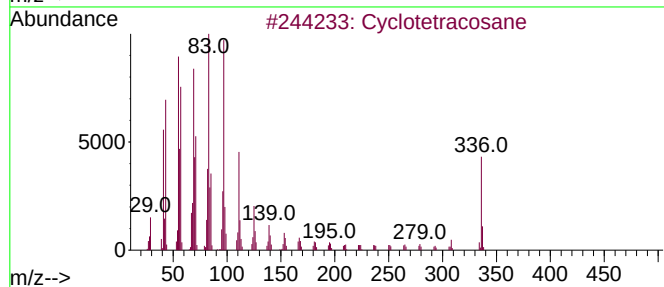
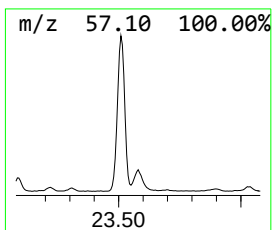
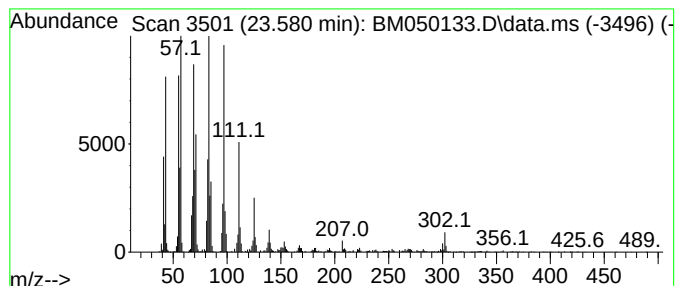
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Cyclotetracosane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.579	6.34 ng	2551210	Perylene-d12	24.380

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclotetracosane	336	C24H48	000297-03-0	98
2			1-Heptacosanol	396	C27H56O	002004-39-9	95
3			Octacosanol	410	C28H58O	000557-61-9	95
4			1-Heneicosyl formate	340	C22H44O2	077899-03-7	95
5			Pentacos-1-ene	350	C25H50	016980-85-1	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050133.D
Acq On : 07 May 2025 13:12
Operator : RC/JU
Sample : Q1938-01
Misc :
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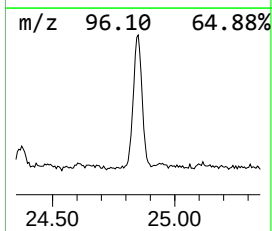
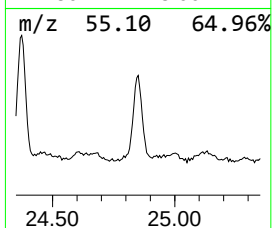
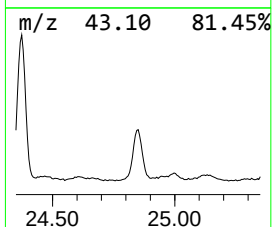
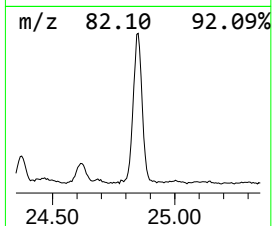
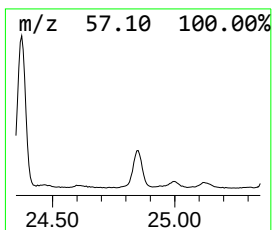
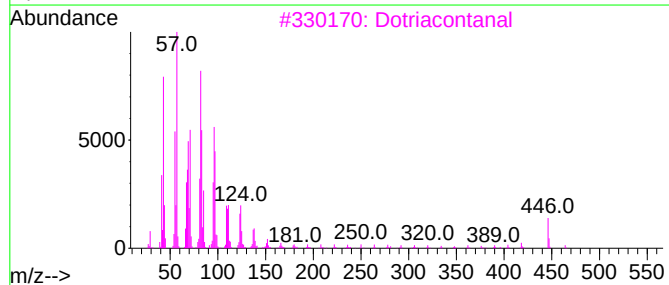
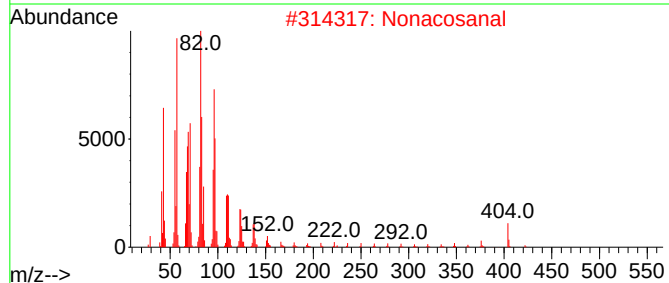
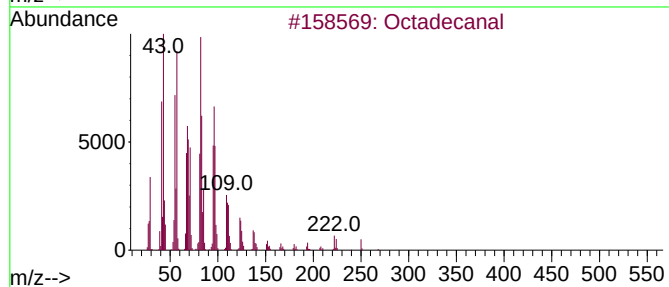
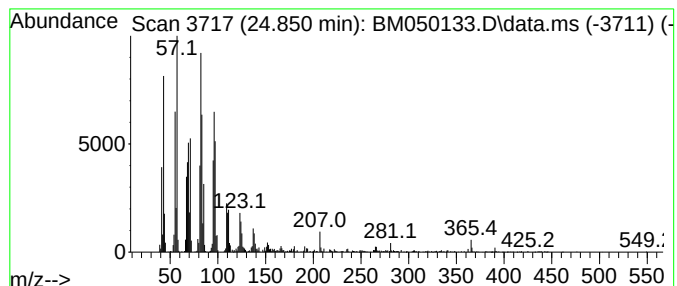
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Octadecanal Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
24.850	6.33 ng	2548480	Perylene-d12	24.380	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanal	268	C18H36O	000638-66-4	95
2	Nonacosanal	422	C29H58O	072934-04-4	95
3	Dotriacontanal	464	C32H64O	057878-00-9	94
4	Disparlure	282	C19H38O	029804-22-6	93
5	Hexacosanal	380	C26H52O	026627-85-0	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050133.D
Acq On : 07 May 2025 13:12
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Sample : Q1938-01
Misc :
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Instrument :
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ClientSampleId :
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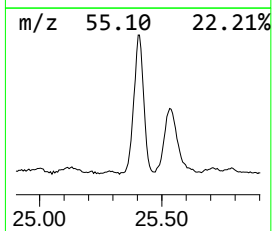
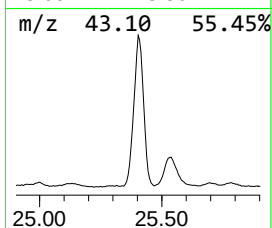
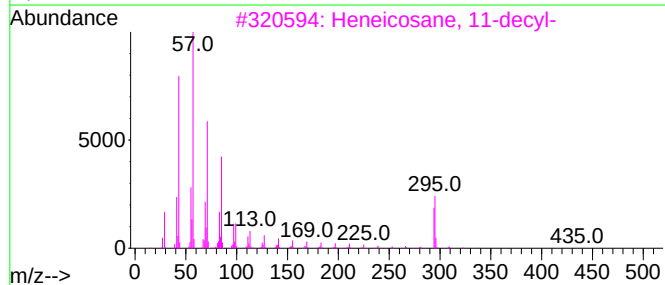
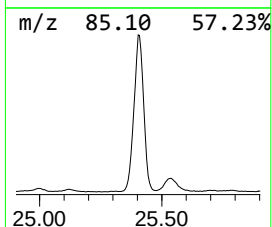
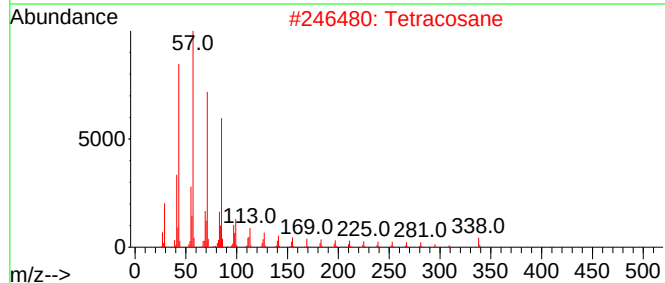
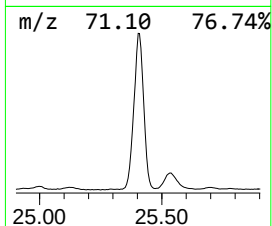
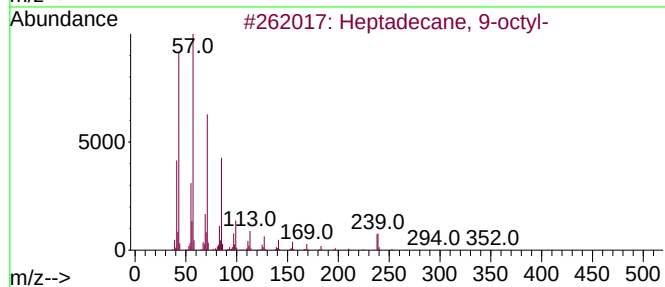
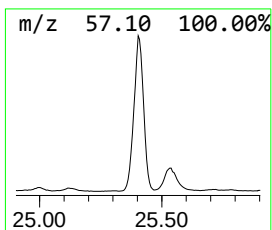
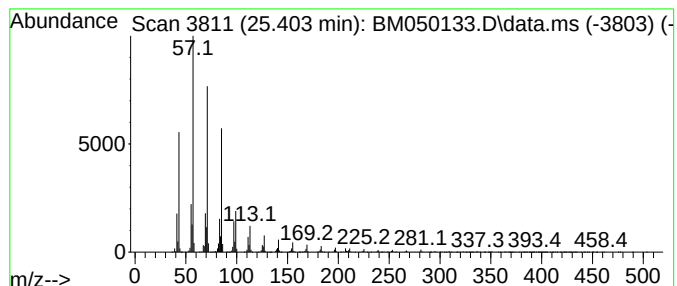
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Tetracosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.403	23.77 ng	9563320	Perylene-d12	24.380

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptadecane, 9-octyl-	352	C25H52	007225-64-1	95
2		Tetracosane	338	C24H50	000646-31-1	95
3		Heneicosane, 11-decyl-	437	C31H64	055320-06-4	95
4		Eicosane, 10-methyl-	296	C21H44	054833-23-7	93
5		Dotriacontane, 1-iodo-	576	C32H65I	1000406-32-4	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050133.D
Acq On : 07 May 2025 13:12
Operator : RC/JU
Sample : Q1938-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-A

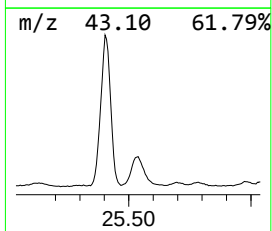
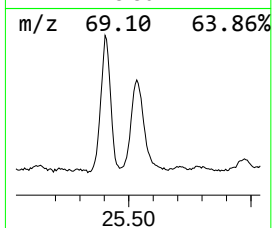
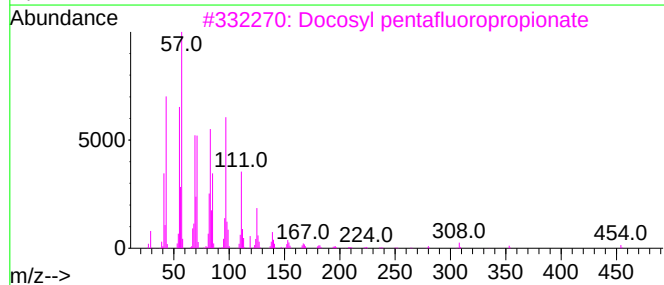
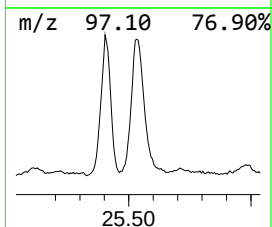
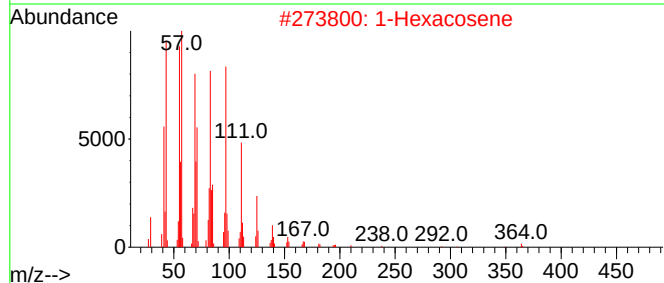
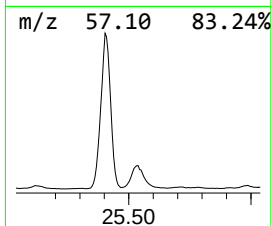
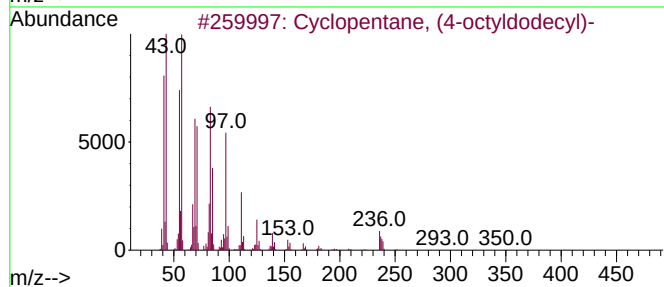
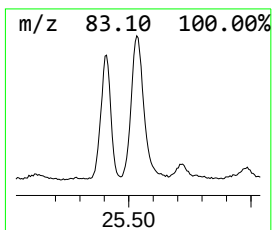
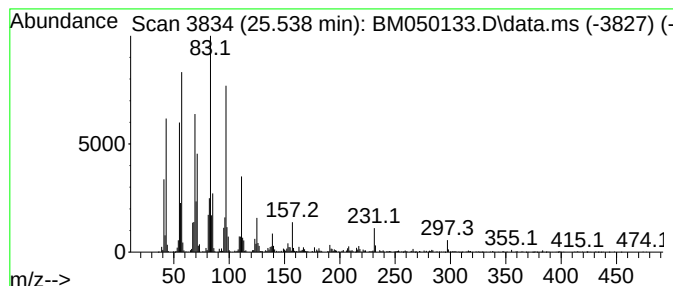
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Cyclopentane, (4-octyldodec... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.538	9.32 ng	3749770	Perylene-d12	24.380

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, (4-octyldodecyl)-	350	C25H50	005638-09-5	64
2			1-Hexacosene	364	C26H52	018835-33-1	60
3			Docosyl pentafluoropropionate	472	C25H45F5O2	1000351-80-9	60
4			Tetracosyl heptafluorobutyrate	550	C28H49F7O2	1000351-83-7	60
5			Octacosyl acetate	452	C30H60O2	018206-97-8	55



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050133.D
Acq On : 07 May 2025 13:12
Operator : RC/JU
Sample : Q1938-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-...	4.863	4.8	ng	389798	1	7.739	1610430	20.0
Benzophenone	15.751	5.6	ng	876188	3	14.392	3116280	20.0
(E)-4-(3-Hydrox...	16.557	3.1	ng	561096	4	17.139	3586760	20.0
n-Hexadecanoic ...	18.045	29.7	ng	5333980	4	17.139	3586760	20.0
unknown19.145	19.145	8.6	ng	1545570	4	17.139	3586760	20.0
Octadecanoic acid	19.321	8.2	ng	1719960	5	21.386	4193720	20.0
(E)-3-Methyl-5-...	20.021	2.4	ng	492572	5	21.386	4193720	20.0
Heptacosane	20.080	11.7	ng	2460990	5	21.386	4193720	20.0
2-Pentenoic aci...	20.544	52.1	ng	10936100	5	21.386	4193720	20.0
Pentadecane, 8-...	20.574	19.6	ng	4103730	5	21.386	4193720	20.0
Nonadecane	21.056	30.8	ng	6454250	5	21.386	4193720	20.0
Hexacosane	21.568	22.7	ng	4766670	5	21.386	4193720	20.0
Heptadecane, 9-...	22.133	36.6	ng	7677510	5	21.386	4193720	20.0
Hexadecane, 1-i...	22.768	23.9	ng	5016970	5	21.386	4193720	20.0
13-Docosen-1-ol...	23.091	3.0	ng	1226370	6	24.380	8046350	20.0
2-Methylpentaco...	23.509	19.1	ng	7663610	6	24.380	8046350	20.0
Cyclotetracosane	23.579	6.3	ng	2551210	6	24.380	8046350	20.0
Octadecanal	24.850	6.3	ng	2548480	6	24.380	8046350	20.0
Tetracosane	25.403	23.8	ng	9563320	6	24.380	8046350	20.0
Cyclopentane, (...)	25.538	9.3	ng	3749770	6	24.380	8046350	20.0

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	05/01/25
Project:	Stan Hope	Date Received:	05/01/25
Client Sample ID:	LOWER-WALL-PILE-B	SDG No.:	Q1938
Lab Sample ID:	Q1938-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	96.6
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
BM050120.D	1	05/05/25 09:35	05/06/25 15:20	PB167857

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	160	U	160	340	ug/Kg
108-95-2	Phenol	22.9	U	22.9	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	25.1	U	25.1	180	ug/Kg
95-57-8	2-Chlorophenol	25.3	U	25.3	180	ug/Kg
95-48-7	2-Methylphenol	30.9	U	30.9	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	38.8	U	38.8	180	ug/Kg
98-86-2	Acetophenone	30.5	U	30.5	180	ug/Kg
65794-96-9	3+4-Methylphenols	42.5	U	42.5	340	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	49.1	U	49.1	82.8	ug/Kg
67-72-1	Hexachloroethane	18.2	U	18.2	180	ug/Kg
98-95-3	Nitrobenzene	18.9	U	18.9	180	ug/Kg
78-59-1	Isophorone	33.9	U	33.9	180	ug/Kg
88-75-5	2-Nitrophenol	60.2	U	60.2	180	ug/Kg
105-67-9	2,4-Dimethylphenol	67.1	U	67.1	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	31.9	U	31.9	180	ug/Kg
120-83-2	2,4-Dichlorophenol	29.3	U	29.3	180	ug/Kg
91-20-3	Naphthalene	23.5	U	23.5	180	ug/Kg
106-47-8	4-Chloroaniline	36.6	UQ	36.6	180	ug/Kg
87-68-3	Hexachlorobutadiene	26.2	U	26.2	180	ug/Kg
105-60-2	Caprolactam	53.9	U	53.9	340	ug/Kg
59-50-7	4-Chloro-3-methylphenol	29.7	U	29.7	180	ug/Kg
91-57-6	2-Methylnaphthalene	26.5	U	26.5	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	340	ug/Kg
88-06-2	2,4,6-Trichlorophenol	20.5	U	20.5	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	30.1	U	30.1	180	ug/Kg
92-52-4	1,1-Biphenyl	22.6	U	22.6	180	ug/Kg
91-58-7	2-Chloronaphthalene	23.3	U	23.3	180	ug/Kg
88-74-4	2-Nitroaniline	49.8	U	49.8	180	ug/Kg
131-11-3	Dimethylphthalate	28.0	U	28.0	180	ug/Kg

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	05/01/25
Project:	Stan Hope	Date Received:	05/01/25
Client Sample ID:	LOWER-WALL-PILE-B	SDG No.:	Q1938
Lab Sample ID:	Q1938-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	96.6
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
BM050120.D	1	05/05/25 09:35	05/06/25 15:20	PB167857

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	29.9	U	29.9	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	34.8	U	34.8	180	ug/Kg
99-09-2	3-Nitroaniline	47.6	U	47.6	180	ug/Kg
83-32-9	Acenaphthene	22.0	U	22.0	180	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	340	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	340	ug/Kg
132-64-9	Dibenzofuran	23.5	U	23.5	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	51.8	U	51.8	180	ug/Kg
84-66-2	Diethylphthalate	29.3	U	29.3	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	27.6	U	27.6	180	ug/Kg
86-73-7	Fluorene	26.2	U	26.2	180	ug/Kg
100-01-6	4-Nitroaniline	66.4	U	66.4	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	340	ug/Kg
86-30-6	n-Nitrosodiphenylamine	34.0	U	34.0	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	28.8	U	28.8	180	ug/Kg
118-74-1	Hexachlorobenzene	26.2	U	26.2	180	ug/Kg
1912-24-9	Atrazine	35.2	U	35.2	180	ug/Kg
87-86-5	Pentachlorophenol	53.1	U	53.1	340	ug/Kg
85-01-8	Phenanthrene	21.6	U	21.6	180	ug/Kg
120-12-7	Anthracene	34.5	U	34.5	180	ug/Kg
86-74-8	Carbazole	32.3	U	32.3	180	ug/Kg
84-74-2	Di-n-butylphthalate	49.6	U	49.6	180	ug/Kg
206-44-0	Fluoranthene	84.4	J	31.0	180	ug/Kg
129-00-0	Pyrene	98.2	J	37.3	180	ug/Kg
85-68-7	Butylbenzylphthalate	73.9	U	73.9	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	38.0	UQ	38.0	340	ug/Kg
56-55-3	Benzo(a)anthracene	23.8	U	23.8	180	ug/Kg
218-01-9	Chrysene	20.6	U	20.6	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	61.3	U	61.3	180	ug/Kg
117-84-0	Di-n-octyl phthalate	89.8	U	89.8	340	ug/Kg
205-99-2	Benzo(b)fluoranthene	95.1	J	19.7	180	ug/Kg

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	05/01/25
Project:	Stan Hope	Date Received:	05/01/25
Client Sample ID:	LOWER-WALL-PILE-B	SDG No.:	Q1938
Lab Sample ID:	Q1938-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	96.6
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
BM050120.D	1	05/05/25 09:35	05/06/25 15:20	PB167857

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	23.2	U	23.2	180	ug/Kg
50-32-8	Benzo(a)pyrene	72.1	J	30.5	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	30.1	U	30.1	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	28.4	U	28.4	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	26.6	U	26.6	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	26.5	U	26.5	180	ug/Kg
123-91-1	1,4-Dioxane	46.8	U	46.8	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	28.4	U	28.4	180	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	71.0		30 (18) - 130 (112)	47%	SPK: 150
13127-88-3	Phenol-d6	71.7		30 (15) - 130 (107)	48%	SPK: 150
4165-60-0	Nitrobenzene-d5	41.9		30 (18) - 130 (107)	42%	SPK: 100
321-60-8	2-Fluorobiphenyl	41.9		30 (20) - 130 (109)	42%	SPK: 100
118-79-6	2,4,6-Tribromophenol	70.9		30 (10) - 130 (116)	47%	SPK: 150
1718-51-0	Terphenyl-d14	48.2		30 (10) - 130 (105)	48%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	314000	7.746
1146-65-2	Naphthalene-d8	1150000	10.539
15067-26-2	Acenaphthene-d10	769000	14.392
1517-22-2	Phenanthrene-d10	1470000	17.139
1719-03-5	Chrysene-d12	1290000	21.386
1520-96-3	Perylene-d12	1330000	24.374

TENTATIVE IDENTIFIED COMPOUNDS

000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	150	AB	4.87	ug/Kg
000080-56-8	.alpha.-Pinene	71.1	J	6.43	ug/Kg
006753-98-6	Humulene	75.2	J	14.1	ug/Kg
000119-61-9	Benzophenone	180	J	15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	430	J	18.0	ug/Kg
000057-11-4	Octadecanoic acid	86.6	J	19.3	ug/Kg
024470-48-2	2-Pentenoic acid, 5-(decahydro-5,5	990	J	20.5	ug/Kg

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	05/01/25
Project:	Stan Hope	Date Received:	05/01/25
Client Sample ID:	LOWER-WALL-PILE-B	SDG No.:	Q1938
Lab Sample ID:	Q1938-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	96.6
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
BM050120.D	1	05/05/25 09:35	05/06/25 15:20	PB167857

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
000295-65-8	Cyclohexadecane	200	J		21.1	ug/Kg
000112-95-8	Eicosane	220	J		23.5	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
 Data File : BM050120.D
 Acq On : 06 May 2025 15:20
 Operator : RC/JU
 Sample : Q1938-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOWER-WALL-PILE-B

Quant Time: May 06 16:11:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

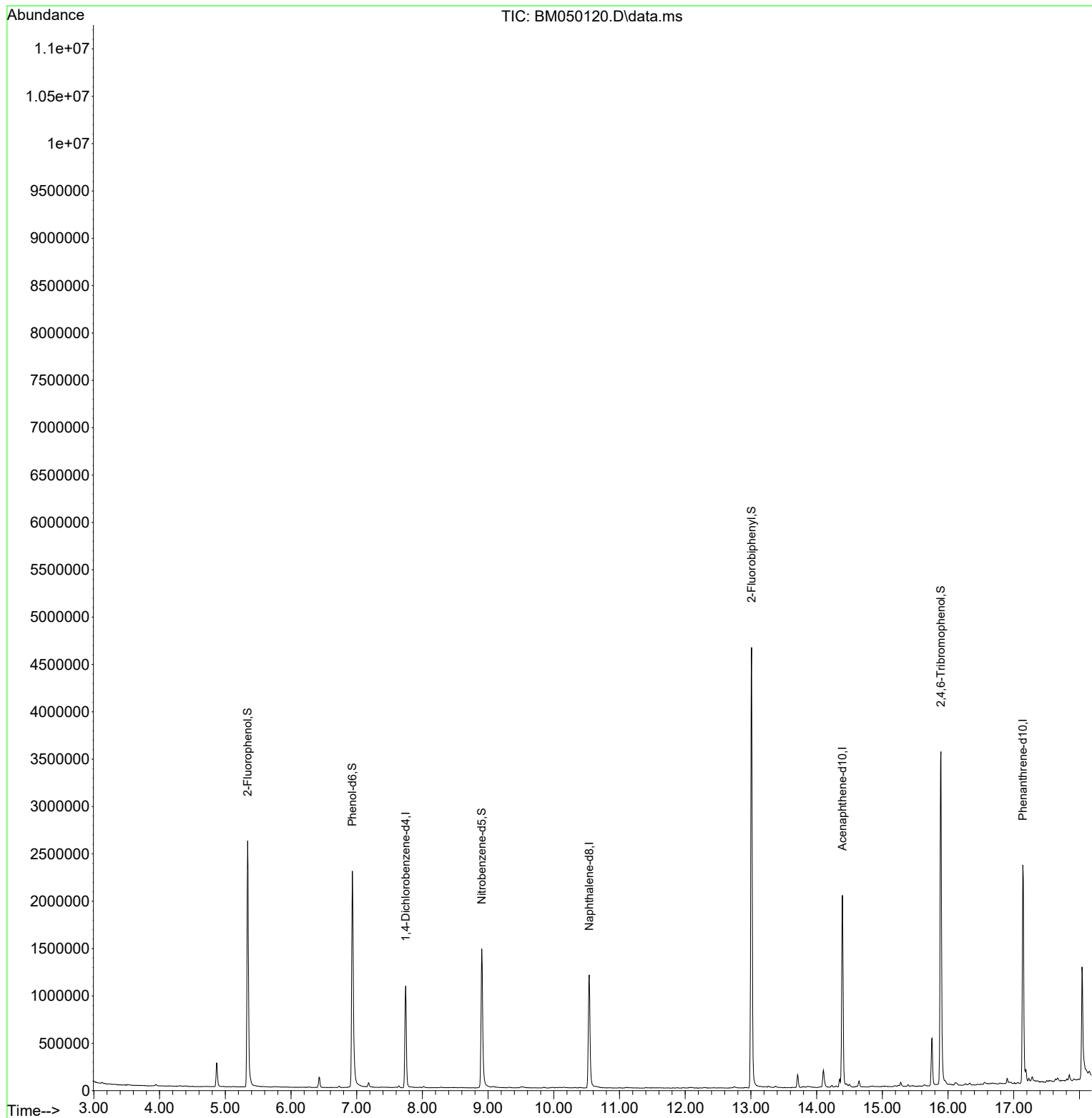
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.746	152	313931	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	1147046	20.000	ng	-0.02
39) Acenaphthene-d10	14.392	164	769427	20.000	ng	-0.02
64) Phenanthrene-d10	17.139	188	1473166	20.000	ng	-0.02
76) Chrysene-d12	21.386	240	1291742	20.000	ng	-0.01
86) Perylene-d12	24.374	264	1325884	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1272945	71.004	ng	-0.02
7) Phenol-d6	6.934	99	1615896	71.712	ng	-0.02
23) Nitrobenzene-d5	8.904	82	976378	41.945	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	806981	70.931	ng	-0.01
45) 2-Fluorobiphenyl	13.010	172	2722476	41.858	ng	-0.02
79) Terphenyl-d14	19.768	244	4203647	48.154	ng	-0.01
Target Compounds						Qvalue
75) Fluoranthene	19.204	202	238848	2.448	ng	97
78) Pyrene	19.568	202	258217	2.847	ng	99
88) Benzo(b)fluoranthene	23.433	252	237651	2.756	ng	# 85
90) Benzo(a)pyrene	24.239	252	168717	2.089	ng	# 89

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
Data File : BM050120.D
Acq On : 06 May 2025 15:20
Operator : RC/JU
Sample : Q1938-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-B

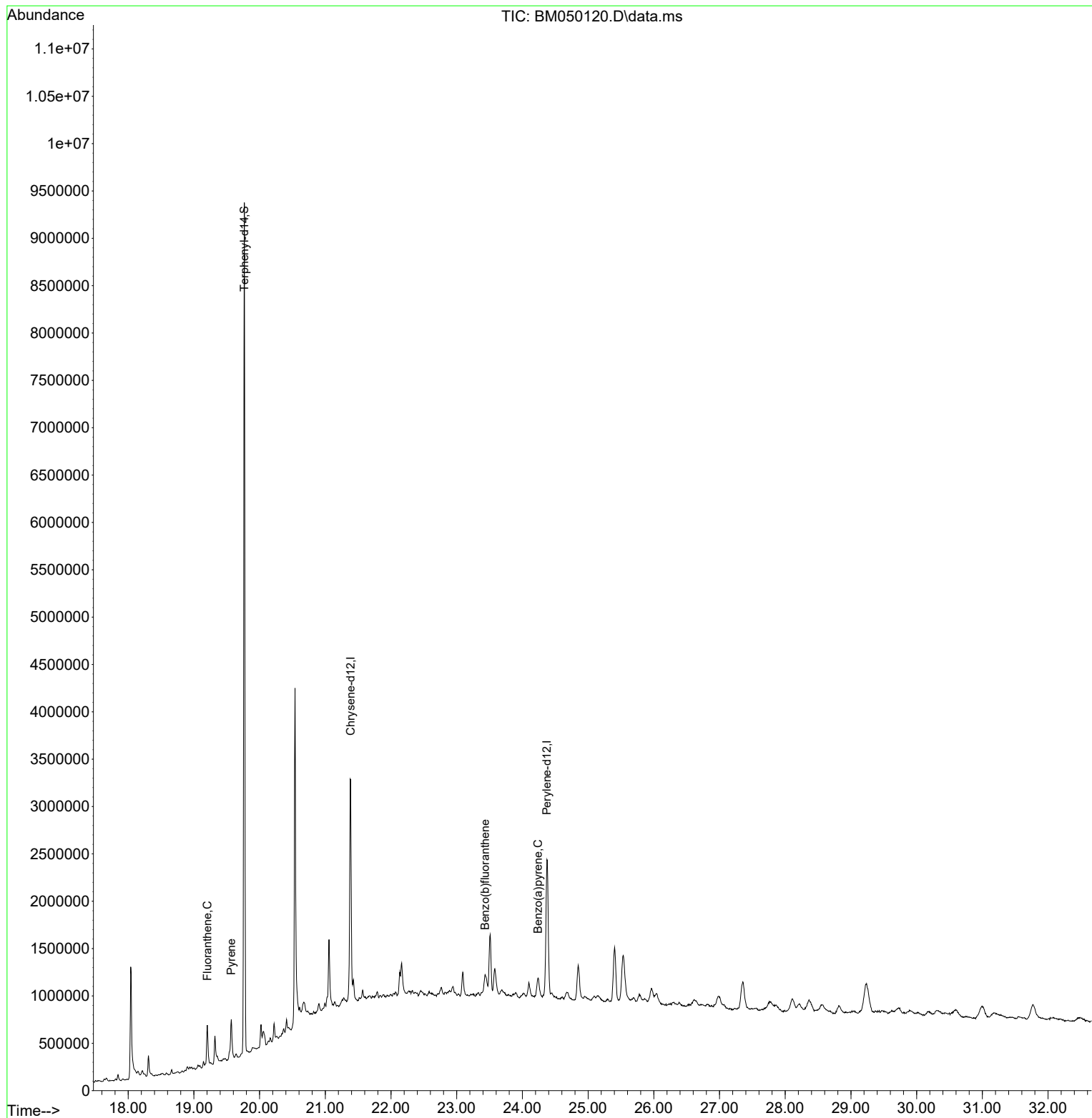
Quant Time: May 06 16:11:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

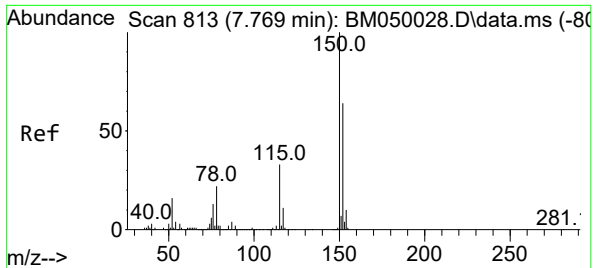


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Data File : BM050120.D
Acq On : 06 May 2025 15:20
Operator : RC/JU
Sample : Q1938-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-B

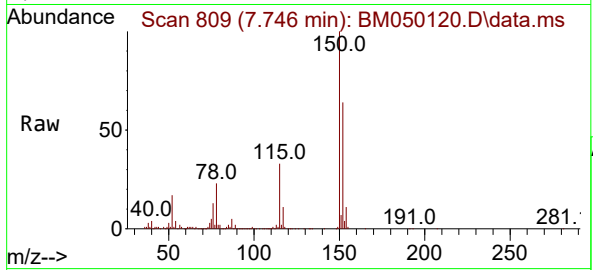
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



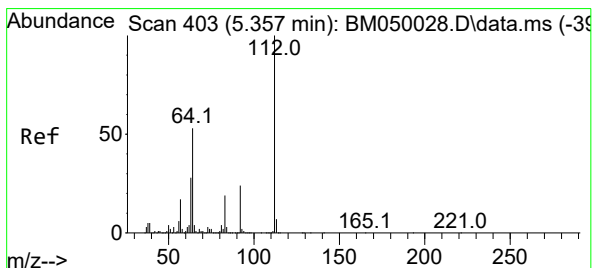
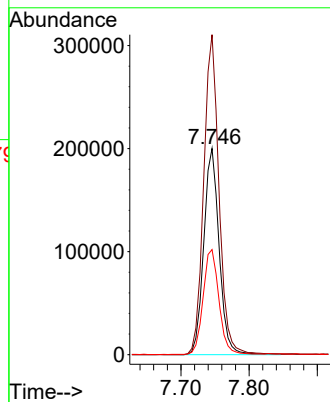
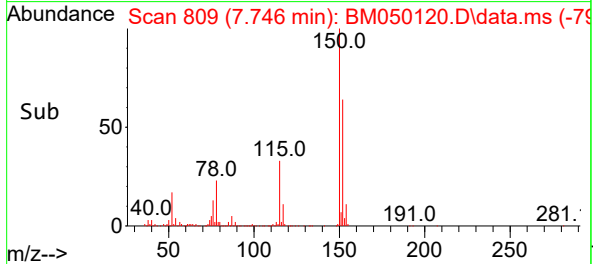


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.746 min Scan# 80
Delta R.T. -0.023 min
Lab File: BM050120.D
Acq: 06 May 2025 15:20

Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-B

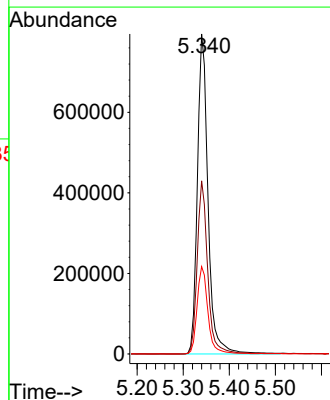
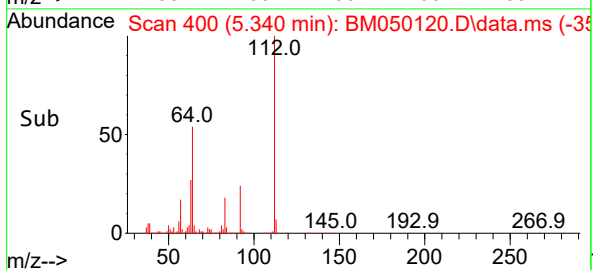
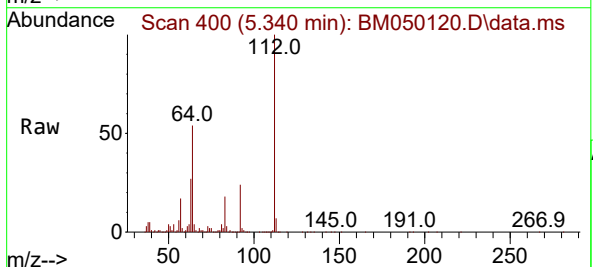


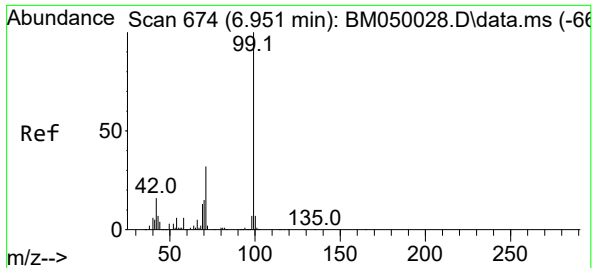
Tgt Ion:152 Resp: 313931
Ion Ratio Lower Upper
152 100
150 155.2 124.1 186.1
115 51.0 41.2 61.8



#5
2-Fluorophenol
Concen: 71.004 ng
RT: 5.340 min Scan# 400
Delta R.T. -0.018 min
Lab File: BM050120.D
Acq: 06 May 2025 15:20

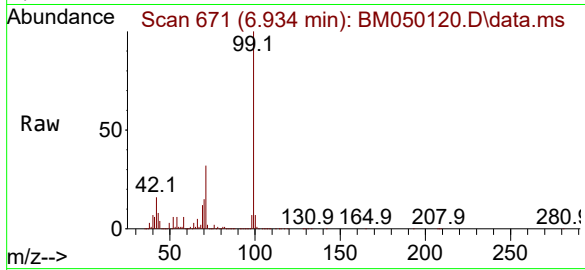
Tgt Ion:112 Resp: 1272945
Ion Ratio Lower Upper
112 100
64 54.1 42.6 64.0
63 27.3 22.2 33.4



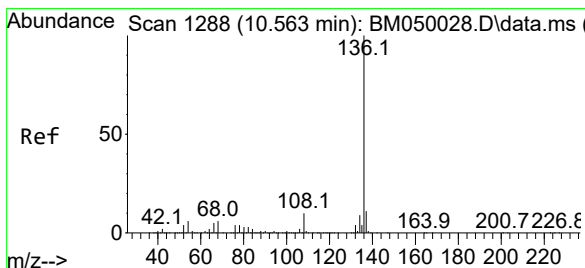
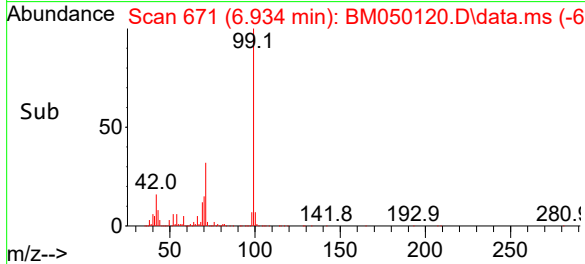
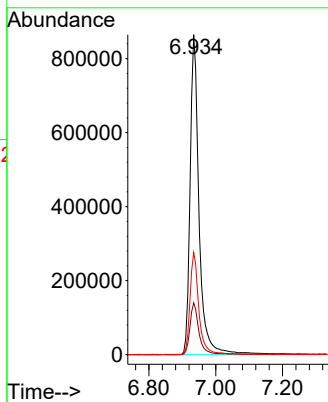


#7
Phenol-d6
Concen: 71.712 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM050120.D
Acq: 06 May 2025 15:20

Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-B

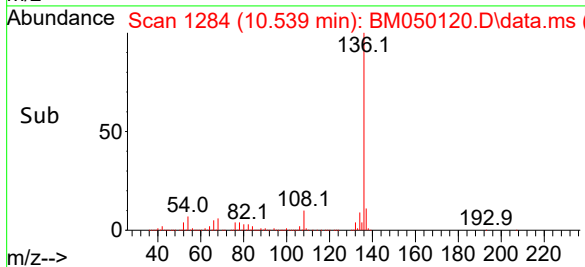
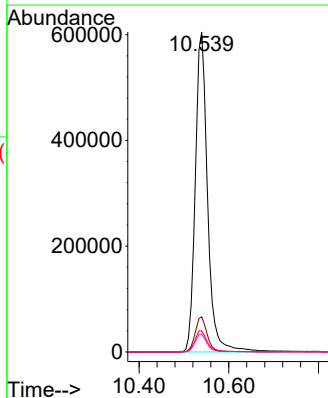
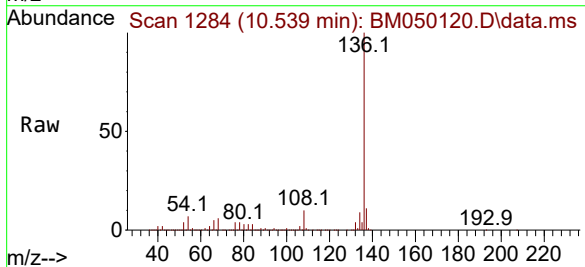


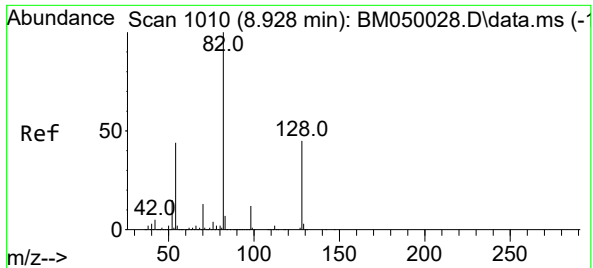
Tgt Ion: 99 Resp: 1615896
Ion Ratio Lower Upper
99 100
42 16.2 13.0 19.4
71 31.9 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 1284
Delta R.T. -0.023 min
Lab File: BM050120.D
Acq: 06 May 2025 15:20

Tgt Ion: 136 Resp: 1147046
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 6.6 5.1 7.7
68 5.6 4.4 6.6

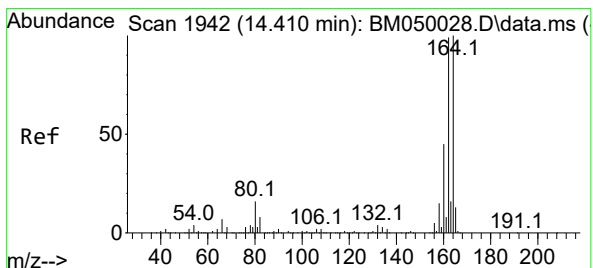
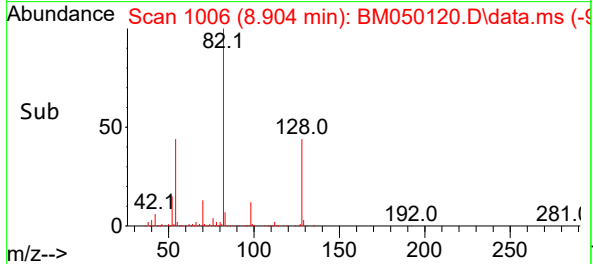
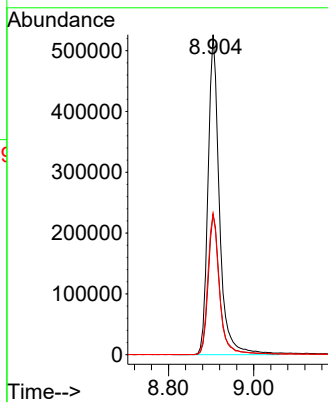
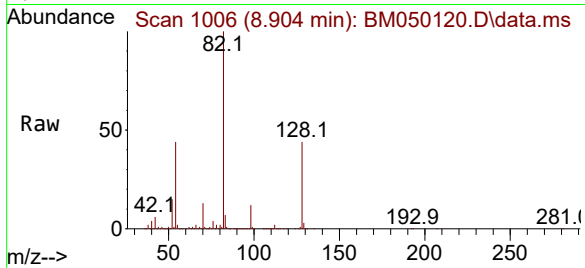




#23
Nitrobenzene-d5
Concen: 41.945 ng
RT: 8.904 min Scan# 1006
Delta R.T. -0.023 min
Lab File: BM050120.D
Acq: 06 May 2025 15:20

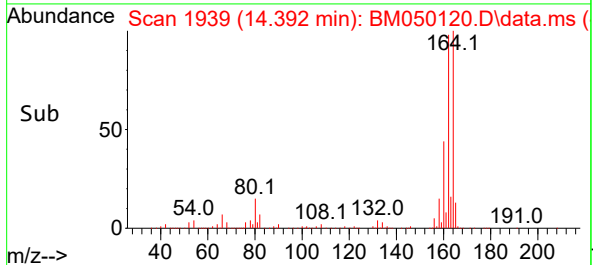
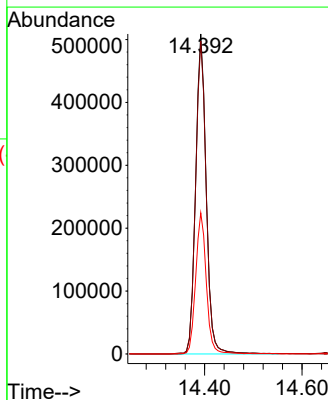
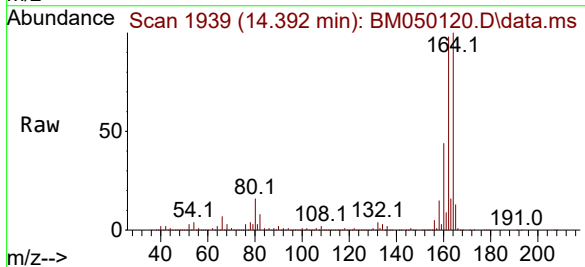
Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-B

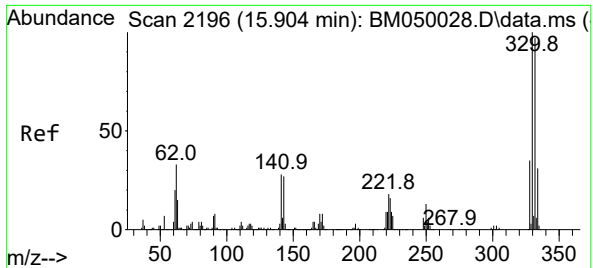
Tgt Ion: 82 Resp: 976378
Ion Ratio Lower Upper
82 100
128 44.0 35.7 53.5
54 43.9 35.4 53.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. -0.018 min
Lab File: BM050120.D
Acq: 06 May 2025 15:20

Tgt Ion: 164 Resp: 769427
Ion Ratio Lower Upper
164 100
162 97.8 79.4 119.0
160 44.1 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 70.931 ng

RT: 15.892 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM050120.D

Acq: 06 May 2025 15:20

Instrument :

BNA_M

ClientSampleId :

LOWER-WALL-PILE-B

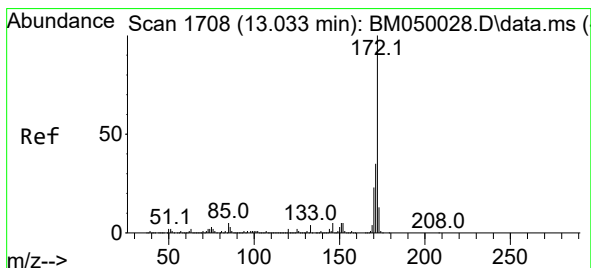
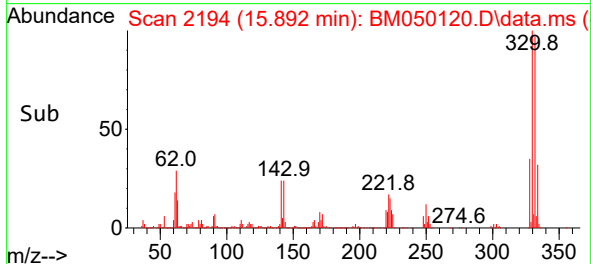
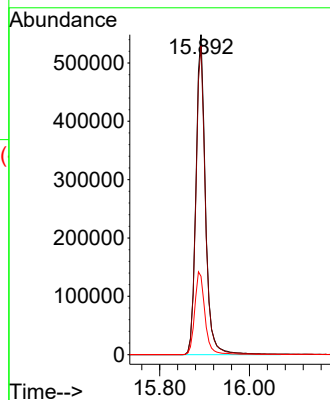
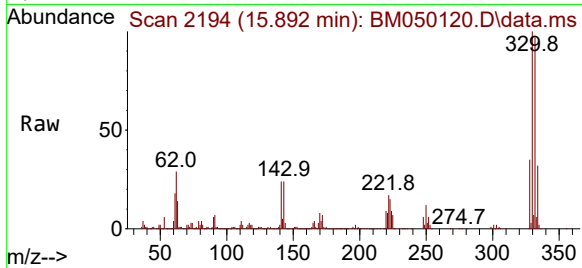
Tgt Ion:330 Resp: 806981

Ion Ratio Lower Upper

330 100

332 96.8 77.3 115.9

141 27.8 22.5 33.7



#45

2-Fluorobiphenyl

Concen: 41.858 ng

RT: 13.010 min Scan# 1704

Delta R.T. -0.023 min

Lab File: BM050120.D

Acq: 06 May 2025 15:20

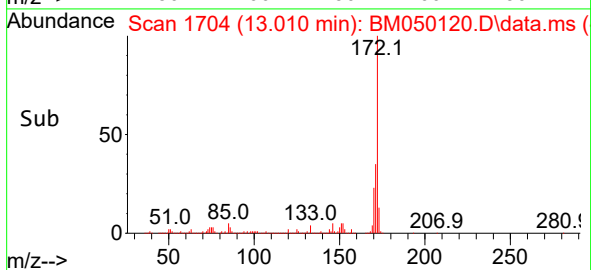
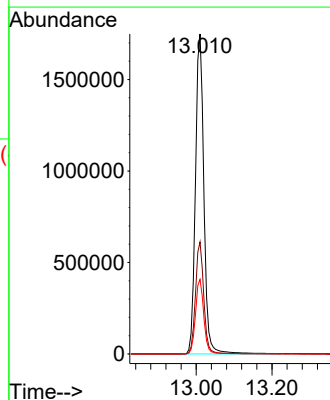
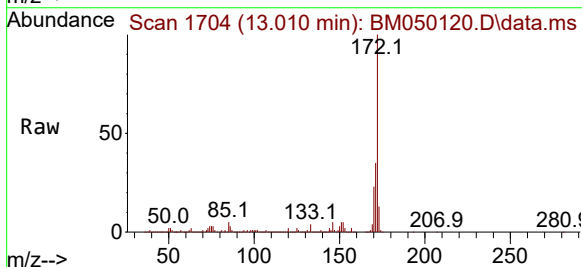
Tgt Ion:172 Resp: 2722476

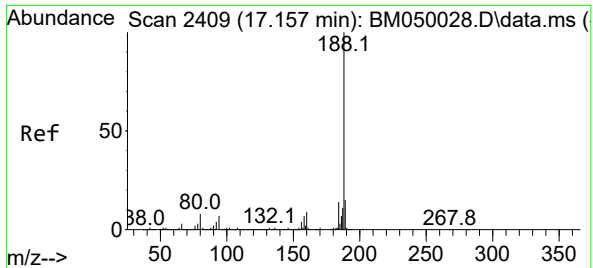
Ion Ratio Lower Upper

172 100

171 35.0 27.8 41.6

170 23.3 18.6 28.0

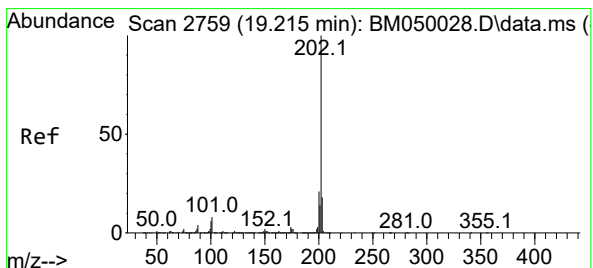
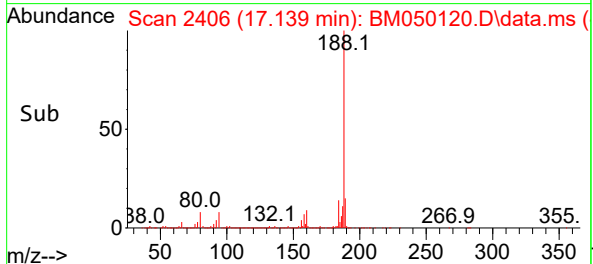
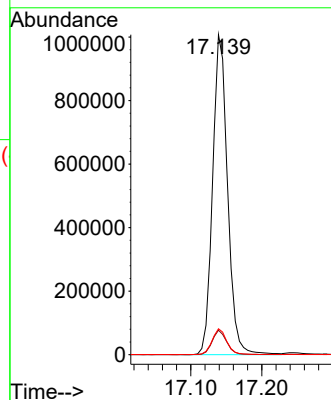
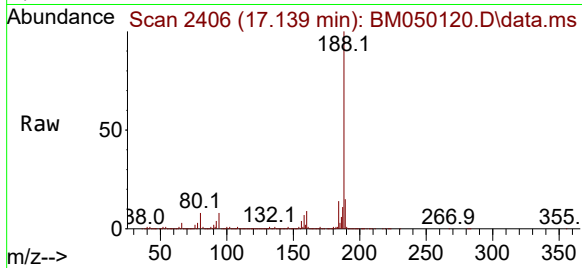




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.139 min Scan# 2406
Delta R.T. -0.018 min
Lab File: BM050120.D
Acq: 06 May 2025 15:20

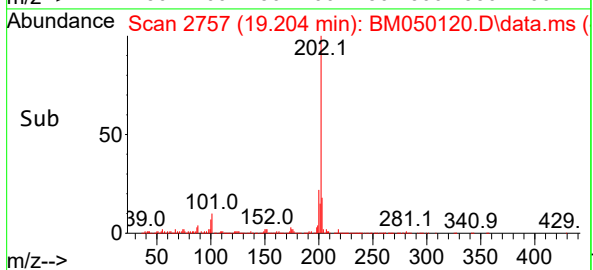
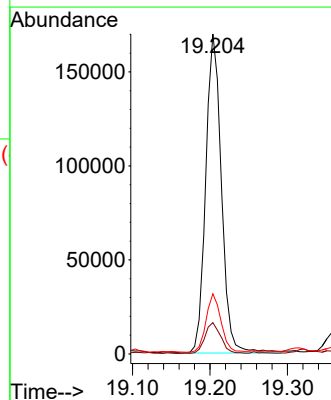
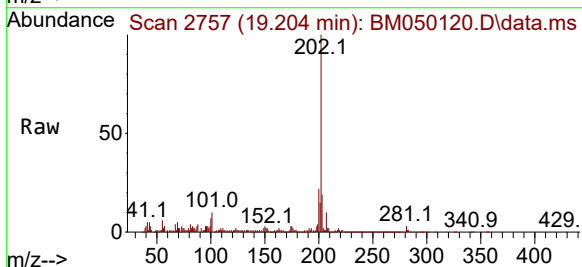
Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-B

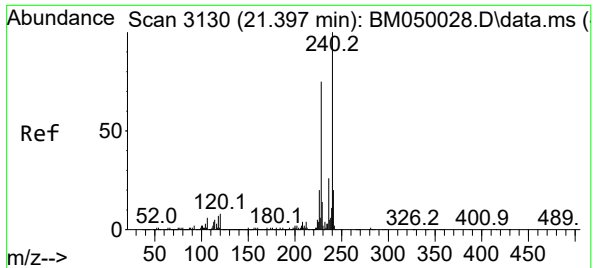
Tgt Ion:188 Resp: 1473166
Ion Ratio Lower Upper
188 100
94 7.6 5.7 8.5
80 8.1 6.2 9.4



#75
Fluoranthene
Concen: 2.448 ng
RT: 19.204 min Scan# 2757
Delta R.T. -0.012 min
Lab File: BM050120.D
Acq: 06 May 2025 15:20

Tgt Ion:202 Resp: 238848
Ion Ratio Lower Upper
202 100
101 9.8 0.0 28.0
203 18.8 0.0 37.7

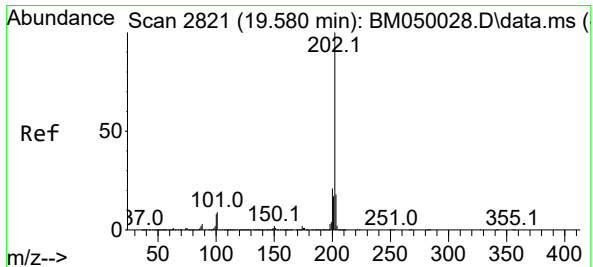
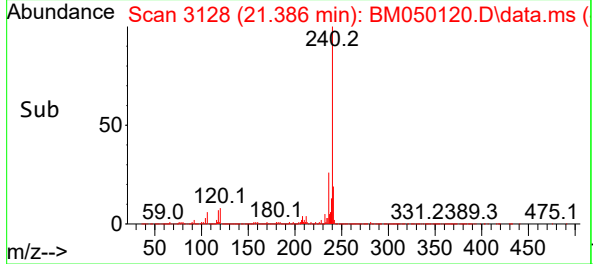
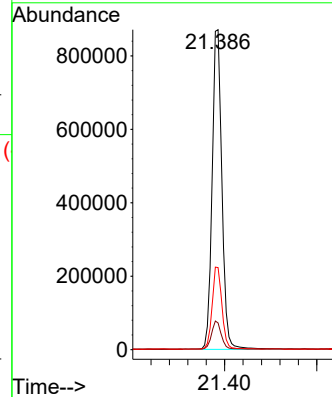
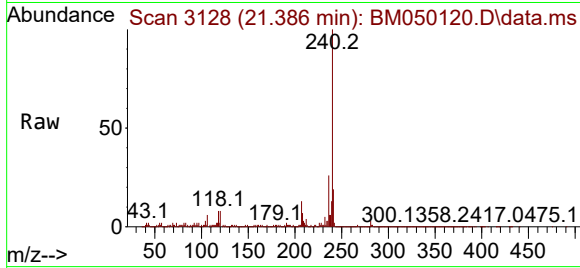




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.386 min Scan# 31
Delta R.T. -0.011 min
Lab File: BM050120.D
Acq: 06 May 2025 15:20

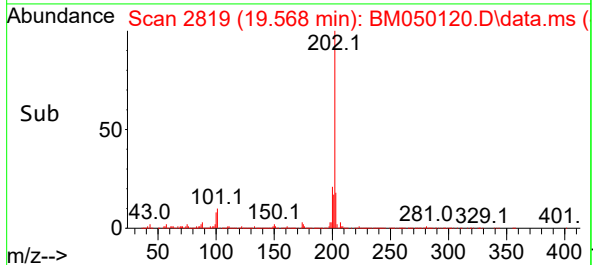
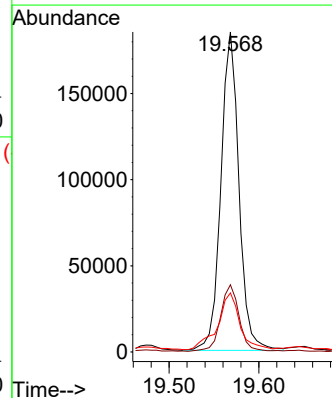
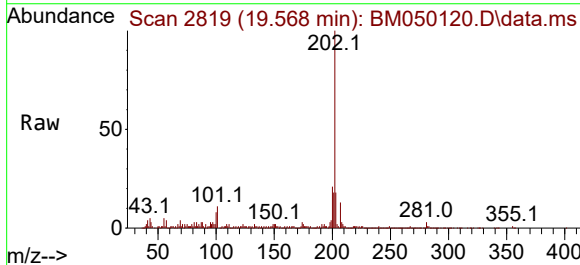
Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-B

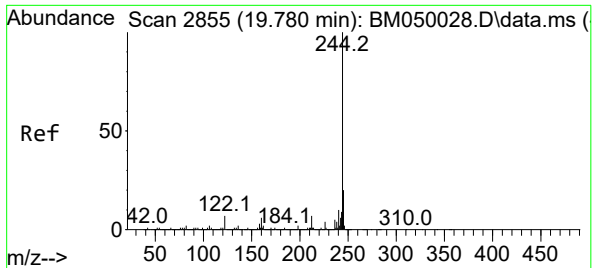
Tgt Ion:240 Resp: 1291742
Ion Ratio Lower Upper
240 100
120 8.4 6.5 9.7
236 25.7 20.9 31.3



#78
Pyrene
Concen: 2.847 ng
RT: 19.568 min Scan# 2819
Delta R.T. -0.012 min
Lab File: BM050120.D
Acq: 06 May 2025 15:20

Tgt Ion:202 Resp: 258217
Ion Ratio Lower Upper
202 100
200 21.0 16.7 25.1
203 18.4 14.1 21.1

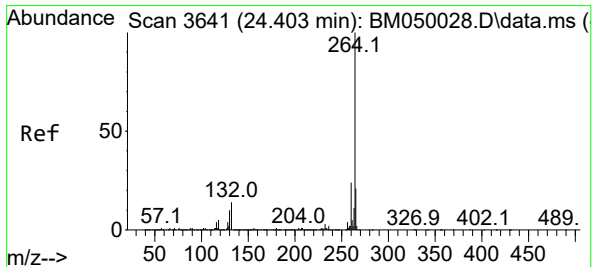
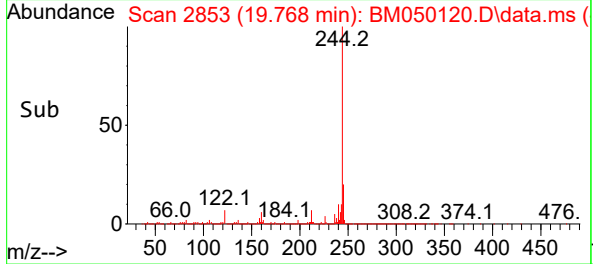
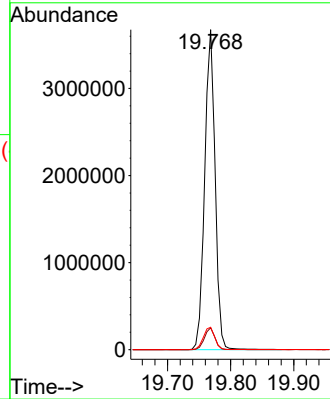
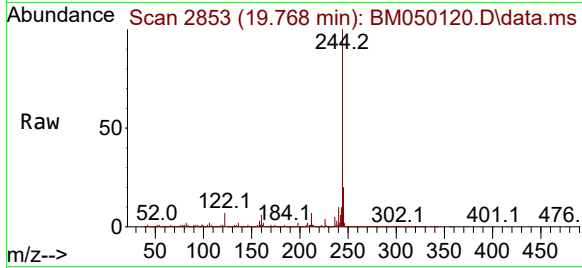




#79
Terphenyl-d14
Concen: 48.154 ng
RT: 19.768 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050120.D
Acq: 06 May 2025 15:20

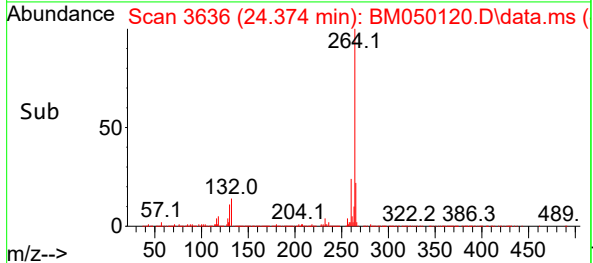
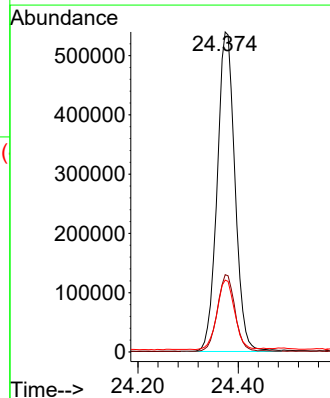
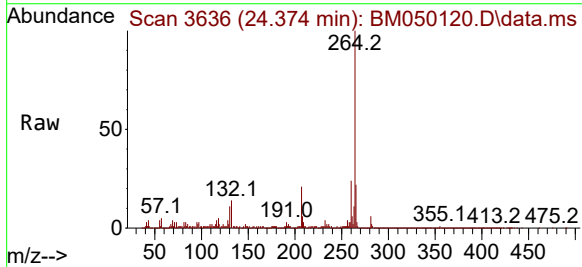
Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-B

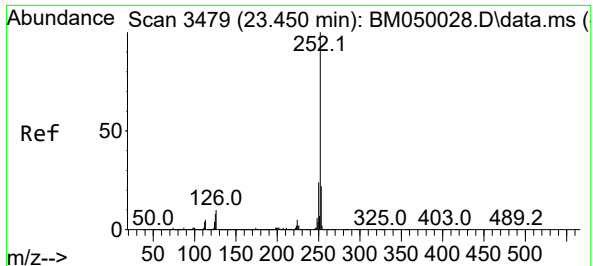
Tgt Ion:244 Resp: 4203647
Ion Ratio Lower Upper
244 100
212 6.8 5.6 8.4
122 7.0 5.6 8.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.374 min Scan# 3636
Delta R.T. -0.029 min
Lab File: BM050120.D
Acq: 06 May 2025 15:20

Tgt Ion:264 Resp: 1325884
Ion Ratio Lower Upper
264 100
260 24.1 18.8 28.2
265 22.5 17.0 25.4

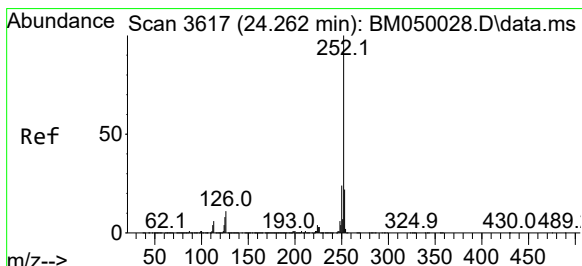
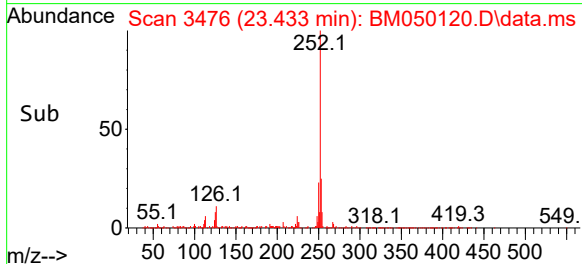
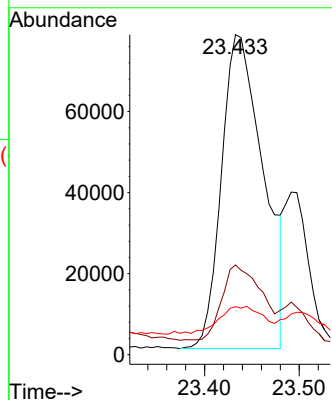
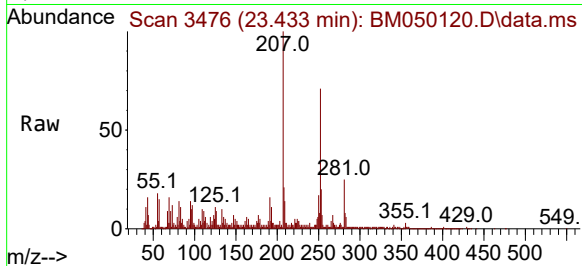




#88
Benzo(b)fluoranthene
Concen: 2.756 ng
RT: 23.433 min Scan# 3479
Delta R.T. -0.018 min
Lab File: BM050120.D
Acq: 06 May 2025 15:20

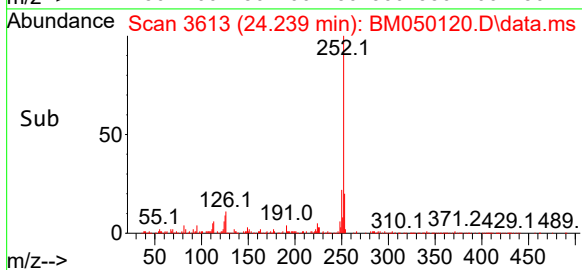
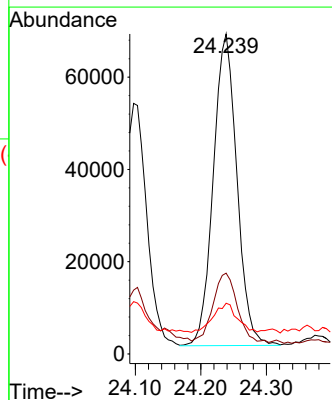
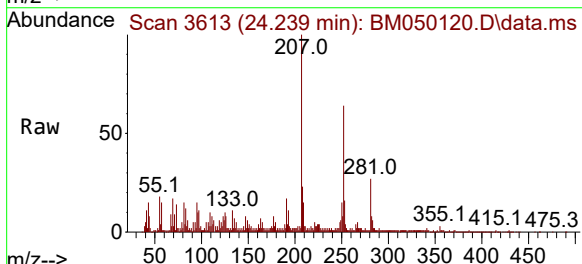
Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-B

Tgt Ion:252 Resp: 237651
Ion Ratio Lower Upper
252 100
253 28.1 17.7 26.5#
125 15.0 6.1 9.1#



#90
Benzo(a)pyrene
Concen: 2.089 ng
RT: 24.239 min Scan# 3613
Delta R.T. -0.023 min
Lab File: BM050120.D
Acq: 06 May 2025 15:20

Tgt Ion:252 Resp: 168717
Ion Ratio Lower Upper
252 100
253 25.3 17.4 26.0
125 15.8 6.6 9.8#



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
 Data File : BM050120.D
 Acq On : 06 May 2025 15:20
 Operator : RC/JU
 Sample : Q1938-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOWER-WALL-PILE-B

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM050120.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.869	315	320	332	rBV	251840	371456	3.56%	0.569%
2	5.340	394	400	416	rBV	2597402	4129400	39.61%	6.326%
3	6.428	578	585	595	rBV	109921	175085	1.68%	0.268%
4	6.934	664	671	699	rBV	2278526	4245063	40.72%	6.503%
5	7.746	802	809	819	rBV	1074628	1700204	16.31%	2.604%
6	8.904	996	1006	1031	rBV	1467028	2757334	26.45%	4.224%
7	10.539	1272	1284	1299	rBV	1194831	2267351	21.75%	3.473%
8	13.010	1696	1704	1724	rBV	4651942	7282326	69.85%	11.156%
9	13.710	1818	1823	1832	rBV	135138	199993	1.92%	0.306%
10	14.104	1884	1890	1901	rVB2	181211	323312	3.10%	0.495%
11	14.351	1927	1932	1934	rBV	84045	114376	1.10%	0.175%
12	14.392	1934	1939	1947	rVB	2004296	2967991	28.47%	4.547%
13	15.757	2165	2171	2179	rBV	500725	763746	7.33%	1.170%
14	15.892	2187	2194	2204	rBV	3509968	5398939	51.79%	8.270%
15	17.139	2400	2406	2412	rBV2	2302389	3403105	32.64%	5.213%
16	18.039	2553	2559	2574	rBV	1188439	2138958	20.52%	3.277%
17	18.310	2601	2605	2611	rBV2	213293	304191	2.92%	0.466%
18	19.204	2753	2757	2763	rBV	406820	571337	5.48%	0.875%
19	19.321	2773	2777	2782	rBV	291412	447626	4.29%	0.686%
20	19.568	2815	2819	2827	rVB	401686	623573	5.98%	0.955%
21	19.768	2848	2853	2865	rVB	8972554	10425425	100.00%	15.970%
22	20.021	2892	2896	2899	rBV2	236388	340322	3.26%	0.521%
23	20.221	2927	2930	2934	rBV3	153718	185326	1.78%	0.284%
24	20.539	2979	2984	2994	rBV	3532105	5122770	49.14%	7.847%
25	21.056	3069	3072	3081	rVB2	691924	1010706	9.69%	1.548%
26	21.380	3122	3127	3133	rBV	2266422	3564381	34.19%	5.460%
27	23.509	3485	3489	3495	rVB2	591019	1079016	10.35%	1.653%
28	24.374	3630	3636	3645	rVB	1419152	3366457	32.29%	5.157%

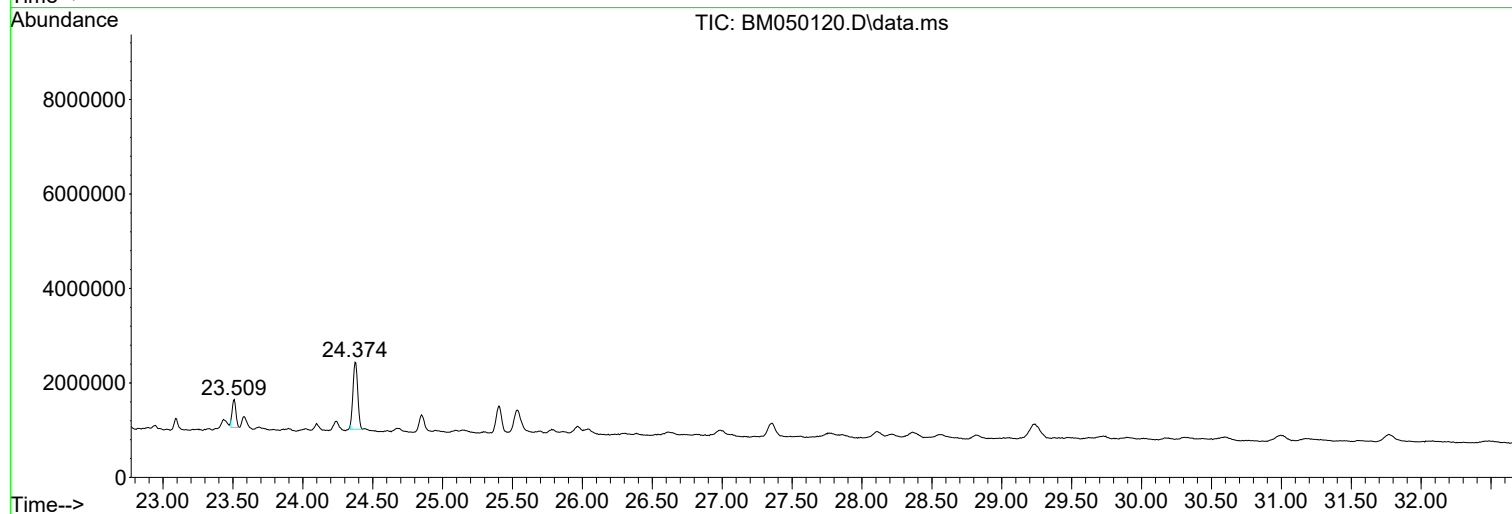
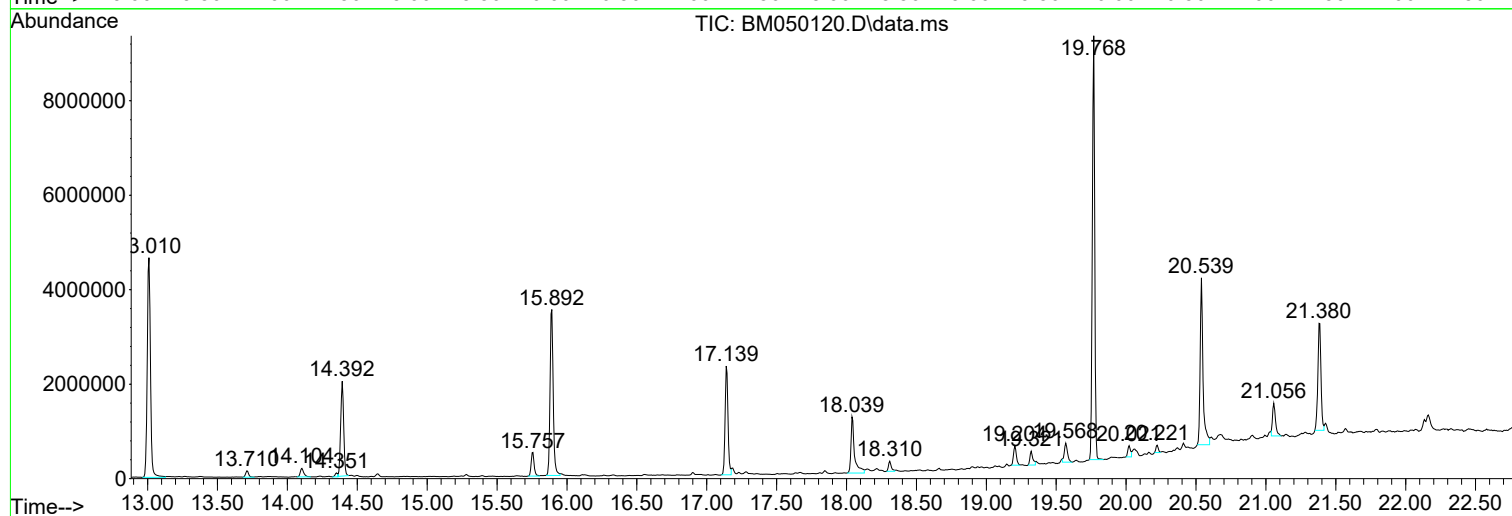
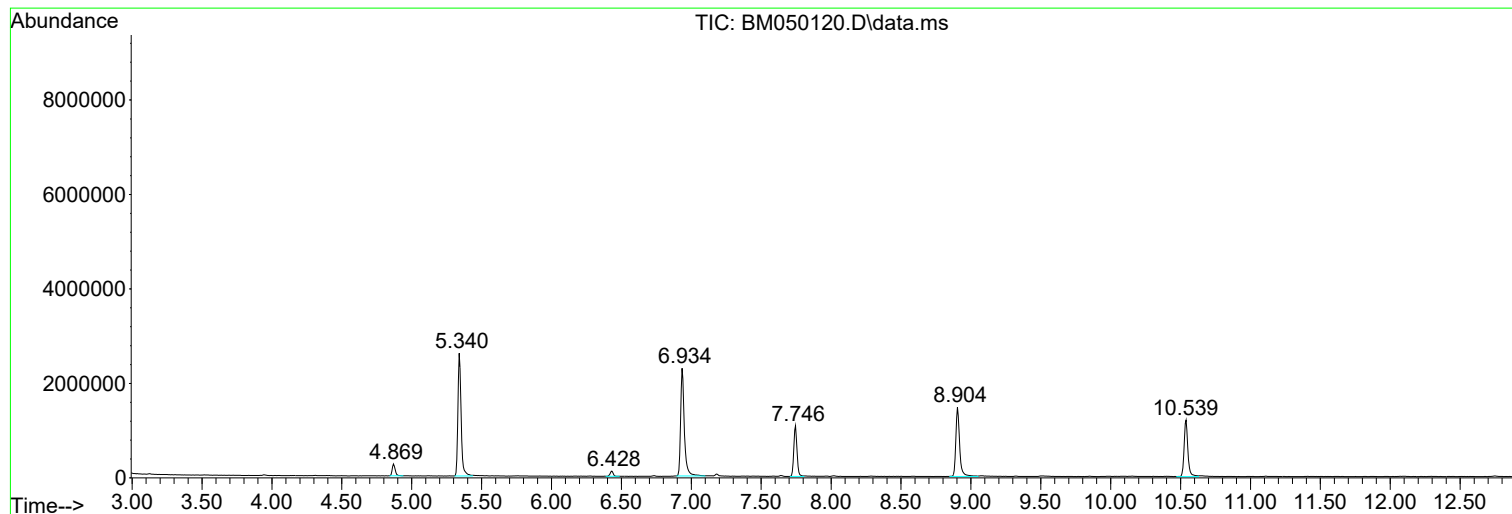
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Acq On : 06 May 2025 15:20
Operator : RC/JU
Sample : Q1938-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
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ALS Vial : 10 Sample Multiplier: 1

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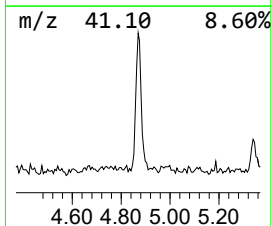
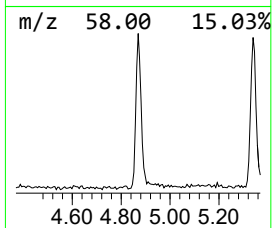
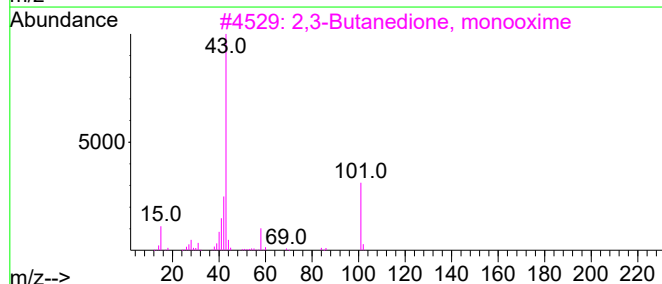
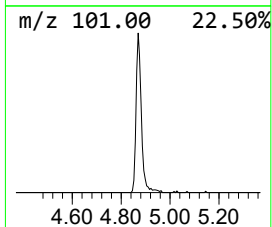
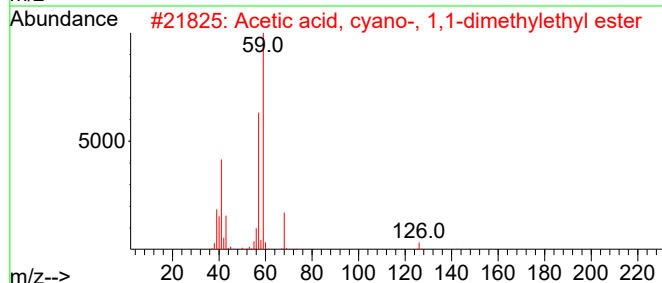
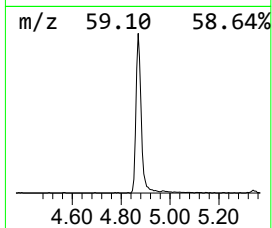
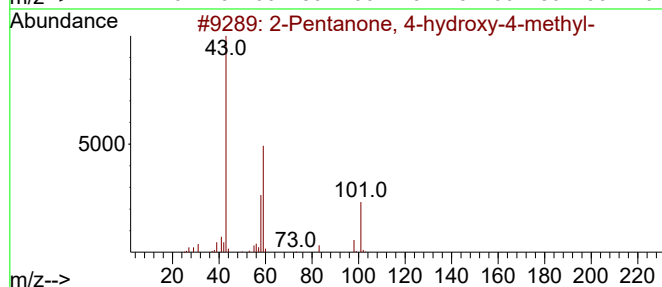
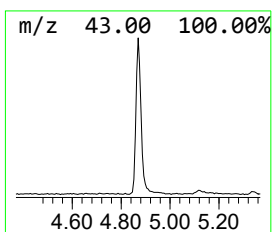
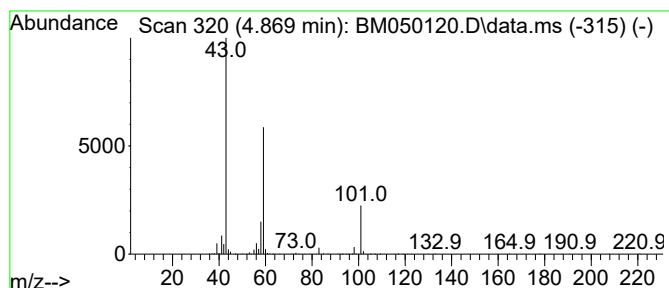
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.869	4.37 ng	371456	1,4-Dichlorobenzene-d4	7.746

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56		
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17		
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17		
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9		
5	Guanidine	59	CH5N3	000113-00-8	9		



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
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Sample : Q1938-03
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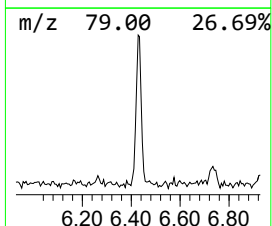
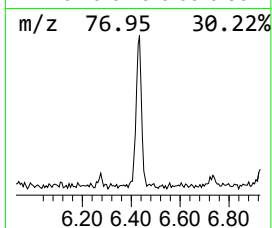
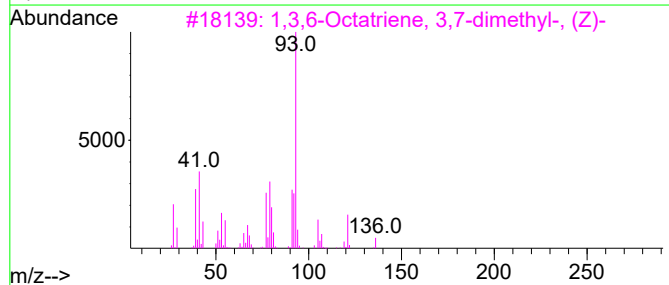
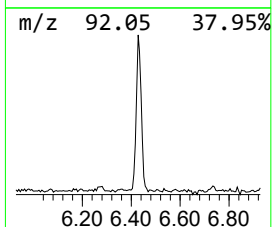
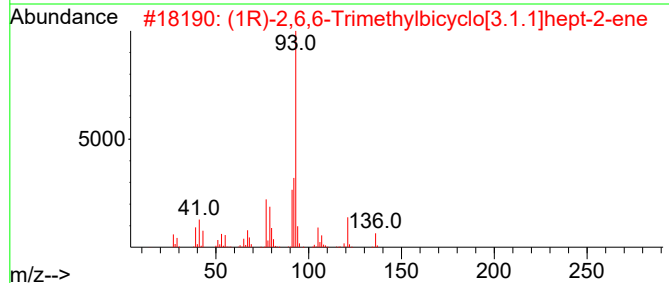
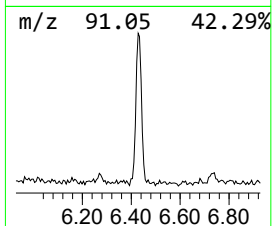
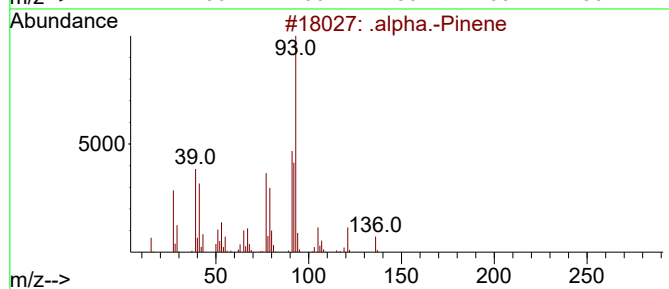
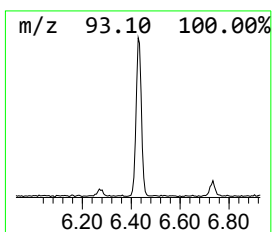
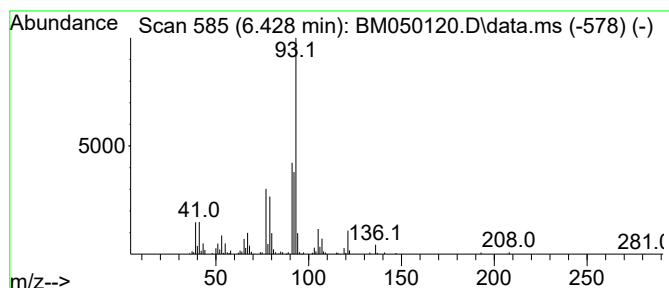
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BNA_M
ClientSampleId :
LOWER-WALL-PILE-B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 .alpha.-Pinene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD		R.T.	
6.428	2.06 ng	175085	1,4-Dichlorobenzene-d4		7.746	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	.alpha.-Pinene		136	C10H16	000080-56-8	95
2	(1R)-2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene		136	C10H16	007785-70-8	94
3	1,3,6-Octatriene, 3,7-dimethyl-, (Z)-		136	C10H16	003338-55-4	91
4	(+) -3-Carene		136	C10H16	000498-15-7	91
5	Bicyclo[3.1.1]hept-2-ene, 3,6,6-trimethyl-		136	C10H16	004889-83-2	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
Data File : BM050120.D
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Instrument :
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ClientSampleId :
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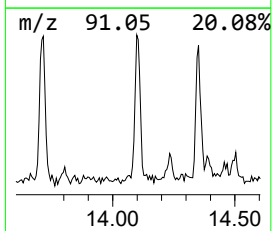
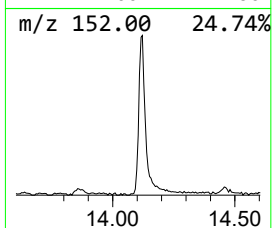
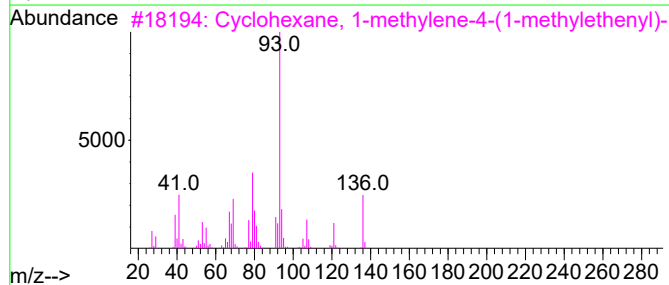
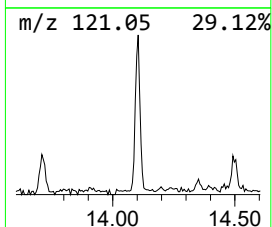
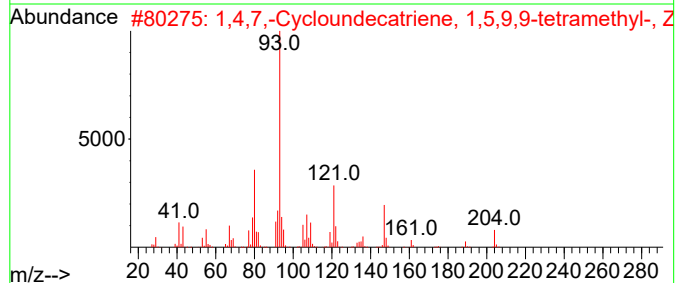
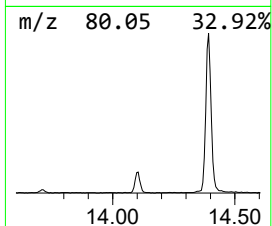
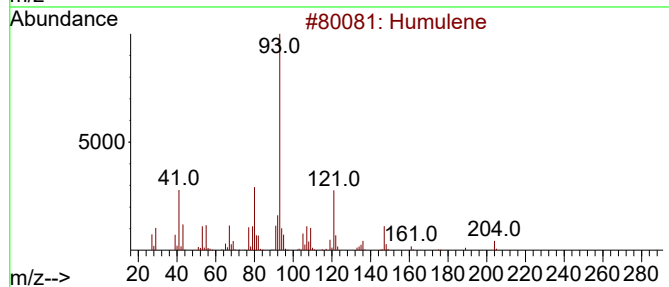
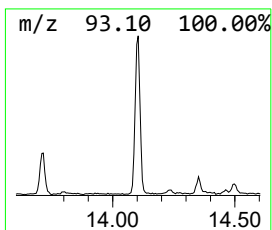
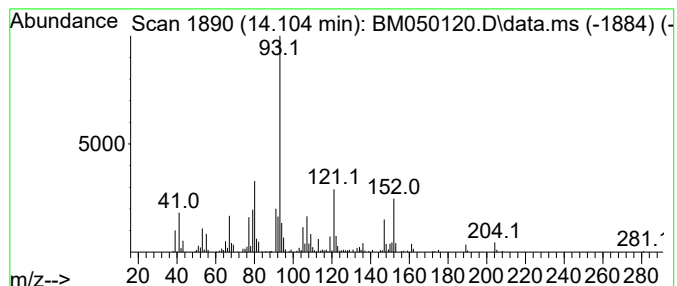
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Humulene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.104	2.18 ng	323312	Acenaphthene-d10	14.392

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Humulene	204	C15H24	006753-98-6	96
2			1,4,7,-Cycloundecatriene, 1,5,9,...	204	C15H24	1000062-61-9	95
3			Cyclohexane, 1-methylene-4-(1-me...	136	C10H16	000499-97-8	58
4			.beta.-Myrcene	136	C10H16	000123-35-3	58
5			Santolina triene	136	C10H16	002153-66-4	52



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
Data File : BM050120.D
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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
LOWER-WALL-PILE-B

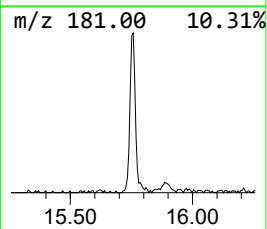
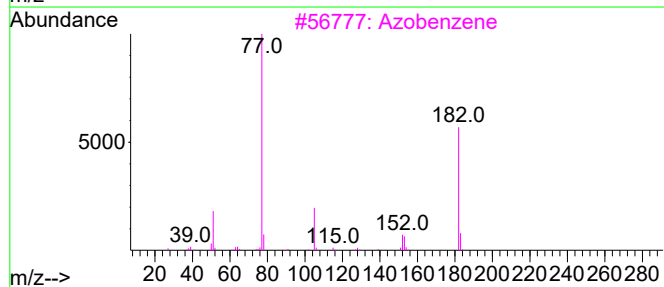
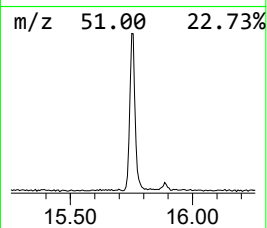
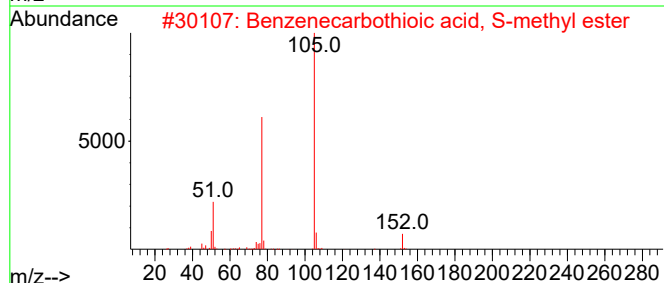
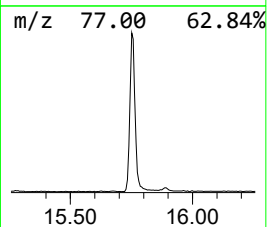
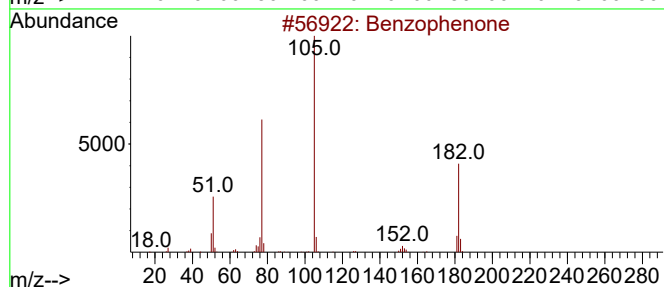
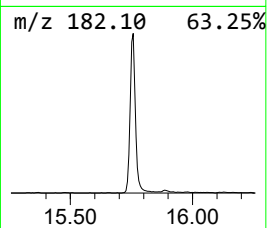
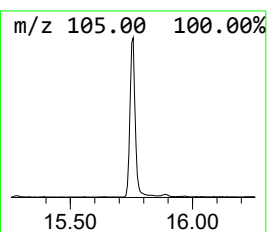
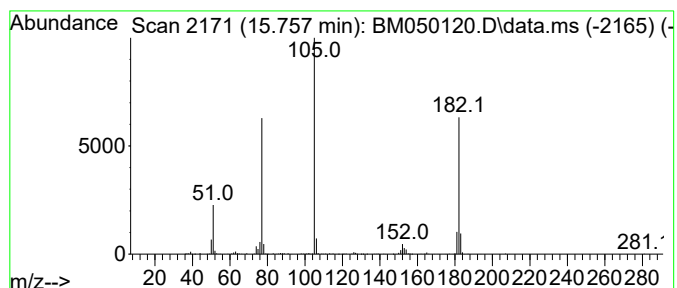
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Benzophenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.757	5.15 ng	763746	Acenaphthene-d10	14.392

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	97
2			Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	47
3			Azobenzene	182	C12H10N2	000103-33-3	47
4			Benzenecarboxylic acid, .alpha.-oxo...	164	C9H8O3	015206-55-0	43
5			Benzenecarboxylic acid, .gamma.-ox...	192	C11H12O3	025333-24-8	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
Data File : BM050120.D
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Sample : Q1938-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

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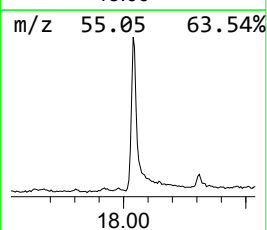
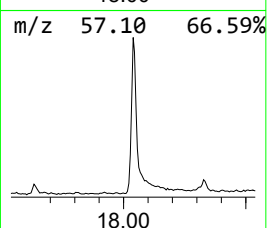
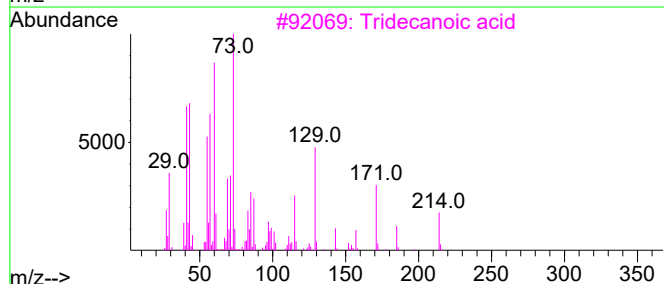
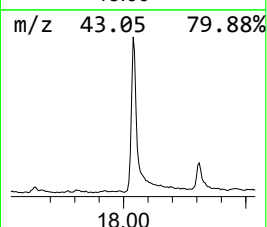
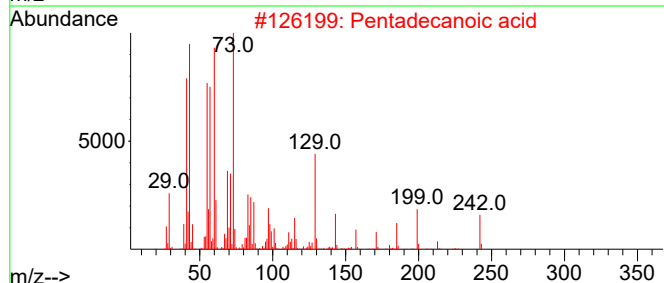
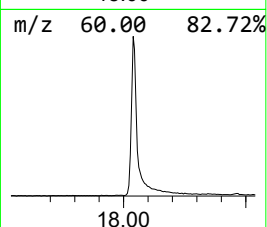
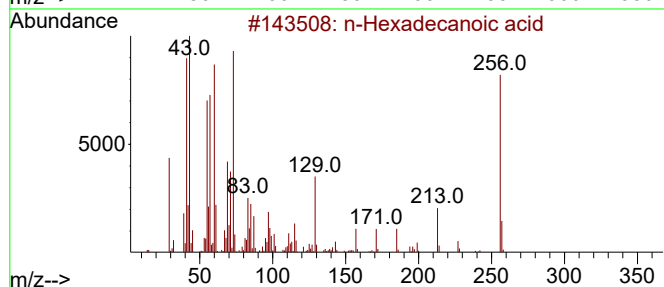
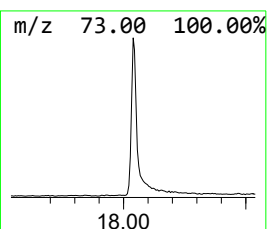
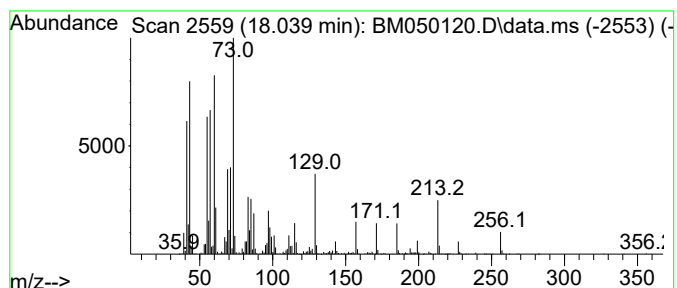
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.039	12.57 ng	2138960	Phenanthrene-d10	17.139

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	91
3			Tridecanoic acid	214	C13H26O2	000638-53-9	91
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	89
5			Nonanoic acid	158	C9H18O2	000112-05-0	45



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
Data File : BM050120.D
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Misc :
ALS Vial : 10 Sample Multiplier: 1

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LOWER-WALL-PILE-B

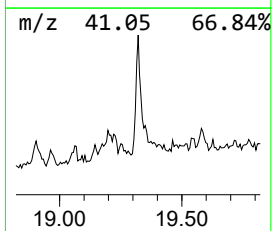
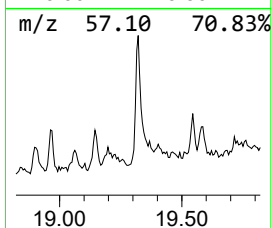
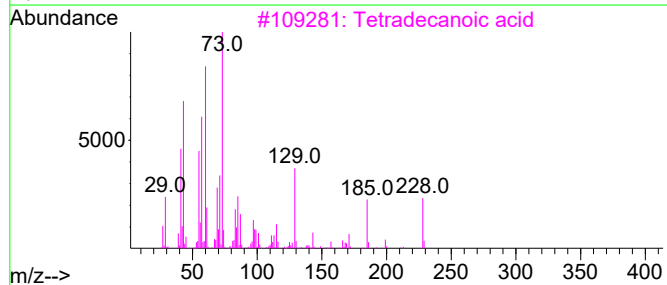
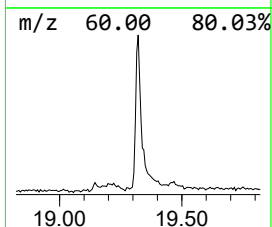
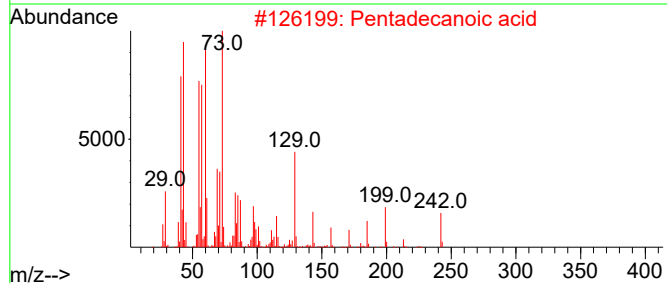
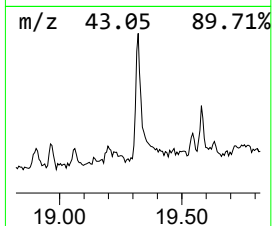
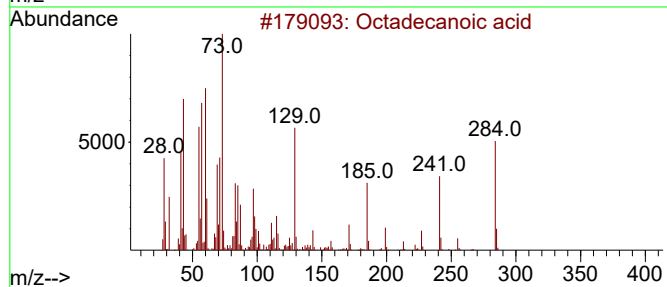
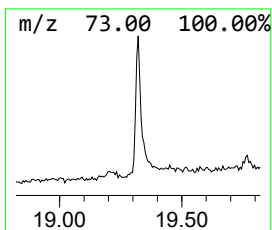
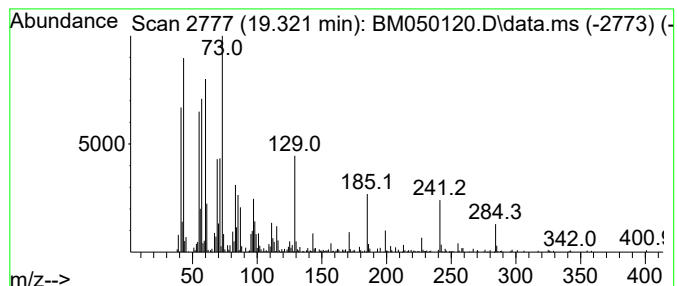
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Octadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.321	2.51 ng	447626	Chrysene-d12	21.386

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecanoic acid	284	C18H36O2	000057-11-4	99
2			Pentadecanoic acid	242	C15H30O2	001002-84-2	93
3			Tetradecanoic acid	228	C14H28O2	000544-63-8	83
4			Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	80
5			Tridecanoic acid	214	C13H26O2	000638-53-9	76



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
Data File : BM050120.D
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ALS Vial : 10 Sample Multiplier: 1

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ClientSampleId :
LOWER-WALL-PILE-B

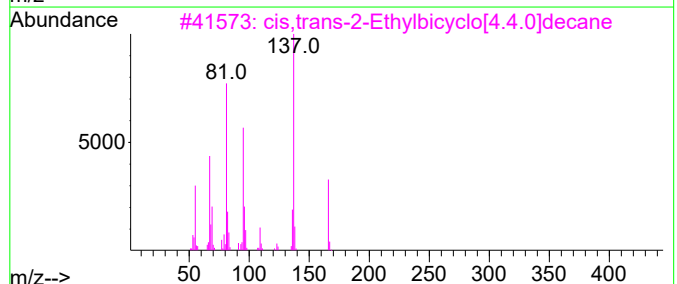
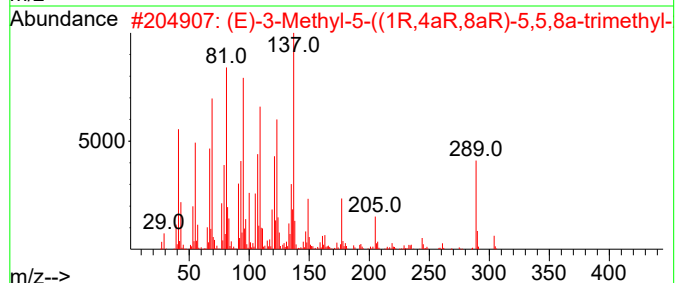
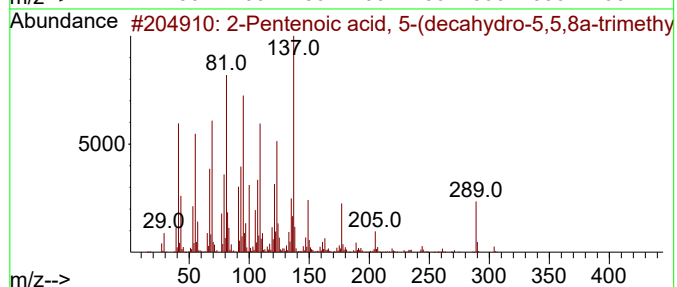
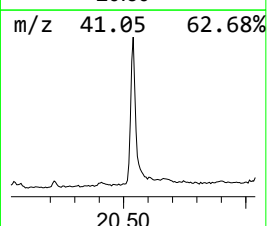
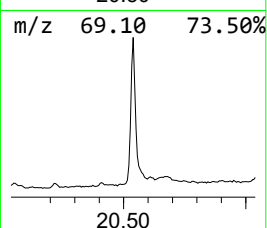
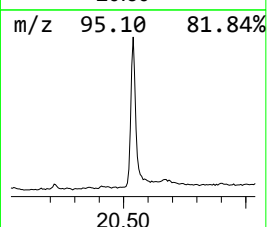
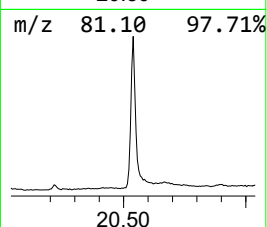
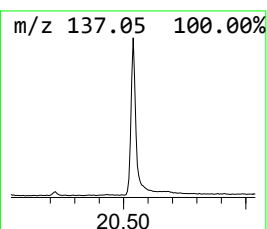
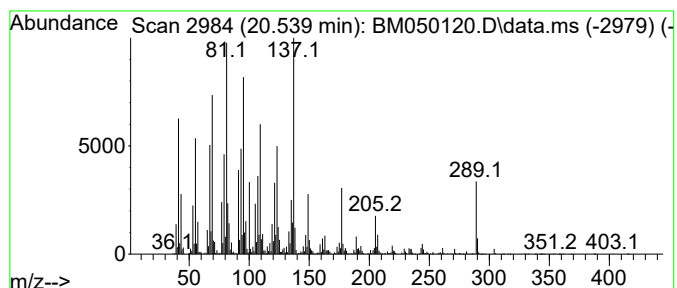
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 2-Pentenoic acid, 5-(decahy... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.539	28.74 ng	5122770	Chrysene-d12	21.386

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentenoic acid, 5-(decahydro-5...	304	C20H32O2	024470-48-2	99
2			(E)-3-Methyl-5-((1R,4aR,8aR)-5,5...	304	C20H32O2	020257-75-4	90
3			cis,trans-2-Ethylbicyclo[4.4.0]d...	166	C12H22	066660-38-6	64
4			Naphthalene, 2-decyldecahydro-	278	C20H38	054964-84-0	64
5			Naphthalene, 2-butyldecahydro-	194	C14H26	006305-52-8	45



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
Data File : BM050120.D
Acq On : 06 May 2025 15:20
Operator : RC/JU
Sample : Q1938-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-B

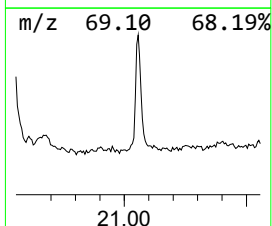
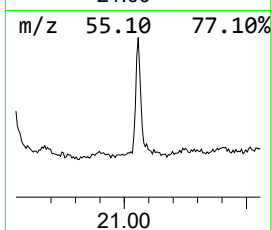
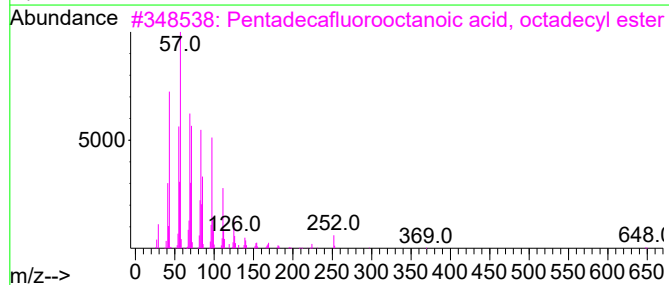
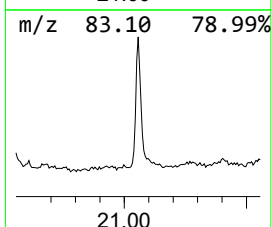
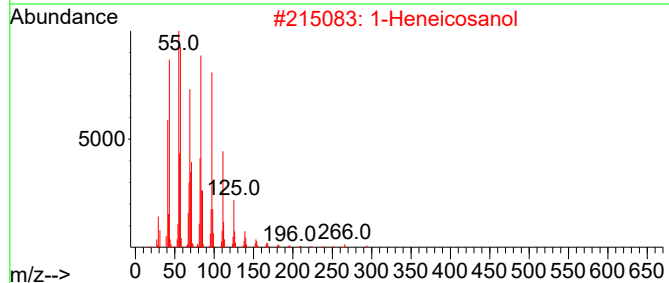
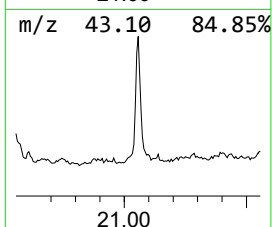
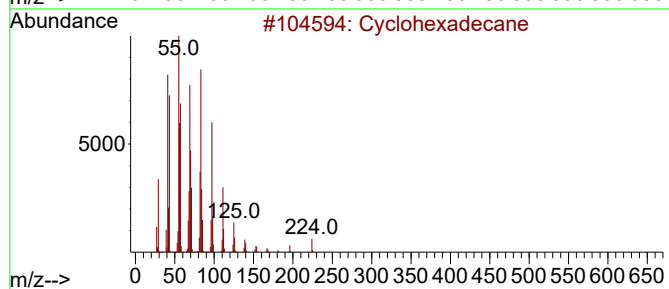
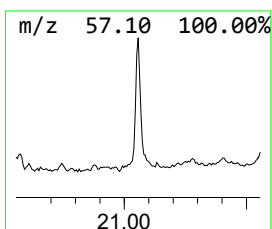
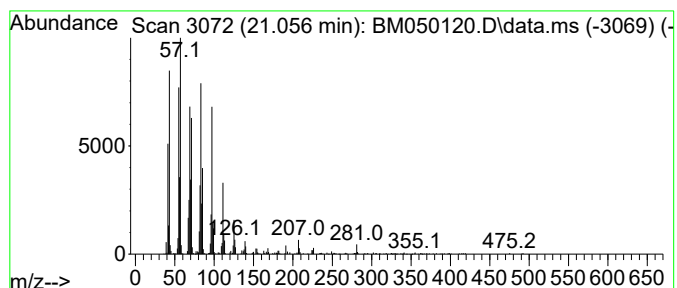
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Cyclohexadecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.056	5.67 ng	1010710	Chrysene-d12	21.386

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexadecane	224	C16H32	000295-65-8	93
2			1-Heneicosanol	312	C21H44O	015594-90-8	93
3			Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	93
4			Pentafluoropropionic acid, octad...	416	C21H37F5O2	959261-25-7	91
5			Nonadecyl pentafluoropropionate	430	C22H39F5O2	1000351-88-8	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
Data File : BM050120.D
Acq On : 06 May 2025 15:20
Operator : RC/JU
Sample : Q1938-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-B

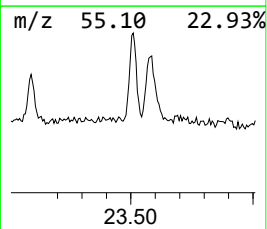
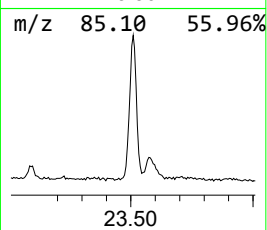
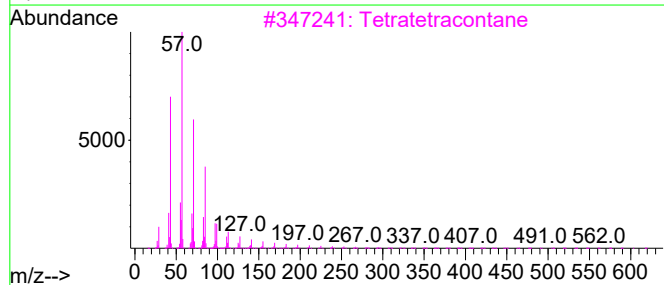
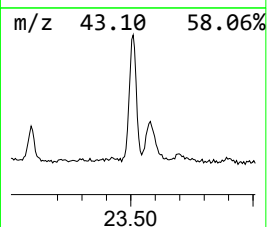
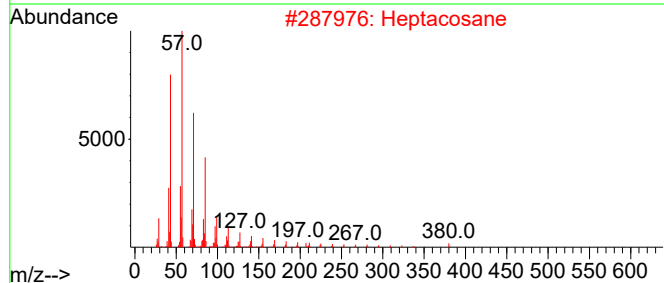
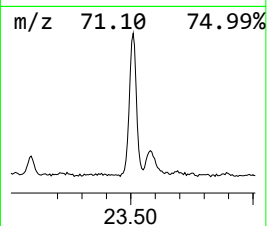
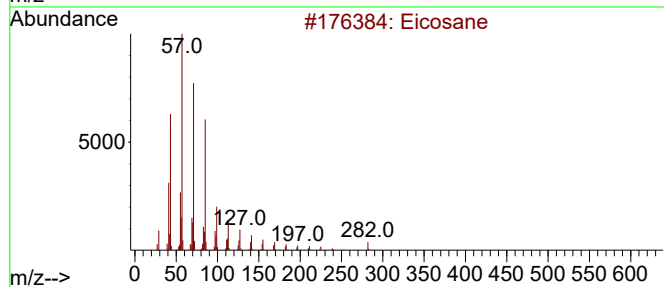
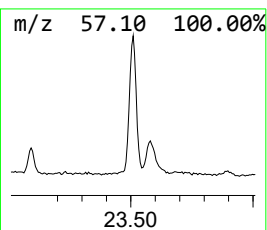
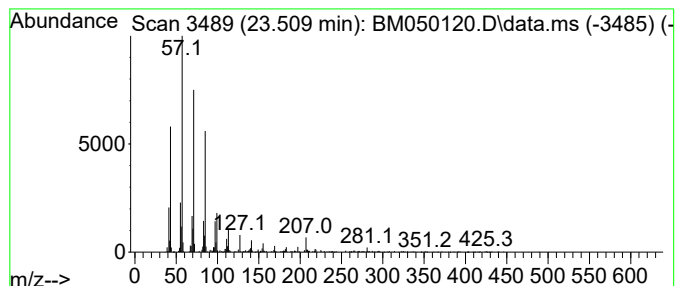
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Eicosane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.509	6.41 ng	1079020	Perylene-d12	24.374

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane			282	C20H42	000112-95-8	93
2	Heptacosane			380	C27H56	000593-49-7	91
3	Tetratetracontane			619	C44H90	007098-22-8	90
4	Octacosane, 2-methyl-			408	C29H60	001560-98-1	90
5	Heneicosane			296	C21H44	000629-94-7	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
Data File : BM050120.D
Acq On : 06 May 2025 15:20
Operator : RC/JU
Sample : Q1938-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-B

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-...	4.869	4.4	ng	371456	1	7.746	1700200	20.0
.alpha.-Pinene	6.428	2.1	ng	175085	1	7.746	1700200	20.0
Humulene	14.104	2.2	ng	323312	3	14.392	2967990	20.0
Benzophenone	15.757	5.2	ng	763746	3	14.392	2967990	20.0
n-Hexadecanoic ...	18.039	12.6	ng	2138960	4	17.139	3403110	20.0
Octadecanoic acid	19.321	2.5	ng	447626	5	21.386	3564380	20.0
2-Pentenoic aci...	20.539	28.7	ng	5122770	5	21.386	3564380	20.0
Cyclohexadecane	21.056	5.7	ng	1010710	5	21.386	3564380	20.0
Eicosane	23.509	6.4	ng	1079020	6	24.374	3366460	20.0

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	05/01/25
Project:	Stan Hope	Date Received:	05/01/25
Client Sample ID:	LOWER-WALL-PILE-C	SDG No.:	Q1938
Lab Sample ID:	Q1938-05	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	96.8
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
BM050115.D	1	05/05/25 09:35	05/06/25 12:04	PB167857

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	160	U	160	340	ug/Kg
108-95-2	Phenol	22.8	U	22.8	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	25.1	U	25.1	180	ug/Kg
95-57-8	2-Chlorophenol	25.2	U	25.2	180	ug/Kg
95-48-7	2-Methylphenol	30.8	U	30.8	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	38.7	U	38.7	180	ug/Kg
98-86-2	Acetophenone	30.4	U	30.4	180	ug/Kg
65794-96-9	3+4-Methylphenols	42.4	U	42.4	340	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	48.9	U	48.9	82.5	ug/Kg
67-72-1	Hexachloroethane	18.1	U	18.1	180	ug/Kg
98-95-3	Nitrobenzene	18.9	U	18.9	180	ug/Kg
78-59-1	Isophorone	33.8	U	33.8	180	ug/Kg
88-75-5	2-Nitrophenol	60.0	U	60.0	180	ug/Kg
105-67-9	2,4-Dimethylphenol	66.8	U	66.8	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	31.8	U	31.8	180	ug/Kg
120-83-2	2,4-Dichlorophenol	29.2	U	29.2	180	ug/Kg
91-20-3	Naphthalene	23.4	U	23.4	180	ug/Kg
106-47-8	4-Chloroaniline	36.5	UQ	36.5	180	ug/Kg
87-68-3	Hexachlorobutadiene	26.1	U	26.1	180	ug/Kg
105-60-2	Caprolactam	53.7	U	53.7	340	ug/Kg
59-50-7	4-Chloro-3-methylphenol	29.6	U	29.6	180	ug/Kg
91-57-6	2-Methylnaphthalene	26.4	U	26.4	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	340	ug/Kg
88-06-2	2,4,6-Trichlorophenol	20.4	U	20.4	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	30.0	U	30.0	180	ug/Kg
92-52-4	1,1-Biphenyl	22.5	U	22.5	180	ug/Kg
91-58-7	2-Chloronaphthalene	23.2	U	23.2	180	ug/Kg
88-74-4	2-Nitroaniline	49.6	U	49.6	180	ug/Kg
131-11-3	Dimethylphthalate	27.9	U	27.9	180	ug/Kg

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	05/01/25
Project:	Stan Hope	Date Received:	05/01/25
Client Sample ID:	LOWER-WALL-PILE-C	SDG No.:	Q1938
Lab Sample ID:	Q1938-05	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	96.8
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
BM050115.D	1	05/05/25 09:35	05/06/25 12:04	PB167857

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	29.8	U	29.8	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	34.6	U	34.6	180	ug/Kg
99-09-2	3-Nitroaniline	47.4	U	47.4	180	ug/Kg
83-32-9	Acenaphthene	22.0	U	22.0	180	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	340	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	340	ug/Kg
132-64-9	Dibenzofuran	23.4	U	23.4	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	51.7	U	51.7	180	ug/Kg
84-66-2	Diethylphthalate	29.2	U	29.2	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	27.5	U	27.5	180	ug/Kg
86-73-7	Fluorene	26.1	U	26.1	180	ug/Kg
100-01-6	4-Nitroaniline	66.2	U	66.2	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	340	ug/Kg
86-30-6	n-Nitrosodiphenylamine	33.9	U	33.9	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	28.7	U	28.7	180	ug/Kg
118-74-1	Hexachlorobenzene	26.1	U	26.1	180	ug/Kg
1912-24-9	Atrazine	35.1	U	35.1	180	ug/Kg
87-86-5	Pentachlorophenol	52.9	U	52.9	340	ug/Kg
85-01-8	Phenanthrene	21.5	U	21.5	180	ug/Kg
120-12-7	Anthracene	34.3	U	34.3	180	ug/Kg
86-74-8	Carbazole	32.2	U	32.2	180	ug/Kg
84-74-2	Di-n-butylphthalate	49.4	U	49.4	180	ug/Kg
206-44-0	Fluoranthene	30.9	U	30.9	180	ug/Kg
129-00-0	Pyrene	37.1	U	37.1	180	ug/Kg
85-68-7	Butylbenzylphthalate	73.6	U	73.6	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	37.8	UQ	37.8	340	ug/Kg
56-55-3	Benzo(a)anthracene	23.7	U	23.7	180	ug/Kg
218-01-9	Chrysene	20.5	U	20.5	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	61.0	U	61.0	180	ug/Kg
117-84-0	Di-n-octyl phthalate	89.5	U	89.5	340	ug/Kg
205-99-2	Benzo(b)fluoranthene	19.6	U	19.6	180	ug/Kg

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	05/01/25
Project:	Stan Hope	Date Received:	05/01/25
Client Sample ID:	LOWER-WALL-PILE-C	SDG No.:	Q1938
Lab Sample ID:	Q1938-05	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	96.8
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
BM050115.D	1	05/05/25 09:35	05/06/25 12:04	PB167857

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	23.1	U	23.1	180	ug/Kg
50-32-8	Benzo(a)pyrene	30.4	U	30.4	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	30.0	U	30.0	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	28.2	U	28.2	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	26.5	U	26.5	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	26.4	U	26.4	180	ug/Kg
123-91-1	1,4-Dioxane	46.6	U	46.6	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	28.2	U	28.2	180	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	86.8		30 (18) - 130 (112)	58%	SPK: 150
13127-88-3	Phenol-d6	85.6		30 (15) - 130 (107)	57%	SPK: 150
4165-60-0	Nitrobenzene-d5	51.1		30 (18) - 130 (107)	51%	SPK: 100
321-60-8	2-Fluorobiphenyl	48.4		30 (20) - 130 (109)	48%	SPK: 100
118-79-6	2,4,6-Tribromophenol	93.2		30 (10) - 130 (116)	62%	SPK: 150
1718-51-0	Terphenyl-d14	56.0		30 (10) - 130 (105)	56%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	250000	7.745	
1146-65-2	Naphthalene-d8	885000	10.539	
15067-26-2	Acenaphthene-d10	599000	14.392	
1517-22-2	Phenanthrene-d10	1240000	17.139	
1719-03-5	Chrysene-d12	1190000	21.386	
1520-96-3	Perylene-d12	1220000	24.374	

TENTATIVE IDENTIFIED COMPOUNDS

000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	190	AB	4.87	ug/Kg
000057-11-4	Octadecanoic acid	830	J	15.6	ug/Kg
000119-61-9	Benzophenone	370	J	15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	1300	J	18.0	ug/Kg
000544-63-8	Tetradecanoic acid	350	J	19.3	ug/Kg
000295-65-8	Cyclohexadecane	99.3	J	21.1	ug/Kg

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	05/01/25
Project:	Stan Hope	Date Received:	05/01/25
Client Sample ID:	LOWER-WALL-PILE-C	SDG No.:	Q1938
Lab Sample ID:	Q1938-05	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	96.8
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
BM050115.D	1	05/05/25 09:35	05/06/25 12:04	PB167857

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
Data File : BM050115.D
Acq On : 06 May 2025 12:04
Operator : RC/JU
Sample : Q1938-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-C

Quant Time: May 06 13:04:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.745	152	250338	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	884780	20.000	ng	-0.02
39) Acenaphthene-d10	14.392	164	598993	20.000	ng	-0.02
64) Phenanthrene-d10	17.139	188	1239129	20.000	ng	-0.02
76) Chrysene-d12	21.386	240	1188362	20.000	ng	-0.01
86) Perylene-d12	24.374	264	1223159	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1240963	86.803	ng	-0.02
7) Phenol-d6	6.934	99	1537306	85.555	ng	-0.02
23) Nitrobenzene-d5	8.904	82	918020	51.128	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	825538	93.208	ng	-0.01
45) 2-Fluorobiphenyl	13.010	172	2451108	48.408	ng	-0.02
79) Terphenyl-d14	19.768	244	4494073	55.960	ng	-0.01

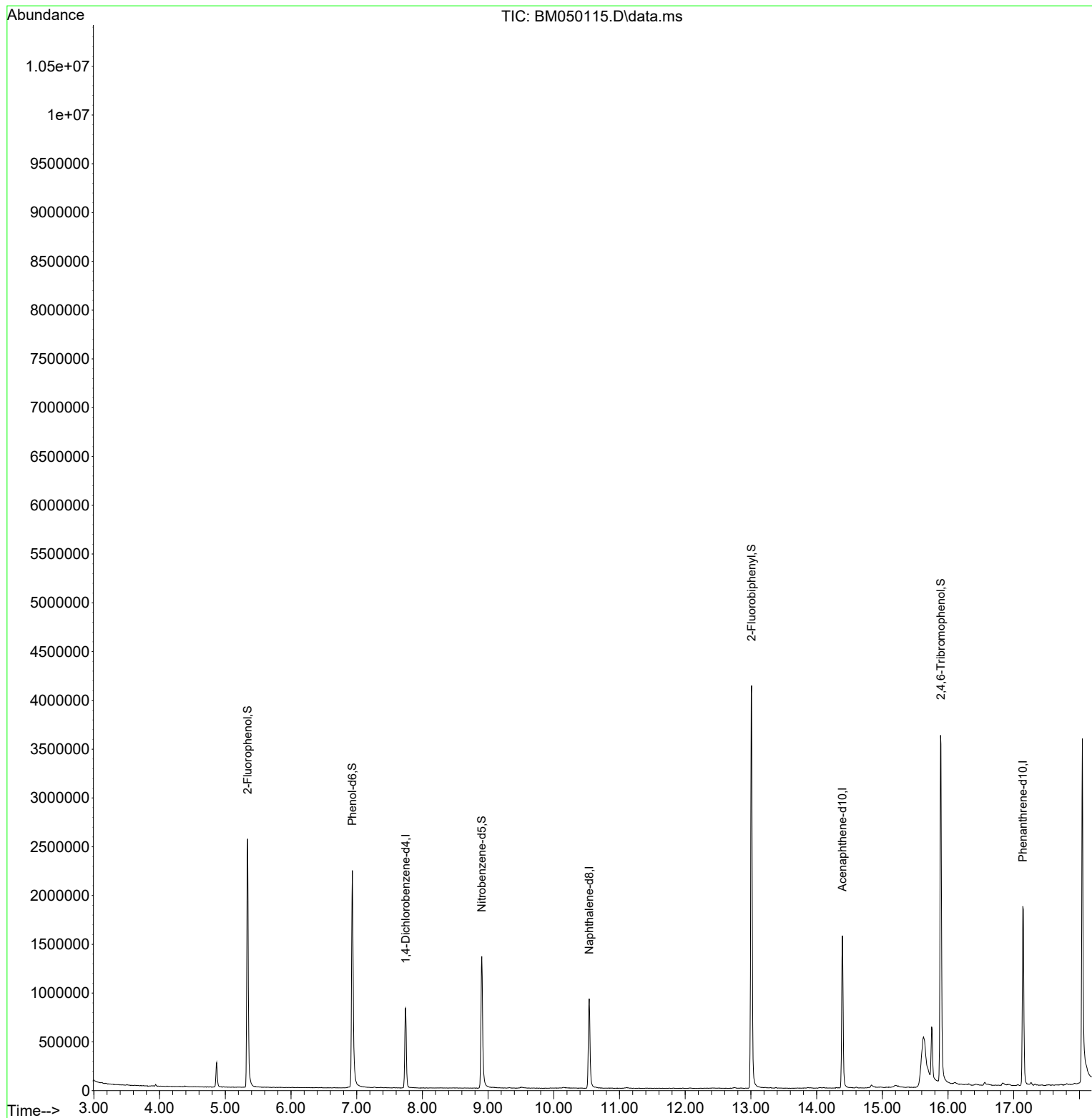
Target Compounds	Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
Data File : BM050115.D
Acq On : 06 May 2025 12:04
Operator : RC/JU
Sample : Q1938-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-C

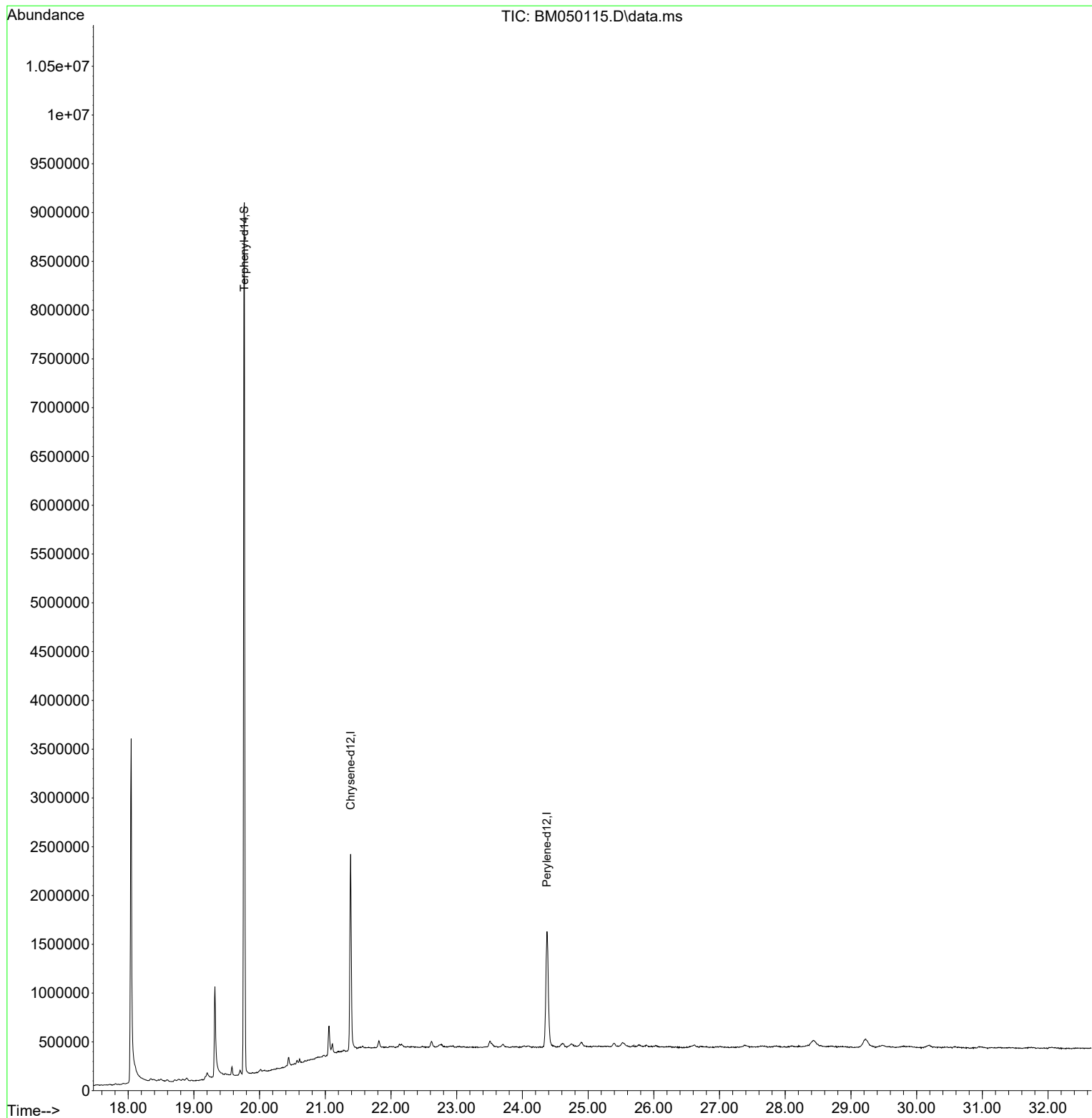
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

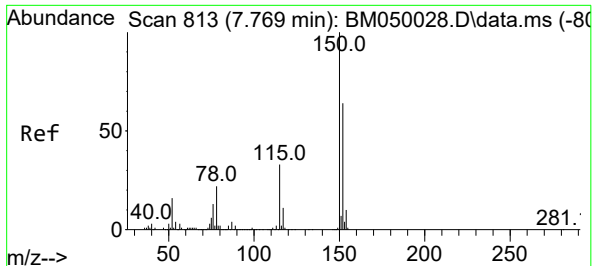


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
Data File : BM050115.D
Acq On : 06 May 2025 12:04
Operator : RC/JU
Sample : Q1938-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-C

Quant Time: May 06 13:04:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

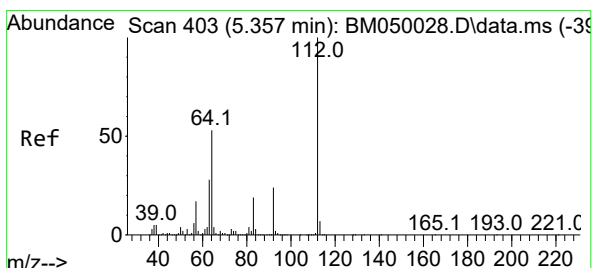
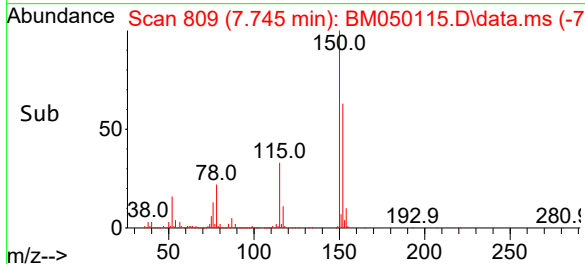
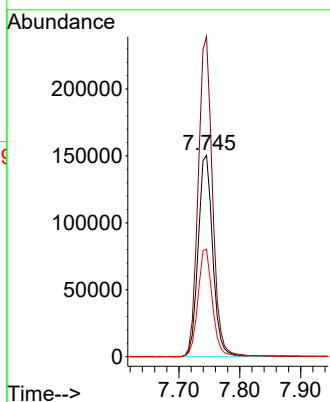
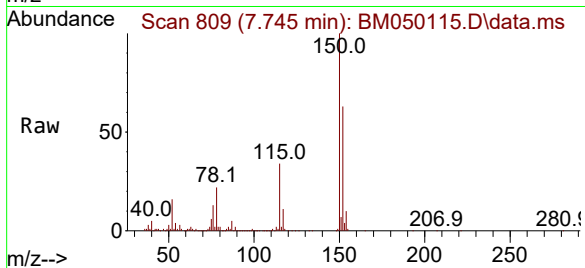




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.745 min Scan# 809
Delta R.T. -0.024 min
Lab File: BM050115.D
Acq: 06 May 2025 12:04

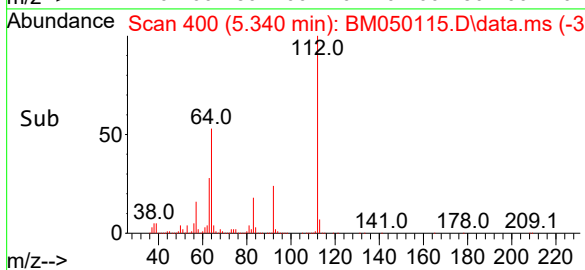
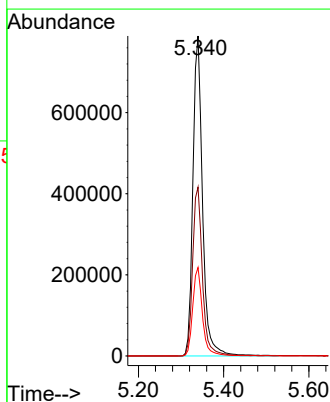
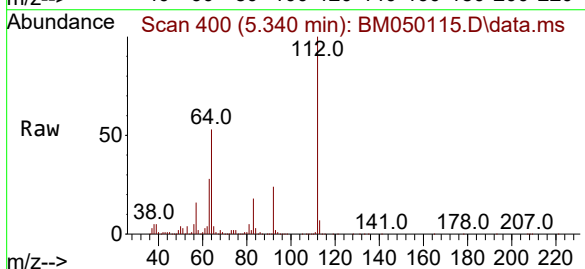
Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-C

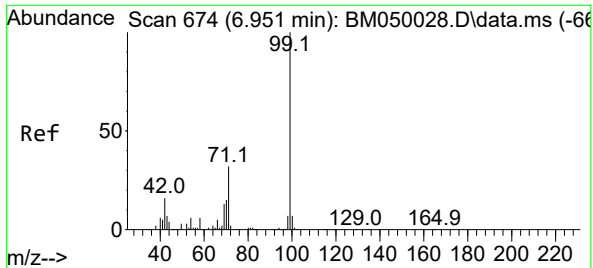
Tgt Ion:152 Resp: 250338
Ion Ratio Lower Upper
152 100
150 158.9 124.1 186.1
115 53.4 41.2 61.8



#5
2-Fluorophenol
Concen: 86.803 ng
RT: 5.340 min Scan# 400
Delta R.T. -0.018 min
Lab File: BM050115.D
Acq: 06 May 2025 12:04

Tgt Ion:112 Resp: 1240963
Ion Ratio Lower Upper
112 100
64 52.7 42.6 64.0
63 27.7 22.2 33.4

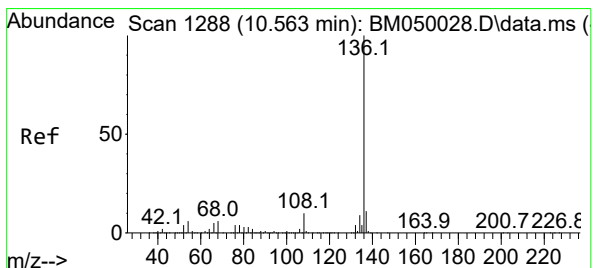
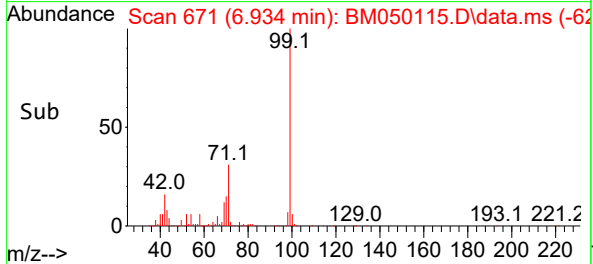
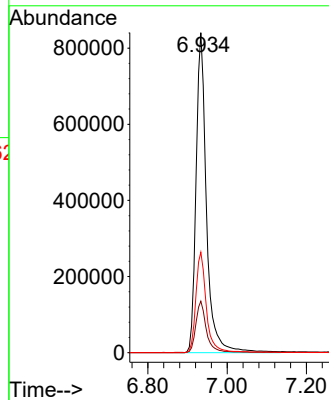
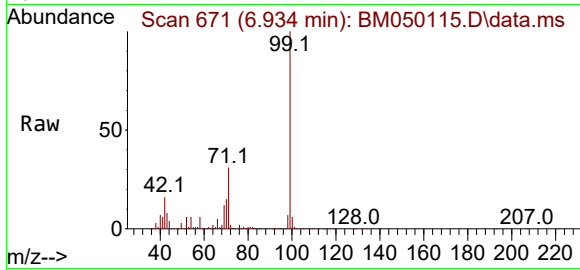




#7
Phenol-d6
Concen: 85.555 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM050115.D
Acq: 06 May 2025 12:04

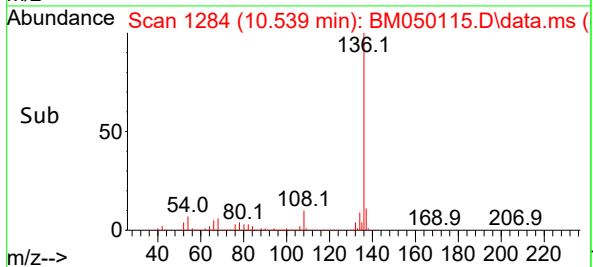
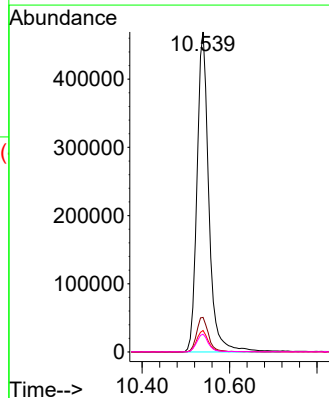
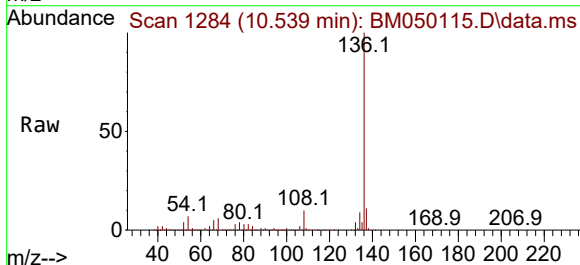
Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-C

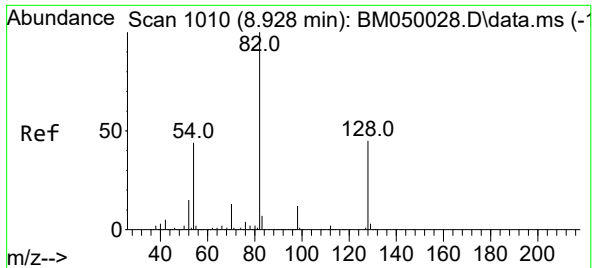
Tgt Ion: 99 Resp: 1537306
Ion Ratio Lower Upper
99 100
42 16.1 13.0 19.4
71 31.4 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 1284
Delta R.T. -0.024 min
Lab File: BM050115.D
Acq: 06 May 2025 12:04

Tgt Ion: 136 Resp: 884780
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 6.7 5.1 7.7
68 5.5 4.4 6.6

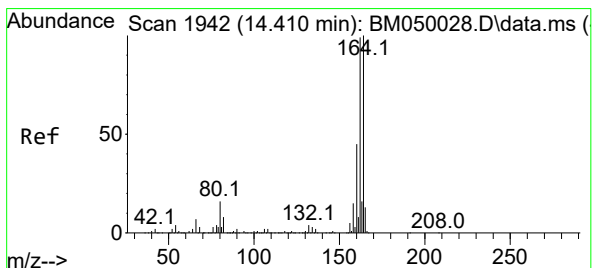
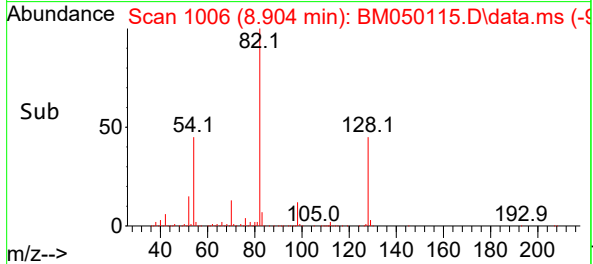
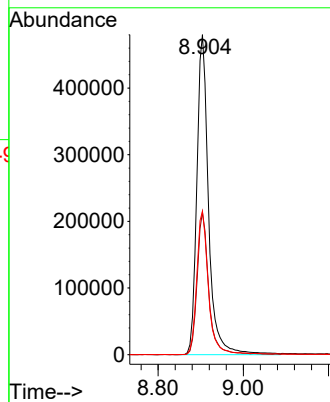
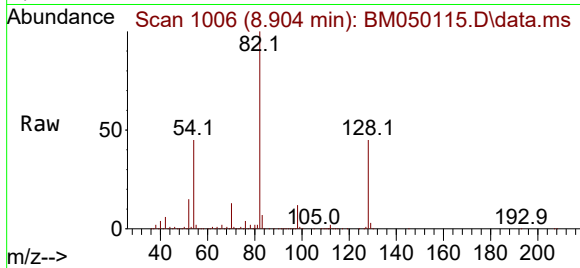




#23
Nitrobenzene-d5
Concen: 51.128 ng
RT: 8.904 min Scan# 1006
Delta R.T. -0.024 min
Lab File: BM050115.D
Acq: 06 May 2025 12:04

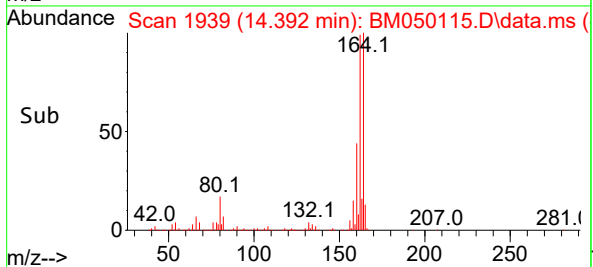
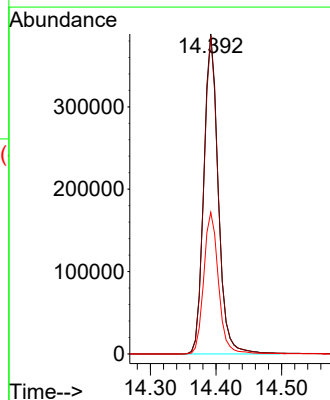
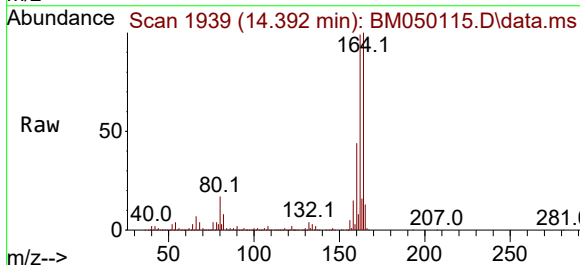
Instrument :
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LOWER-WALL-PILE-C

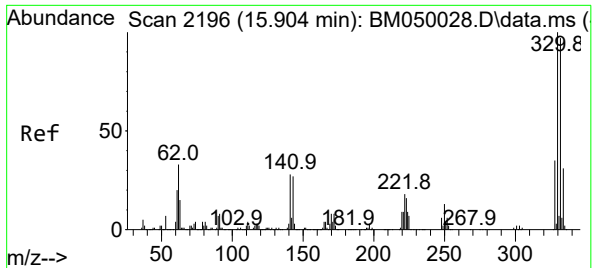
Tgt Ion: 82 Resp: 918020
Ion Ratio Lower Upper
82 100
128 44.5 35.7 53.5
54 44.9 35.4 53.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. -0.018 min
Lab File: BM050115.D
Acq: 06 May 2025 12:04

Tgt Ion: 164 Resp: 598993
Ion Ratio Lower Upper
164 100
162 99.5 79.4 119.0
160 44.3 36.2 54.4

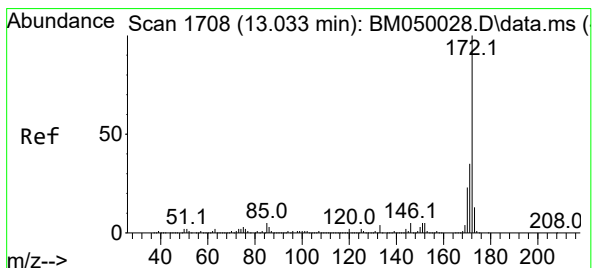
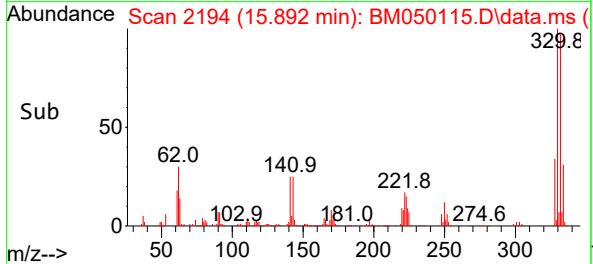
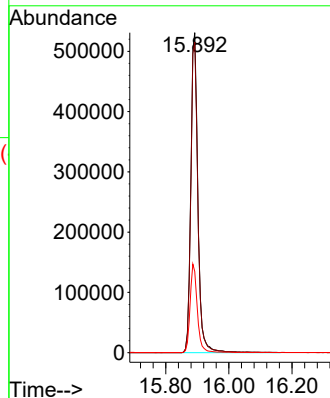
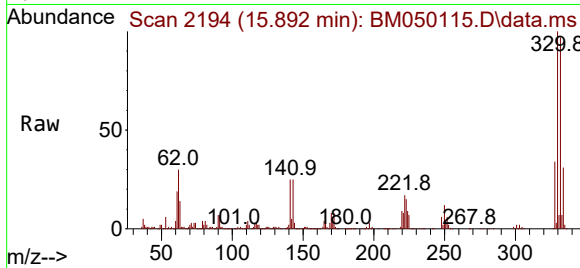




#42
2,4,6-Tribromophenol
Concen: 93.208 ng
RT: 15.892 min Scan# 2194
Delta R.T. -0.012 min
Lab File: BM050115.D
Acq: 06 May 2025 12:04

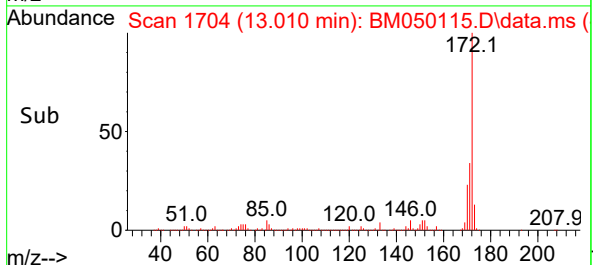
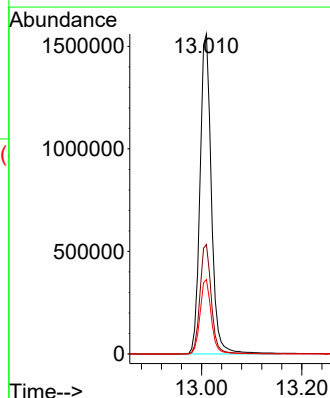
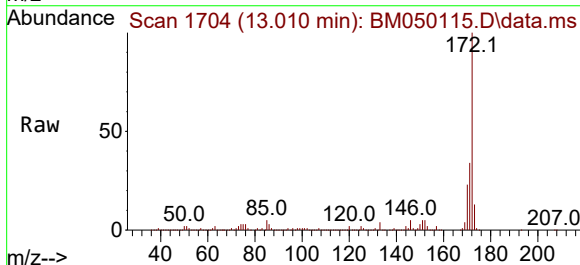
Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-C

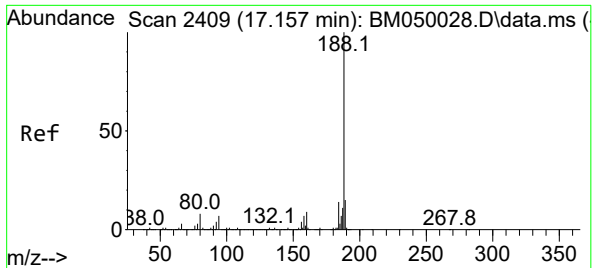
Tgt Ion:330 Resp: 825538
Ion Ratio Lower Upper
330 100
332 96.7 77.3 115.9
141 28.2 22.5 33.7



#45
2-Fluorobiphenyl
Concen: 48.408 ng
RT: 13.010 min Scan# 1704
Delta R.T. -0.024 min
Lab File: BM050115.D
Acq: 06 May 2025 12:04

Tgt Ion:172 Resp: 2451108
Ion Ratio Lower Upper
172 100
171 34.2 27.8 41.6
170 23.3 18.6 28.0

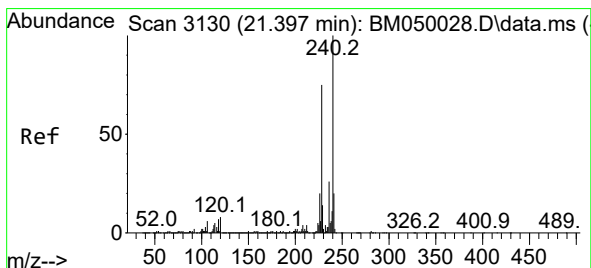
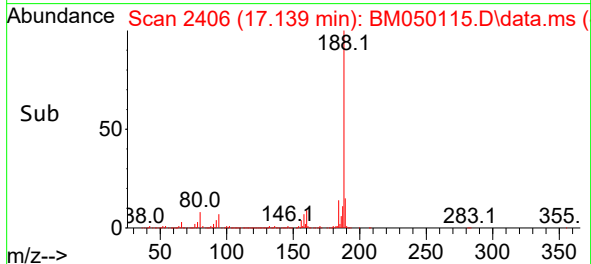
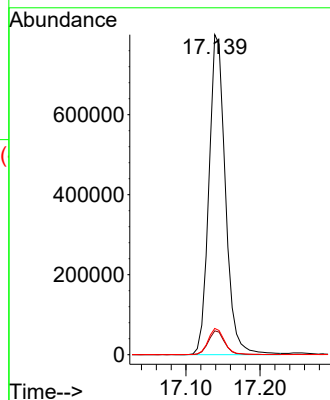
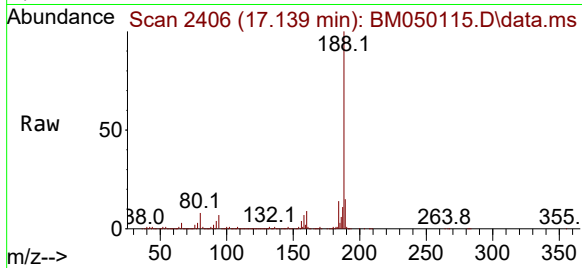




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.139 min Scan# 24
Delta R.T. -0.018 min
Lab File: BM050115.D
Acq: 06 May 2025 12:04

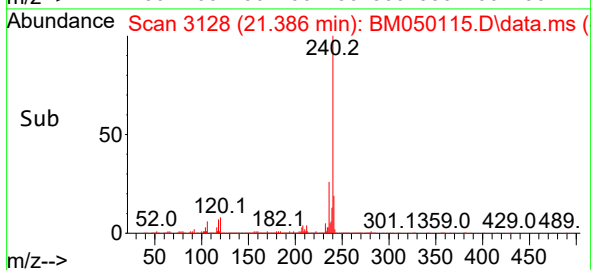
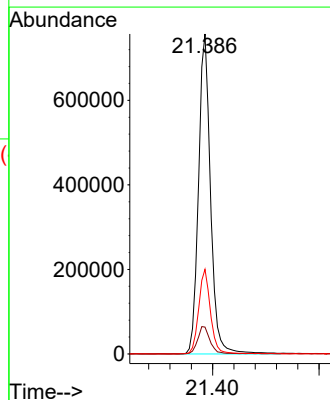
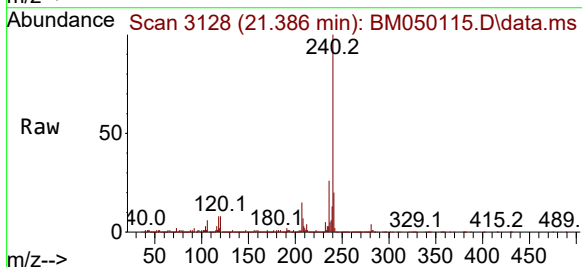
Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-C

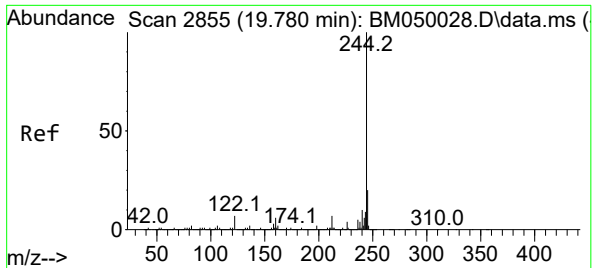
Tgt Ion:188 Resp: 1239129
Ion Ratio Lower Upper
188 100
94 7.5 5.7 8.5
80 8.2 6.2 9.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.386 min Scan# 3128
Delta R.T. -0.011 min
Lab File: BM050115.D
Acq: 06 May 2025 12:04

Tgt Ion:240 Resp: 1188362
Ion Ratio Lower Upper
240 100
120 8.4 6.5 9.7
236 26.5 20.9 31.3

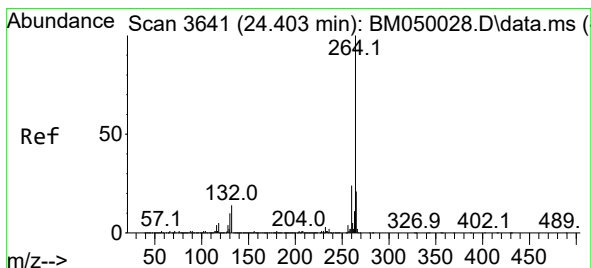
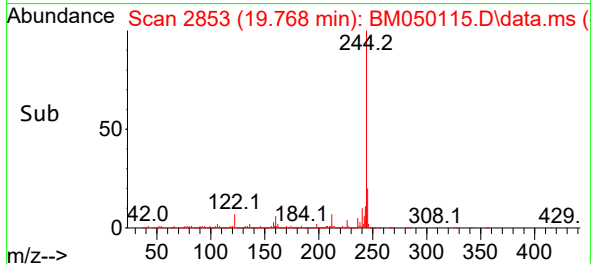
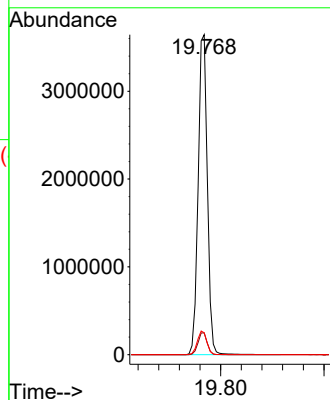
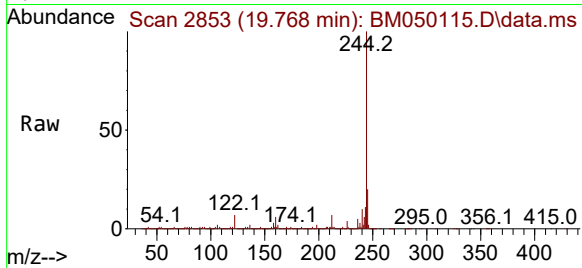




#79
Terphenyl-d14
Concen: 55.960 ng
RT: 19.768 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050115.D
Acq: 06 May 2025 12:04

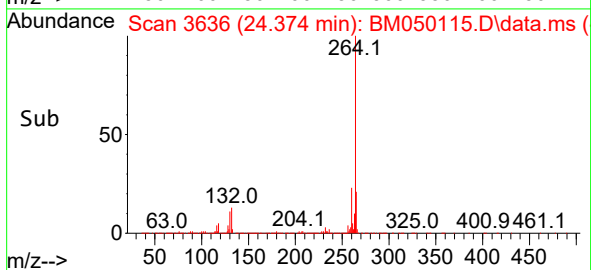
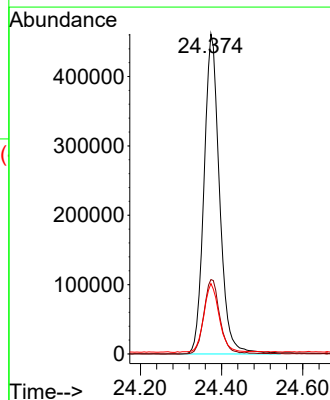
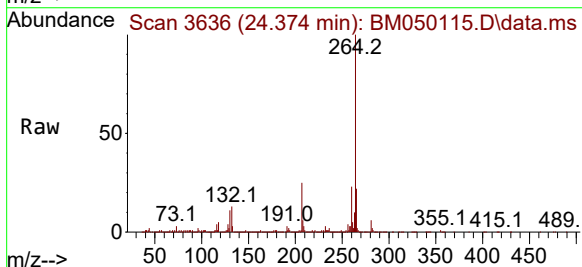
Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-C

Tgt Ion:244 Resp: 4494073
Ion Ratio Lower Upper
244 100
212 6.8 5.6 8.4
122 6.9 5.6 8.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.374 min Scan# 3636
Delta R.T. -0.029 min
Lab File: BM050115.D
Acq: 06 May 2025 12:04

Tgt Ion:264 Resp: 1223159
Ion Ratio Lower Upper
264 100
260 23.2 18.8 28.2
265 22.0 17.0 25.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
 Data File : BM050115.D
 Acq On : 06 May 2025 12:04
 Operator : RC/JU
 Sample : Q1938-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOWER-WALL-PILE-C

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM050115.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.869	314	320	328	rBV	250157	367302	3.27%	0.598%
2	5.340	393	400	416	rBV	2543276	4018610	35.75%	6.541%
3	6.934	664	671	693	rBV	2218001	4029438	35.85%	6.559%
4	7.745	802	809	820	rBV	817695	1357458	12.08%	2.210%
5	8.904	998	1006	1027	rBV	1351406	2578470	22.94%	4.197%
6	10.539	1276	1284	1298	rBV	918549	1721202	15.31%	2.802%
7	13.010	1695	1704	1722	rBV	4127188	6567848	58.43%	10.691%
8	14.392	1932	1939	1951	rBV	1561886	2428560	21.60%	3.953%
9	15.627	2129	2149	2165	rBV4	516091	2917754	25.96%	4.749%
10	15.751	2165	2170	2187	rVV	600137	1300009	11.56%	2.116%
11	15.886	2187	2193	2219	rVB	3573453	5869939	52.22%	9.555%
12	17.139	2400	2406	2420	rBV2	1834412	2910434	25.89%	4.737%
13	18.045	2553	2560	2581	rBV	3525565	5561794	49.48%	9.053%
14	19.321	2772	2777	2793	rBV	920968	1624706	14.45%	2.645%
15	19.580	2817	2821	2828	rVB3	87920	113690	1.01%	0.185%
16	19.768	2847	2853	2867	rBV	8931589	11241062	100.00%	18.298%
17	20.439	2964	2967	2975	rBV3	83427	133732	1.19%	0.218%
18	21.056	3068	3072	3077	rBV2	289944	459450	4.09%	0.748%
19	21.386	3122	3128	3139	rBV	2005937	3176224	28.26%	5.170%
20	24.374	3629	3636	3650	rVB	1175057	3056505	27.19%	4.975%

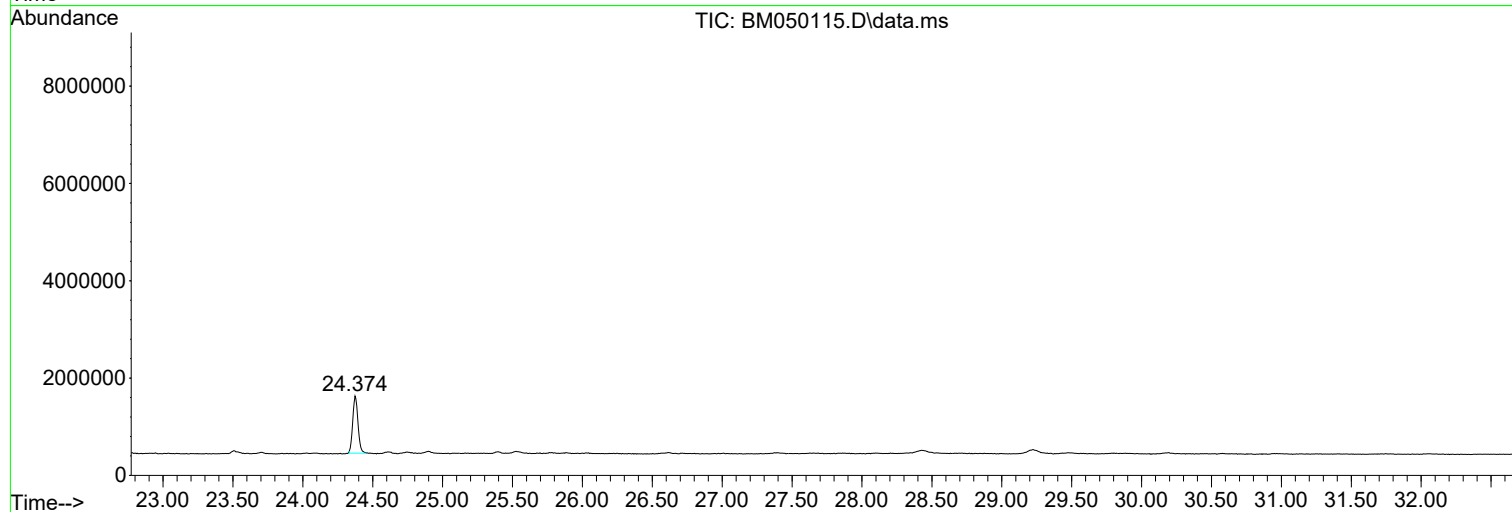
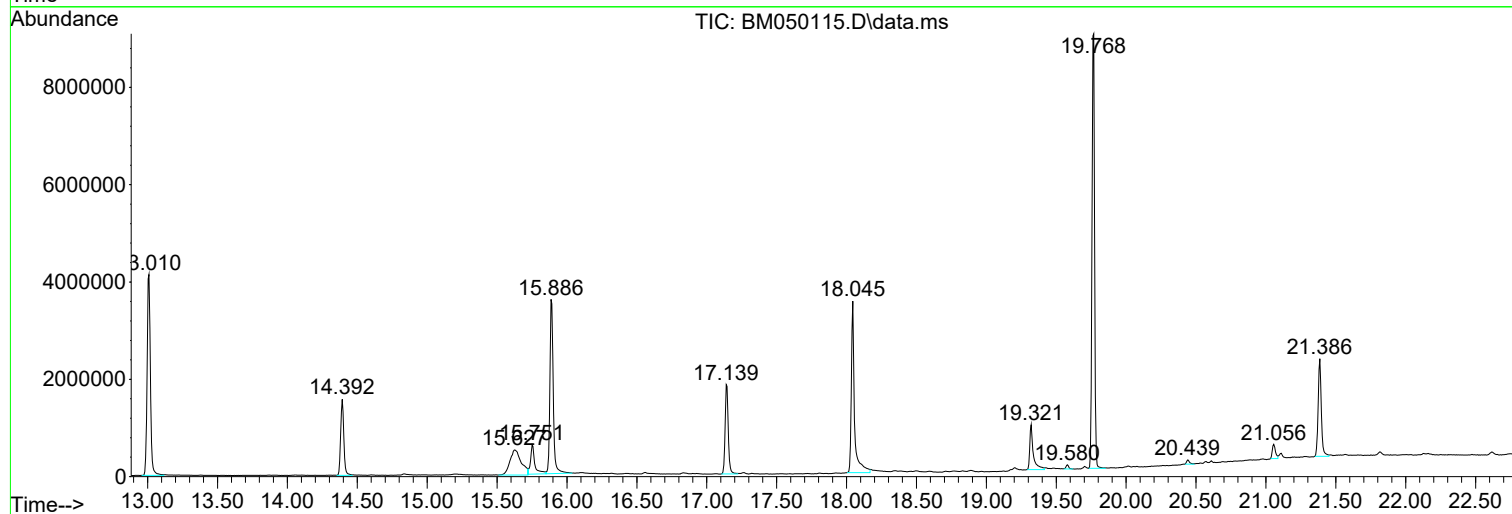
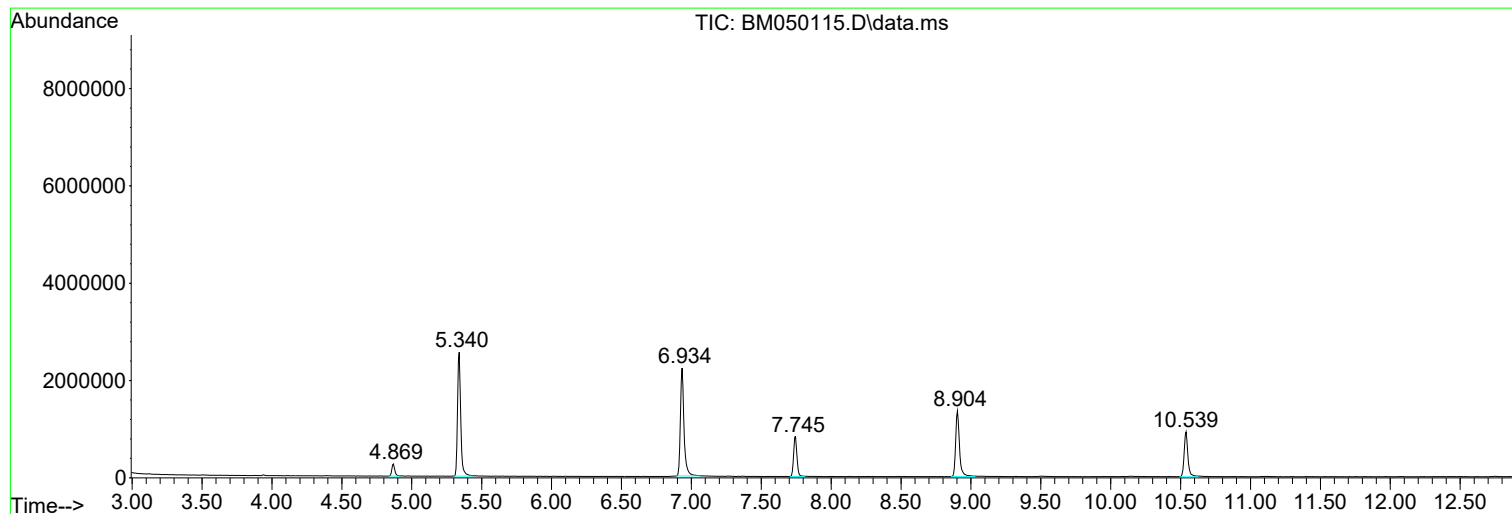
Sum of corrected areas: 61434187

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
Data File : BM050115.D
Acq On : 06 May 2025 12:04
Operator : RC/JU
Sample : Q1938-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-C

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
Data File : BM050115.D
Acq On : 06 May 2025 12:04
Operator : RC/JU
Sample : Q1938-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-C

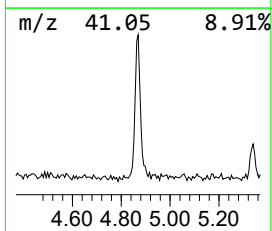
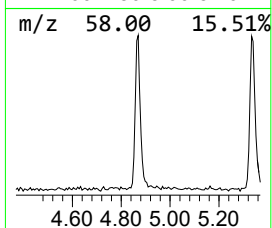
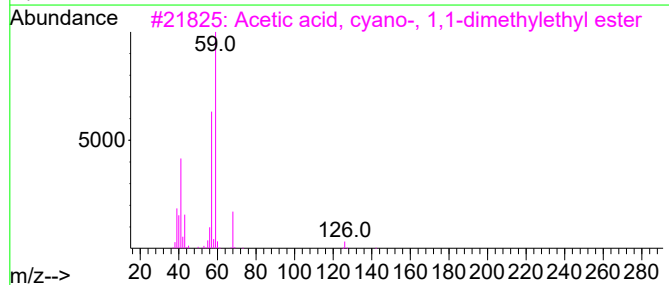
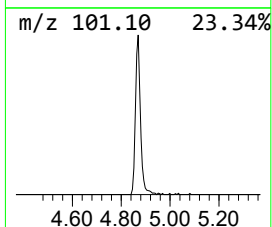
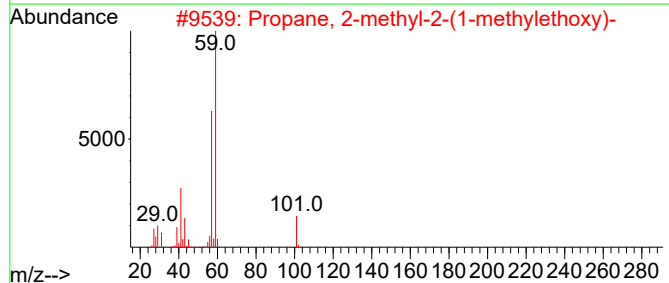
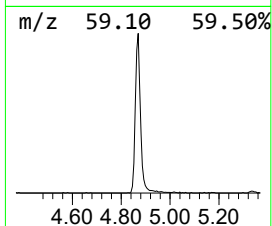
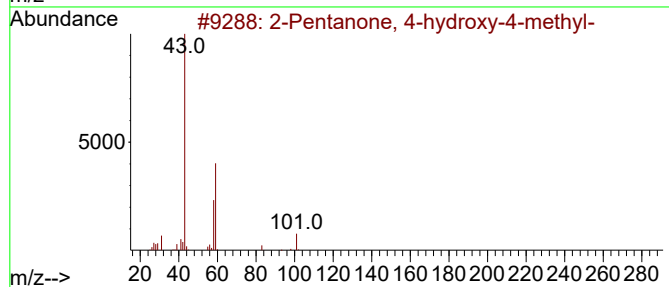
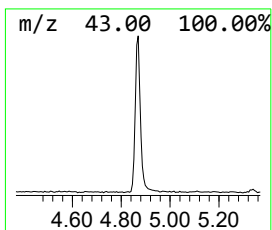
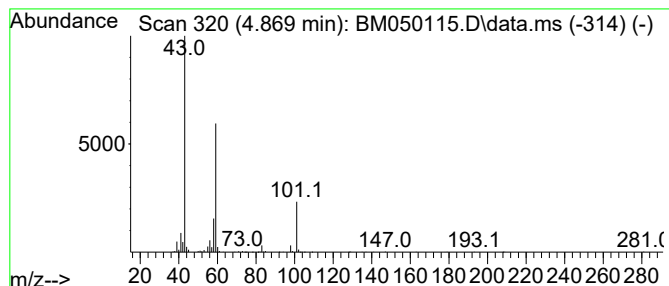
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.869	5.41 ng	367302	1,4-Dichlorobenzene-d4	7.745

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72		
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	53		
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23		
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	23		
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9		



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
Data File : BM050115.D
Acq On : 06 May 2025 12:04
Operator : RC/JU
Sample : Q1938-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-C

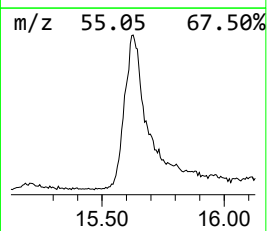
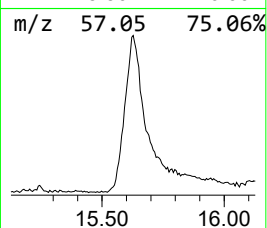
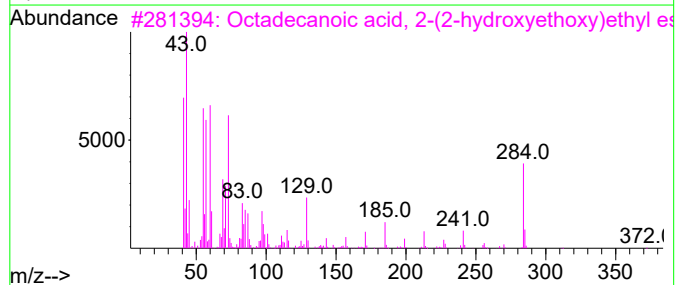
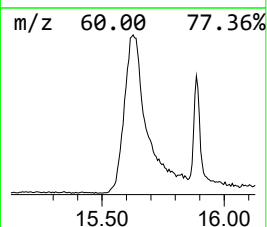
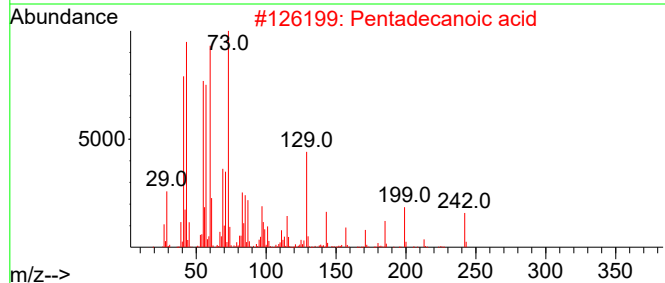
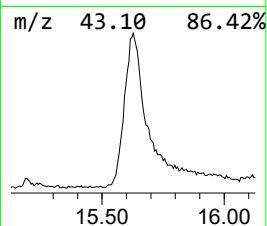
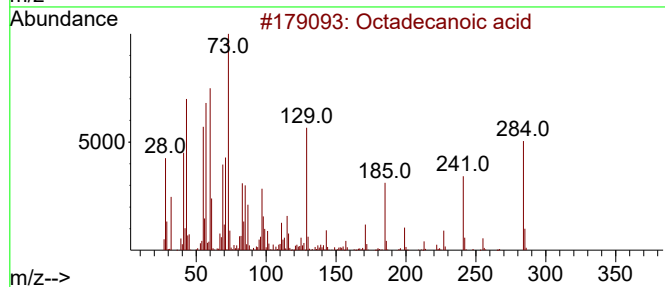
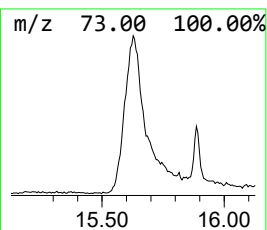
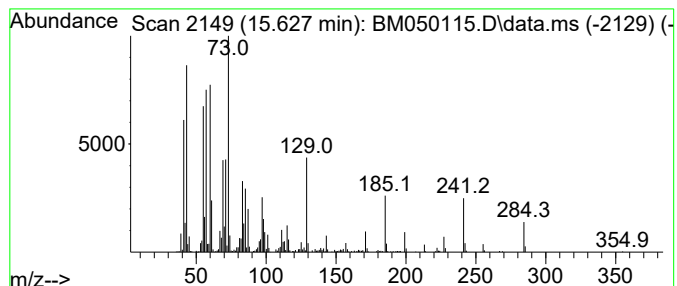
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Octadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.627	24.03 ng	2917750	Acenaphthene-d10	14.392

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecanoic acid	284	C18H36O2	000057-11-4	99
2			Pentadecanoic acid	242	C15H30O2	001002-84-2	93
3			Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	86
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	83
5			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
Data File : BM050115.D
Acq On : 06 May 2025 12:04
Operator : RC/JU
Sample : Q1938-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-C

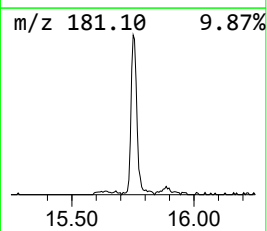
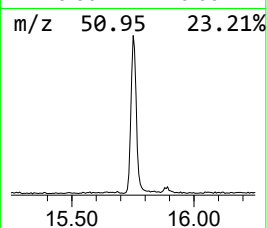
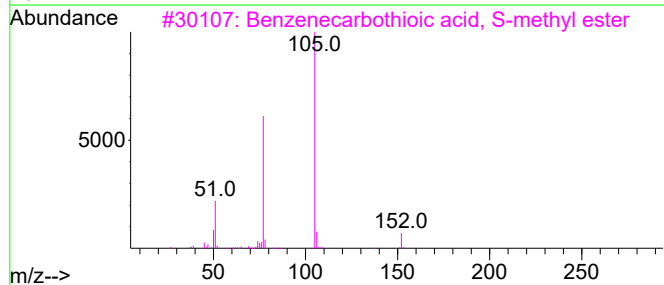
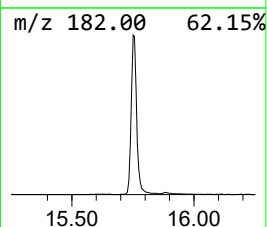
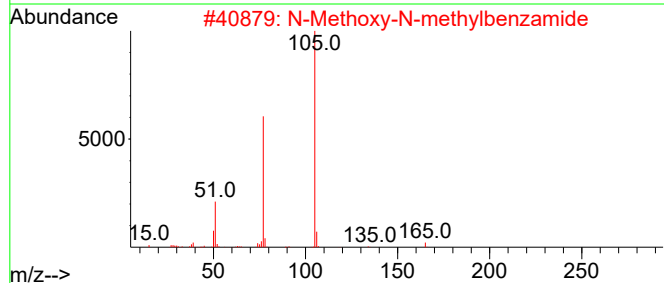
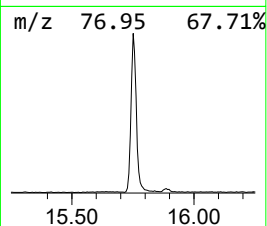
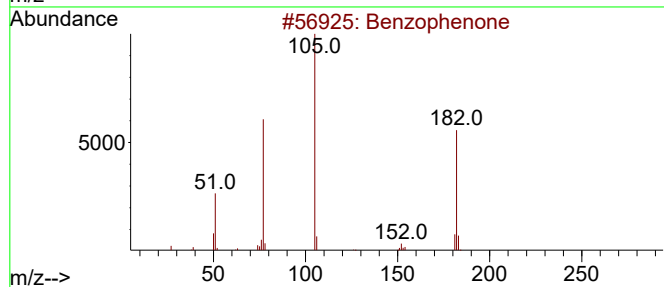
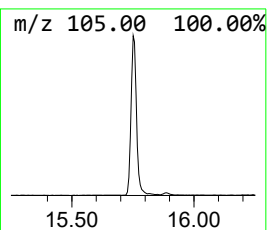
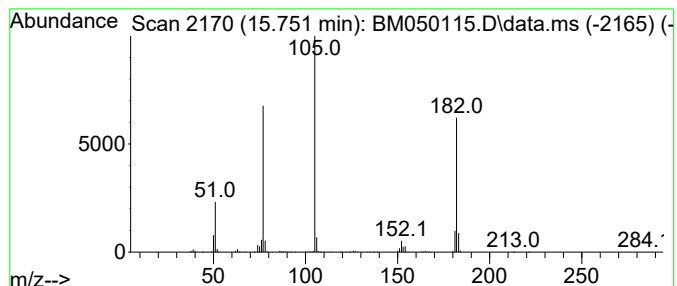
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.751	10.71 ng	1300010	Acenaphthene-d10	14.392

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	49
3			Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	49
4			1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	47
5			Benzoic acid, 3,5-difluophenyl e...	234	C13H8F2O2	1000357-79-5	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
Data File : BM050115.D
Acq On : 06 May 2025 12:04
Operator : RC/JU
Sample : Q1938-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-C

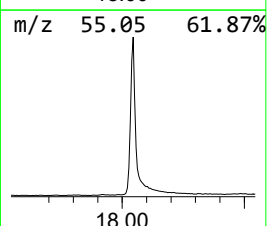
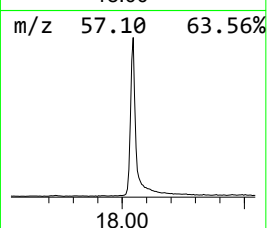
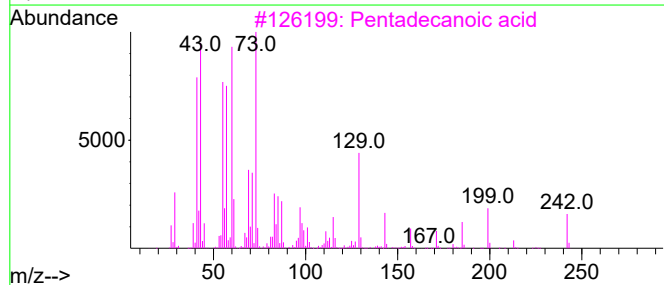
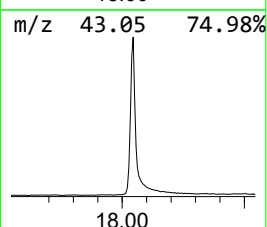
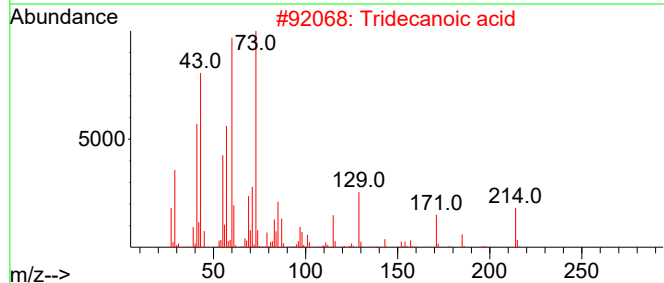
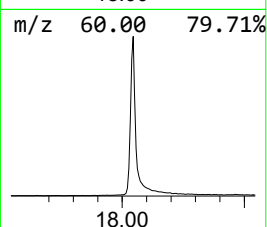
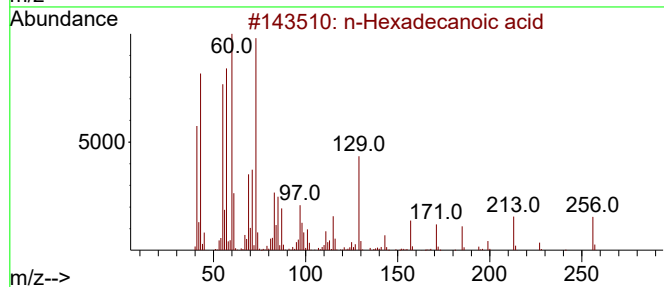
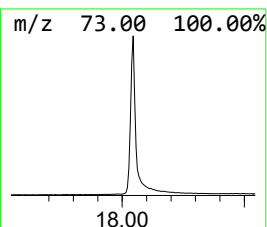
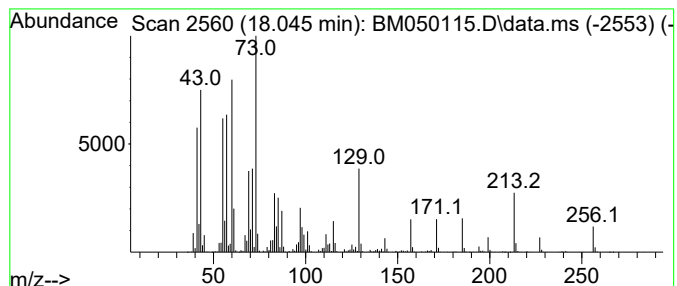
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.045	38.22 ng	5561790	Phenanthrene-d10	17.139

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2			Tridecanoic acid	214	C13H26O2	000638-53-9	91
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	80
5			n-Decanoic acid	172	C10H20O2	000334-48-5	76



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
Data File : BM050115.D
Acq On : 06 May 2025 12:04
Operator : RC/JU
Sample : Q1938-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
LOWER-WALL-PILE-C

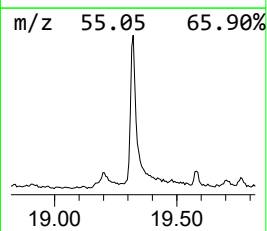
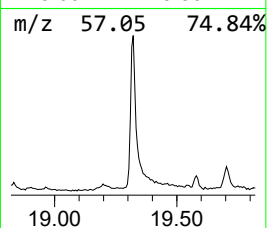
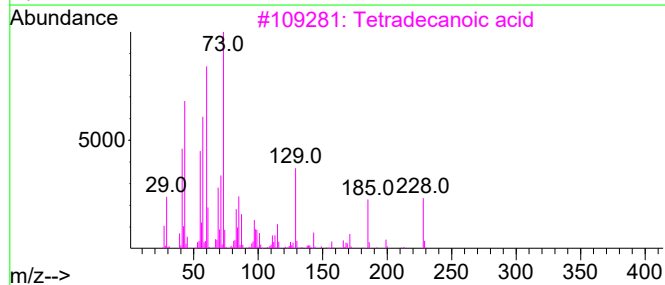
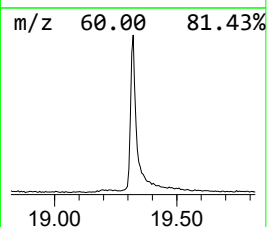
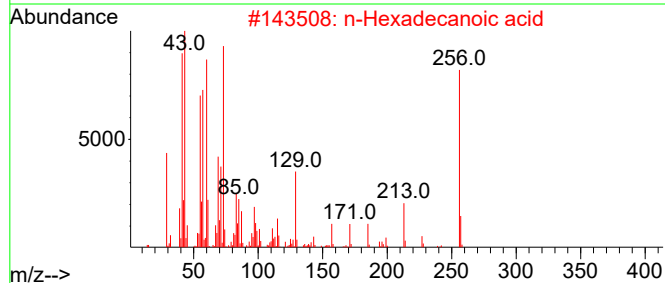
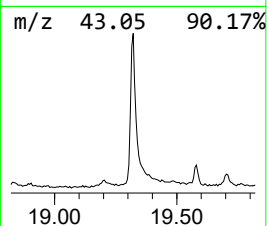
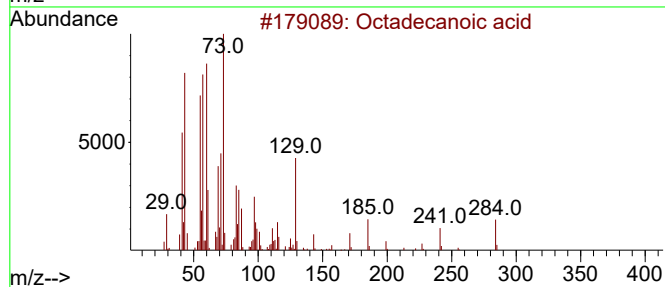
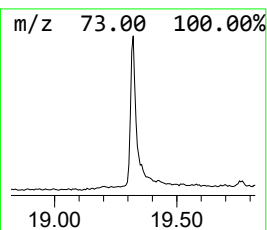
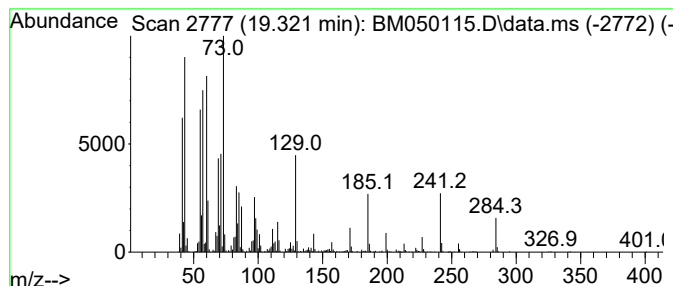
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Tetradecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.321	10.23 ng	1624710	Chrysene-d12	21.386

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecanoic acid	284	C18H36O2	000057-11-4	99
2			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
3			Tetradecanoic acid	228	C14H28O2	000544-63-8	83
4			Tridecanoic acid	214	C13H26O2	000638-53-9	76
5			Pentadecanoic acid	242	C15H30O2	001002-84-2	76



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
Data File : BM050115.D
Acq On : 06 May 2025 12:04
Operator : RC/JU
Sample : Q1938-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
LOWER-WALL-PILE-C

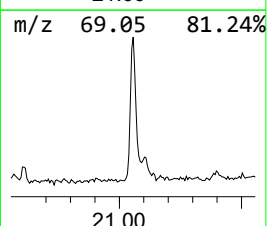
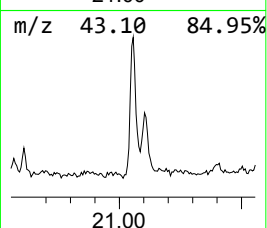
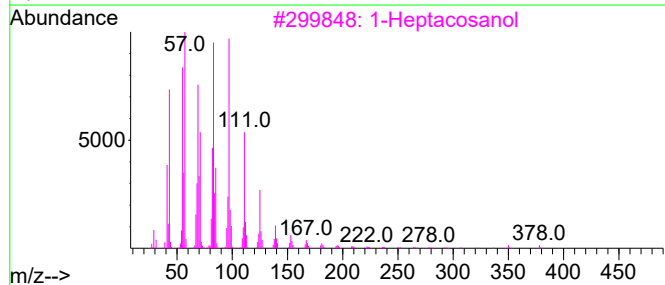
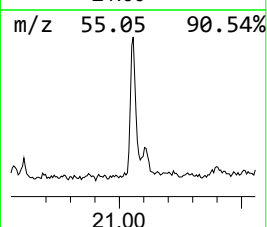
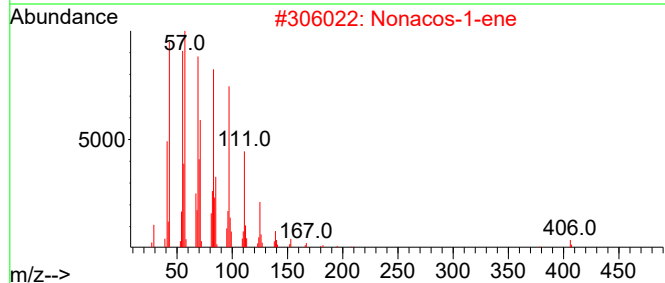
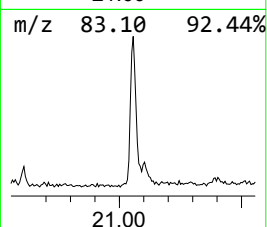
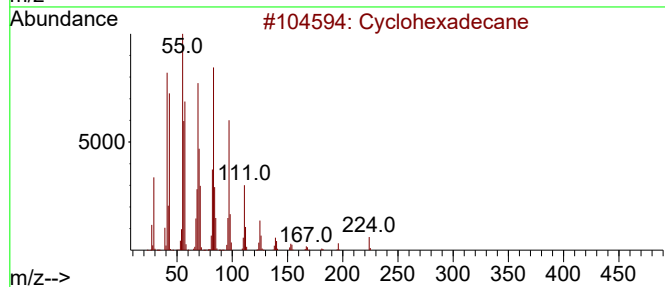
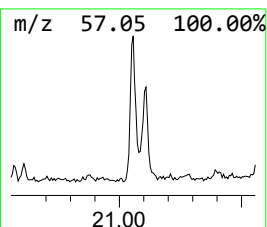
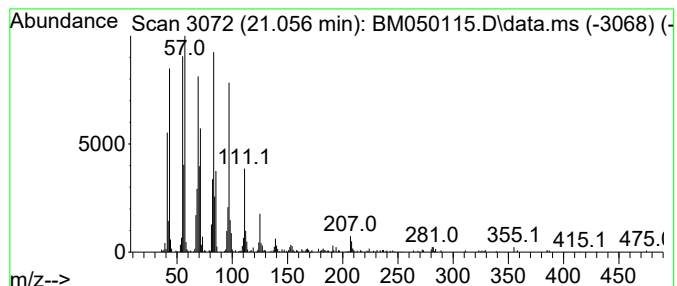
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Cyclohexadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.056	2.89 ng	459450	Chrysene-d12	21.386

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexadecane	224	C16H32	000295-65-8	94
2			Nonacos-1-ene	406	C29H58	018835-35-3	94
3			1-Heptacosanol	396	C27H56O	002004-39-9	94
4			1-Hexacosene	364	C26H52	018835-33-1	91
5			1-Heneicosyl formate	340	C22H44O2	077899-03-7	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
Data File : BM050115.D
Acq On : 06 May 2025 12:04
Operator : RC/JU
Sample : Q1938-05
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-C

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-...	4.869	5.4	ng	367302	1	7.745	1357460	20.0
Octadecanoic acid	15.627	24.0	ng	2917750	3	14.392	2428560	20.0
Benzophenone	15.751	10.7	ng	1300010	3	14.392	2428560	20.0
n-Hexadecanoic ...	18.045	38.2	ng	5561790	4	17.139	2910430	20.0
Tetradecanoic acid	19.321	10.2	ng	1624710	5	21.386	3176220	20.0
Cyclohexadecane	21.056	2.9	ng	459450	5	21.386	3176220	20.0

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	05/01/25
Project:	Stan Hope	Date Received:	05/01/25
Client Sample ID:	LOWER-WALL-PILE-D	SDG No.:	Q1938
Lab Sample ID:	Q1938-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	95
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
BM050116.D	1	05/05/25 09:35	05/06/25 12:44	PB167857

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	160	U	160	350	ug/Kg
108-95-2	Phenol	23.2	U	23.2	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	25.5	U	25.5	180	ug/Kg
95-57-8	2-Chlorophenol	25.6	U	25.6	180	ug/Kg
95-48-7	2-Methylphenol	31.4	U	31.4	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	39.4	U	39.4	180	ug/Kg
98-86-2	Acetophenone	31.0	U	31.0	180	ug/Kg
65794-96-9	3+4-Methylphenols	43.2	U	43.2	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	49.8	U	49.8	84.1	ug/Kg
67-72-1	Hexachloroethane	18.5	U	18.5	180	ug/Kg
98-95-3	Nitrobenzene	19.2	U	19.2	180	ug/Kg
78-59-1	Isophorone	34.5	U	34.5	180	ug/Kg
88-75-5	2-Nitrophenol	61.2	U	61.2	180	ug/Kg
105-67-9	2,4-Dimethylphenol	68.1	U	68.1	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	32.4	U	32.4	180	ug/Kg
120-83-2	2,4-Dichlorophenol	29.7	U	29.7	180	ug/Kg
91-20-3	Naphthalene	23.9	U	23.9	180	ug/Kg
106-47-8	4-Chloroaniline	37.2	UQ	37.2	180	ug/Kg
87-68-3	Hexachlorobutadiene	26.6	U	26.6	180	ug/Kg
105-60-2	Caprolactam	54.8	U	54.8	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	30.2	U	30.2	180	ug/Kg
91-57-6	2-Methylnaphthalene	26.9	U	26.9	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	20.8	U	20.8	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	30.6	U	30.6	180	ug/Kg
92-52-4	1,1-Biphenyl	22.9	U	22.9	180	ug/Kg
91-58-7	2-Chloronaphthalene	23.6	U	23.6	180	ug/Kg
88-74-4	2-Nitroaniline	50.5	U	50.5	180	ug/Kg
131-11-3	Dimethylphthalate	28.5	U	28.5	180	ug/Kg

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	05/01/25
Project:	Stan Hope	Date Received:	05/01/25
Client Sample ID:	LOWER-WALL-PILE-D	SDG No.:	Q1938
Lab Sample ID:	Q1938-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	95
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
BM050116.D	1	05/05/25 09:35	05/06/25 12:44	PB167857

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	30.4	U	30.4	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	35.3	U	35.3	180	ug/Kg
99-09-2	3-Nitroaniline	48.3	U	48.3	180	ug/Kg
83-32-9	Acenaphthene	22.4	U	22.4	180	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	350	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	350	ug/Kg
132-64-9	Dibenzofuran	23.9	U	23.9	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	52.6	U	52.6	180	ug/Kg
84-66-2	Diethylphthalate	29.7	U	29.7	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	28.1	U	28.1	180	ug/Kg
86-73-7	Fluorene	26.6	U	26.6	180	ug/Kg
100-01-6	4-Nitroaniline	67.5	U	67.5	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	34.6	U	34.6	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	29.2	U	29.2	180	ug/Kg
118-74-1	Hexachlorobenzene	26.6	U	26.6	180	ug/Kg
1912-24-9	Atrazine	35.7	U	35.7	180	ug/Kg
87-86-5	Pentachlorophenol	53.9	U	53.9	350	ug/Kg
85-01-8	Phenanthrene	22.0	U	22.0	180	ug/Kg
120-12-7	Anthracene	35.0	U	35.0	180	ug/Kg
86-74-8	Carbazole	32.8	U	32.8	180	ug/Kg
84-74-2	Di-n-butylphthalate	50.3	U	50.3	180	ug/Kg
206-44-0	Fluoranthene	31.5	U	31.5	180	ug/Kg
129-00-0	Pyrene	37.8	U	37.8	180	ug/Kg
85-68-7	Butylbenzylphthalate	75.0	U	75.0	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	38.6	UQ	38.6	350	ug/Kg
56-55-3	Benzo(a)anthracene	24.2	U	24.2	180	ug/Kg
218-01-9	Chrysene	20.9	U	20.9	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	62.2	U	62.2	180	ug/Kg
117-84-0	Di-n-octyl phthalate	91.2	U	91.2	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	20.0	U	20.0	180	ug/Kg

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	05/01/25
Project:	Stan Hope	Date Received:	05/01/25
Client Sample ID:	LOWER-WALL-PILE-D	SDG No.:	Q1938
Lab Sample ID:	Q1938-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	95
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
BM050116.D	1	05/05/25 09:35	05/06/25 12:44	PB167857

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	23.5	U	23.5	180	ug/Kg
50-32-8	Benzo(a)pyrene	31.0	U	31.0	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	30.6	U	30.6	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	28.8	U	28.8	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	27.0	U	27.0	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	26.9	U	26.9	180	ug/Kg
123-91-1	1,4-Dioxane	47.5	U	47.5	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	28.8	U	28.8	180	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	80.4		30 (18) - 130 (112)	54%	SPK: 150
13127-88-3	Phenol-d6	80.9		30 (15) - 130 (107)	54%	SPK: 150
4165-60-0	Nitrobenzene-d5	46.7		30 (18) - 130 (107)	47%	SPK: 100
321-60-8	2-Fluorobiphenyl	46.2		30 (20) - 130 (109)	46%	SPK: 100
118-79-6	2,4,6-Tribromophenol	80.4		30 (10) - 130 (116)	54%	SPK: 150
1718-51-0	Terphenyl-d14	52.8		30 (10) - 130 (105)	53%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	281000	7.739
1146-65-2	Naphthalene-d8	1030000	10.539
15067-26-2	Acenaphthene-d10	697000	14.392
1517-22-2	Phenanthrene-d10	1380000	17.139
1719-03-5	Chrysene-d12	1300000	21.386
1520-96-3	Perylene-d12	1340000	24.374

TENTATIVE IDENTIFIED COMPOUNDS

000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	170	AB	4.87	ug/Kg
000119-61-9	Benzophenone	210	J	15.8	ug/Kg
000057-10-3	n-Hexadecanoic acid	470	J	18.0	ug/Kg
000057-11-4	Octadecanoic acid	110	J	19.3	ug/Kg
000295-17-0	Cyclotetradecane	140	J	21.1	ug/Kg

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	05/01/25
Project:	Stan Hope	Date Received:	05/01/25
Client Sample ID:	LOWER-WALL-PILE-D	SDG No.:	Q1938
Lab Sample ID:	Q1938-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	95
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
BM050116.D	1	05/05/25 09:35	05/06/25 12:44	PB167857

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
Data File : BM050116.D
Acq On : 06 May 2025 12:44
Operator : RC/JU
Sample : Q1938-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-D

Quant Time: May 06 13:30:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.739	152	280773	20.000	ng	-0.03
21) Naphthalene-d8	10.539	136	1030516	20.000	ng	-0.02
39) Acenaphthene-d10	14.392	164	696578	20.000	ng	-0.02
64) Phenanthrene-d10	17.139	188	1376380	20.000	ng	-0.02
76) Chrysene-d12	21.386	240	1301506	20.000	ng	-0.01
86) Perylene-d12	24.374	264	1342832	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1289094	80.396	ng	-0.02
7) Phenol-d6	6.934	99	1629557	80.859	ng	-0.02
23) Nitrobenzene-d5	8.904	82	975651	46.653	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	828289	80.418	ng	-0.01
45) 2-Fluorobiphenyl	13.010	172	2718769	46.172	ng	-0.02
79) Terphenyl-d14	19.768	244	4643550	52.795	ng	-0.01

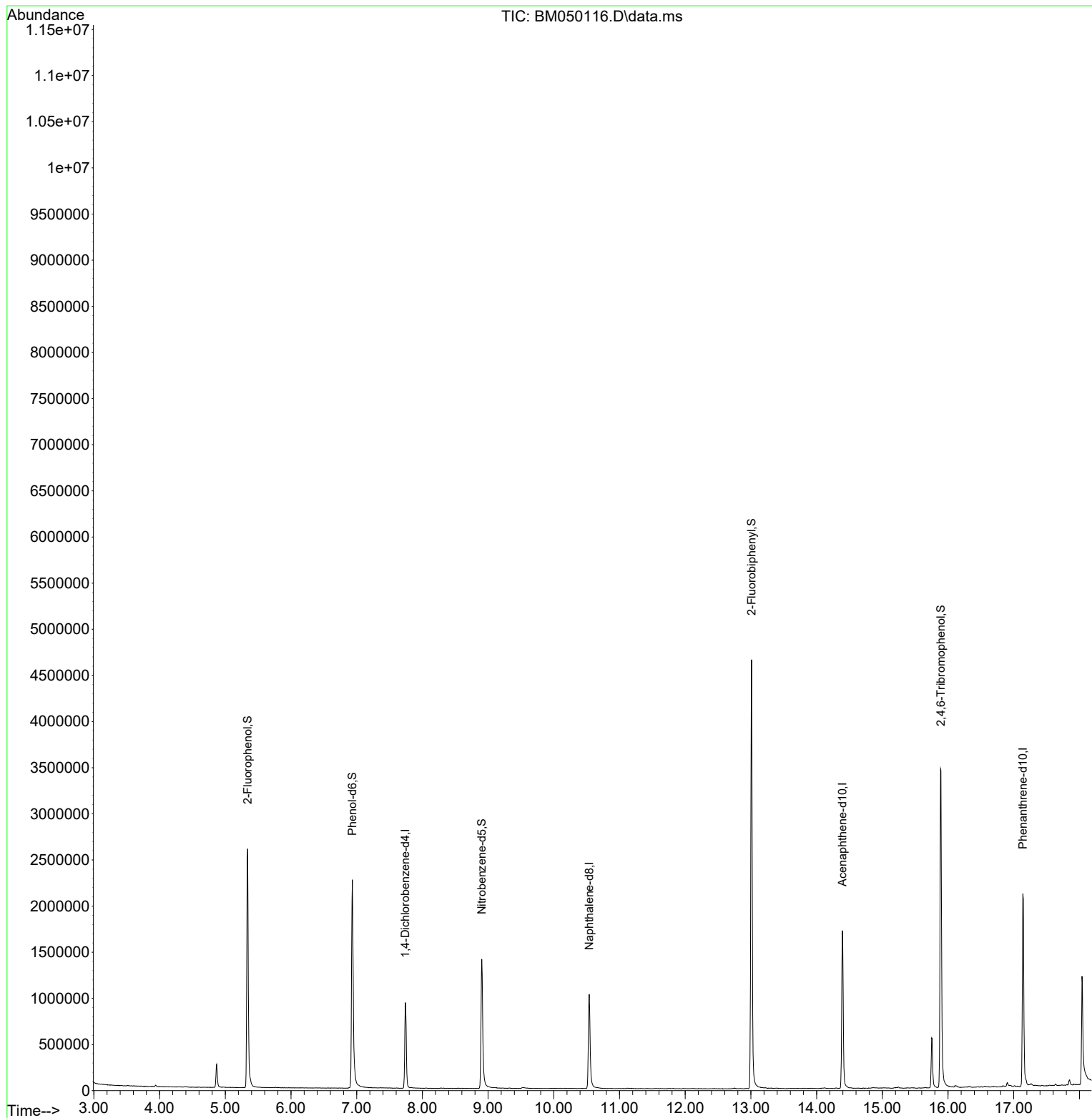
Target Compounds	Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
Data File : BM050116.D
Acq On : 06 May 2025 12:44
Operator : RC/JU
Sample : Q1938-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-D

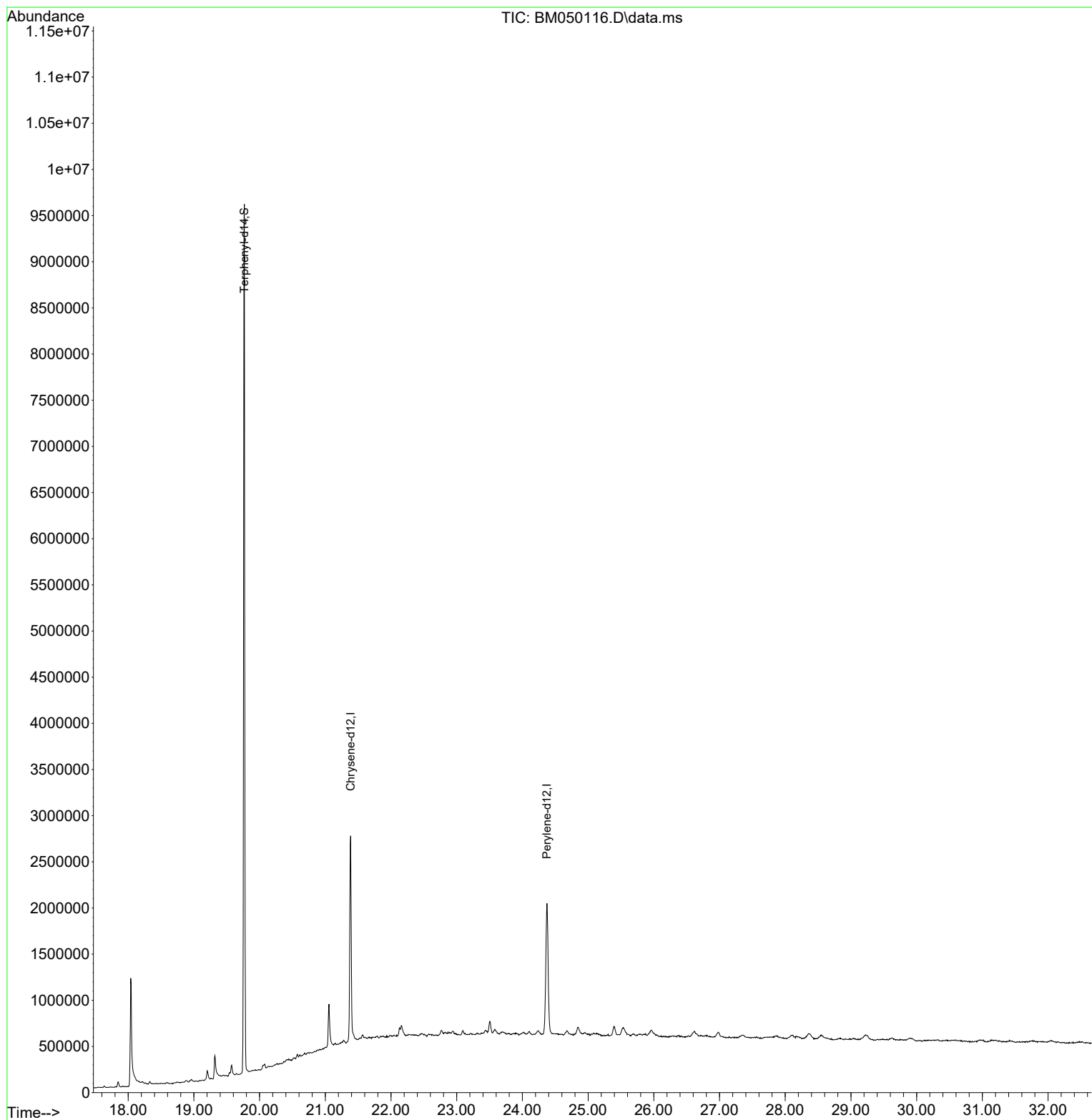
Quant Time: May 06 13:30:44 2025
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

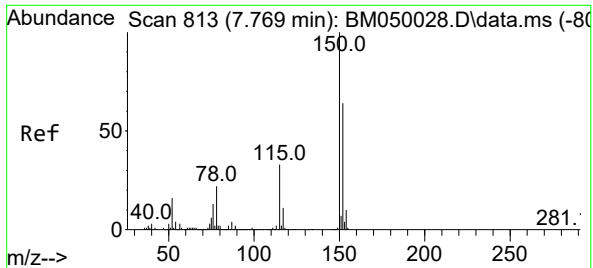


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Operator : RC/JU
Sample : Q1938-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-D

Quant Time: May 06 13:30:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

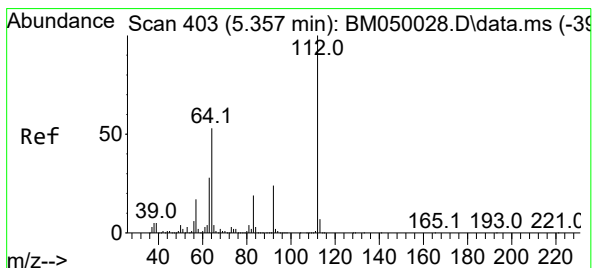
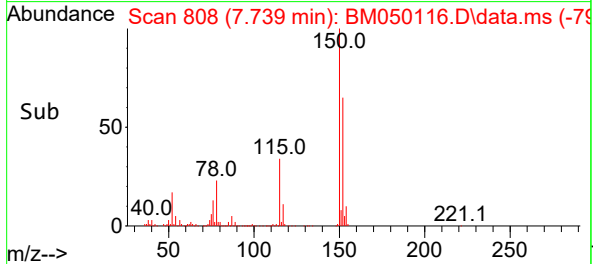
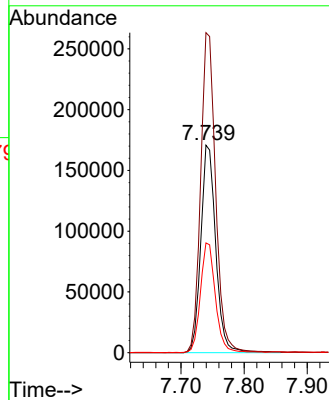
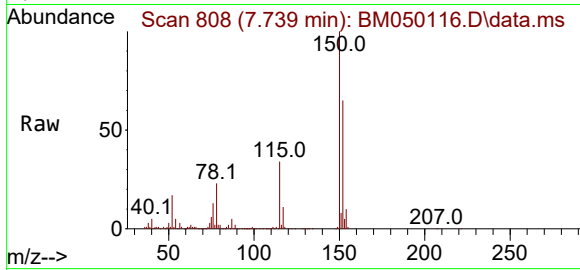




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.739 min Scan# 808
Delta R.T. -0.030 min
Lab File: BM050116.D
Acq: 06 May 2025 12:44

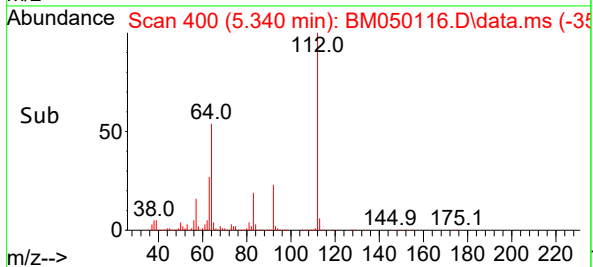
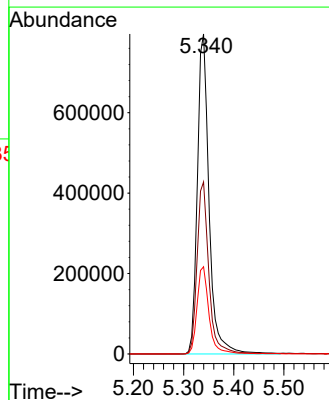
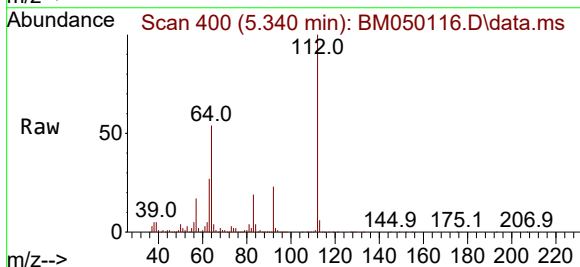
Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-D

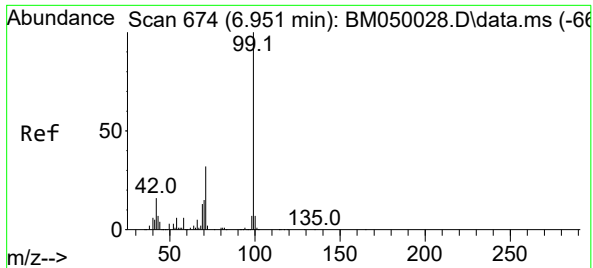
Tgt Ion:152 Resp: 280773
Ion Ratio Lower Upper
152 100
150 154.2 124.1 186.1
115 52.9 41.2 61.8



#5
2-Fluorophenol
Concen: 80.396 ng
RT: 5.340 min Scan# 400
Delta R.T. -0.018 min
Lab File: BM050116.D
Acq: 06 May 2025 12:44

Tgt Ion:112 Resp: 1289094
Ion Ratio Lower Upper
112 100
64 53.8 42.6 64.0
63 27.3 22.2 33.4

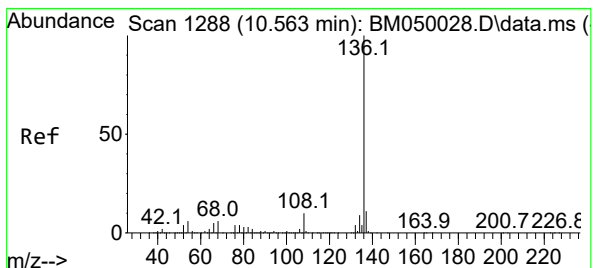
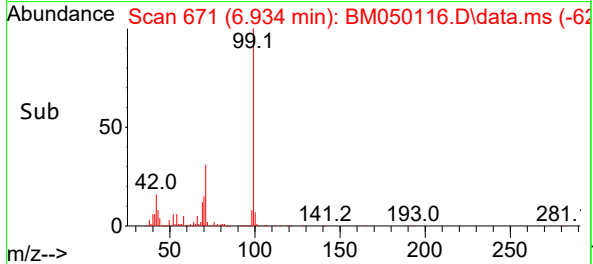
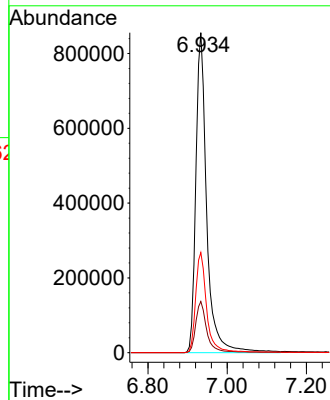
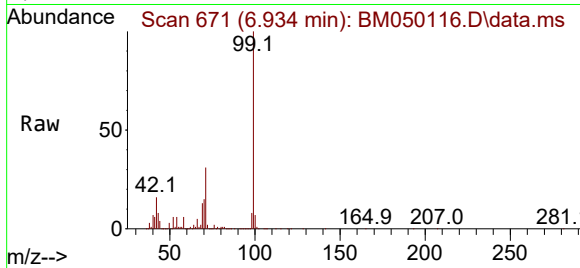




#7
Phenol-d6
Concen: 80.859 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM050116.D
Acq: 06 May 2025 12:44

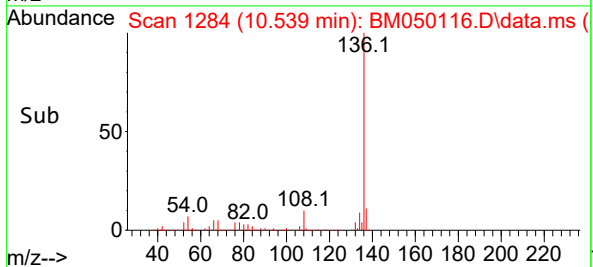
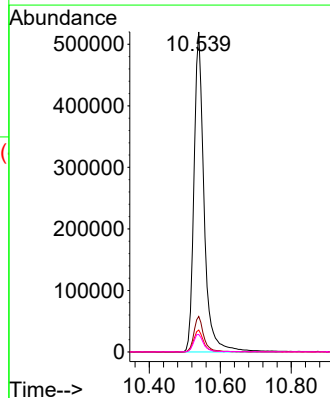
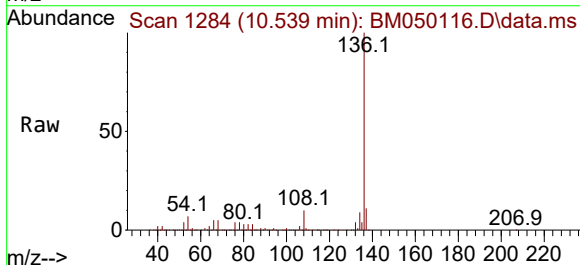
Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-D

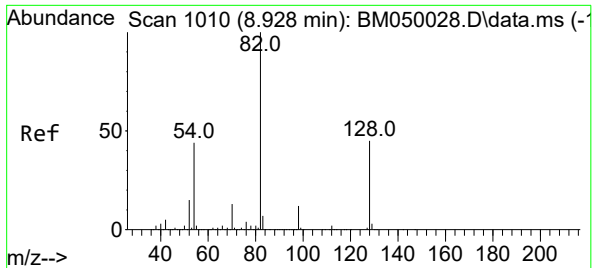
Tgt Ion: 99 Resp: 1629557
Ion Ratio Lower Upper
99 100
42 16.0 13.0 19.4
71 31.3 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 1284
Delta R.T. -0.024 min
Lab File: BM050116.D
Acq: 06 May 2025 12:44

Tgt Ion: 136 Resp: 1030516
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 6.9 5.1 7.7
68 5.5 4.4 6.6

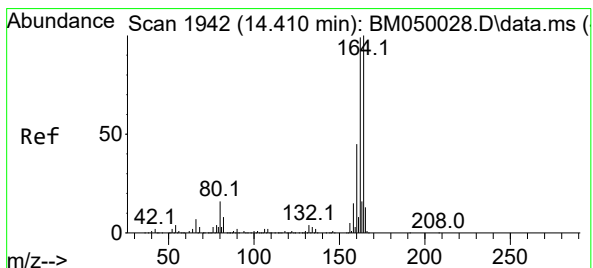
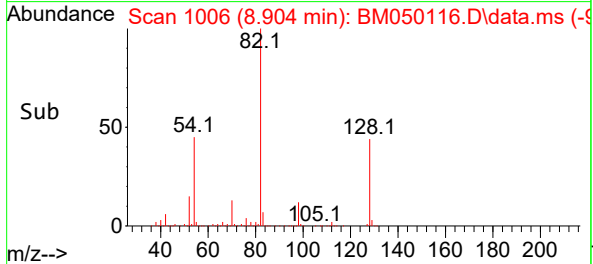
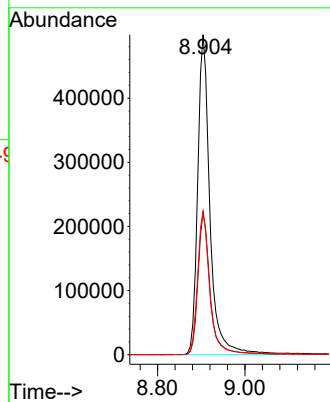
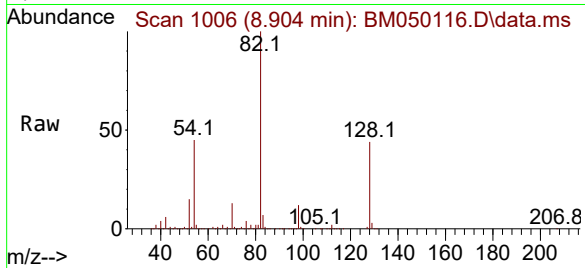




#23
Nitrobenzene-d5
Concen: 46.653 ng
RT: 8.904 min Scan# 1006
Delta R.T. -0.024 min
Lab File: BM050116.D
Acq: 06 May 2025 12:44

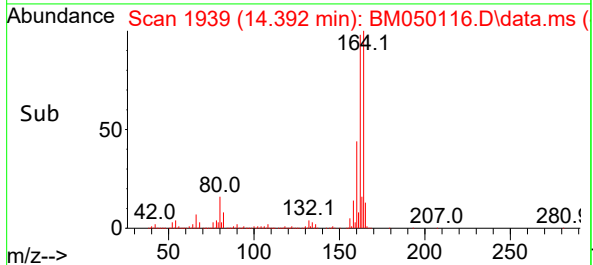
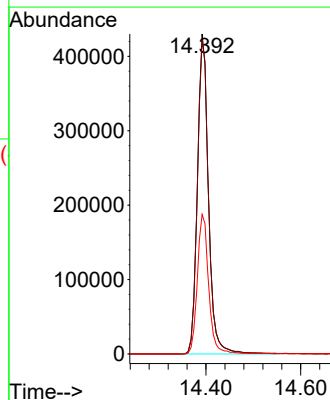
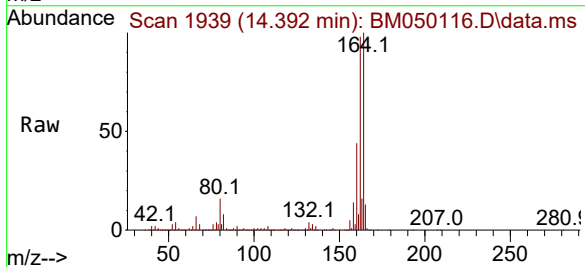
Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-D

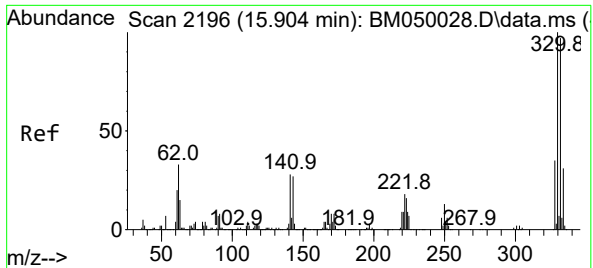
Tgt Ion: 82 Resp: 975651
Ion Ratio Lower Upper
82 100
128 44.4 35.7 53.5
54 44.9 35.4 53.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. -0.018 min
Lab File: BM050116.D
Acq: 06 May 2025 12:44

Tgt Ion: 164 Resp: 696578
Ion Ratio Lower Upper
164 100
162 98.1 79.4 119.0
160 43.6 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 80.418 ng

RT: 15.892 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM050116.D

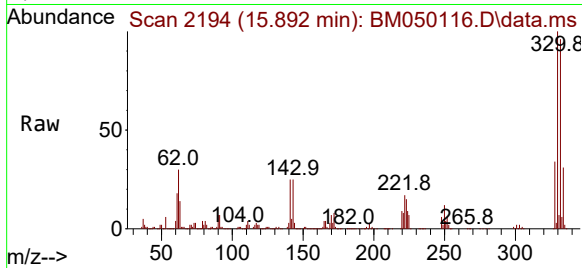
Acq: 06 May 2025 12:44

Instrument :

BNA_M

ClientSampleId :

LOWER-WALL-PILE-D



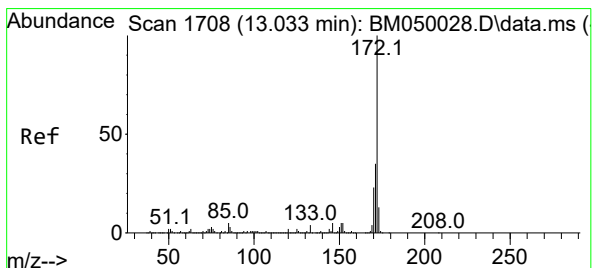
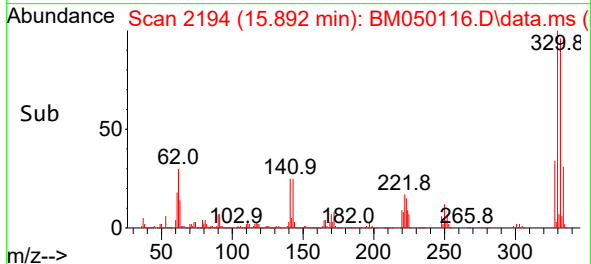
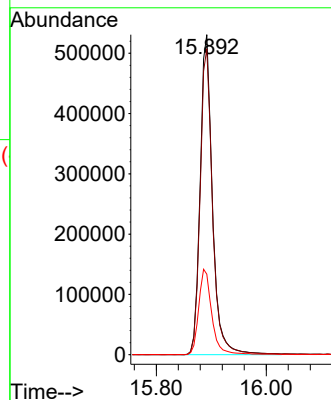
Tgt Ion:330 Resp: 828289

Ion Ratio Lower Upper

330 100

332 96.5 77.3 115.9

141 28.5 22.5 33.7



#45

2-Fluorobiphenyl

Concen: 46.172 ng

RT: 13.010 min Scan# 1704

Delta R.T. -0.024 min

Lab File: BM050116.D

Acq: 06 May 2025 12:44

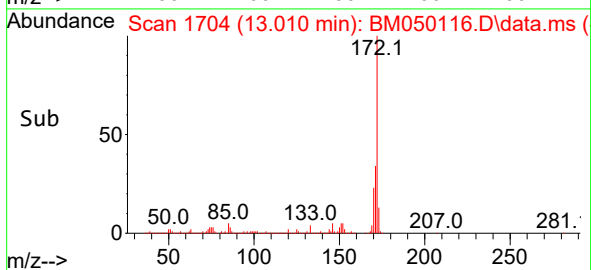
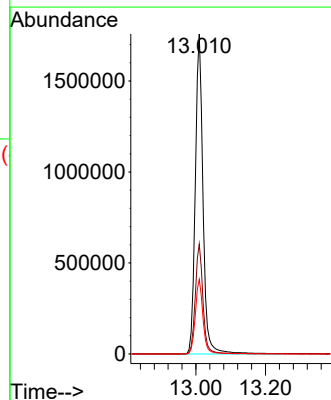
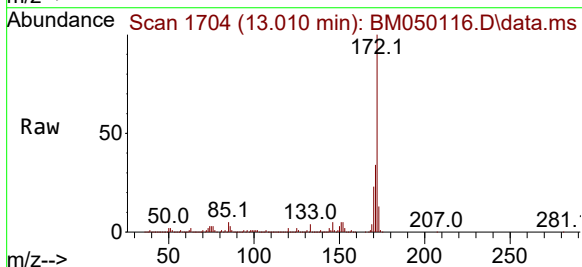
Tgt Ion:172 Resp: 2718769

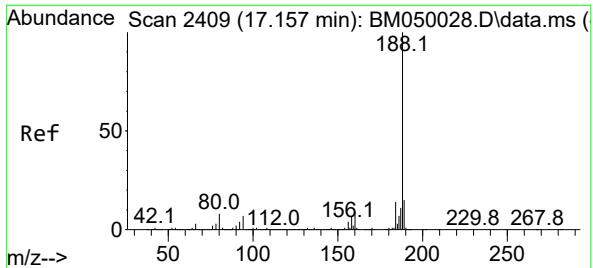
Ion Ratio Lower Upper

172 100

171 34.4 27.8 41.6

170 23.3 18.6 28.0

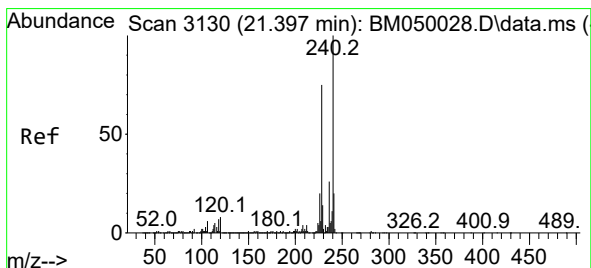
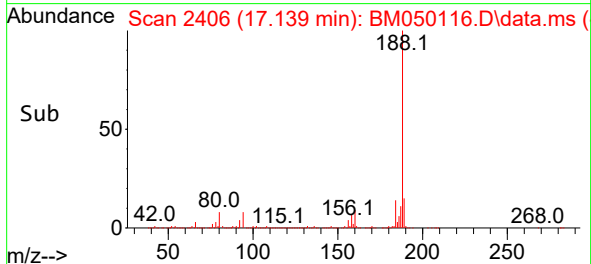
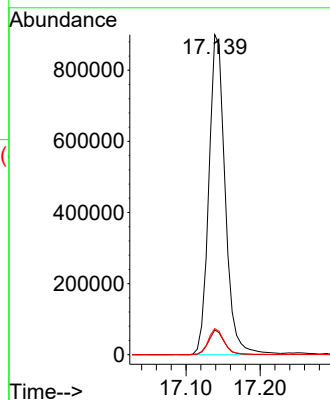
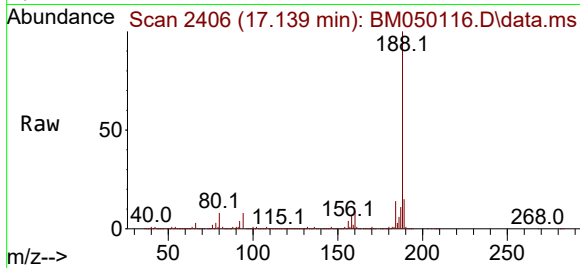




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.139 min Scan# 2409
Delta R.T. -0.018 min
Lab File: BM050116.D
Acq: 06 May 2025 12:44

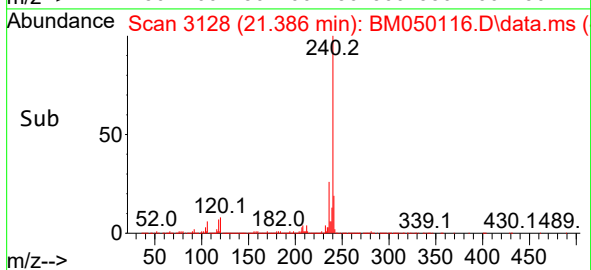
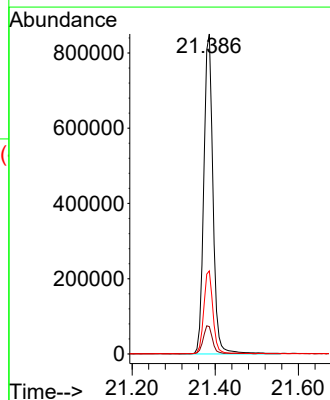
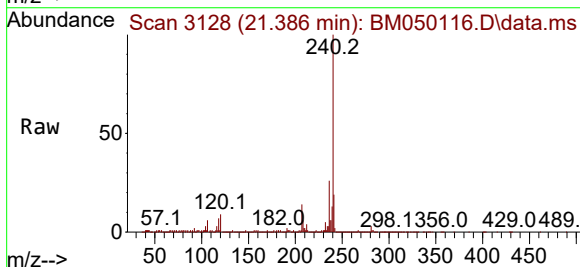
Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-D

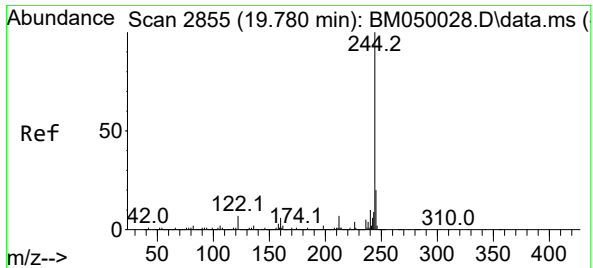
Tgt Ion:188 Resp: 1376380
Ion Ratio Lower Upper
188 100
94 7.7 5.7 8.5
80 8.2 6.2 9.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.386 min Scan# 3128
Delta R.T. -0.011 min
Lab File: BM050116.D
Acq: 06 May 2025 12:44

Tgt Ion:240 Resp: 1301506
Ion Ratio Lower Upper
240 100
120 8.6 6.5 9.7
236 25.9 20.9 31.3

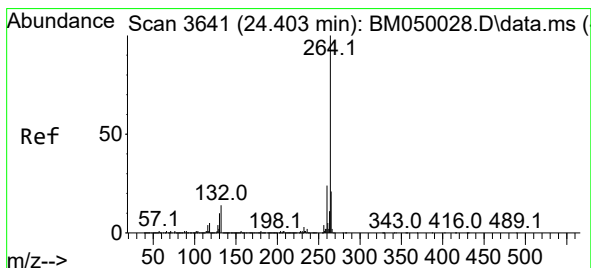
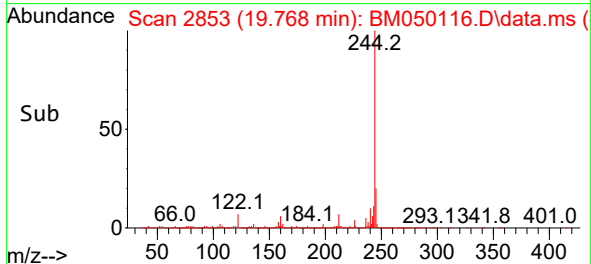
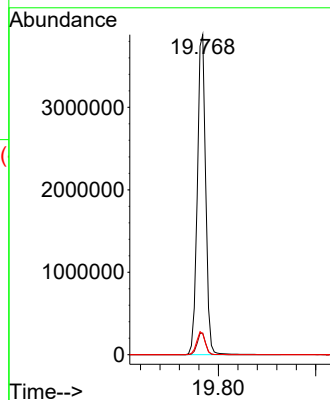
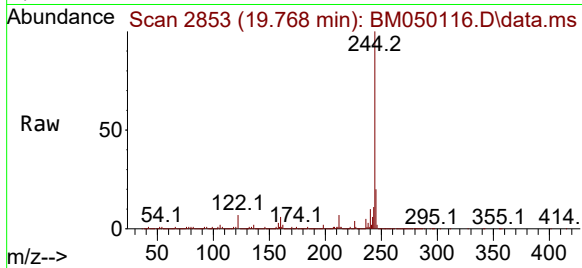




#79
Terphenyl-d14
Concen: 52.795 ng
RT: 19.768 min Scan# 2853
Delta R.T. -0.012 min
Lab File: BM050116.D
Acq: 06 May 2025 12:44

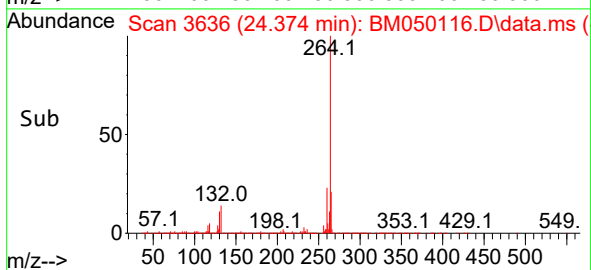
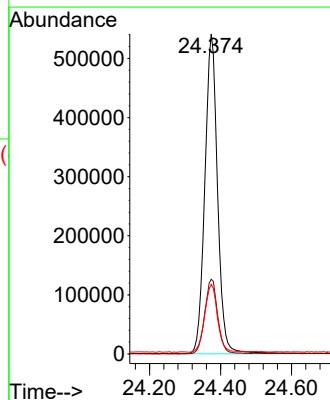
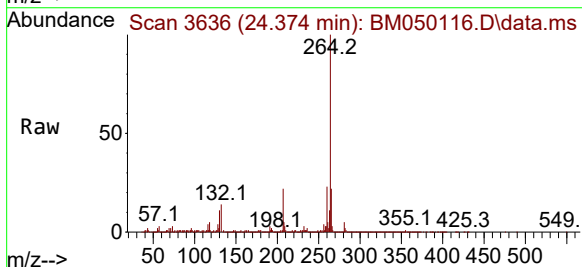
Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-D

Tgt Ion:244 Resp: 4643550
Ion Ratio Lower Upper
244 100
212 6.8 5.6 8.4
122 6.5 5.6 8.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.374 min Scan# 3636
Delta R.T. -0.030 min
Lab File: BM050116.D
Acq: 06 May 2025 12:44

Tgt Ion:264 Resp: 1342832
Ion Ratio Lower Upper
264 100
260 23.3 18.8 28.2
265 21.7 17.0 25.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
 Data File : BM050116.D
 Acq On : 06 May 2025 12:44
 Operator : RC/JU
 Sample : Q1938-07
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOWER-WALL-PILE-D

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM050116.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.869	314	320	332	rBV	248155	379799	3.31%	0.662%
2	5.340	393	400	422	rBV	2586303	4211485	36.71%	7.345%
3	6.934	664	671	694	rBV	2252753	4317278	37.63%	7.530%
4	7.739	802	808	819	rBV	928442	1528379	13.32%	2.666%
5	8.904	998	1006	1035	rBV	1402400	2766016	24.11%	4.824%
6	10.539	1276	1284	1301	rBV	1020629	2009253	17.51%	3.504%
7	13.010	1696	1704	1728	rBV	4649432	7261684	63.30%	12.665%
8	14.392	1932	1939	1957	rBV	1708031	2812927	24.52%	4.906%
9	15.751	2164	2170	2184	rBV	541717	854736	7.45%	1.491%
10	15.886	2187	2193	2215	rBV	3450134	5730034	49.95%	9.994%
11	17.139	2400	2406	2420	rBV2	2089489	3299411	28.76%	5.754%
12	18.039	2554	2559	2580	rBV	1173423	2222580	19.37%	3.876%
13	19.203	2754	2757	2764	rVB	88557	129897	1.13%	0.227%
14	19.321	2772	2777	2789	rBV	252357	548159	4.78%	0.956%
15	19.574	2817	2820	2828	rVB	103154	152171	1.33%	0.265%
16	19.768	2847	2853	2864	rBV	9404675	11471782	100.00%	20.008%
17	21.056	3068	3072	3084	rVB	445316	703621	6.13%	1.227%
18	21.386	3122	3128	3141	rBV	2202421	3466347	30.22%	6.046%
19	24.374	3629	3636	3649	rVB	1412691	3470948	30.26%	6.054%

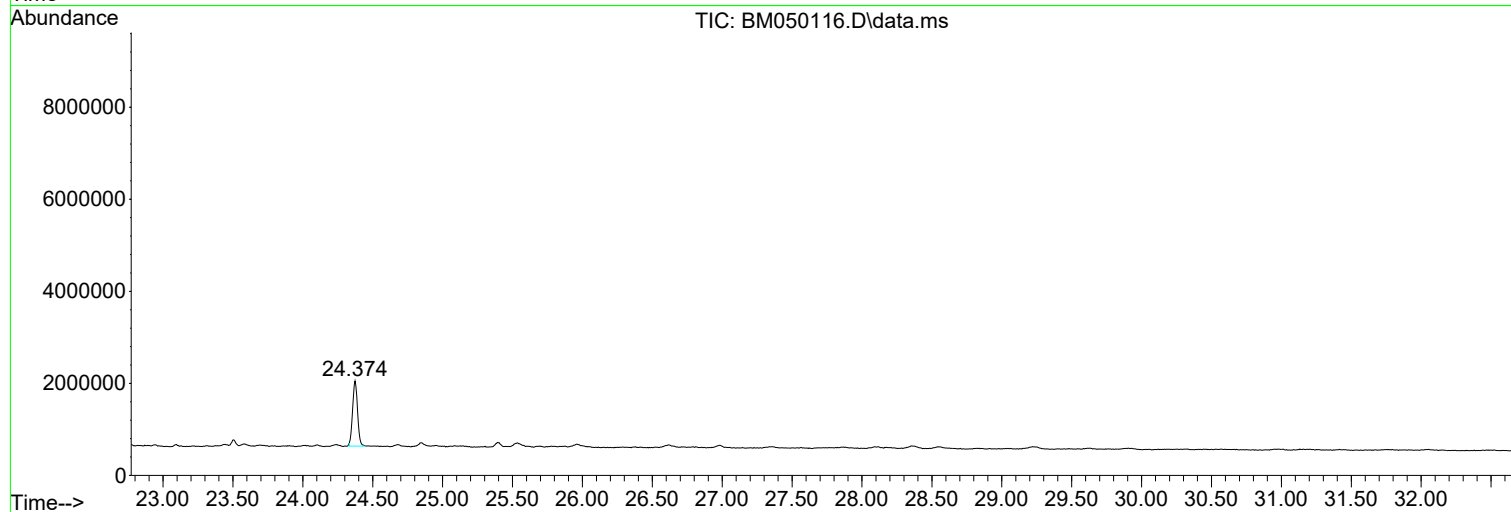
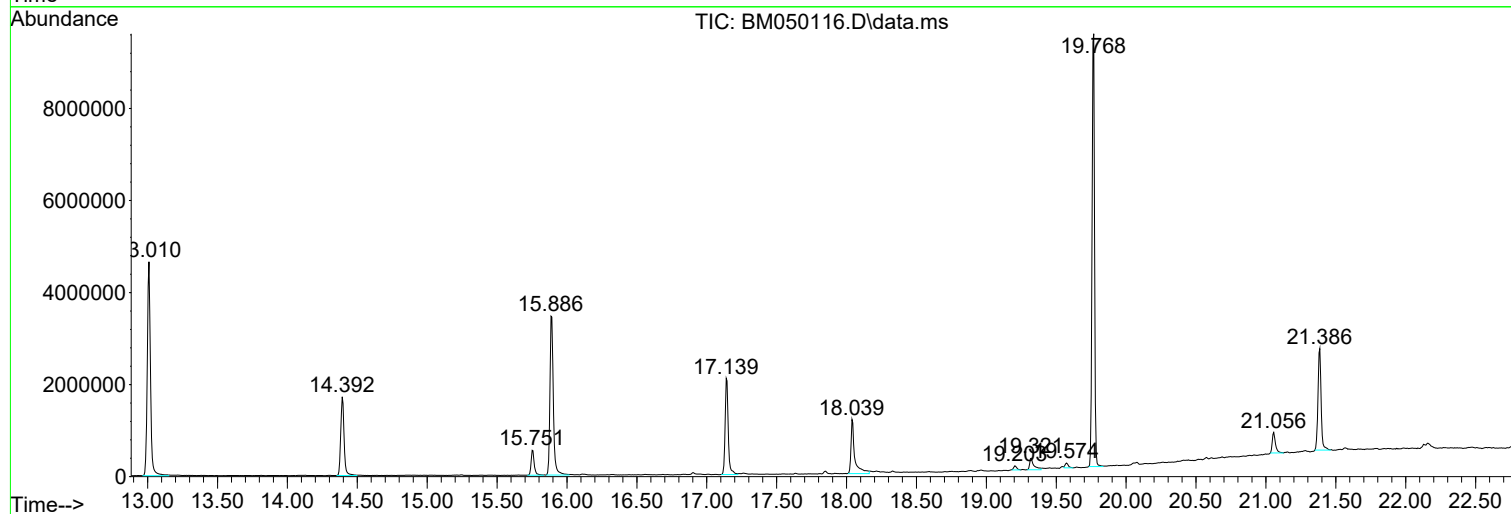
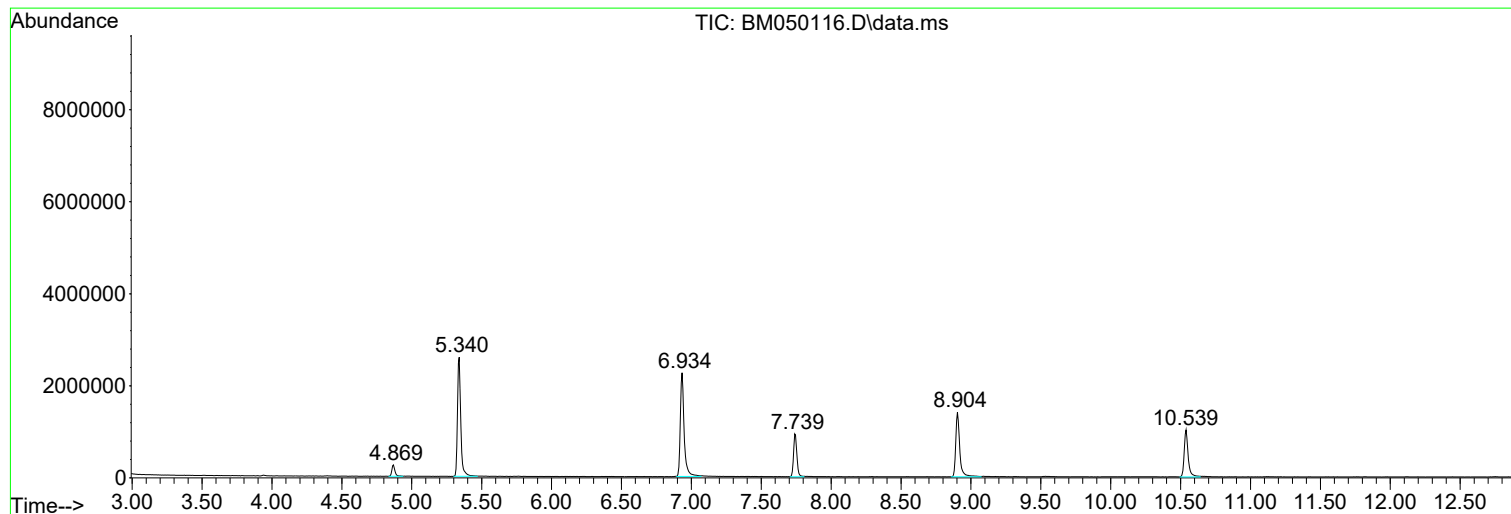
Sum of corrected areas: 57336507

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
Data File : BM050116.D
Acq On : 06 May 2025 12:44
Operator : RC/JU
Sample : Q1938-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-D

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
Data File : BM050116.D
Acq On : 06 May 2025 12:44
Operator : RC/JU
Sample : Q1938-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-D

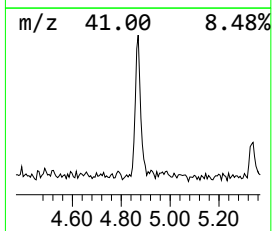
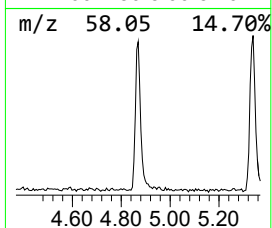
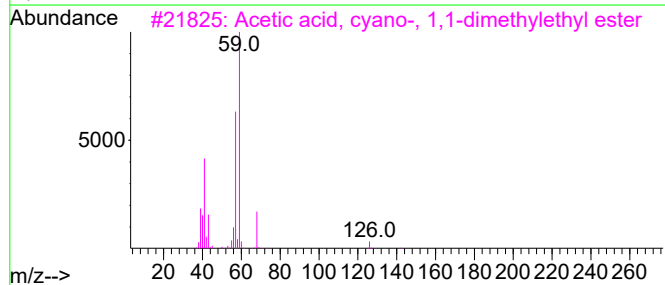
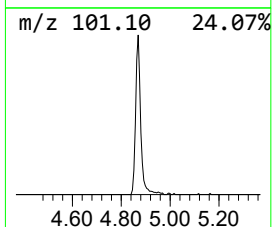
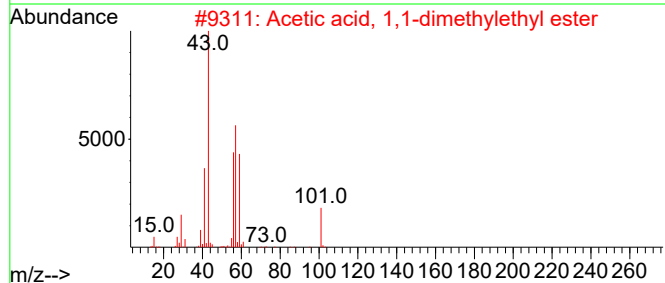
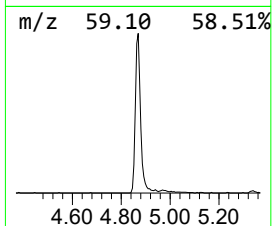
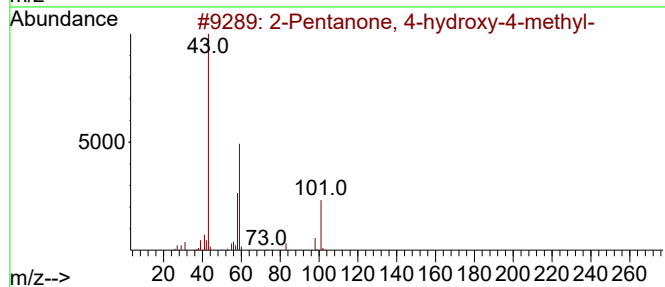
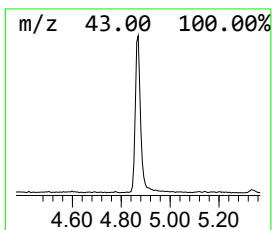
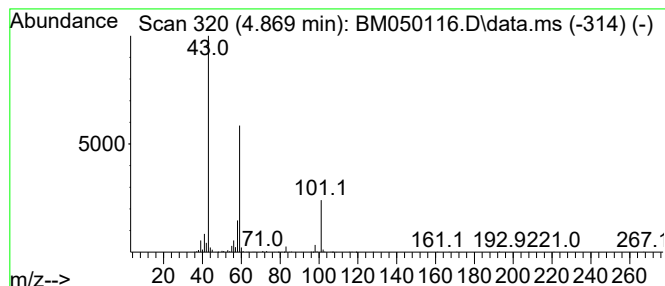
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.869	4.97 ng	379799	1,4-Dichlorobenzene-d4	7.739

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56		
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39		
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32		
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25		
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10		



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
Data File : BM050116.D
Acq On : 06 May 2025 12:44
Operator : RC/JU
Sample : Q1938-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-D

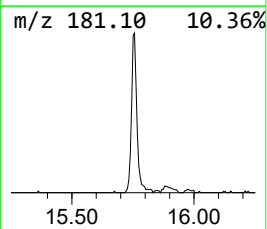
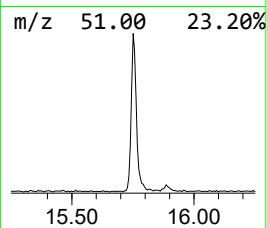
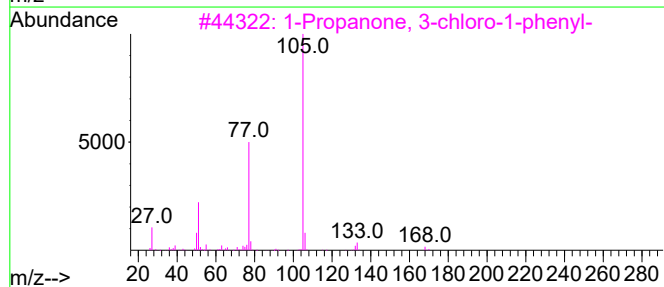
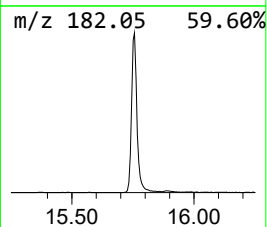
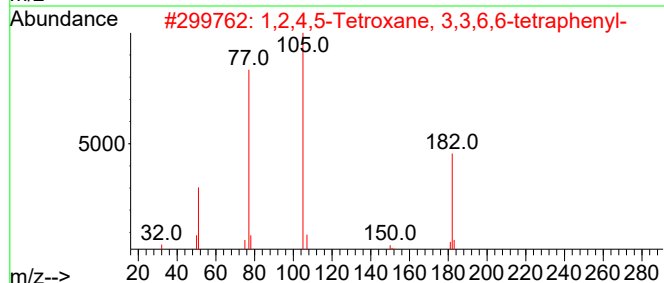
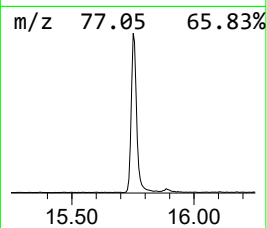
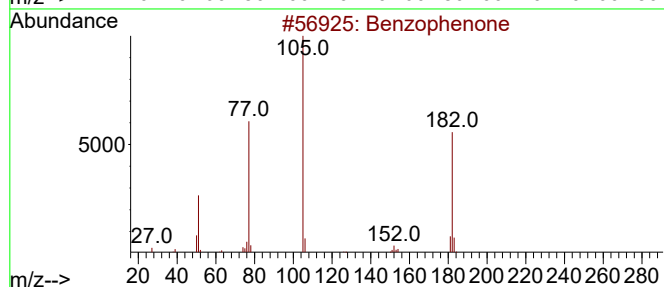
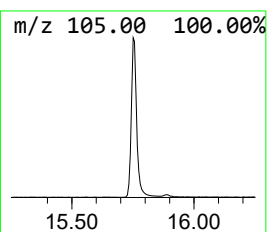
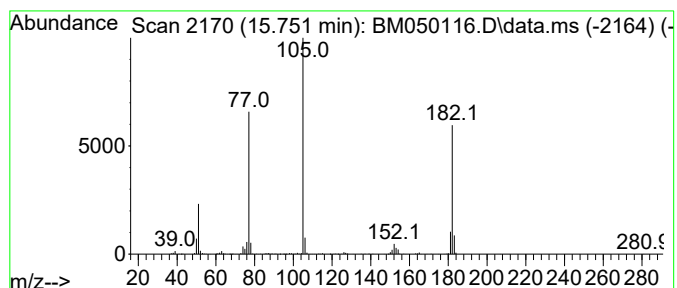
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.751	6.08 ng	854736	Acenaphthene-d10	14.392

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	96
2			1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	78
3			1-Propanone, 3-chloro-1-phenyl-	168	C9H9ClO	000936-59-4	47
4			5-Oxo-5-phenylpentanenitrile	173	C11H11NO	1000486-83-7	47
5			Vinyl benzoate	148	C9H8O2	000769-78-8	47



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
Data File : BM050116.D
Acq On : 06 May 2025 12:44
Operator : RC/JU
Sample : Q1938-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-D

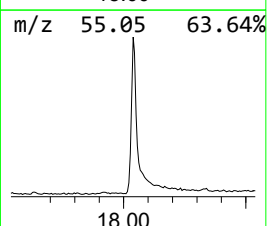
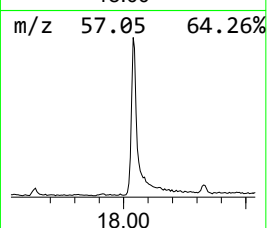
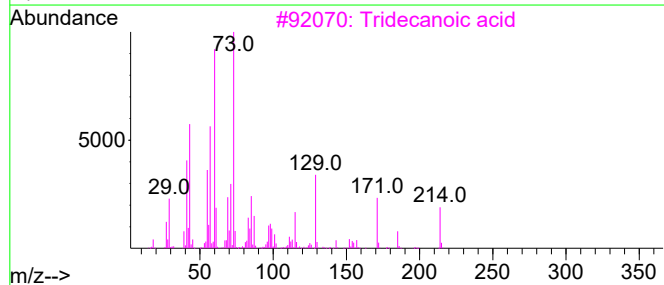
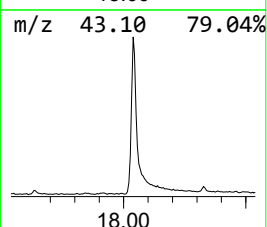
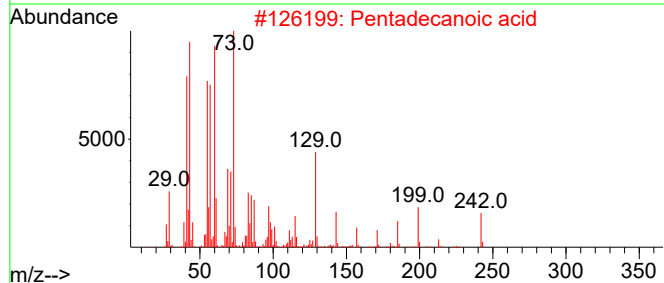
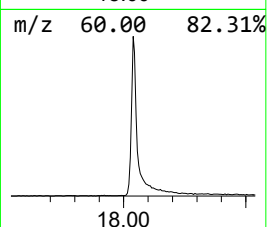
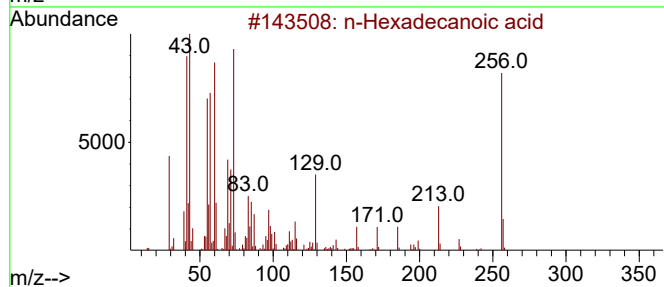
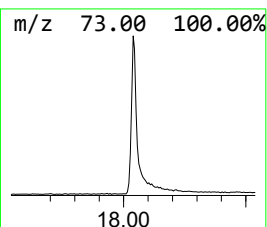
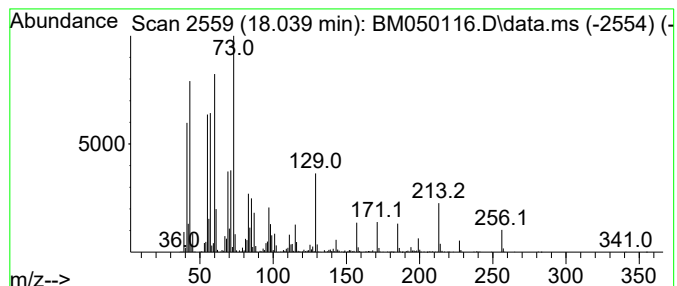
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 n-Hexadecanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.039	13.47 ng	2222580	Phenanthrene-d10	17.139

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	91
3			Tridecanoic acid	214	C13H26O2	000638-53-9	89
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	89
5			Dodecanoic acid	200	C12H24O2	000143-07-7	52



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
Data File : BM050116.D
Acq On : 06 May 2025 12:44
Operator : RC/JU
Sample : Q1938-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-D

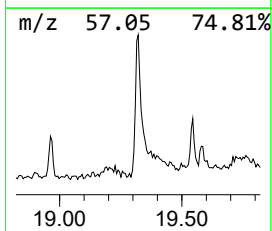
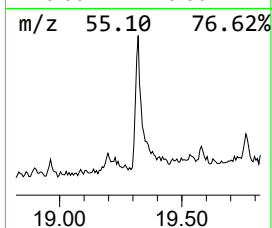
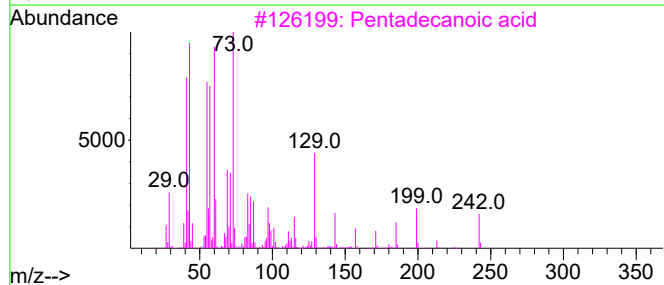
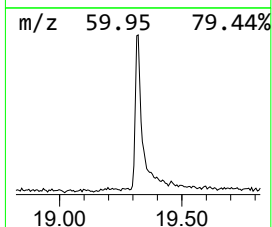
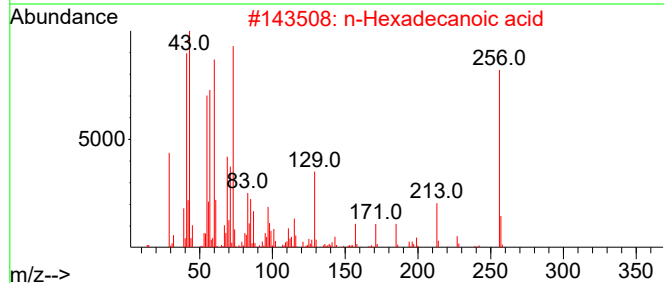
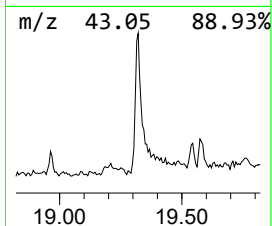
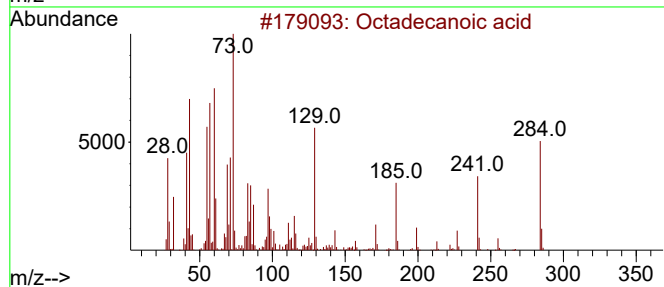
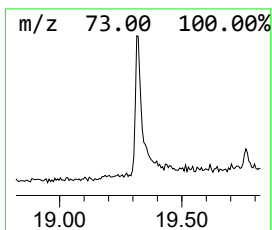
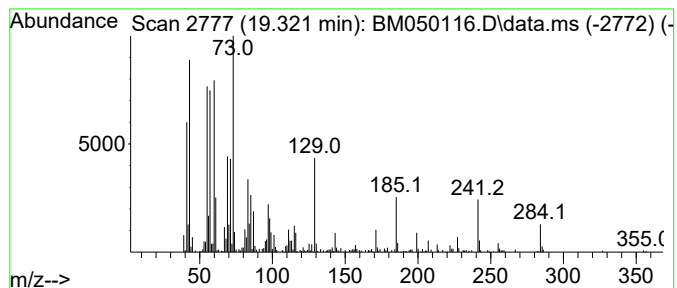
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Octadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.321	3.16 ng	548159	Chrysene-d12	21.386

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octadecanoic acid	284	C18H36O2	000057-11-4	99
2			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	91
4			Tetradecanoic acid	228	C14H28O2	000544-63-8	83
5			Tridecanoic acid	214	C13H26O2	000638-53-9	70



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
Data File : BM050116.D
Acq On : 06 May 2025 12:44
Operator : RC/JU
Sample : Q1938-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-D

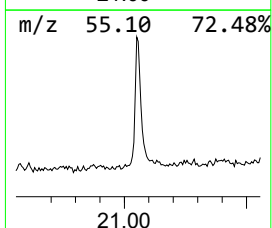
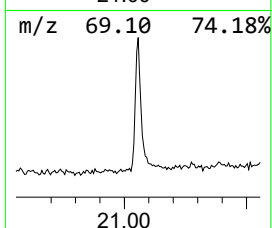
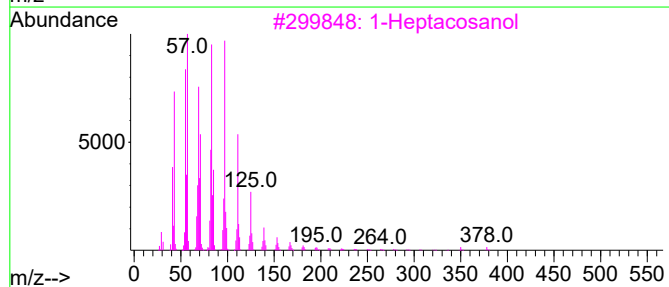
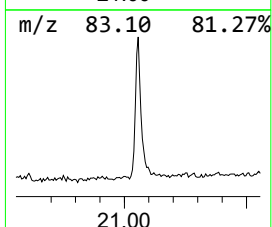
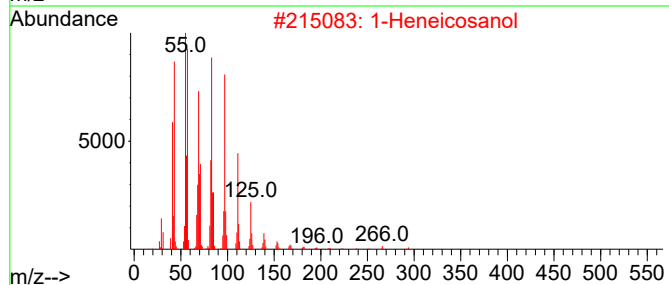
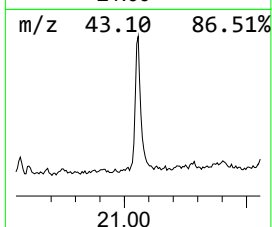
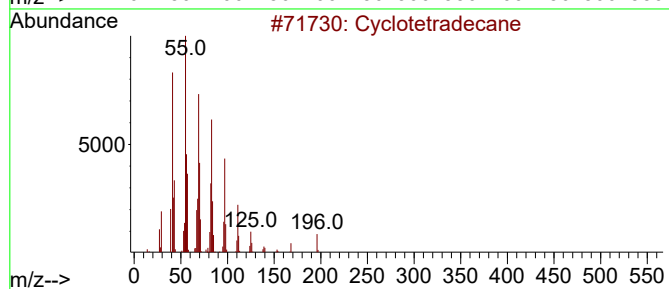
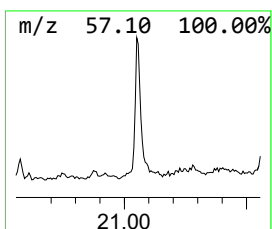
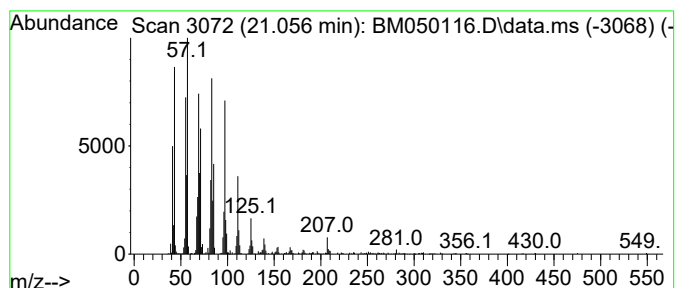
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Cyclotetradecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.056	4.06 ng	703621	Chrysene-d12	21.386

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclotetradecane	196	C14H28	000295-17-0	93
2			1-Heneicosanol	312	C21H44O	015594-90-8	93
3			1-Heptacosanol	396	C27H56O	002004-39-9	93
4			Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	91
5			n-Tetracosanol-1	354	C24H50O	000506-51-4	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
Data File : BM050116.D
Acq On : 06 May 2025 12:44
Operator : RC/JU
Sample : Q1938-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LOWER-WALL-PILE-D

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-...	4.869	5.0	ng	379799	1	7.739	1528380	20.0
Benzophenone	15.751	6.1	ng	854736	3	14.392	2812930	20.0
n-Hexadecanoic ...	18.039	13.5	ng	2222580	4	17.139	3299410	20.0
Octadecanoic acid	19.321	3.2	ng	548159	5	21.386	3466350	20.0
Cyclotetradecane	21.056	4.1	ng	703621	5	21.386	3466350	20.0



CALIBRATION SUMMARY

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: SAXT01
 Lab Code: CHEM Case No.: Q1938 SAS No.: Q1938 SDG No.: Q1938
 Instrument ID: BNA_M Calibration Date(s): 04/28/2025 04/28/2025
 Calibration Time(s): 12:30 17:04

LAB FILE ID:		RRF2.5 = BM050024.D			RRF005 = BM050025.D		RRF010 = BM050026.D	
		RRF020 = BM050027.D			RRF040 = BM050028.D		RRF050 = BM050029.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.074	1.079	1.107	1.208	1.211	1.142	5.0
Benzaldehyde		0.940	0.920	0.971	1.031	1.013	0.961	5.1
Phenol-d6		1.290	1.318	1.398	1.543	1.537	1.436	7.1
Phenol		1.349	1.344	1.420	1.539	1.537	1.453	5.7
bis(2-Chloroethyl) ether		1.213	1.105	1.176	1.279	1.271	1.214	4.9
2-Chlorophenol		1.169	1.161	1.198	1.312	1.301	1.235	5.0
2-Methylphenol		0.857	0.893	0.931	1.033	1.026	0.957	7.0
2,2-oxybis(1-Chloropropane)		1.487	1.422	1.445	1.552	1.513	1.475	3.2
Acetophenone		0.483	0.464	0.485	0.531	0.525	0.497	4.9
3+4-Methylphenols		1.137	1.170	1.267	1.393	1.392	1.293	8.1
n-Nitroso-di-n-propylamine	0.802	0.889	0.885	0.921	1.003	0.988	0.921	7.0
Nitrobenzene-d5		0.386	0.374	0.397	0.434	0.433	0.406	5.7
Hexachloroethane		0.552	0.508	0.521	0.556	0.548	0.533	3.8
Nitrobenzene		0.337	0.325	0.345	0.374	0.372	0.351	5.2
Isophorone		0.666	0.648	0.680	0.729	0.729	0.692	4.4
2-Nitrophenol		0.148	0.157	0.172	0.196	0.198	0.179	11.3
2,4-Dimethylphenol		0.263	0.266	0.289	0.324	0.322	0.297	8.4
bis(2-Chloroethoxy) methane		0.407	0.399	0.422	0.455	0.452	0.428	4.9
2,4-Dichlorophenol		0.294	0.298	0.326	0.362	0.359	0.333	8.5
Naphthalene		1.001	0.959	0.993	1.066	1.057	1.013	3.8
4-Chloroaniline		0.361	0.393	0.404	0.441	0.448	0.415	7.5
Hexachlorobutadiene		0.253	0.240	0.249	0.270	0.270	0.258	4.3
Caprolactam		0.090	0.085	0.095	0.104	0.104	0.097	7.7
4-Chloro-3-methylphenol		0.289	0.283	0.302	0.325	0.329	0.308	5.7
2-Methylnaphthalene		0.656	0.639	0.662	0.713	0.714	0.679	4.2
Hexachlorocyclopentadiene			0.303	0.362	0.455	0.468	0.423	17.3
2,4,6-Trichlorophenol		0.372	0.381	0.423	0.476	0.485	0.439	10.8
2-Fluorobiphenyl		1.588	1.555	1.632	1.807	1.822	1.691	6.2
2,4,5-Trichlorophenol		0.410	0.417	0.453	0.517	0.519	0.474	9.8
1,1-Biphenyl		1.427	1.395	1.452	1.573	1.581	1.487	4.8
2-Chloronaphthalene		1.126	1.112	1.155	1.250	1.248	1.177	4.7
2-Nitroaniline		0.238	0.242	0.269	0.302	0.304	0.276	10.0
Dimethylphthalate		1.444	1.377	1.437	1.532	1.543	1.462	4.0
Acenaphthylene		1.794	1.715	1.810	1.972	1.971	1.857	5.1

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



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: SAXT01
 Lab Code: CHEM Case No.: Q1938 SAS No.: Q1938 SDG No.: Q1938
 Instrument ID: BNA_M Calibration Date(s): 04/28/2025 04/28/2025
 Calibration Time(s): 12:30 17:04

LAB FILE ID:		RRF2.5 = BM050024.D			RRF005 = BM050025.D		RRF010 = BM050026.D	
		RRF020 = BM050027.D			RRF040 = BM050028.D		RRF050 = BM050029.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2,6-Dinitrotoluene		0.266	0.271	0.299	0.327	0.331	0.303	8.5
3-Nitroaniline		0.233	0.247	0.284	0.321	0.325	0.289	12.5
Acenaphthene		1.038	0.998	1.046	1.133	1.145	1.075	4.9
2,4-Dinitrophenol			0.100	0.132	0.178	0.194	0.164	23.6
4-Nitrophenol			0.128	0.180	0.224	0.237	0.205	21.0
Dibenzofuran		1.749	1.681	1.749	1.876	1.888	1.788	4.2
2,4-Dinitrotoluene		0.338	0.366	0.412	0.456	0.468	0.418	11.7
Diethylphthalate		1.372	1.301	1.380	1.433	1.451	1.377	3.9
4-Chlorophenyl-phenylether		0.741	0.716	0.770	0.857	0.871	0.804	7.6
Fluorene		1.387	1.343	1.431	1.558	1.573	1.463	5.8
4-Nitroaniline		0.208	0.234	0.277	0.313	0.321	0.279	15.2
4,6-Dinitro-2-methylphenol			0.088	0.110	0.135	0.142	0.125	17.2
n-Nitrosodiphenylamine		0.580	0.572	0.596	0.655	0.657	0.614	5.6
2,4,6-Tribromophenol		0.253	0.249	0.281	0.318	0.329	0.296	11.6
4-Bromophenyl-phenylether		0.223	0.216	0.229	0.258	0.258	0.242	7.6
Hexachlorobenzene		0.265	0.251	0.264	0.294	0.295	0.279	6.5
Atrazine		0.196	0.198	0.214	0.236	0.242	0.222	8.5
Pentachlorophenol			0.117	0.141	0.167	0.172	0.157	14.5
Phenanthrene		1.075	1.035	1.083	1.187	1.212	1.128	5.8
Anthracene		1.062	1.038	1.096	1.214	1.236	1.142	6.8
Carbazole		0.909	0.900	0.960	1.054	1.075	0.991	7.1
Di-n-butylphthalate		1.106	1.082	1.151	1.246	1.277	1.180	6.2
Fluoranthene		1.178	1.142	1.250	1.410	1.455	1.324	9.9
Pyrene		1.290	1.255	1.332	1.518	1.520	1.404	7.8
Terphenyl-d14		1.176	1.189	1.332	1.524	1.541	1.352	11.6
Butylbenzylphthalate		0.489	0.479	0.515	0.562	0.568	0.526	6.5
3,3-Dichlorobenzidine		0.434	0.432	0.483	0.580	0.597	0.527	14.1
Benzo (a) anthracene		1.280	1.231	1.321	1.478	1.479	1.377	7.2
Chrysene		1.208	1.170	1.214	1.342	1.369	1.275	6.0
Bis (2-ethylhexyl) phthalate		0.726	0.725	0.775	0.843	0.852	0.786	6.6
Di-n-octyl phthalate		1.221	1.197	1.267	1.366	1.404	1.296	5.9
Benzo (b) fluoranthene		1.128	1.149	1.209	1.406	1.415	1.301	10.2
Benzo (k) fluoranthene		1.219	1.150	1.251	1.387	1.449	1.316	8.3
Benzo (a) pyrene		1.094	1.066	1.147	1.295	1.330	1.218	9.2
Indeno (1,2,3-cd) pyrene		1.301	1.293	1.404	1.602	1.646	1.490	10.3

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



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: SAXT01
 Lab Code: CHEM Case No.: Q1938 SAS No.: Q1938 SDG No.: Q1938
 Instrument ID: BNA_M Calibration Date(s): 04/28/2025 04/28/2025
 Calibration Time(s): 12:30 17:04

LAB FILE ID:		RRF2.5 = BM050024.D			RRF005 = BM050025.D		RRF010 = BM050026.D	
		RRF020 = BM050027.D			RRF040 = BM050028.D		RRF050 = BM050029.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Dibenzo(a,h)anthracene		1.056	1.044	1.142	1.300	1.347	1.215	10.7
Benzo(g,h,i)perylene		1.066	1.030	1.105	1.236	1.268	1.163	8.1
1,2,4,5-Tetrachlorobenzene		0.624	0.622	0.655	0.742	0.745	0.692	8.2
1,4-Dioxane		0.506	0.464	0.478	0.511	0.504	0.490	3.8
2,3,4,6-Tetrachlorophenol		0.366	0.362	0.398	0.435	0.445	0.410	8.4

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
 Method File : 8270-BM042825.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Mon Apr 28 18:09:16 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BM050024.D 5 =BM050025.D 10 =BM050026.D 20 =BM050027.D 40 =BM050028.D 50 =BM050029.D 60 =BM050030.D 80 =BM050031.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.506	0.464	0.478	0.511	0.504	0.491	0.473	0.490		3.75
3)	Pyridine	1.201	1.166	1.229	1.331	1.328	1.292	1.261	1.258		5.03
4)	n-Nitrosodimet...	0.487	0.459	0.475	0.522	0.518	0.504	0.490	0.493		4.62
5) S	2-Fluorophenol	1.074	1.079	1.107	1.208	1.211	1.173	1.142	1.142		5.04
6)	Aniline	1.657	1.689	1.768	1.942	1.922	1.875	1.835	1.813		6.16
7) S	Phenol-d6	1.290	1.318	1.398	1.543	1.537	1.494	1.469	1.436		7.13
8)	2-Chlorophenol	1.169	1.161	1.198	1.312	1.301	1.268	1.235	1.235		4.96
9)	Benzaldehyde	0.940	0.920	0.971	1.031	1.013	0.956	0.894	0.961		5.08
10) C	Phenol	1.349	1.344	1.420	1.539	1.537	1.501	1.483	1.453		5.73
11)	bis(2-Chloroet...	1.213	1.105	1.176	1.279	1.271	1.233	1.218	1.213		4.90
12)	1,3-Dichlorobe...	1.483	1.428	1.453	1.566	1.552	1.508	1.453	1.492		3.51
13) C	1,4-Dichlorobe...	1.518	1.418	1.463	1.561	1.557	1.516	1.458	1.499		3.60
14)	1,2-Dichlorobe...	1.420	1.393	1.423	1.522	1.506	1.464	1.405	1.448		3.50
15)	Benzyl Alcohol	0.866	0.881	0.966	1.080	1.074	1.050	1.050	0.996		9.16
16)	2,2'-oxybis(1-...	1.487	1.422	1.445	1.552	1.513	1.473	1.433	1.475		3.17
17)	2-Methylphenol	0.857	0.893	0.931	1.033	1.026	0.988	0.975	0.957		6.96
18)	Hexachloroethane	0.552	0.508	0.521	0.556	0.548	0.533	0.510	0.533		3.79
19) P	n-Nitroso-di-n...	0.802	0.889	0.885	0.921	1.003	0.988	0.949	0.928	0.921	6.95
20)	3+4-Methylphenols	1.137	1.170	1.267	1.393	1.392	1.349	1.341	1.293		8.09
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.483	0.464	0.485	0.531	0.525	0.506	0.487	0.497		4.94
23) S	Nitrobenzene-d5	0.386	0.374	0.397	0.434	0.433	0.417	0.400	0.406		5.68
24)	Nitrobenzene	0.337	0.325	0.345	0.374	0.372	0.358	0.346	0.351		5.16
25)	Isophorone	0.666	0.648	0.680	0.729	0.729	0.704	0.687	0.692		4.44
26) C	2-Nitrophenol	0.148	0.157	0.172	0.196	0.198	0.192	0.191	0.179		11.33
27)	2,4-Dimethylph...	0.263	0.266	0.289	0.324	0.322	0.312	0.305	0.297		8.42
28)	bis(2-Chloroet...	0.407	0.399	0.422	0.455	0.452	0.434	0.425	0.428		4.92
29) C	2,4-Dichloroph...	0.294	0.298	0.326	0.362	0.359	0.351	0.342	0.333		8.47
30)	1,2,4-Trichlor...	0.400	0.384	0.394	0.427	0.426	0.412	0.399	0.406		4.02
31)	Naphthalene	1.001	0.959	0.993	1.066	1.057	1.023	0.989	1.013		3.80
32)	Benzoic acid		0.138	0.172	0.197	0.206	0.212	0.215	0.190		15.67
33)	4-Chloroaniline	0.361	0.393	0.404	0.441	0.448	0.437	0.423	0.415		7.51
34) C	Hexachlorobuta...	0.253	0.240	0.249	0.270	0.270	0.263	0.258	0.258		4.34
35)	Caprolactam	0.090	0.085	0.095	0.104	0.104	0.102	0.100	0.097		7.73
36) C	4-Chloro-3-met...	0.289	0.283	0.302	0.325	0.329	0.317	0.309	0.308		5.72
37)	2-Methylnaphth...	0.656	0.639	0.662	0.713	0.714	0.692	0.678	0.679		4.22
38)	1-Methylnaphth...	0.703	0.675	0.708	0.753	0.751	0.731	0.710	0.719		3.92

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
 Method File : 8270-BM042825.M

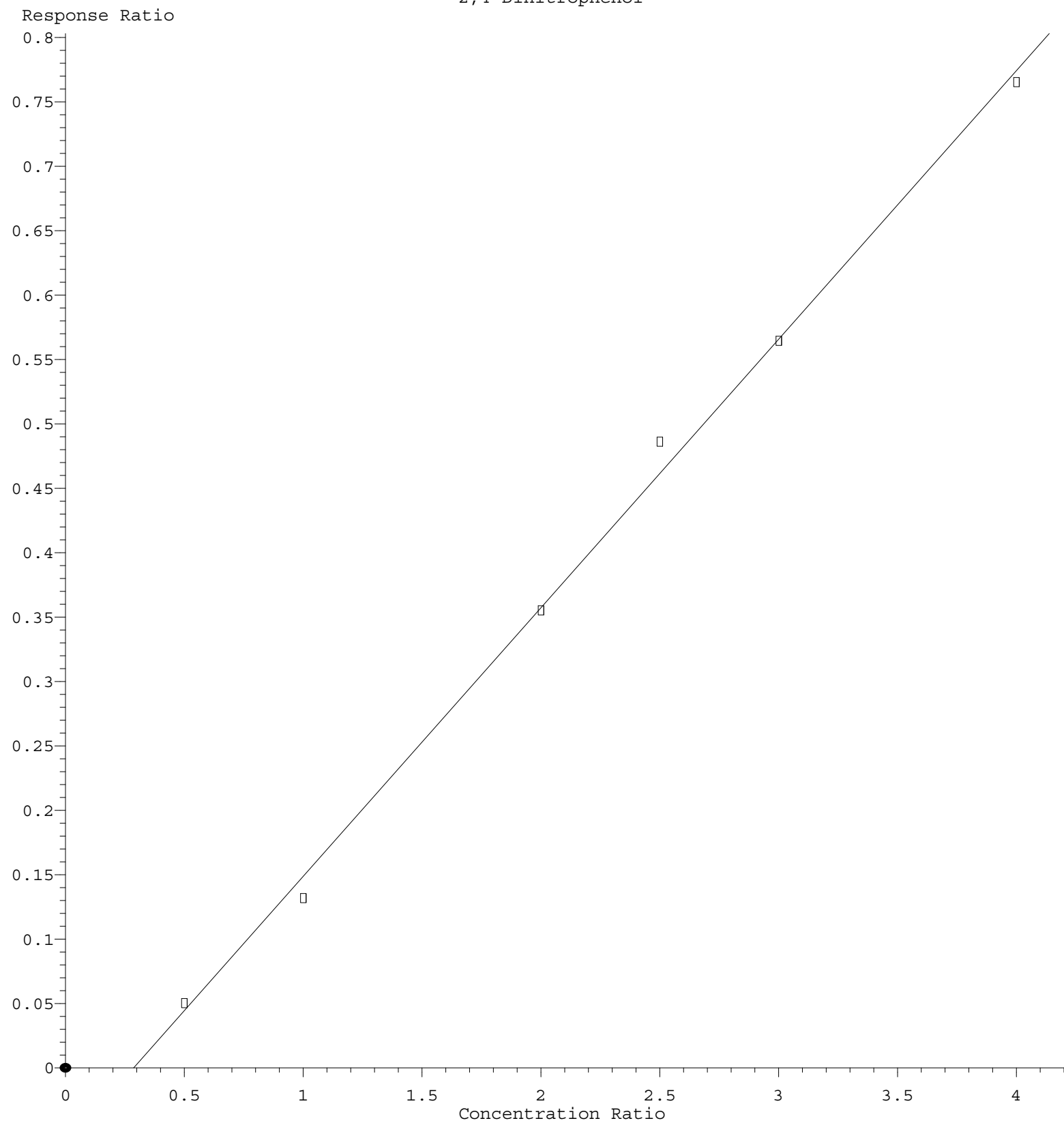
39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.624	0.622	0.655	0.742	0.745	0.725	0.733	0.692	8.17	
41) P	Hexachlorocycl...	0.303	0.362	0.455	0.468	0.467	0.483	0.423		17.30	
42) S	2,4,6-Tribromo...	0.253	0.249	0.281	0.318	0.329	0.318	0.323	0.296	11.61	
43) C	2,4,6-Trichlor...	0.372	0.381	0.423	0.476	0.485	0.467	0.469	0.439	10.76	
44)	2,4,5-Trichlor...	0.410	0.417	0.453	0.517	0.519	0.501	0.497	0.474	9.83	
45) S	2-Fluorobiphenyl	1.588	1.555	1.632	1.807	1.822	1.744	1.688	1.691	6.21	
46)	1,1'-Biphenyl	1.427	1.395	1.452	1.573	1.581	1.507	1.473	1.487	4.77	
47)	2-Chloronaphth...	1.126	1.112	1.155	1.250	1.248	1.192	1.158	1.177	4.69	
48)	2-Nitroaniline	0.238	0.242	0.269	0.302	0.304	0.294	0.286	0.276	9.96	
49)	Acenaphthylene	1.794	1.715	1.810	1.972	1.971	1.889	1.845	1.857	5.10	
50)	Dimethylphthalate	1.444	1.377	1.437	1.532	1.543	1.470	1.429	1.462	4.02	
51)	2,6-Dinitrotol...	0.266	0.271	0.299	0.327	0.331	0.316	0.309	0.303	8.50	
52) C	Acenaphthene	1.038	0.998	1.046	1.133	1.145	1.094	1.067	1.075	4.93	
53)	3-Nitroaniline	0.233	0.247	0.284	0.321	0.325	0.311	0.302	0.289	12.47	
54) P	2,4-Dinitrophenol	0.100	0.132	0.178	0.194	0.188	0.191	0.164		23.65	
55)	Dibenzofuran	1.749	1.681	1.749	1.876	1.888	1.810	1.763	1.788	4.17	
56) P	4-Nitrophenol	0.128	0.180	0.224	0.237	0.231	0.231	0.205		20.96	
57)	2,4-Dinitrotol...	0.338	0.366	0.412	0.456	0.468	0.447	0.440	0.418	11.72	
58)	Fluorene	1.387	1.343	1.431	1.558	1.573	1.500	1.453	1.463	5.84	
59)	2,3,4,6-Tetrac...	0.366	0.362	0.398	0.435	0.445	0.432	0.431	0.410	8.44	
60)	Diethylphthalate	1.372	1.301	1.380	1.433	1.451	1.376	1.328	1.377	3.86	
61)	4-Chlorophenyl...	0.741	0.716	0.770	0.857	0.871	0.836	0.836	0.804	7.58	
62)	4-Nitroaniline	0.208	0.234	0.277	0.313	0.321	0.301	0.295	0.279	15.17	
63)	Azobenzene	1.118	1.091	1.150	1.216	1.229	1.165	1.110	1.154	4.59	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...	0.088	0.110	0.135	0.142	0.138	0.137	0.125		17.16	
66) c	n-Nitrosodiphe...	0.580	0.572	0.596	0.655	0.657	0.629	0.610	0.614	5.56	
67)	4-Bromophenyl-...	0.223	0.216	0.229	0.258	0.258	0.256	0.253	0.242	7.60	
68)	Hexachlorobenzene	0.265	0.251	0.264	0.294	0.295	0.291	0.291	0.279	6.49	
69)	Atrazine	0.196	0.198	0.214	0.236	0.242	0.234	0.230	0.222	8.47	
70) C	Pentachlorophenol	0.117	0.141	0.167	0.172	0.170	0.174	0.157		14.52	
71)	Phenanthrene	1.075	1.035	1.083	1.187	1.212	1.173	1.132	1.128	5.84	
72)	Anthracene	1.062	1.038	1.096	1.214	1.236	1.191	1.154	1.142	6.78	
73)	Carbazole	0.909	0.900	0.960	1.054	1.075	1.038	0.999	0.991	7.05	
74)	Di-n-butylphth...	1.106	1.082	1.151	1.246	1.277	1.231	1.165	1.180	6.25	
75) C	Fluoranthene	1.178	1.142	1.250	1.410	1.455	1.425	1.411	1.324	9.86	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.560	0.646	0.772	0.769	0.765	0.751	0.710		12.36	
78)	Pyrene	1.290	1.255	1.332	1.518	1.520	1.465	1.453	1.404	7.83	
79) S	Terphenyl-d14	1.176	1.189	1.332	1.524	1.541	1.458	1.239	1.352	11.58	
80)	Butylbenzylpht...	0.489	0.479	0.515	0.562	0.568	0.545	0.524	0.526	6.53	
81)	Benzo(a)anthra...	1.280	1.231	1.321	1.478	1.479	1.442	1.408	1.377	7.24	
82)	3,3'-Dichlorob...	0.434	0.432	0.483	0.580	0.597	0.583	0.581	0.527	14.14	
83)	Chrysene	1.208	1.170	1.214	1.342	1.369	1.325	1.296	1.275	6.03	
84)	Bis(2-ethylhex...	0.726	0.725	0.775	0.843	0.852	0.814	0.765	0.786	6.61	
85) c	Di-n-octyl pht...	1.221	1.197	1.267	1.366	1.404	1.341	1.275	1.296	5.92	

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM042825.M

86) I	Perylene-d12	-----ISTD-----								
87)	Indeno(1,2,3-c...	1.301	1.293	1.404	1.602	1.646	1.591	1.595	1.490	10.27
88)	Benzo(b)fluora...	1.128	1.149	1.209	1.406	1.415	1.408	1.390	1.301	10.16
89)	Benzo(k)fluora...	1.219	1.150	1.251	1.387	1.449	1.383	1.372	1.316	8.29
90) C	Benzo(a)pyrene	1.094	1.066	1.147	1.295	1.330	1.298	1.297	1.218	9.15
91)	Dibenzo(a,h)an...	1.056	1.044	1.142	1.300	1.347	1.305	1.310	1.215	10.72
92)	Benzo(g,h,i)pe...	1.066	1.030	1.105	1.236	1.268	1.224	1.212	1.163	8.07

(#) = Out of Range

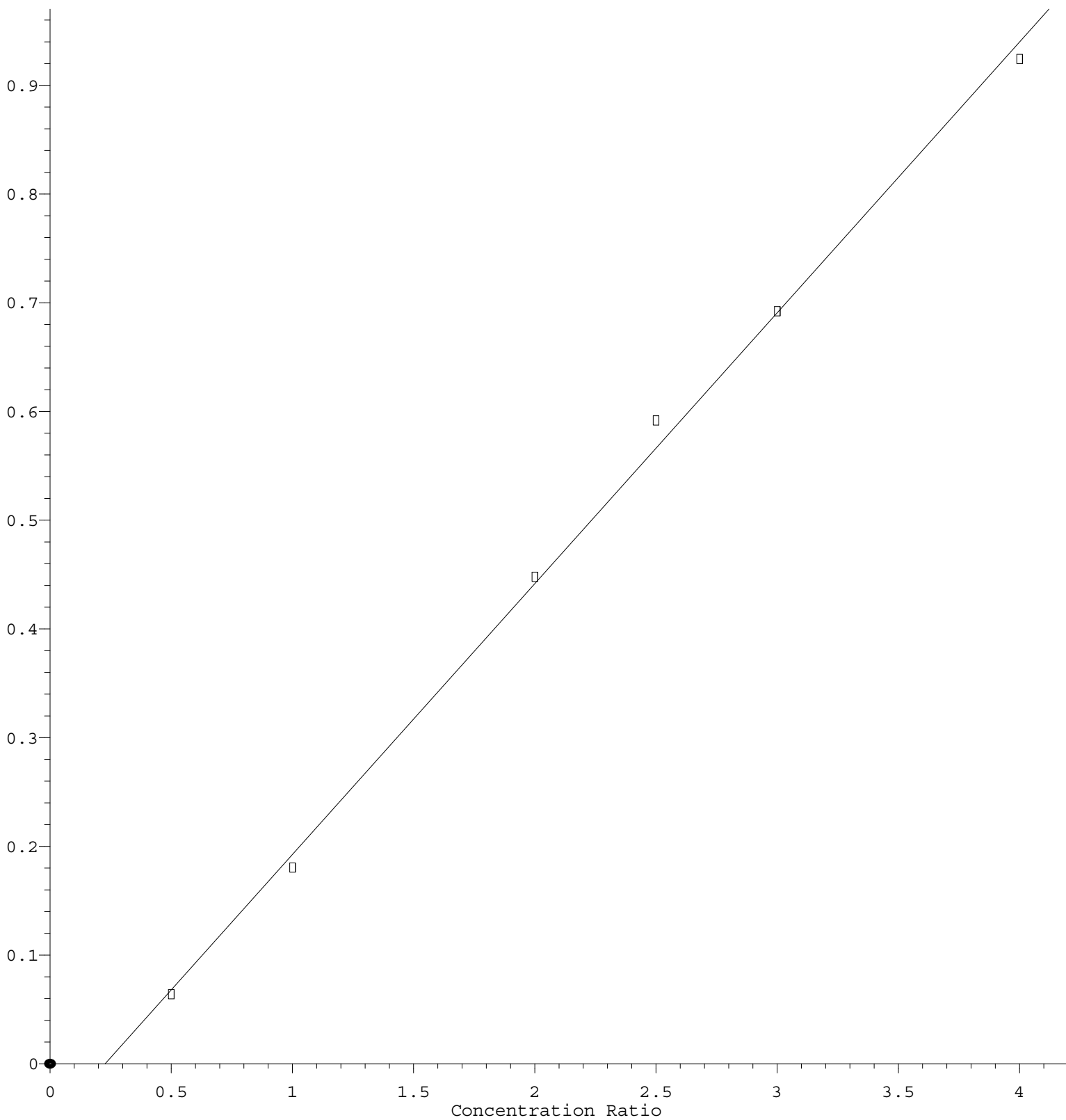
2,4-Dinitrophenol



Response = 2.086e-001 * Amt - 5.991e-002
 Coef of Det (r^2) = 0.997215 Curve Fit: Linear
 Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM042825.M
 Calibration Table Last Updated: Mon Apr 28 18:09:16 2025

4-Nitrophenol

Response Ratio



$$\text{Response} = 2.492\text{e-}001 * \text{Amt} - 5.648\text{e-}002$$

Coef of Det (r^2) = 0.997878 Curve Fit: Linear

Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM042825.M

Calibration Table Last Updated: Mon Apr 28 18:09:16 2025

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050024.D
Acq On : 28 Apr 2025 12:30
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Quant Time: Apr 28 17:52:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

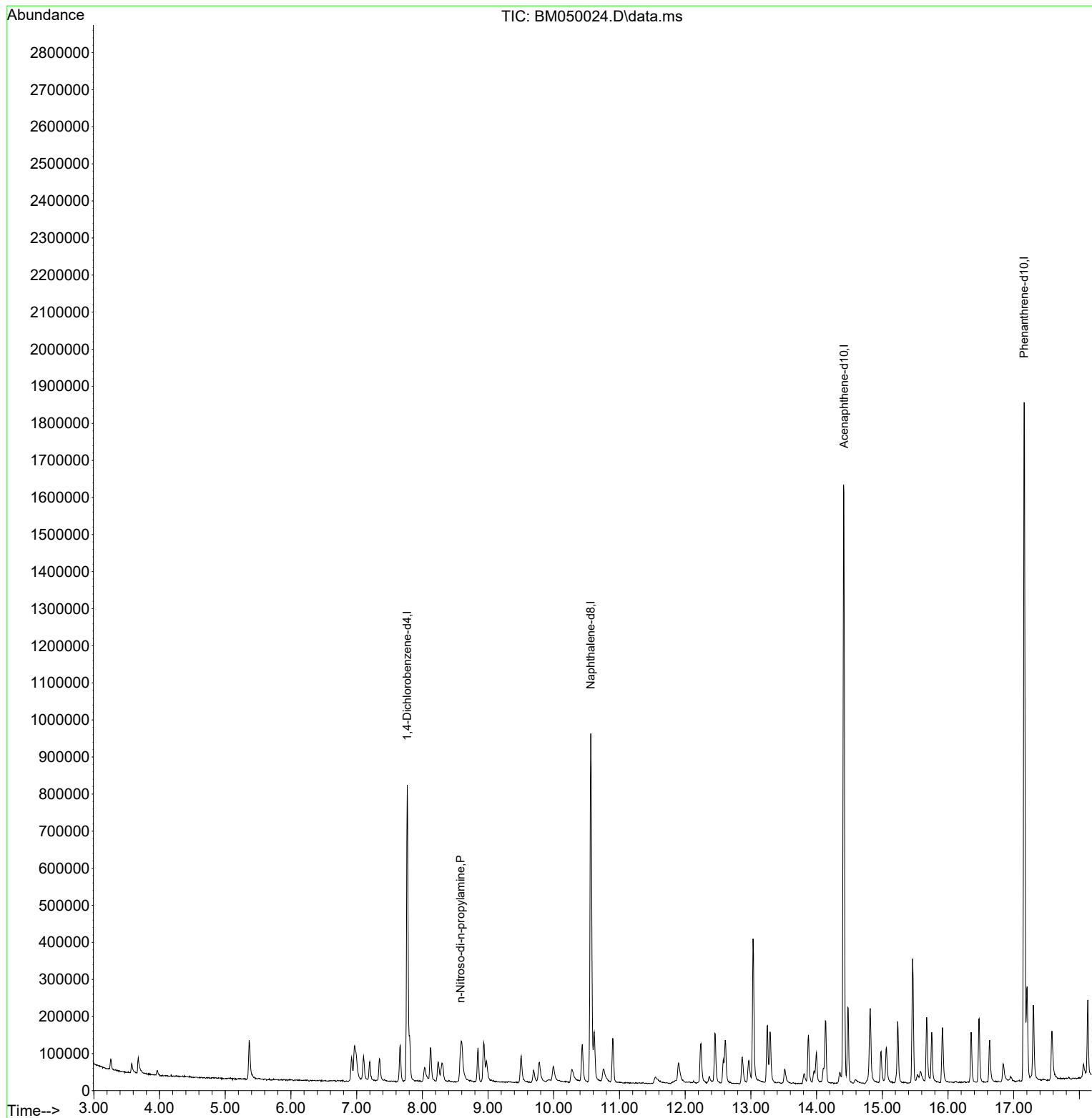
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	241974	20.000	ng	0.00
21) Naphthalene-d8	10.563	136	868675	20.000	ng	0.00
39) Acenaphthene-d10	14.416	164	604723	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1218544	20.000	ng	0.00
76) Chrysene-d12	21.404	240	1187007	20.000	ng	0.00
86) Perylene-d12	24.409	264	1217038	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...	8.581	70	24247	2.177	ng	96

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050024.D
Acq On : 28 Apr 2025 12:30
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

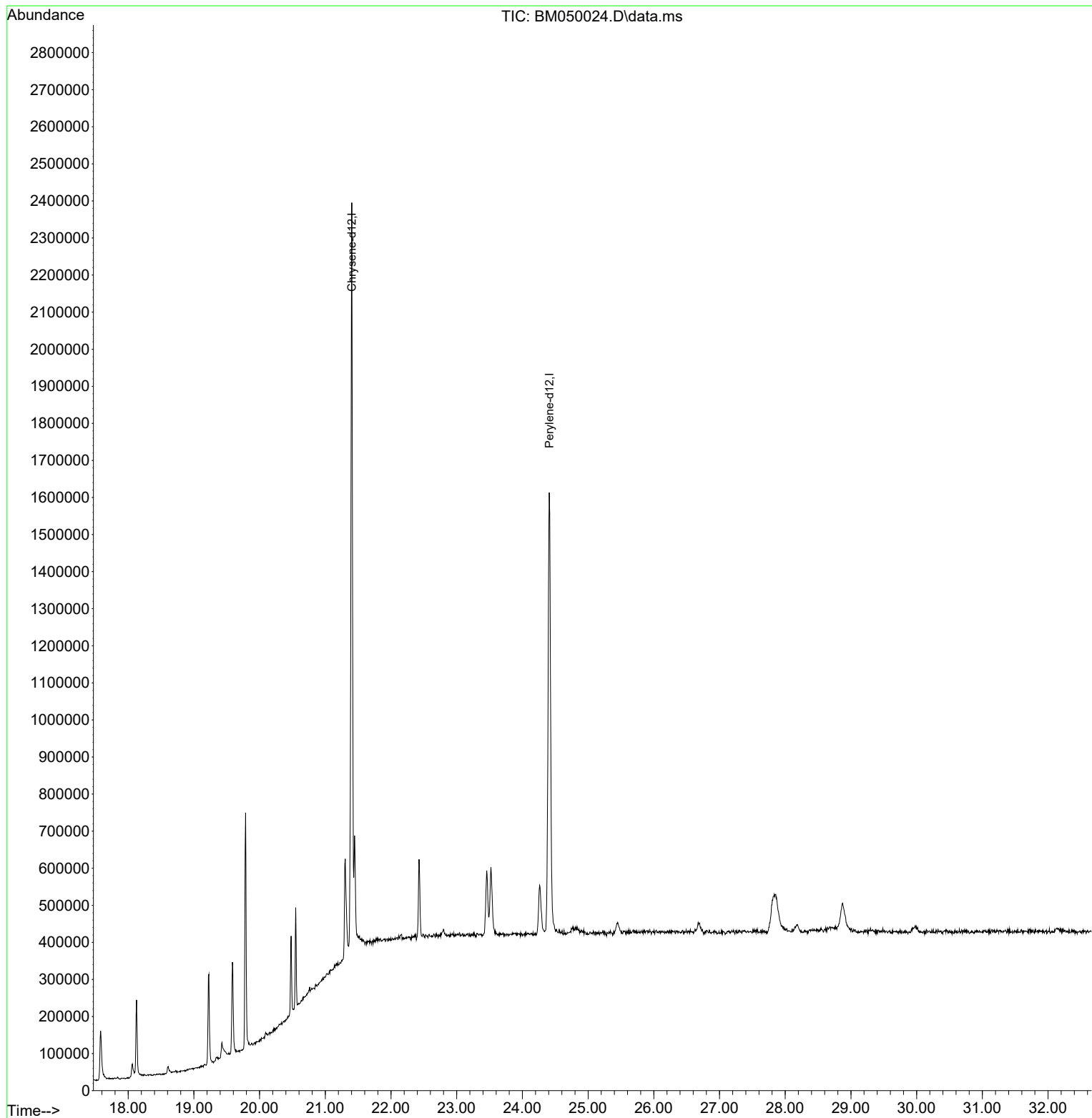
Quant Time: Apr 28 17:52:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

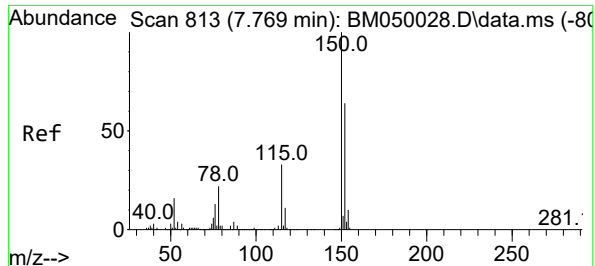


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050024.D
Acq On : 28 Apr 2025 12:30
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Quant Time: Apr 28 17:52:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

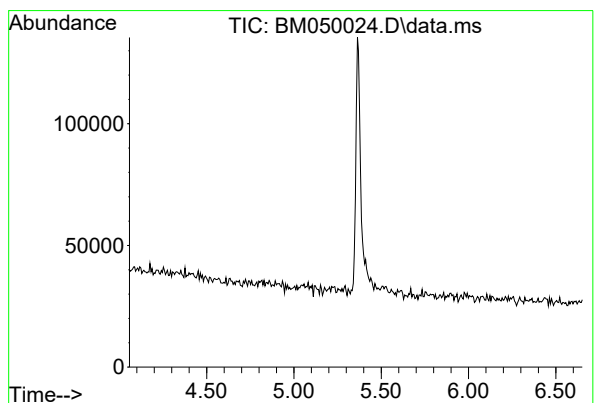
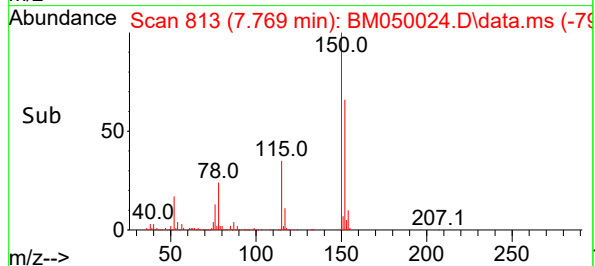
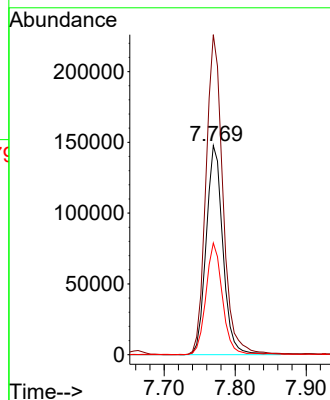
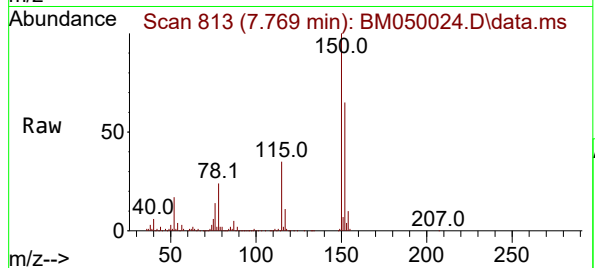




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM050024.D
Acq: 28 Apr 2025 12:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

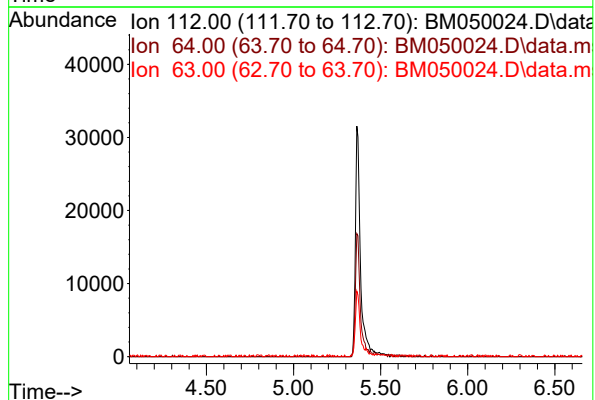
Tgt Ion:152 Resp: 241974
Ion Ratio Lower Upper
152 100
150 153.0 124.1 186.1
115 53.4 41.2 61.8

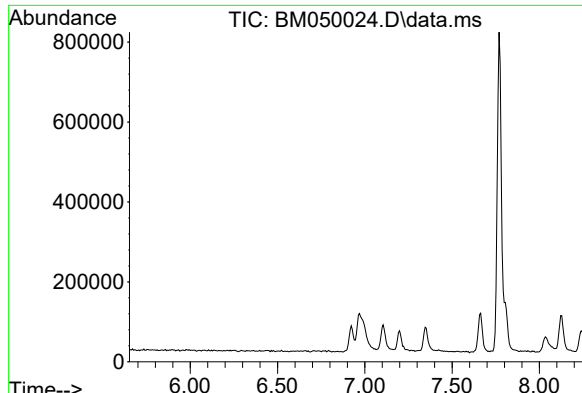


#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.36 min

Lab File: BM050024.D
Acq: 28 Apr 2025 12:30

Tgt Ion: 112
Sig Exp Ratio
112 100
64 53.3
63 27.8





#7

Phenol-d6

Concen: 0.000 ng

Expected RT: 6.95 min

Lab File: BM050024.D

Acq: 28 Apr 2025 12:30

Instrument :

BNA_M

ClientSampleId :

SSTDICC2.5

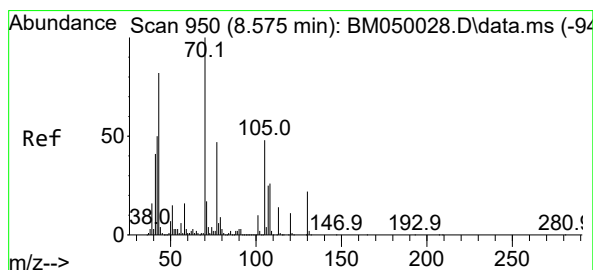
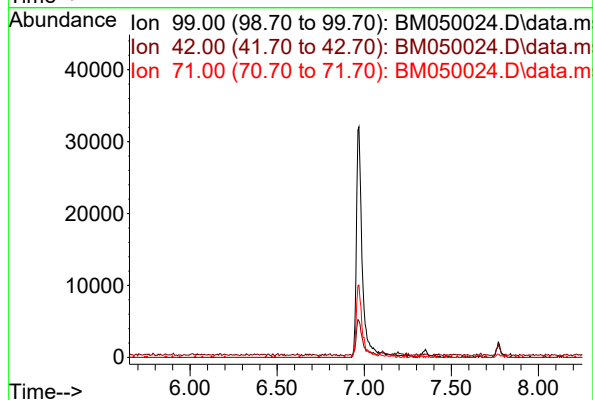
Tgt Ion: 99

Sig Exp Ratio

99 100

42 16.2

71 32.0



#19

n-Nitroso-di-n-propylamine

Concen: 2.177 ng

RT: 8.581 min Scan# 951

Delta R.T. 0.006 min

Lab File: BM050024.D

Acq: 28 Apr 2025 12:30

Tgt Ion: 70 Resp: 24247

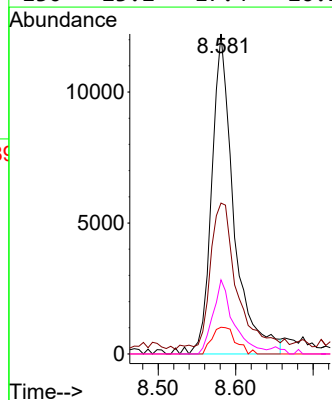
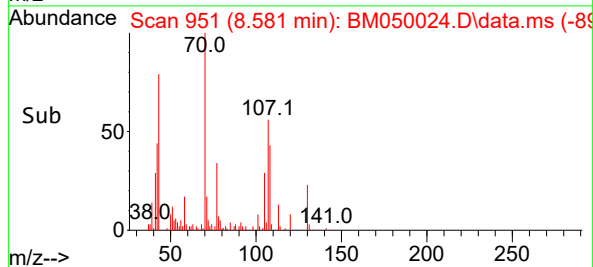
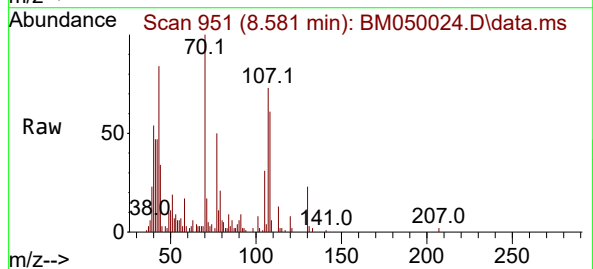
Ion Ratio Lower Upper

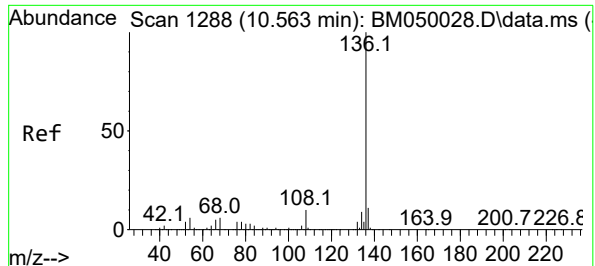
70 100

42 47.1 40.5 60.7

101 8.4 7.8 11.6

130 23.2 17.4 26.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.563 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM050024.D

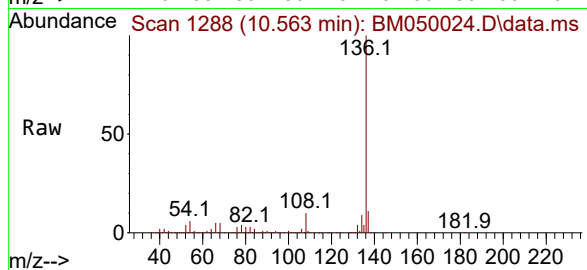
Acq: 28 Apr 2025 12:30

Instrument :

BNA_M

ClientSampleId :

SSTDICC2.5



Tgt Ion:136 Resp: 868675

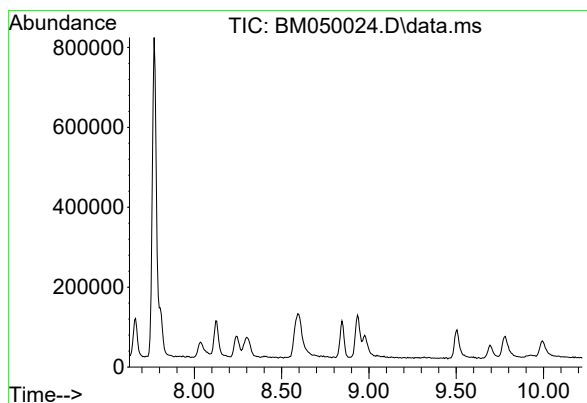
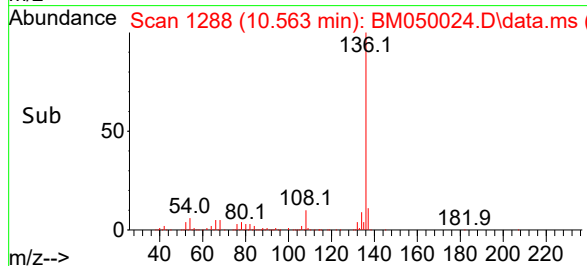
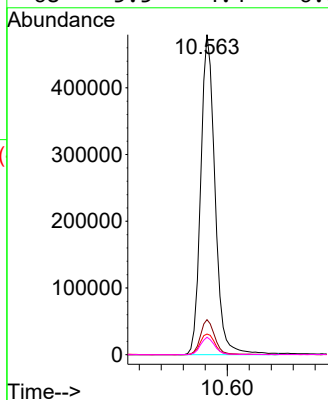
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 6.4 5.1 7.7

68 5.5 4.4 6.6



#23

Nitrobenzene-d5

Concen: 0.000 ng

Expected RT: 8.93 min

Lab File: BM050024.D

Acq: 28 Apr 2025 12:30

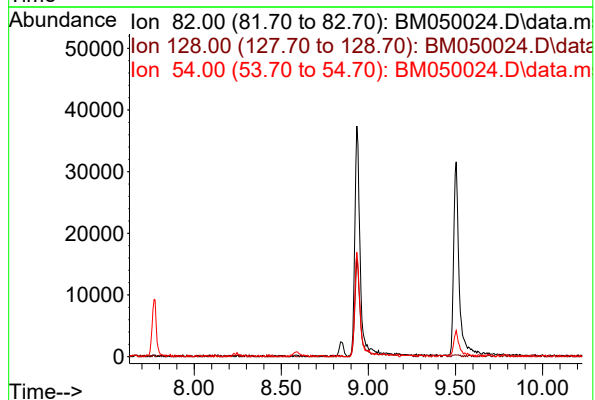
Tgt Ion: 82

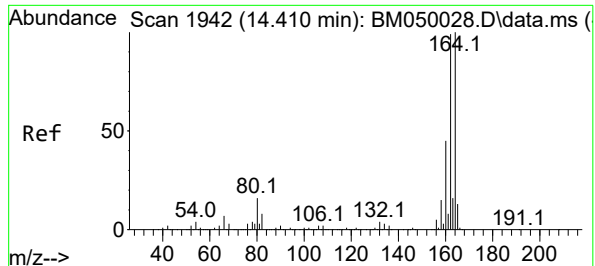
Sig Exp Ratio

82 100

128 44.6

54 44.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.416 min Scan# 1943

Delta R.T. 0.006 min

Lab File: BM050024.D

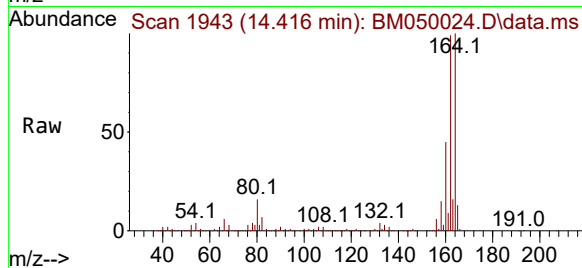
Acq: 28 Apr 2025 12:30

Instrument :

BNA_M

ClientSampleId :

SSTDICC2.5



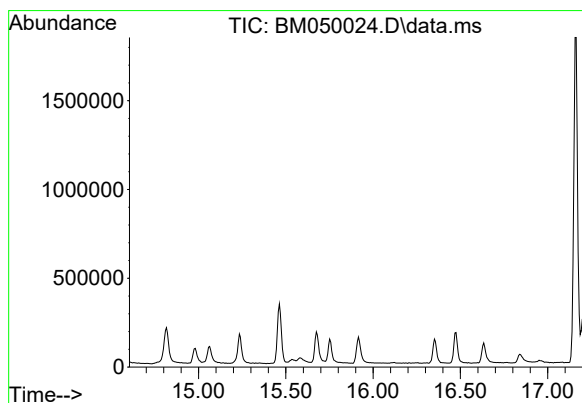
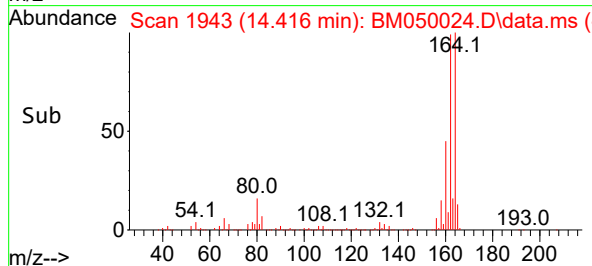
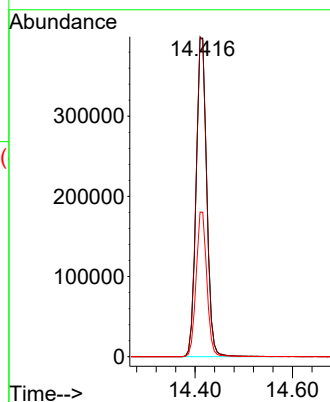
Tgt Ion:164 Resp: 604723

Ion	Ratio	Lower	Upper

164	100		

162	99.3	79.4	119.0

160	45.3	36.2	54.4



#42

2,4,6-Tribromophenol

Concen: 0.000 ng

Expected RT: 15.90 min

Lab File: BM050024.D

Acq: 28 Apr 2025 12:30

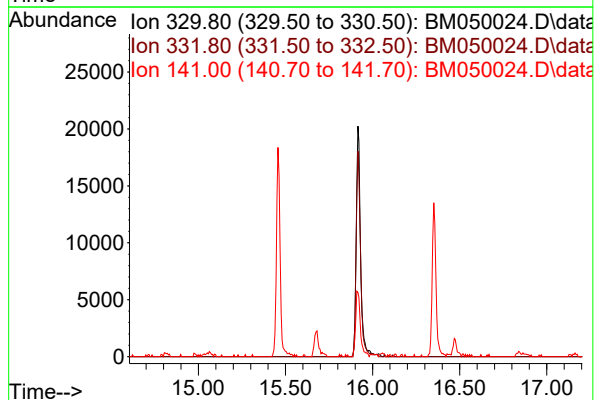
Tgt Ion: 330

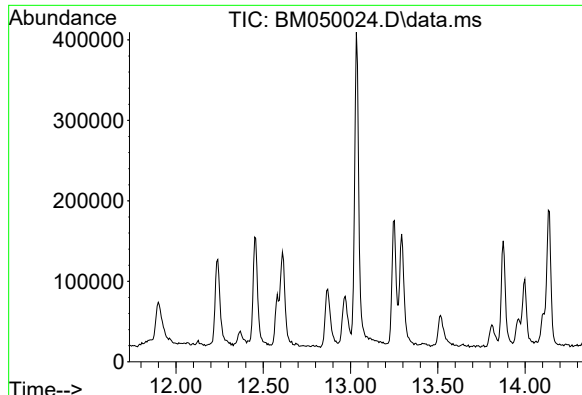
Sig	Exp Ratio

330	100

332	96.6

141	28.1

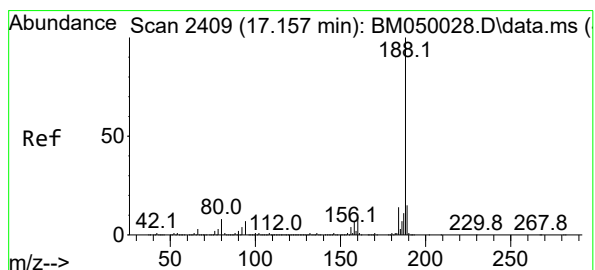
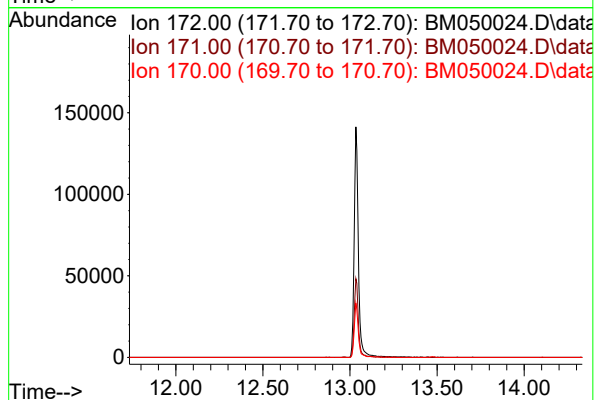




#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 13.03 min
Lab File: BM050024.D
Acq: 28 Apr 2025 12:30

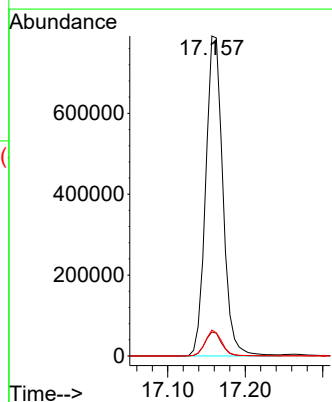
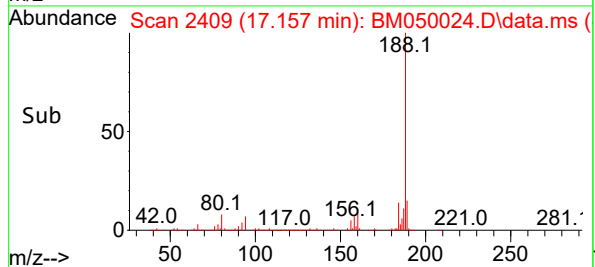
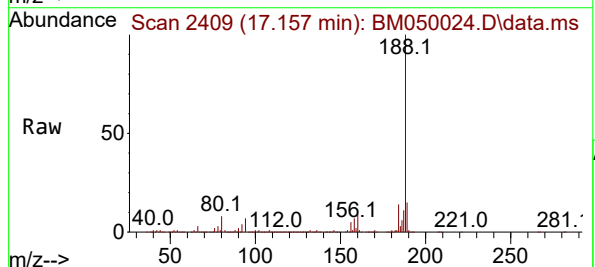
Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

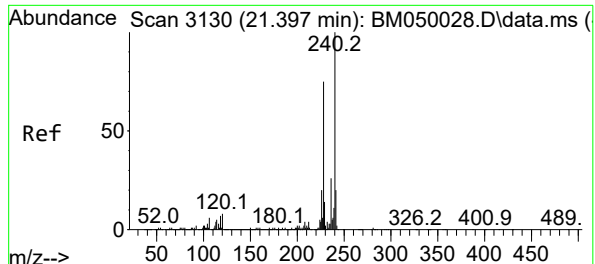
Tgt Ion: 172
Sig Exp Ratio
172 100
171 34.7
170 23.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2409
Delta R.T. -0.000 min
Lab File: BM050024.D
Acq: 28 Apr 2025 12:30

Tgt Ion:188 Resp: 1218544
Ion Ratio Lower Upper
188 100
94 7.5 5.7 8.5
80 8.1 6.2 9.4

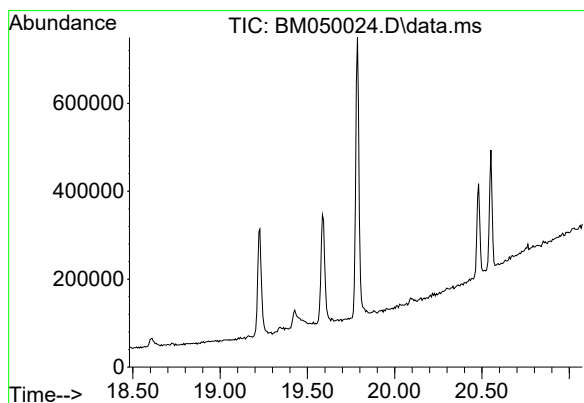
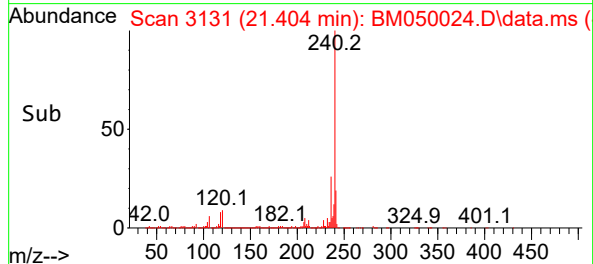
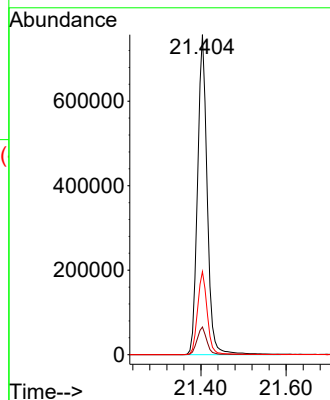
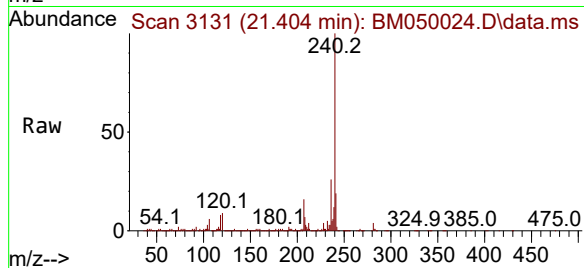




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.404 min Scan# 31
Delta R.T. 0.007 min
Lab File: BM050024.D
Acq: 28 Apr 2025 12:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

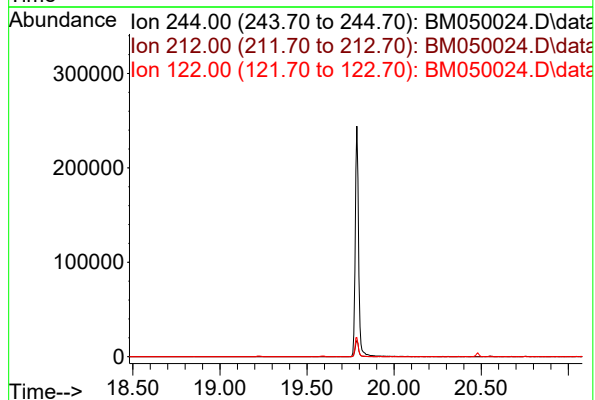
Tgt Ion:240 Resp: 1187007
Ion Ratio Lower Upper
240 100
120 8.7 6.5 9.7
236 25.9 20.9 31.3

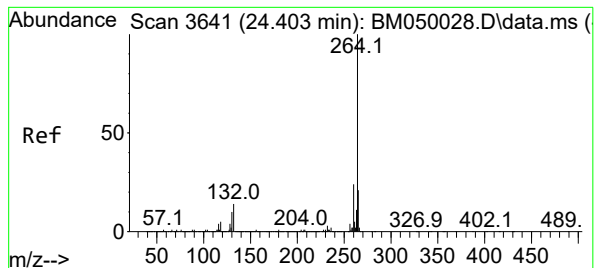


#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.78 min

Lab File: BM050024.D
Acq: 28 Apr 2025 12:30

Tgt Ion: 244
Sig Exp Ratio
244 100
212 7.0
122 7.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.409 min Scan# 3

Delta R.T. 0.006 min

Lab File: BM050024.D

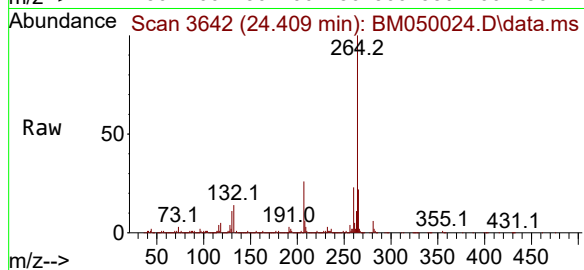
Acq: 28 Apr 2025 12:30

Instrument :

BNA_M

ClientSampleId :

SSTDICC2.5



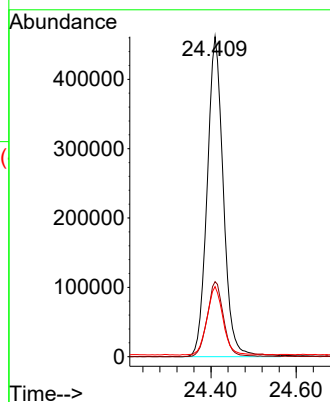
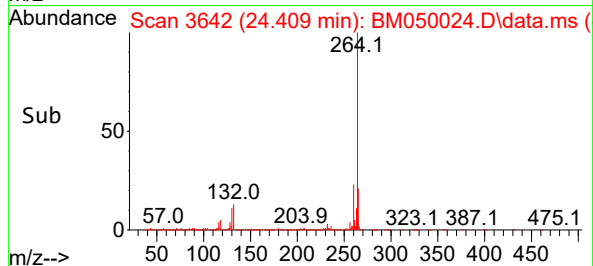
Tgt Ion:264 Resp: 1217038

Ion Ratio Lower Upper

264 100

260 23.4 18.8 28.2

265 21.9 17.0 25.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
 Data File : BM050025.D
 Acq On : 28 Apr 2025 13:09
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

SSTDICC005

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/29/2025

Supervised By :Jagrut Upadhyay 04/29/2025

Quant Time: Apr 28 17:53:22 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Apr 28 17:38:08 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	222427	20.000	ng	0.00
21) Naphthalene-d8	10.563	136	815362	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	578294	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1183325	20.000	ng	0.00
76) Chrysene-d12	21.403	240	1136162	20.000	ng	0.00
86) Perylene-d12	24.403	264	1149910	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	119473	9.406	ng	0.00
7) Phenol-d6	6.957	99	143453	8.985	ng	0.00
23) Nitrobenzene-d5	8.928	82	157222	9.502	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	73192	8.560	ng	0.00
45) 2-Fluorobiphenyl	13.033	172	459031	9.390	ng	0.00
79) Terphenyl-d14	19.780	244	668289	8.704	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.257	88	28163	5.171	ng	98
3) Pyridine	3.669	79	66766	4.771	ng	98
4) n-Nitrosodimethylamine	3.575	42	27060	4.930	ng	# 92
6) Aniline	7.098	93	92126	4.570	ng	97
8) 2-Chlorophenol	7.345	128	64999	4.733	ng	99
9) Benzaldehyde	6.916	77	52286m	4.900	ng	
10) Phenol	6.987	94	75011	4.641	ng	99
11) bis(2-Chloroethyl)ether	7.192	93	67447	4.998	ng	98
12) 1,3-Dichlorobenzene	7.657	146	82466	4.971	ng	98
13) 1,4-Dichlorobenzene	7.804	146	84400	5.064	ng	97
14) 1,2-Dichlorobenzene	8.122	146	78966	4.905	ng	99
15) Benzyl Alcohol	8.022	79	48180	4.352	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.298	45	82711	5.042	ng	93
17) 2-Methylphenol	8.234	107	47632	4.474	ng	99
18) Hexachloroethane	8.845	117	30717	5.185	ng	97
19) n-Nitroso-di-n-propyla...	8.575	70	49455	4.830	ng	98
20) 3+4-Methylphenols	8.575	107	63223	4.397	ng	# 91
22) Acetophenone	8.598	105	98358	4.852	ng	98
24) Nitrobenzene	8.975	77	68598	4.795	ng	94
25) Isophorone	9.498	82	135828	4.816	ng	98
26) 2-Nitrophenol	9.692	139	30257	4.140	ng	95
27) 2,4-Dimethylphenol	9.763	122	53660	4.427	ng	99
28) bis(2-Chloroethoxy)met...	9.986	93	82947	4.758	ng	99
29) 2,4-Dichlorophenol	10.263	162	59828	4.406	ng	97
30) 1,2,4-Trichlorobenzene	10.428	180	81624	4.934	ng	97
31) Naphthalene	10.616	128	204133	4.944	ng	98
33) 4-Chloroaniline	10.751	127	73542	4.345	ng	97
34) Hexachlorobutadiene	10.898	225	51529	4.907	ng	98
35) Caprolactam	11.522	113	18349m	4.634	ng	
36) 4-Chloro-3-methylphenol	11.886	107	58843	4.690	ng	97
37) 2-Methylnaphthalene	12.233	142	133679	4.829	ng	97
38) 1-Methylnaphthalene	12.451	142	143332	4.892	ng	99
40) 1,2,4,5-Tetrachloroben...	12.604	216	90168	4.504	ng	98
43) 2,4,6-Trichlorophenol	12.863	196	53748	4.233	ng	96
44) 2,4,5-Trichlorophenol	12.951	196	59224	4.325	ng	98
46) 1,1'-Biphenyl	13.245	154	206296	4.799	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
 Data File : BM050025.D
 Acq On : 28 Apr 2025 13:09
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

SSTDICC005

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/29/2025

Supervised By :Jagrut Upadhyay 04/29/2025

Quant Time: Apr 28 17:53:22 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Apr 28 17:38:08 2025

Response via : Initial Calibration

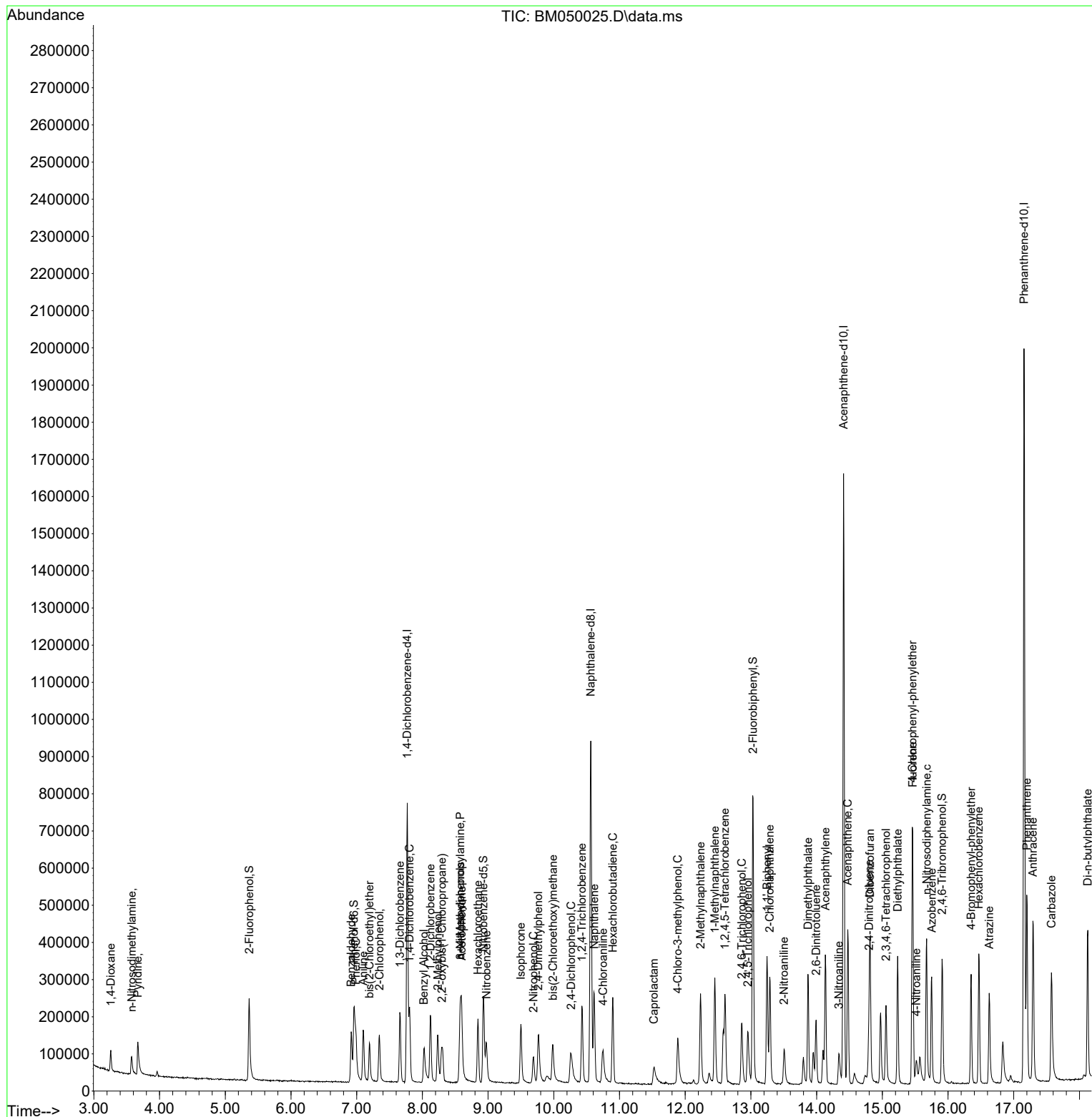
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 2-Chloronaphthalene	13.286	162	162803	4.782	ng	98
48) 2-Nitroaniline	13.504	65	34348	4.299	ng	91
49) Acenaphthylene	14.133	152	259406	4.832	ng	100
50) Dimethylphthalate	13.869	163	208800	4.941	ng	100
51) 2,6-Dinitrotoluene	13.992	165	38453	4.395	ng	94
52) Acenaphthene	14.474	154	150042	4.829	ng	99
53) 3-Nitroaniline	14.339	138	33713	4.036	ng	# 94
55) Dibenzofuran	14.816	168	252898	4.892	ng	99
57) 2,4-Dinitrotoluene	14.798	165	48901	4.044	ng	# 87
58) Fluorene	15.463	166	200542	4.739	ng	95
59) 2,3,4,6-Tetrachlorophenol	15.057	232	52899	4.463	ng	97
60) Diethylphthalate	15.233	149	198362	4.981	ng	98
61) 4-Chlorophenyl-phenyle...	15.457	204	107081	4.607	ng	94
62) 4-Nitroaniline	15.515	138	30138m	3.737	ng	
63) Azobenzene	15.751	77	161662	4.844	ng	98
66) n-Nitrosodiphenylamine	15.674	169	171608	4.723	ng	97
67) 4-Bromophenyl-phenylether	16.351	248	66000	4.612	ng	95
68) Hexachlorobenzene	16.468	284	78506	4.759	ng	99
69) Atrazine	16.627	200	58110	4.433	ng	99
71) Phenanthrene	17.198	178	317954	4.764	ng	99
72) Anthracene	17.292	178	314149	4.651	ng	99
73) Carbazole	17.574	167	268774	4.586	ng	99
74) Di-n-butylphthalate	18.127	149	327178	4.688	ng	100
75) Fluoranthene	19.221	202	348593	4.449	ng	99
78) Pyrene	19.586	202	366473	4.593	ng	99
80) Butylbenzylphthalate	20.480	149	138827	4.646	ng	97
81) Benzo(a)anthracene	21.380	228	363641	4.648	ng	99
82) 3,3'-Dichlorobenzidine	21.315	252	123375	4.119	ng	# 95
83) Chrysene	21.445	228	343085	4.738	ng	98
84) Bis(2-ethylhexyl)phtha...	21.297	149	206231	4.620	ng	96
85) Di-n-octyl phthalate	22.427	149	346799	4.711	ng	98
87) Indeno(1,2,3-cd)pyrene	27.803	276	373944	4.364	ng	# 87
88) Benzo(b)fluoranthene	23.456	252	324395	4.338	ng	99
89) Benzo(k)fluoranthene	23.515	252	350374m	4.631	ng	
90) Benzo(a)pyrene	24.262	252	314608	4.492	ng	98
91) Dibenzo(a,h)anthracene	27.856	278	303557	4.346	ng	98
92) Benzo(g,h,i)perylene	28.862	276	306571	4.585	ng	98

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

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



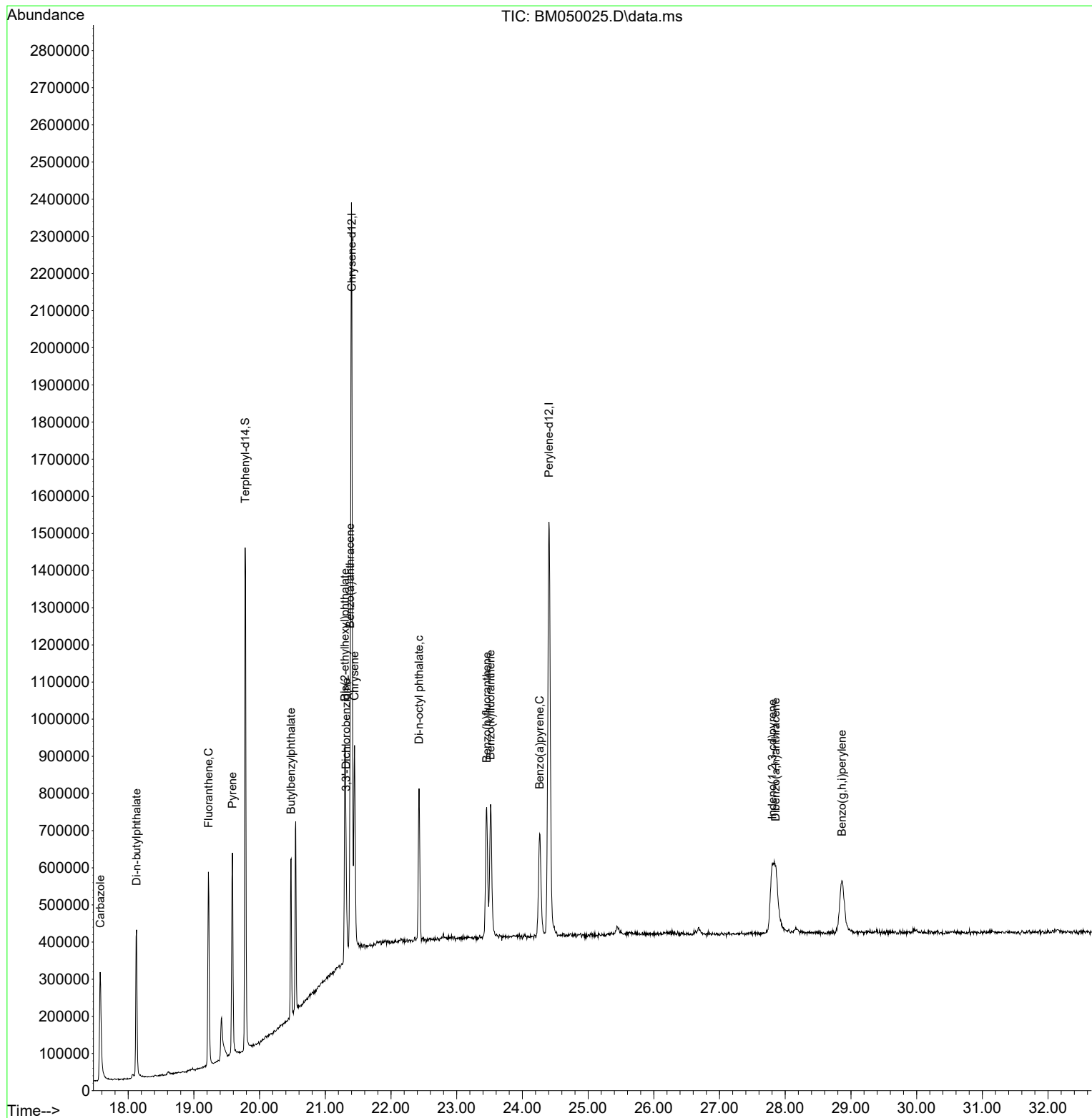
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Data File : BM050025.D
Acq On : 28 Apr 2025 13:09
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

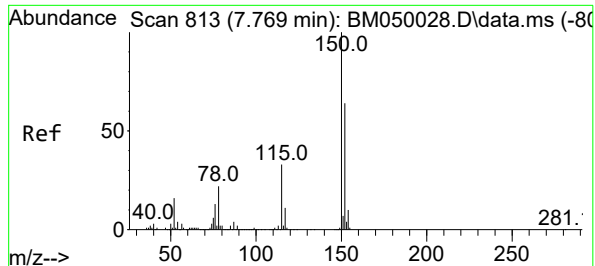
Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

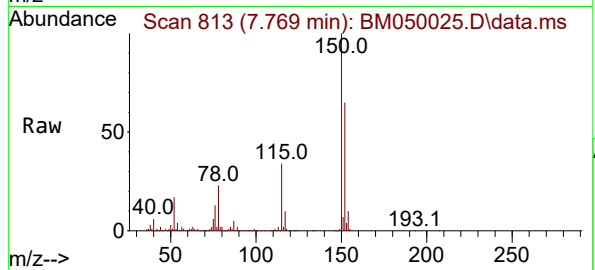
Quant Time: Apr 28 17:53:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 813
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

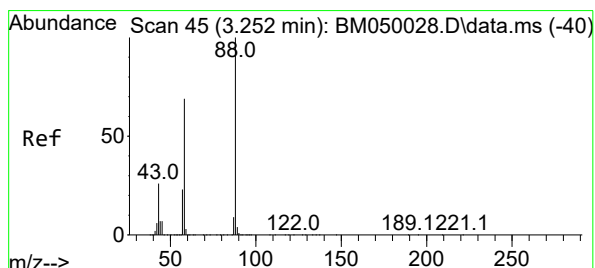
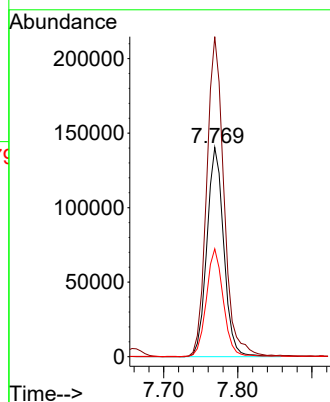
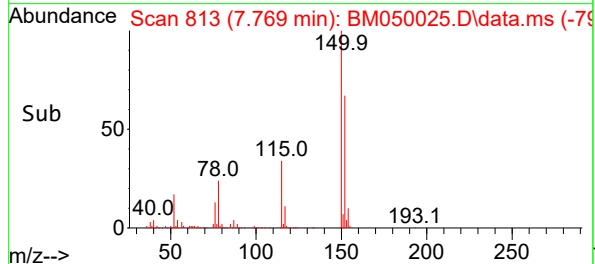
Instrument :
BNA_M
ClientSampleId :
SSTDICC005



Tgt Ion: 152 Resp: 22242
Ion Ratio Lower Upper
152 100
150 152.9 124.1 186.1
115 51.5 41.2 61.8

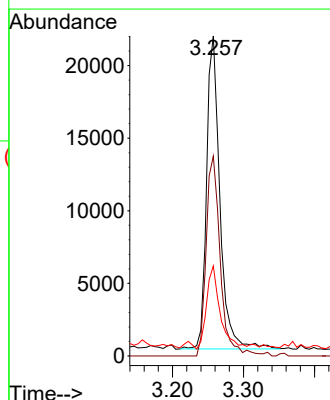
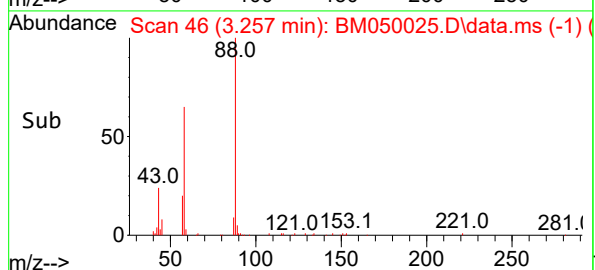
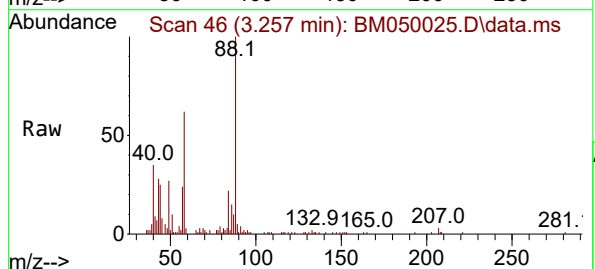
Manual Integrations
APPROVED

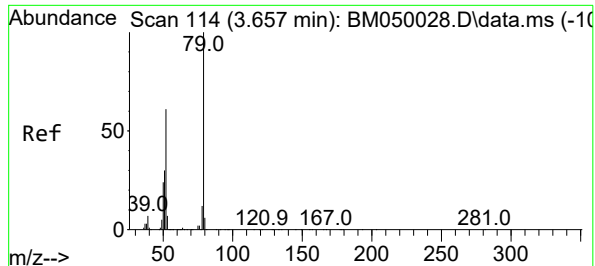
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#2
1,4-Dioxane
Concen: 5.171 ng
RT: 3.257 min Scan# 46
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

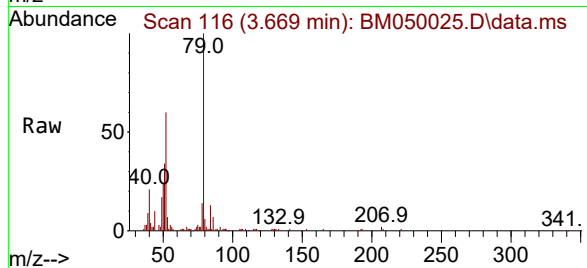
Tgt Ion: 88 Resp: 28163
Ion Ratio Lower Upper
88 100
58 67.8 55.1 82.7
43 27.3 20.9 31.3





#3
Pyridine
Concen: 4.771 ng
RT: 3.669 min Scan# 114
Delta R.T. 0.012 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

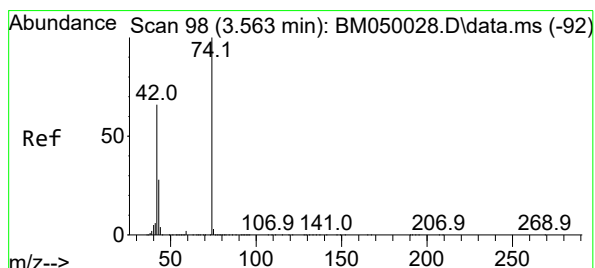
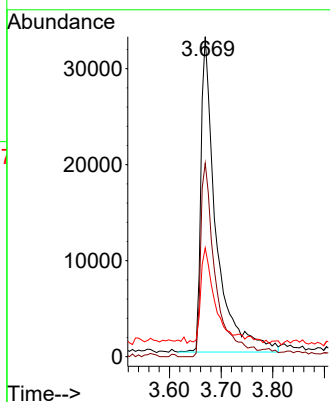
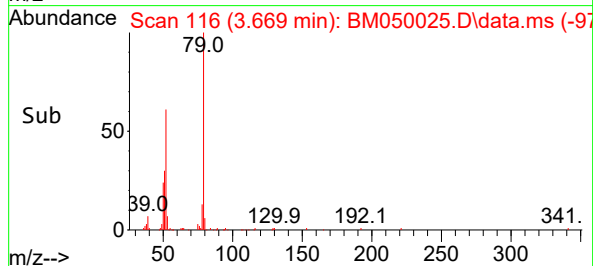
Instrument :
BNA_M
ClientSampleId :
SSTDICC005



Tgt Ion: 79 Resp: 66760
Ion Ratio Lower Upper
79 100
52 60.5 48.6 72.8
51 34.0 24.6 37.0

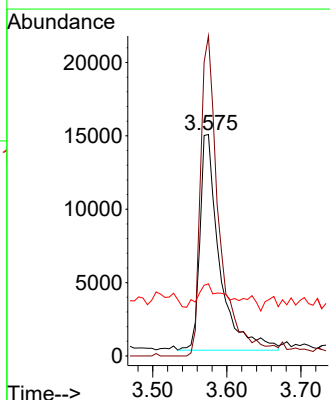
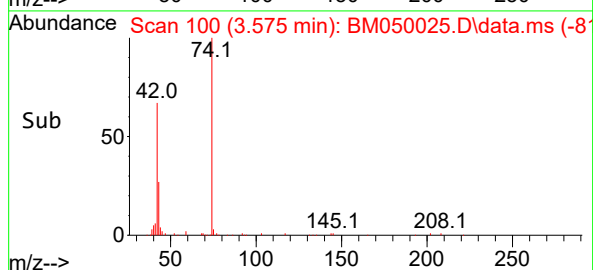
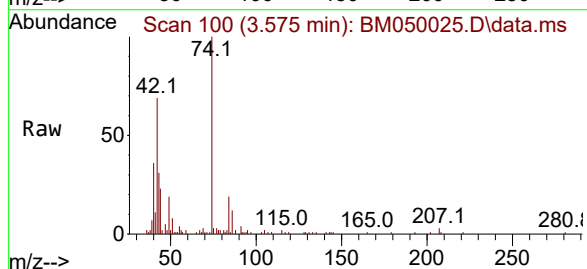
Manual Integrations
APPROVED

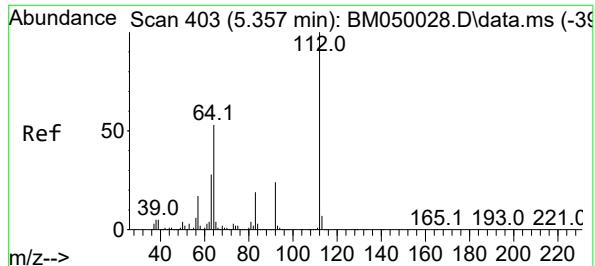
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#4
n-Nitrosodimethylamine
Concen: 4.930 ng
RT: 3.575 min Scan# 100
Delta R.T. 0.012 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

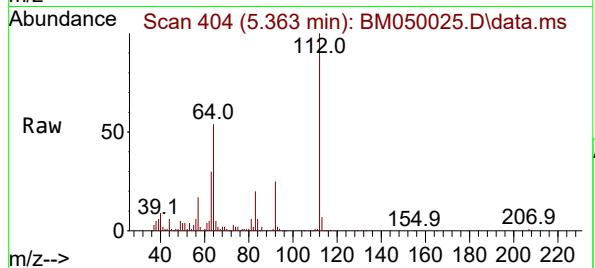
Tgt Ion: 42 Resp: 27060
Ion Ratio Lower Upper
42 100
74 144.5 120.2 180.2
44 32.5 6.2 9.2#





#5
2-Fluorophenol
Concen: 9.406 ng
RT: 5.363 min Scan# 403
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

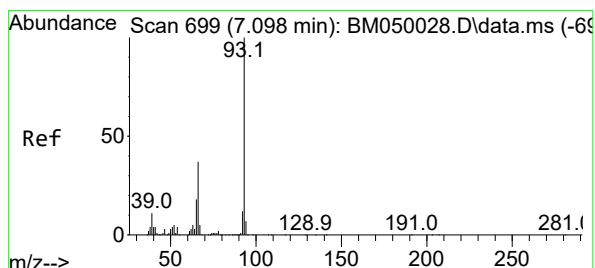
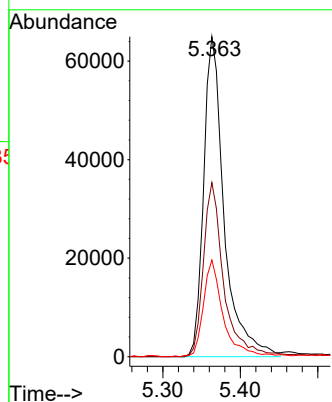
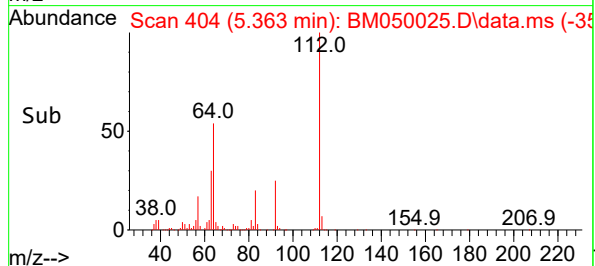
Instrument :
BNA_M
ClientSampleId :
SSTDICC005



Tgt Ion: 112 Resp: 11947
Ion Ratio Lower Upper
112 100
64 54.4 42.6 64.0
63 30.2 22.2 33.4

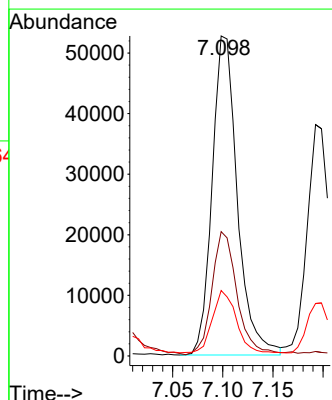
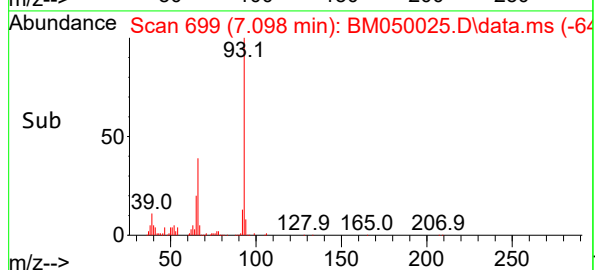
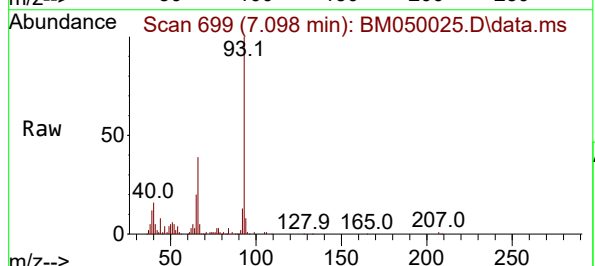
Manual Integrations
APPROVED

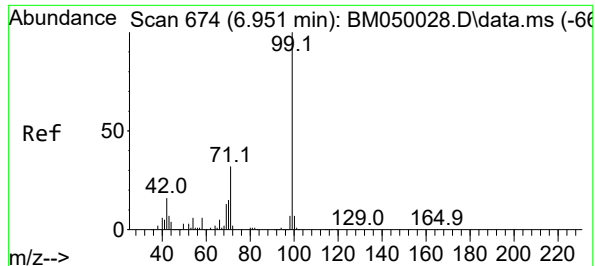
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#6
Aniline
Concen: 4.570 ng
RT: 7.098 min Scan# 699
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

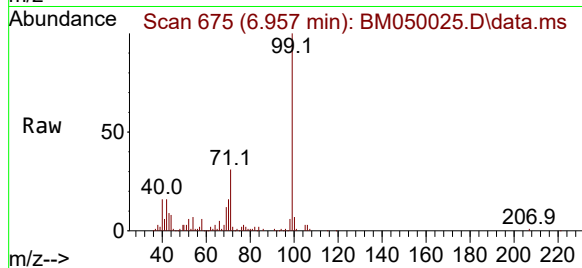
Tgt Ion: 93 Resp: 92126
Ion Ratio Lower Upper
93 100
66 38.9 29.9 44.9
65 20.5 14.5 21.7





#7
Phenol-d6
Concen: 8.985 ng
RT: 6.957 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

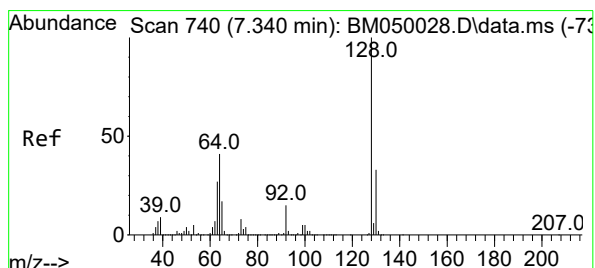
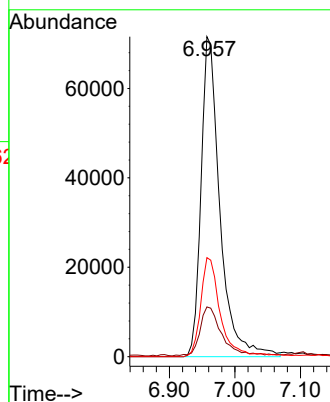
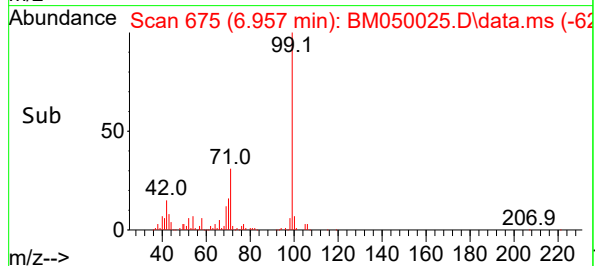
Instrument :
BNA_M
ClientSampleId :
SSTDICC005



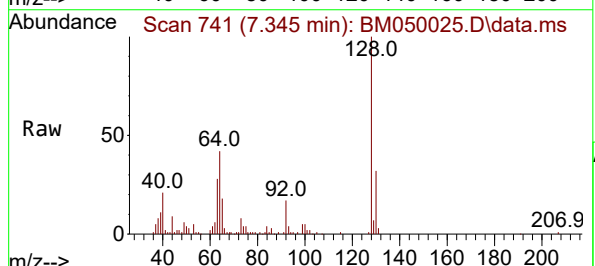
Tgt Ion: 99 Resp: 14345
Ion Ratio Lower Upper
99 100
42 15.6 13.0 19.4
71 30.9 25.6 38.4

Manual Integrations
APPROVED

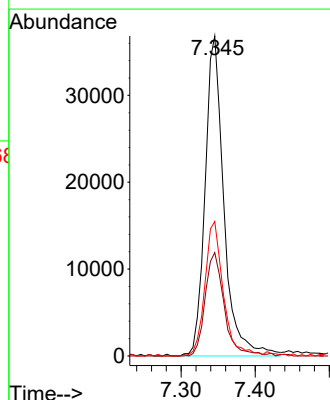
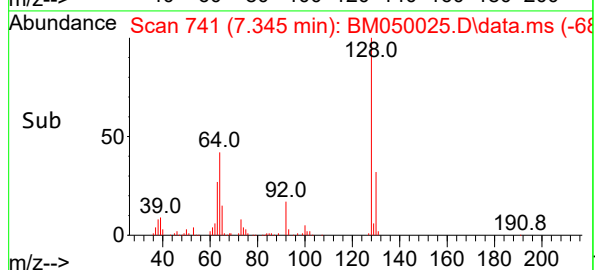
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

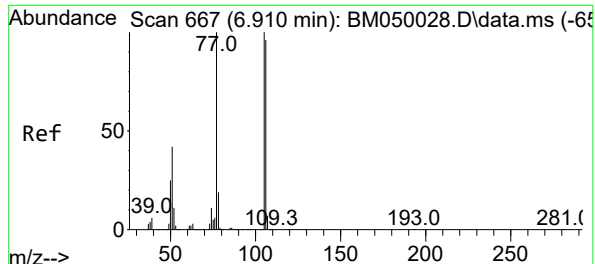


#8
2-Chlorophenol
Concen: 4.733 ng
RT: 7.345 min Scan# 741
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09



Tgt Ion:128 Resp: 64999
Ion Ratio Lower Upper
128 100
130 32.3 12.8 52.8
64 42.0 21.2 61.2





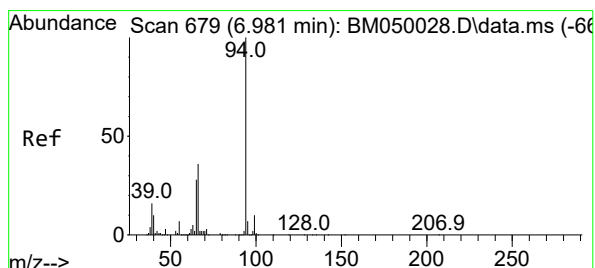
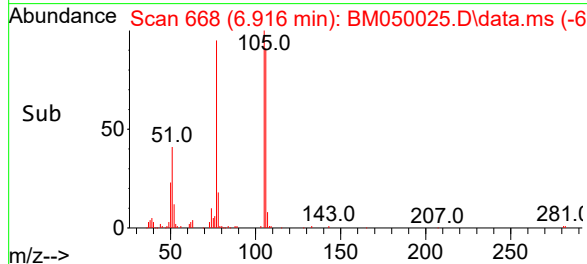
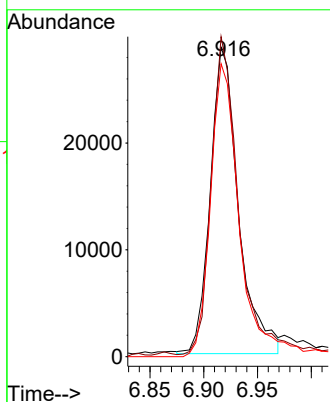
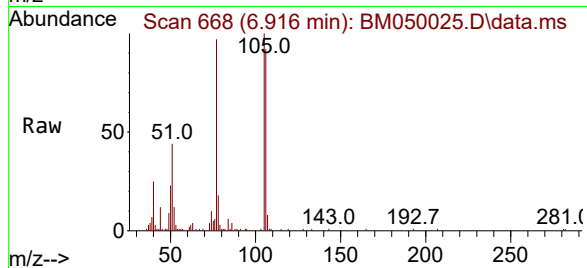
#9
Benzaldehyde
Concen: 4.900 ng m
RT: 6.916 min Scan# 60
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion: 77 Resp: 52280
Ion Ratio Lower Upper
77 100
105 103.4 80.5 120.5
106 94.6 76.1 116.1

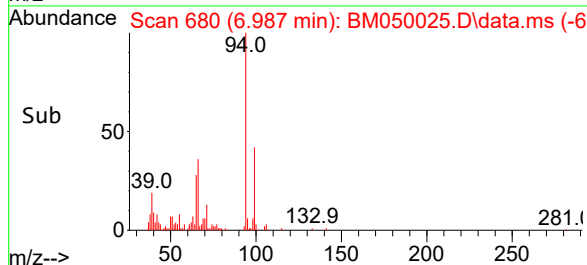
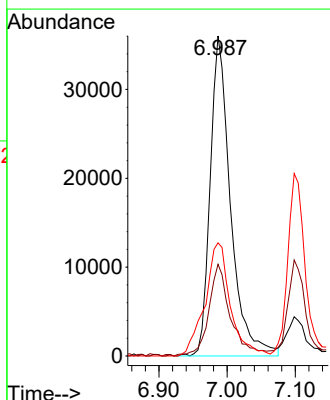
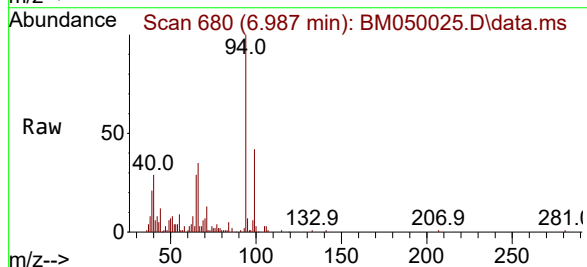
Manual Integrations
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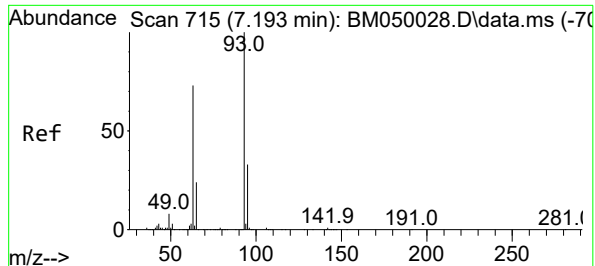
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#10
Phenol
Concen: 4.641 ng
RT: 6.987 min Scan# 680
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion: 94 Resp: 75011
Ion Ratio Lower Upper
94 100
65 28.6 7.6 47.6
66 35.3 15.8 55.8





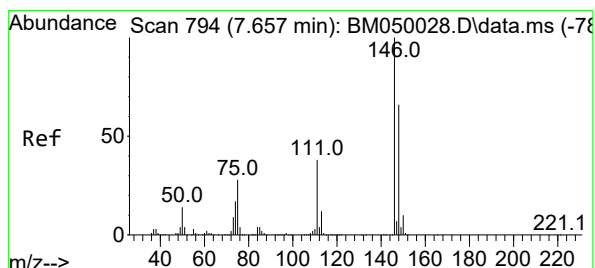
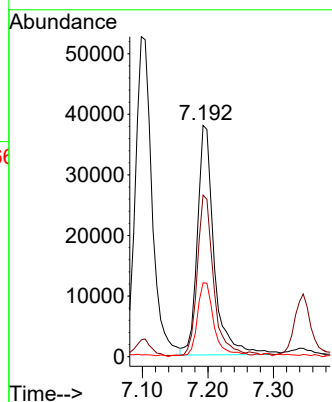
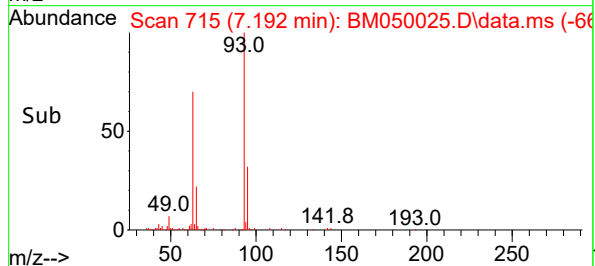
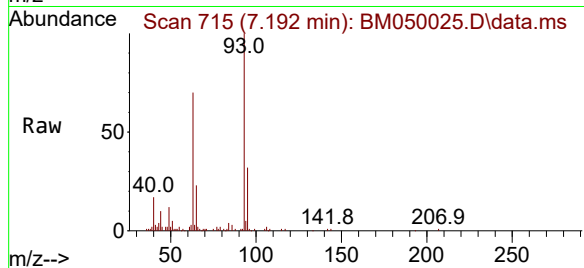
#11
bis(2-Chloroethyl)ether
Concen: 4.998 ng
RT: 7.192 min Scan# 715
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 6744
Ion Ratio Lower Upper
93 100
63 69.8 52.3 92.3
95 32.0 12.8 52.8

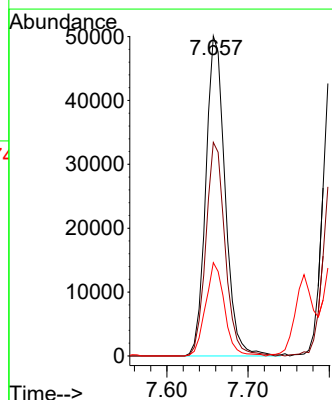
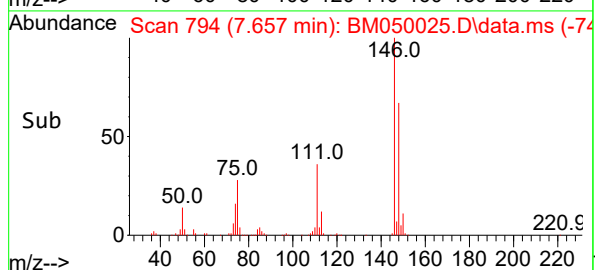
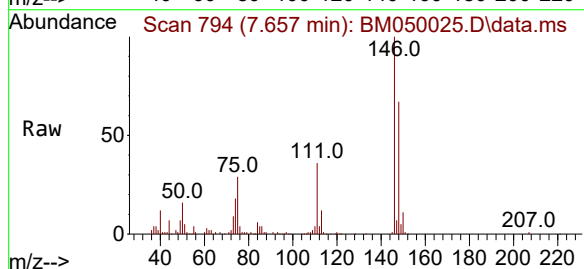
Manual Integrations
APPROVED

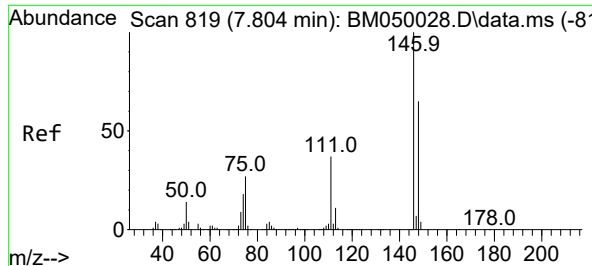
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#12
1,3-Dichlorobenzene
Concen: 4.971 ng
RT: 7.657 min Scan# 794
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:146 Resp: 82466
Ion Ratio Lower Upper
146 100
148 66.8 52.5 78.7
75 29.2 22.6 34.0





#13

1,4-Dichlorobenzene

Concen: 5.064 ng

RT: 7.804 min Scan# 819

Delta R.T. -0.000 min

Lab File: BM050025.D

Acq: 28 Apr 2025 13:09

Instrument :

BNA_M

ClientSampleId :

SSTDICC005

Tgt Ion:146 Resp: 84400

Ion Ratio Lower Upper

146 100

148 61.6 52.2 78.2

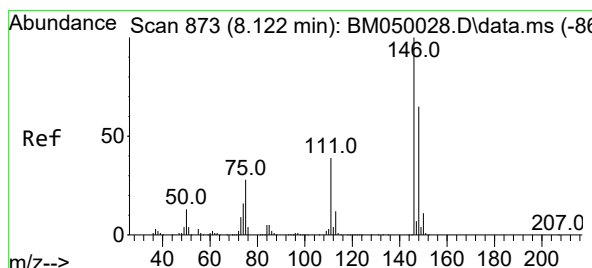
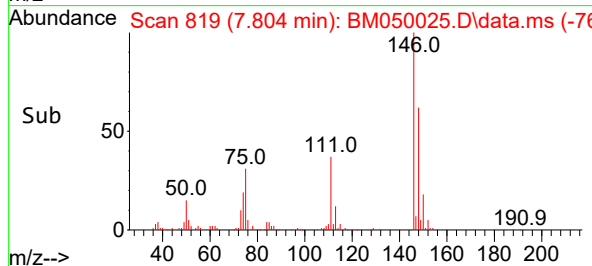
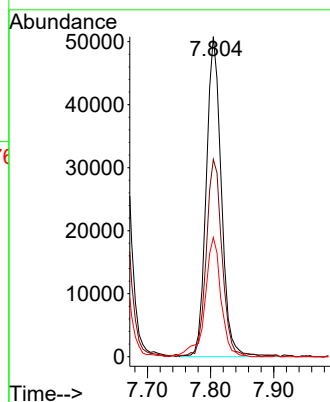
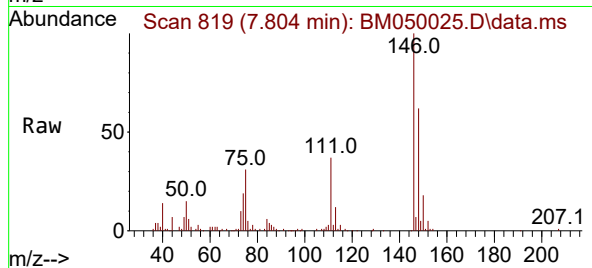
111 37.2 29.3 43.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/29/2025

Supervised By :Jagrut Upadhyay 04/29/2025



#14

1,2-Dichlorobenzene

Concen: 4.905 ng

RT: 8.122 min Scan# 873

Delta R.T. -0.000 min

Lab File: BM050025.D

Acq: 28 Apr 2025 13:09

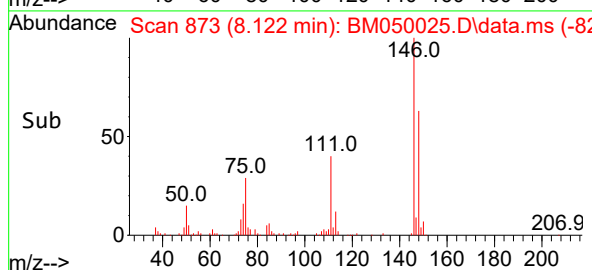
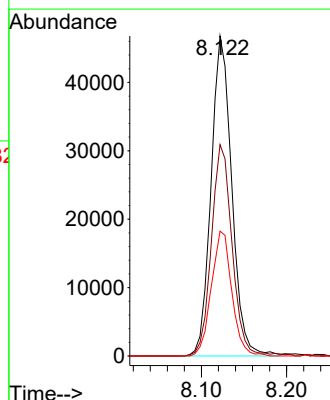
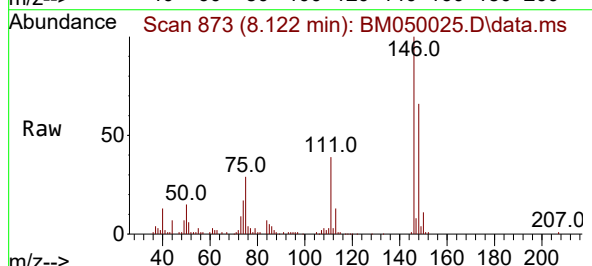
Tgt Ion:146 Resp: 78966

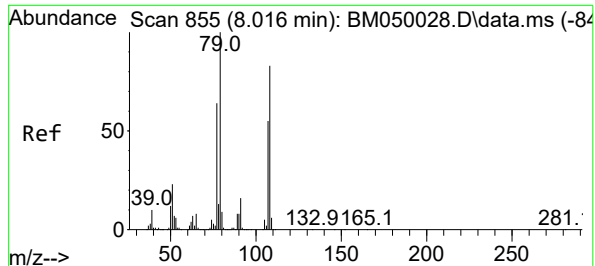
Ion Ratio Lower Upper

146 100

148 66.0 52.4 78.6

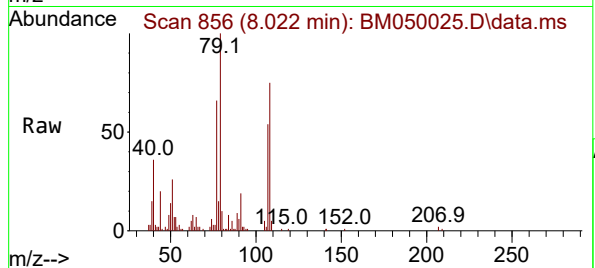
111 39.0 31.0 46.6





#15
Benzyl Alcohol
Concen: 4.352 ng
RT: 8.022 min Scan# 855
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

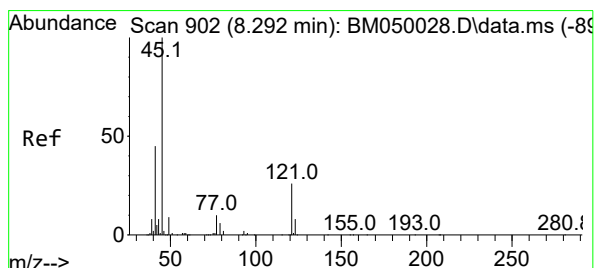
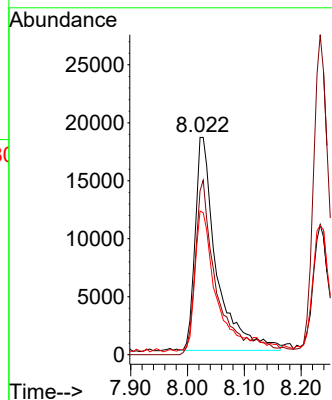
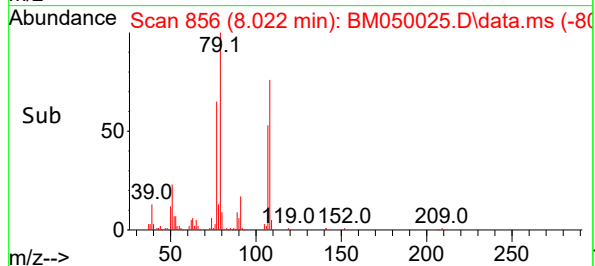
Instrument :
BNA_M
ClientSampleId :
SSTDICC005



Tgt Ion: 79 Resp: 48180
Ion Ratio Lower Upper
79 100
108 75.4 66.0 99.0
77 66.1 51.6 77.4

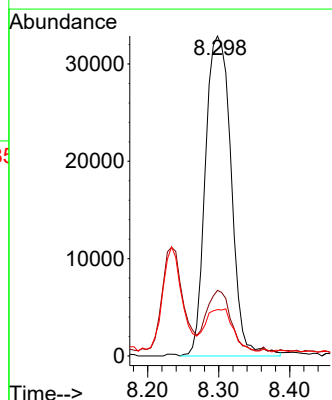
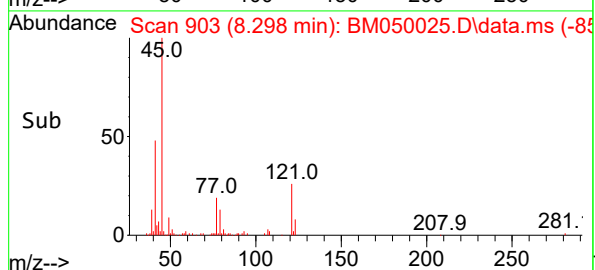
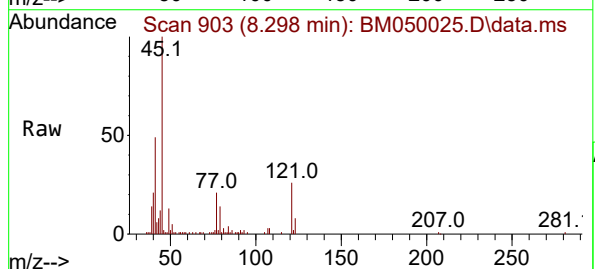
Manual Integrations
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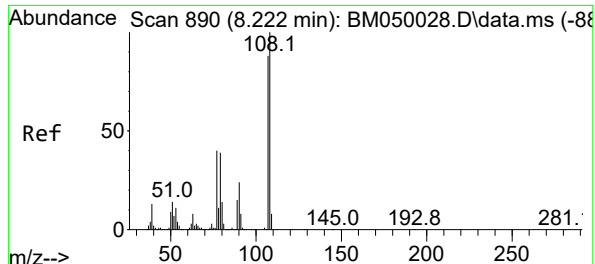
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.042 ng
RT: 8.298 min Scan# 903
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion: 45 Resp: 82711
Ion Ratio Lower Upper
45 100
77 20.5 0.0 36.4
79 14.5 0.0 32.7





#17

2-Methylphenol

Concen: 4.474 ng

RT: 8.234 min Scan# 890

Delta R.T. 0.012 min

Lab File: BM050025.D

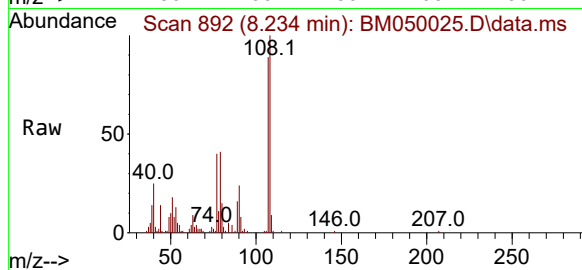
Acq: 28 Apr 2025 13:09

Instrument :

BNA_M

ClientSampleId :

SSTDICC005



Tgt Ion:107 Resp: 4763

Ion Ratio Lower Upper

107 100

108 112.6 91.1 136.7

77 45.6 36.2 54.4

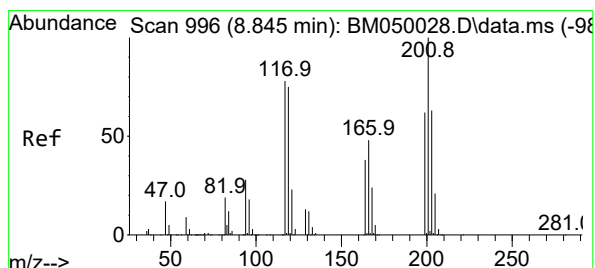
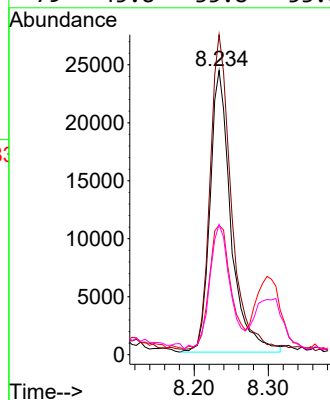
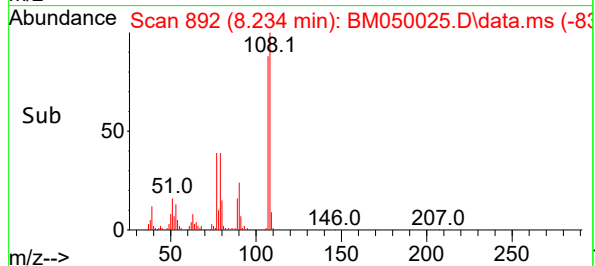
79 45.8 35.8 53.8

Manual Integrations

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Reviewed By :Rahul Chavli 04/29/2025

Supervised By :Jagrut Upadhyay 04/29/2025



#18

Hexachloroethane

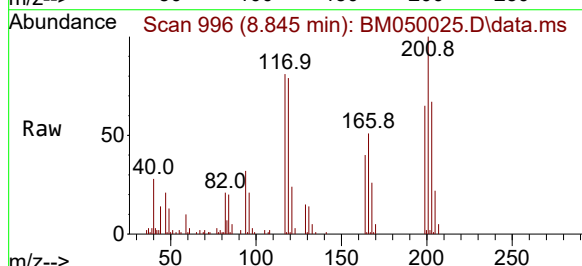
Concen: 5.185 ng

RT: 8.845 min Scan# 996

Delta R.T. -0.000 min

Lab File: BM050025.D

Acq: 28 Apr 2025 13:09



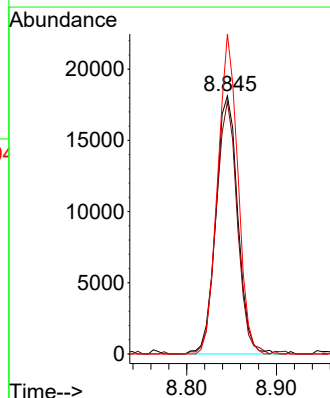
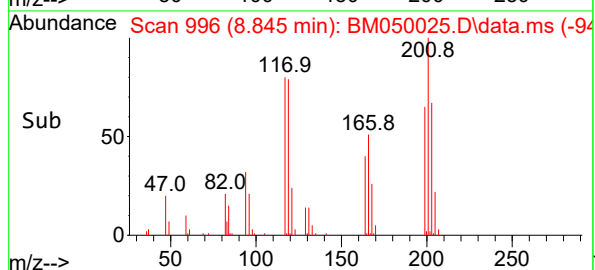
Tgt Ion:117 Resp: 30717

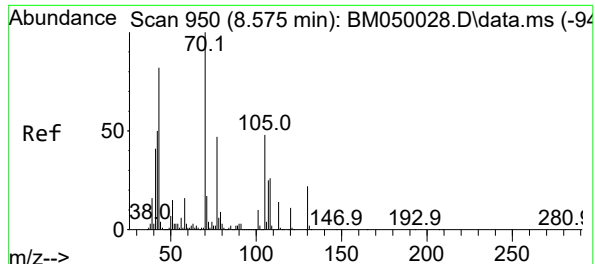
Ion Ratio Lower Upper

117 100

119 97.9 77.3 115.9

201 124.0 102.8 154.2





#19

n-Nitroso-di-n-propylamine

Concen: 4.830 ng

RT: 8.575 min Scan# 91

Delta R.T. -0.000 min

Lab File: BM050025.D

Acq: 28 Apr 2025 13:09

Instrument :

BNA_M

ClientSampleId :

SSTDICC005

Tgt Ion: 70 Resp: 4945

Ion Ratio Lower Upper

70 100

42 50.7 40.5 60.7

101 8.2 7.8 11.6

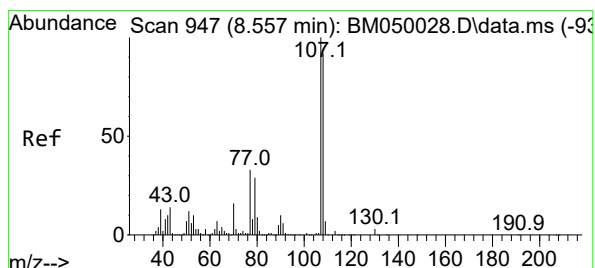
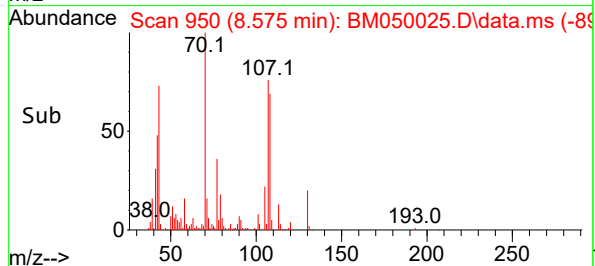
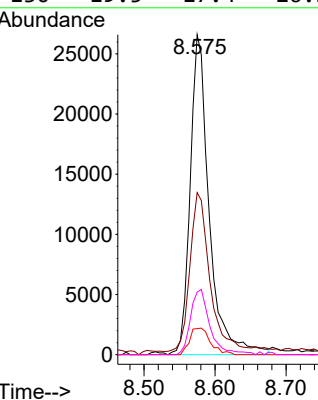
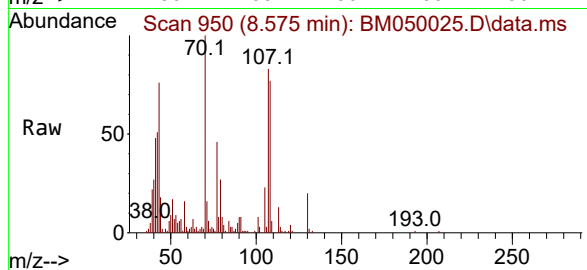
130 19.5 17.4 26.2

Manual Integrations

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Reviewed By :Rahul Chavli 04/29/2025

Supervised By :Jagrut Upadhyay 04/29/2025



#20

3+4-Methylphenols

Concen: 4.397 ng

RT: 8.575 min Scan# 950

Delta R.T. 0.018 min

Lab File: BM050025.D

Acq: 28 Apr 2025 13:09

Tgt Ion:107 Resp: 63223

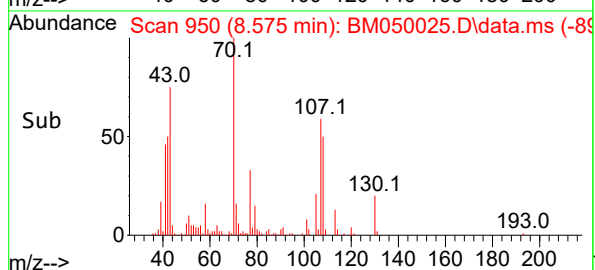
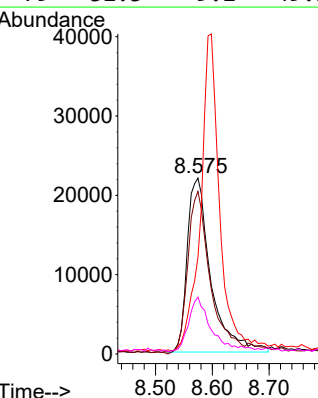
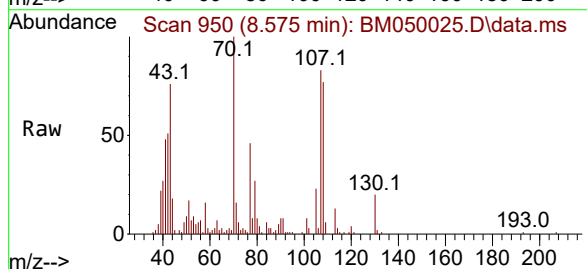
Ion Ratio Lower Upper

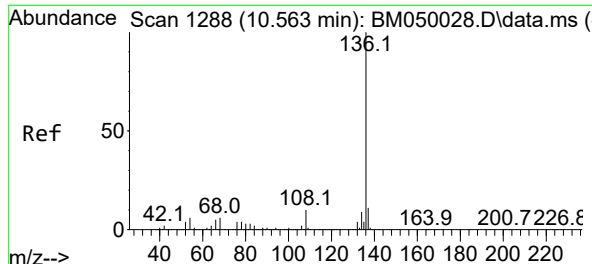
107 100

108 92.4 72.4 112.4

77 55.1 13.6 53.6#

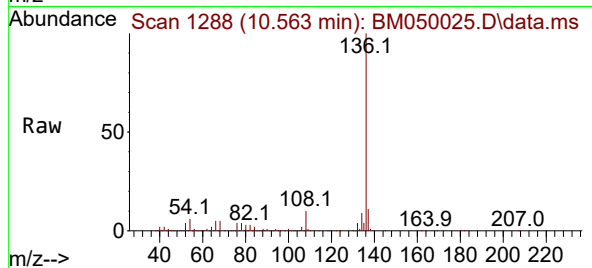
79 32.3 9.2 49.2





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1288
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

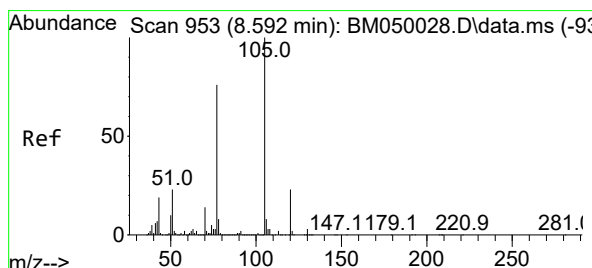
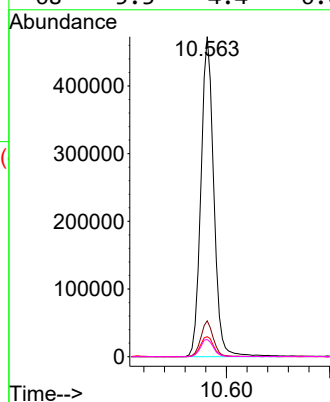
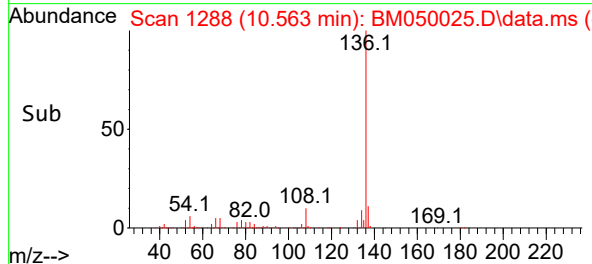
Instrument :
BNA_M
ClientSampleId :
SSTDICC005



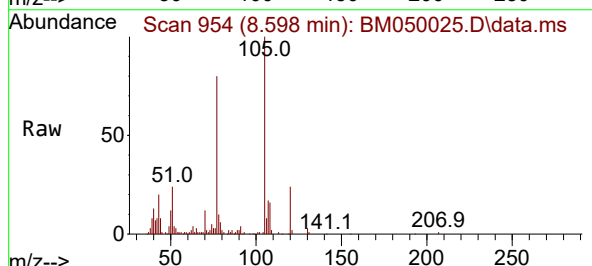
Tgt Ion:136 Resp: 815362
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 6.3 5.1 7.7
68 5.3 4.4 6.6

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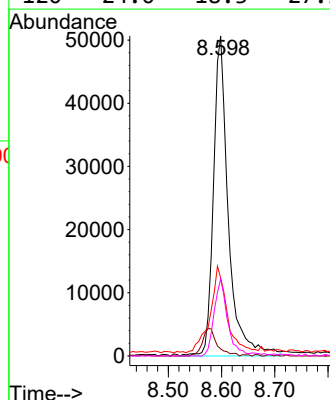
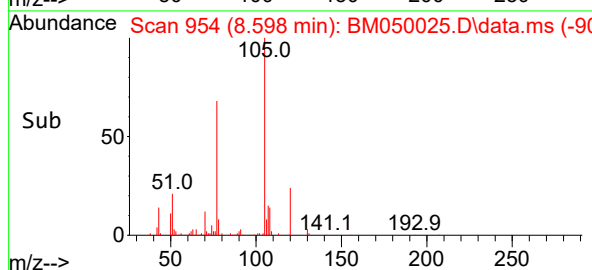
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

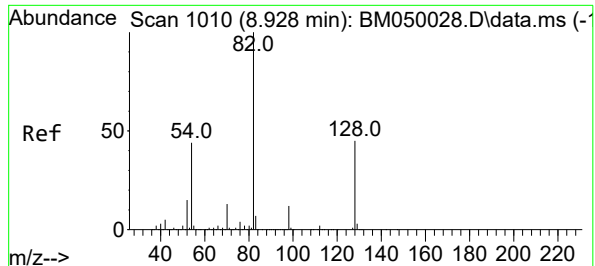


#22
Acetophenone
Concen: 4.852 ng
RT: 8.598 min Scan# 954
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09



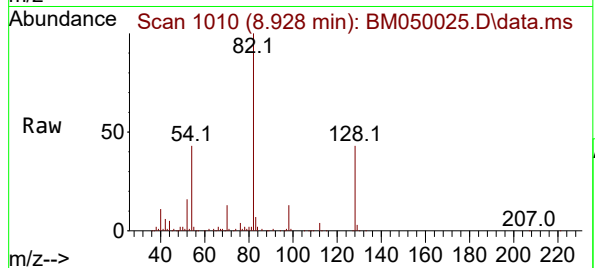
Tgt Ion:105 Resp: 98358
Ion Ratio Lower Upper
105 100
71 2.2 1.7 2.5
51 24.3 18.6 27.8
120 24.0 18.3 27.5





#23
Nitrobenzene-d5
Concen: 9.502 ng
RT: 8.928 min Scan# 1010
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

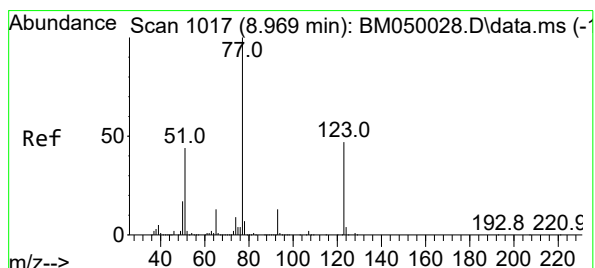
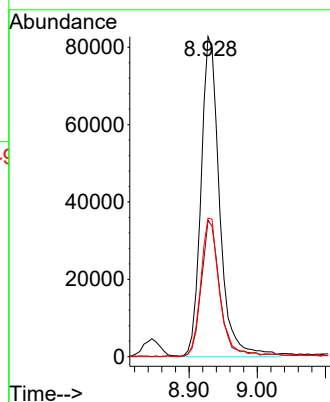
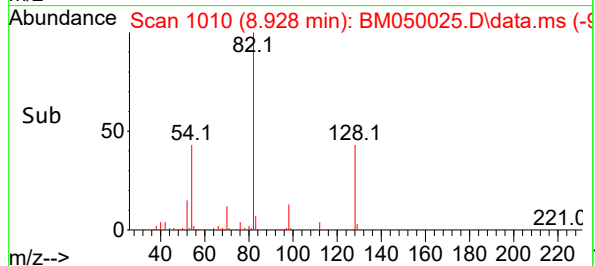
Instrument :
BNA_M
ClientSampleId :
SSTDICC005



Tgt Ion: 82 Resp: 15722
Ion Ratio Lower Upper
82 100
128 42.6 35.7 53.5
54 43.3 35.4 53.2

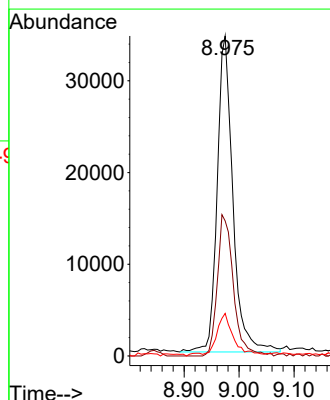
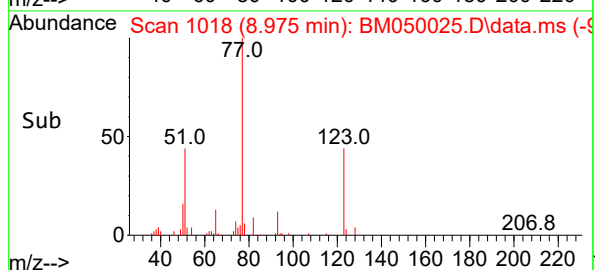
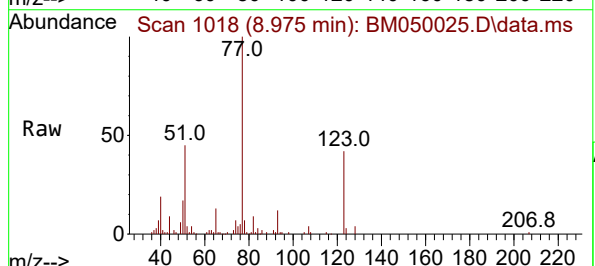
Manual Integrations
APPROVED

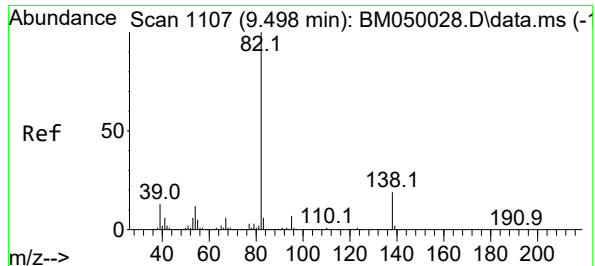
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#24
Nitrobenzene
Concen: 4.795 ng
RT: 8.975 min Scan# 1018
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

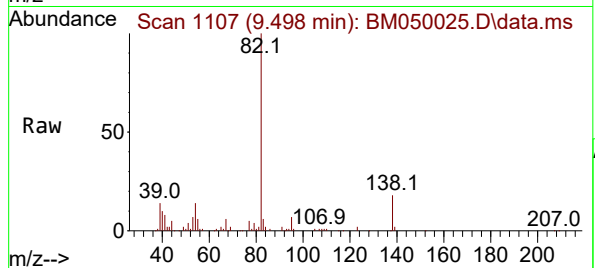
Tgt Ion: 77 Resp: 68598
Ion Ratio Lower Upper
77 100
123 42.2 37.9 56.9
65 13.3 10.1 15.1





#25
Isophorone
Concen: 4.816 ng
RT: 9.498 min Scan# 1107
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

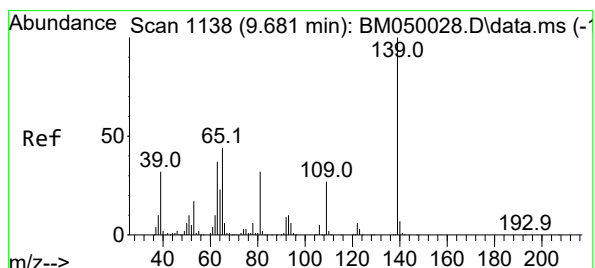
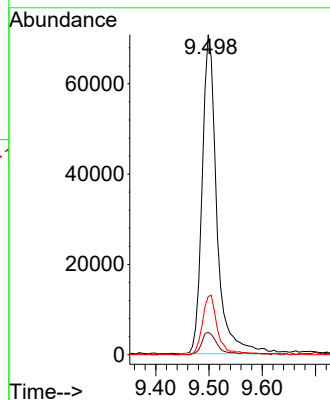
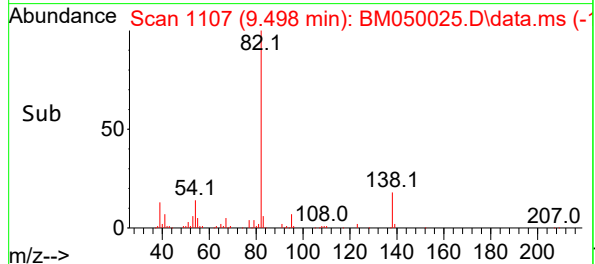
Instrument :
BNA_M
ClientSampleId :
SSTDICC005



Tgt Ion: 82 Resp: 135828
Ion Ratio Lower Upper
82 100
95 7.0 5.7 8.5
138 18.2 15.5 23.3

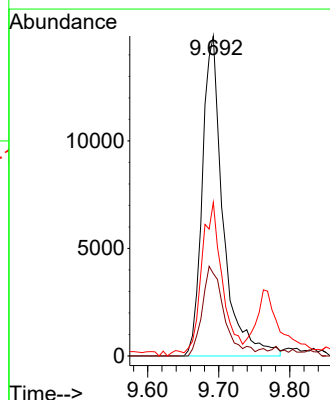
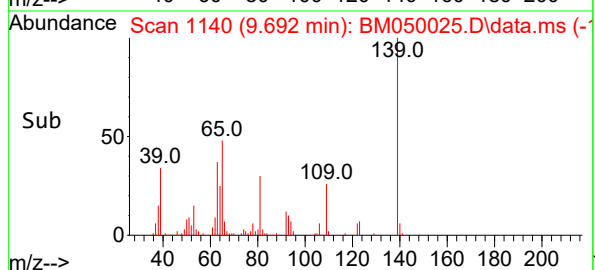
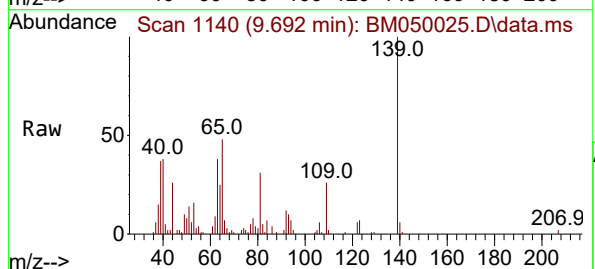
Manual Integrations
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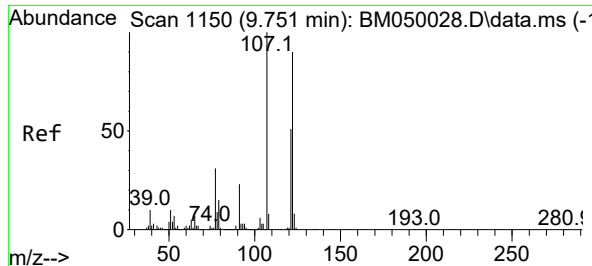
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#26
2-Nitrophenol
Concen: 4.140 ng
RT: 9.692 min Scan# 1140
Delta R.T. 0.012 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

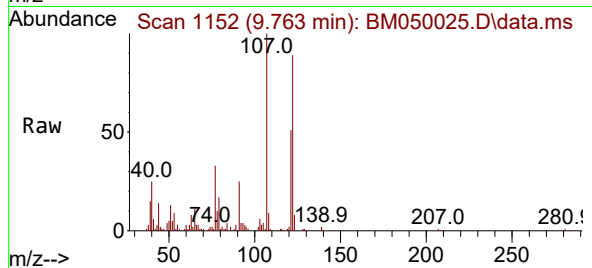
Tgt Ion:139 Resp: 30257
Ion Ratio Lower Upper
139 100
109 25.8 21.9 32.9
65 48.0 35.4 53.2





#27
2,4-Dimethylphenol
Concen: 4.427 ng
RT: 9.763 min Scan# 1150
Delta R.T. 0.012 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

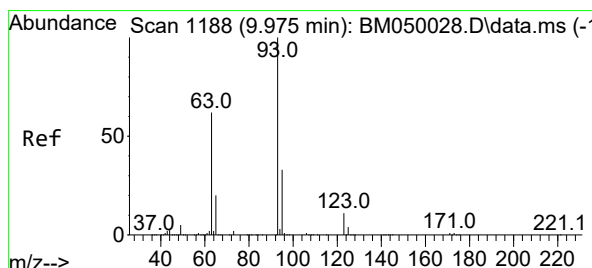
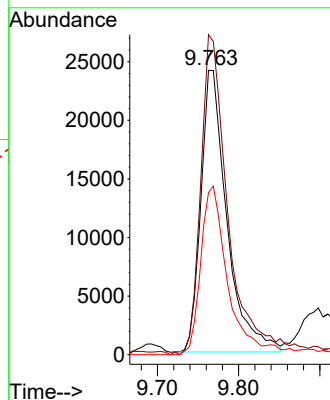
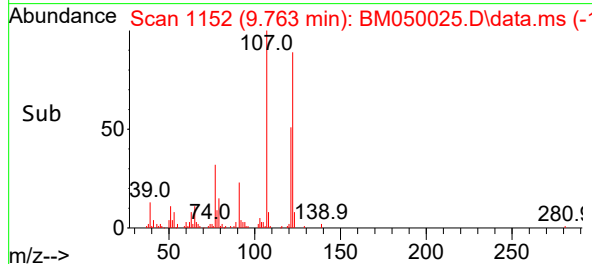
Instrument :
BNA_M
ClientSampleId :
SSTDICC005



Tgt Ion:122 Resp: 53660
Ion Ratio Lower Upper
122 100
107 112.5 89.0 133.6
121 57.0 45.6 68.4

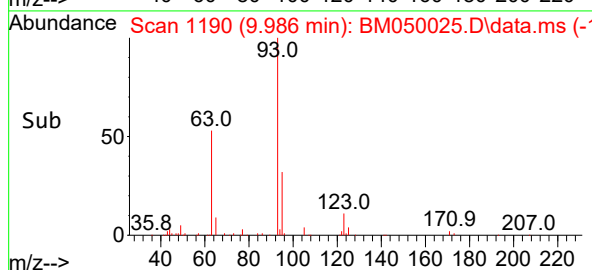
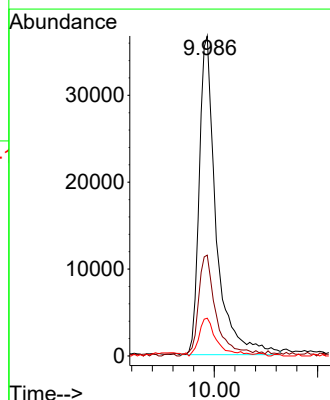
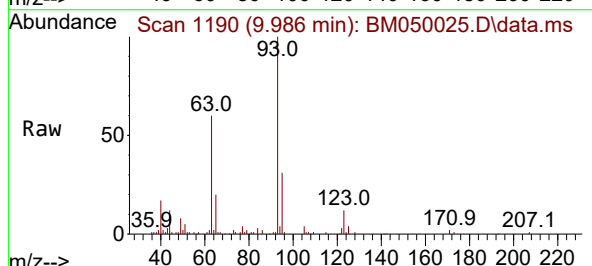
Manual Integrations
APPROVED

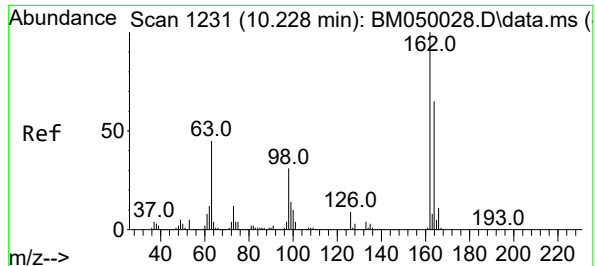
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#28
bis(2-Chloroethoxy)methane
Concen: 4.758 ng
RT: 9.986 min Scan# 1190
Delta R.T. 0.012 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

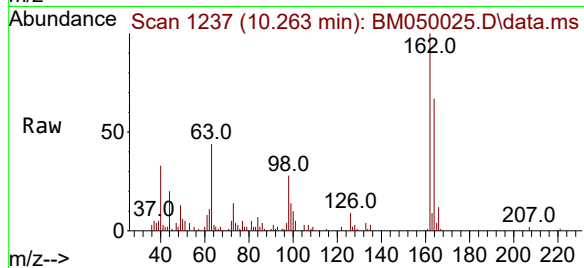
Tgt Ion: 93 Resp: 82947
Ion Ratio Lower Upper
93 100
95 31.5 26.1 39.1
123 11.8 9.5 14.3





#29
2,4-Dichlorophenol
Concen: 4.406 ng
RT: 10.263 min Scan# 1237
Delta R.T. 0.035 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

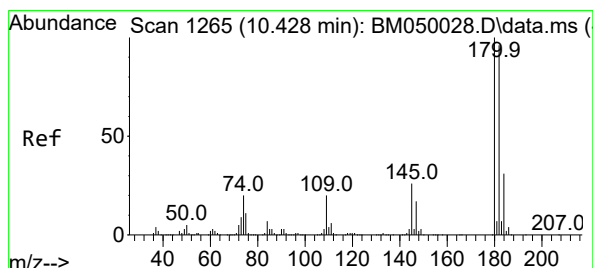
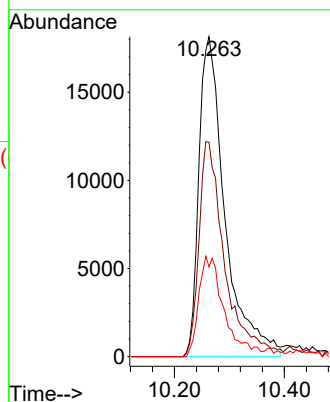
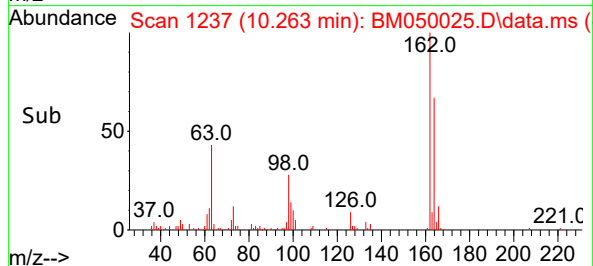
Instrument :
BNA_M
ClientSampleId :
SSTDICC005



Tgt Ion:162 Resp: 59828
Ion Ratio Lower Upper
162 100
164 67.0 45.4 85.4
98 28.1 11.3 51.3

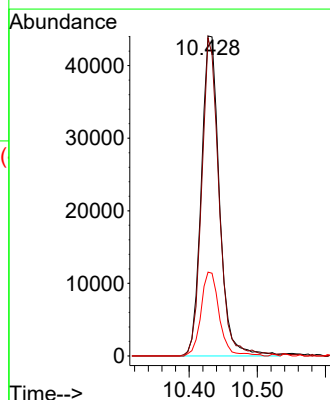
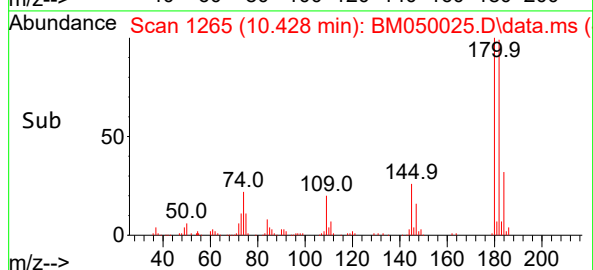
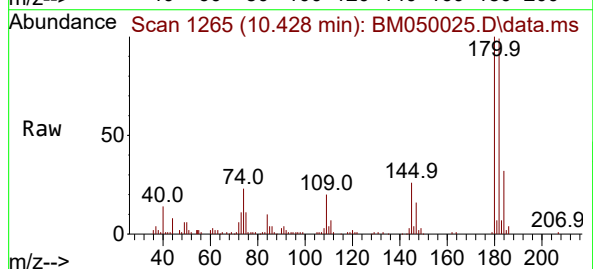
Manual Integrations
APPROVED

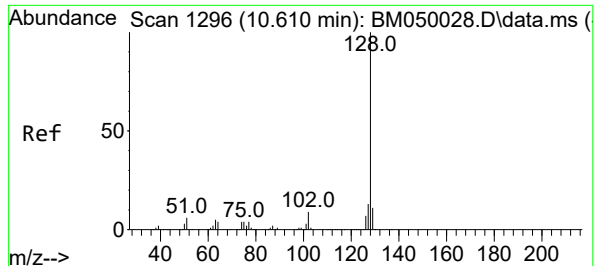
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#30
1,2,4-Trichlorobenzene
Concen: 4.934 ng
RT: 10.428 min Scan# 1265
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

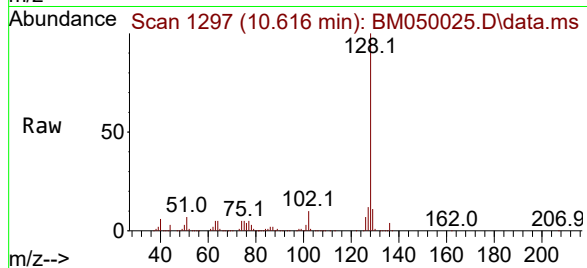
Tgt Ion:180 Resp: 81624
Ion Ratio Lower Upper
180 100
182 99.4 77.0 115.4
145 26.2 20.6 30.8





#31
Naphthalene
Concen: 4.944 ng
RT: 10.616 min Scan# 1296
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

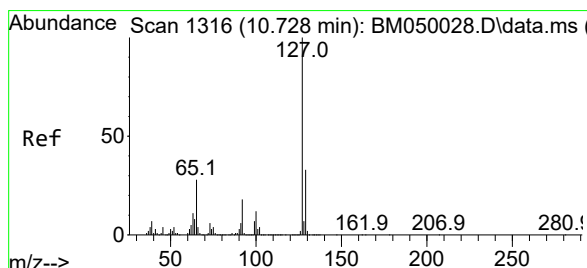
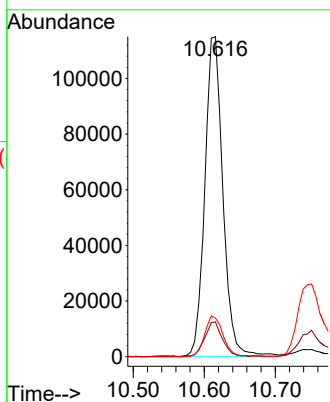
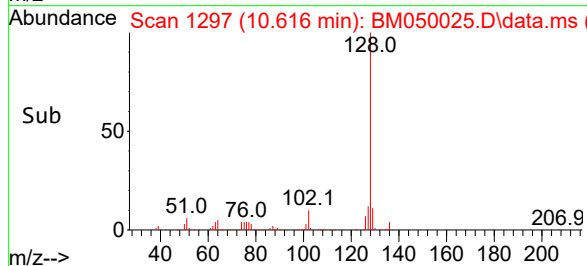
Instrument :
BNA_M
ClientSampleId :
SSTDICC005



Tgt Ion:128 Resp: 20413
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 12.0 10.4 15.6

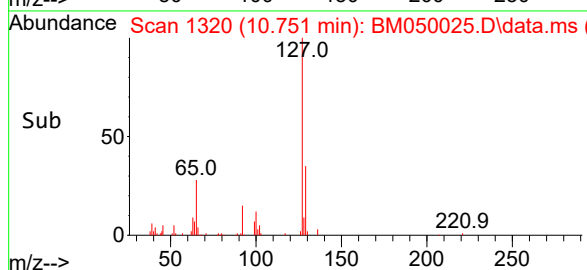
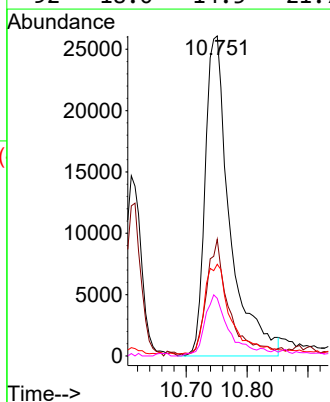
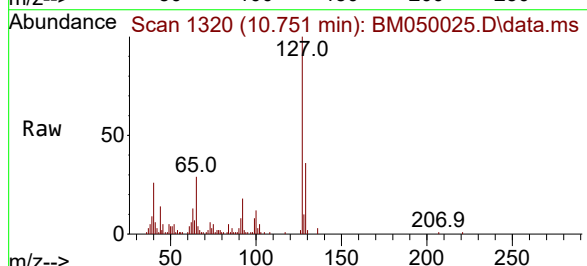
Manual Integrations
APPROVED

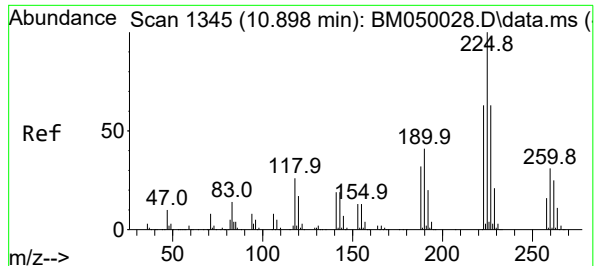
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#33
4-Chloroaniline
Concen: 4.345 ng
RT: 10.751 min Scan# 1320
Delta R.T. 0.023 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

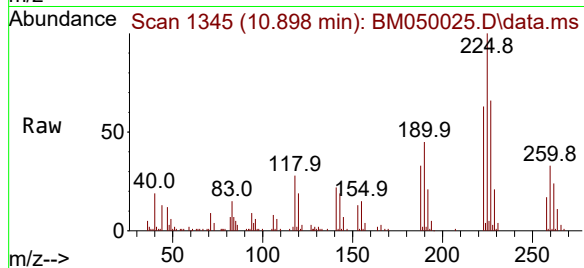
Tgt Ion:127 Resp: 73542
Ion Ratio Lower Upper
127 100
129 36.4 26.3 39.5
65 28.6 22.5 33.7
92 18.0 14.5 21.7





#34
Hexachlorobutadiene
Concen: 4.907 ng
RT: 10.898 min Scan# 1345
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

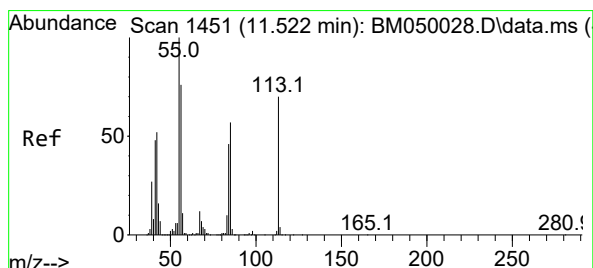
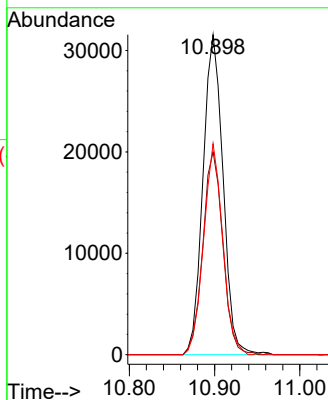
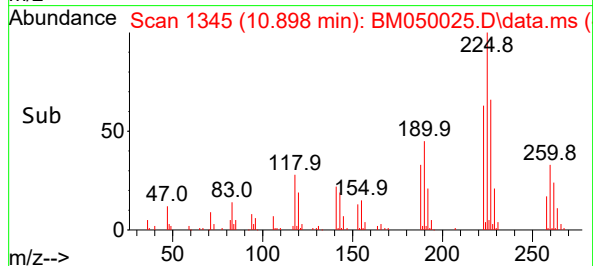
Instrument :
BNA_M
ClientSampleId :
SSTDICC005



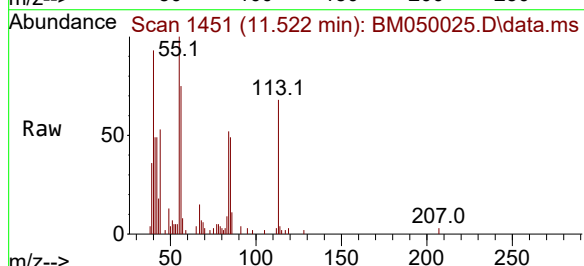
Tgt Ion:225 Resp: 51529
Ion Ratio Lower Upper
225 100
223 63.4 50.2 75.2
227 65.9 50.6 76.0

Manual Integrations
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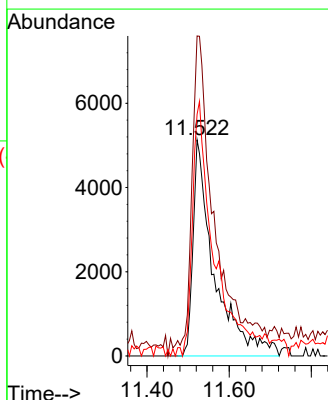
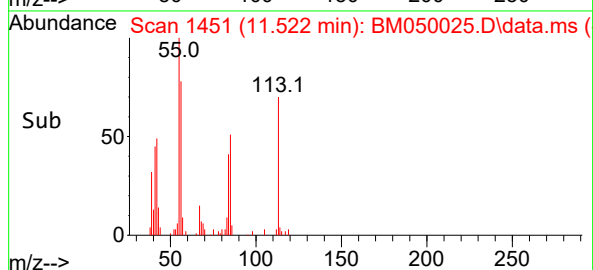
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

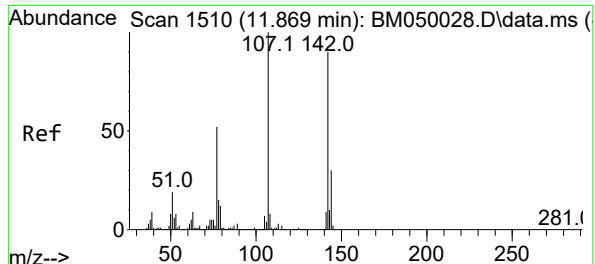


#35
Caprolactam
Concen: 4.634 ng m
RT: 11.522 min Scan# 1451
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09



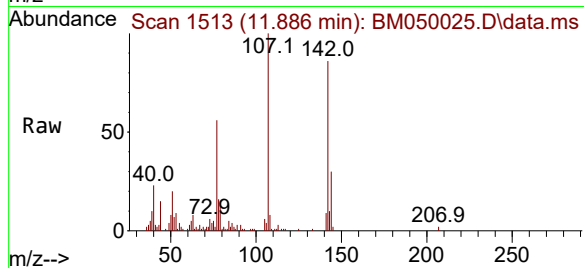
Tgt Ion:113 Resp: 18349
Ion Ratio Lower Upper
113 100
55 148.1 122.9 162.9
56 111.8 88.1 128.1





#36
4-Chloro-3-methylphenol
Concen: 4.690 ng
RT: 11.886 min Scan# 1513
Delta R.T. 0.018 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

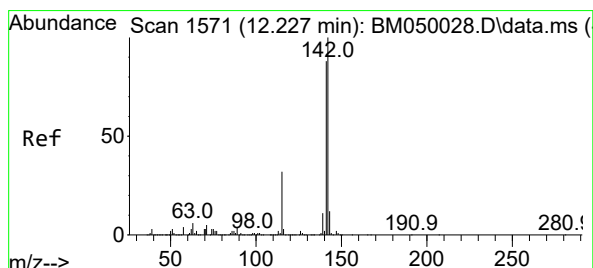
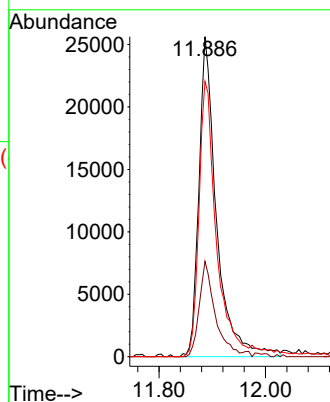
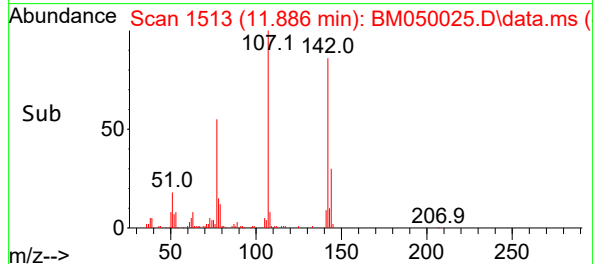
Instrument :
BNA_M
ClientSampleId :
SSTDICC005



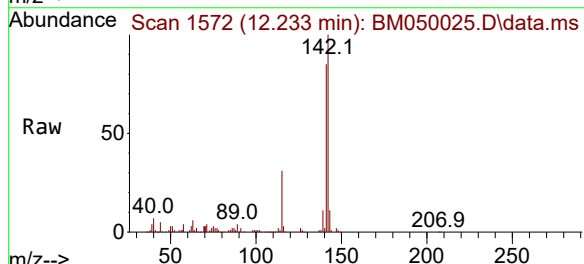
Tgt Ion:107 Resp: 5884
Ion Ratio Lower Upper
107 100
144 29.8 23.8 35.6
142 86.0 71.9 107.9

Manual Integrations
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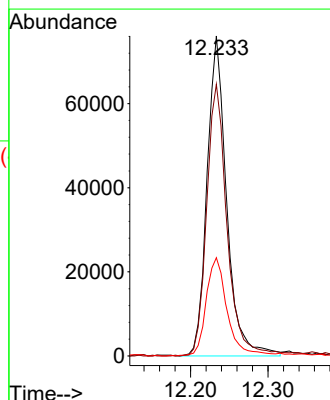
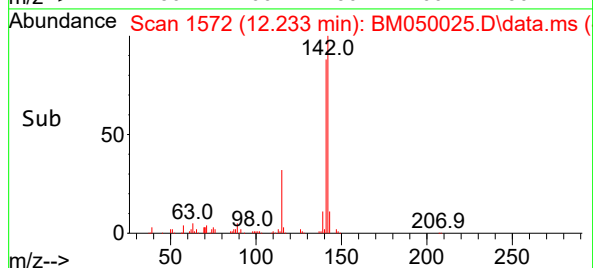
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

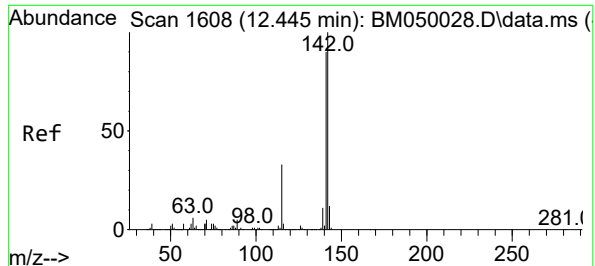


#37
2-Methylnaphthalene
Concen: 4.829 ng
RT: 12.233 min Scan# 1572
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09



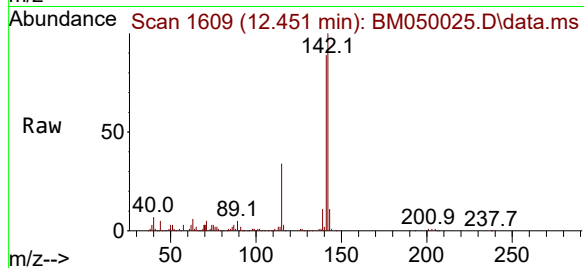
Tgt Ion:142 Resp: 133679
Ion Ratio Lower Upper
142 100
141 84.9 70.4 105.6
115 30.7 25.4 38.2





#38
1-Methylnaphthalene
Concen: 4.892 ng
RT: 12.451 min Scan# 1609
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

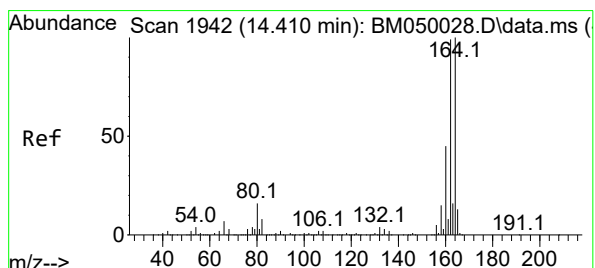
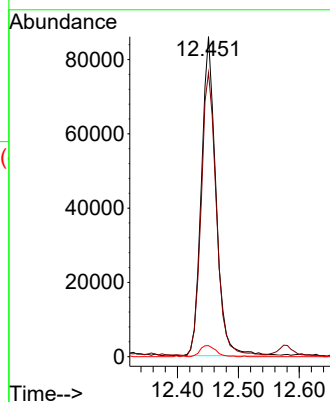
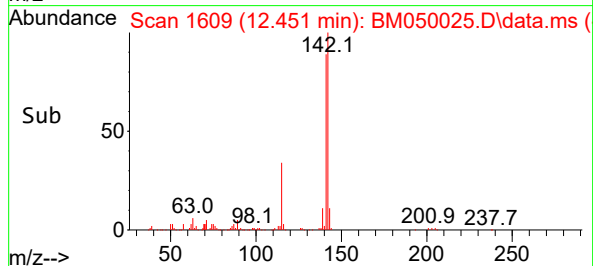
Instrument :
BNA_M
ClientSampleId :
SSTDICC005



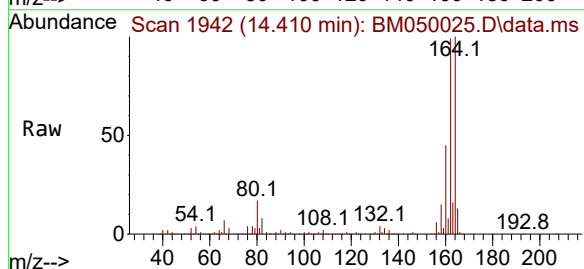
Tgt Ion:142 Resp: 143332
Ion Ratio Lower Upper
142 100
141 88.7 72.1 108.1
116 3.5 2.7 4.1

Manual Integrations
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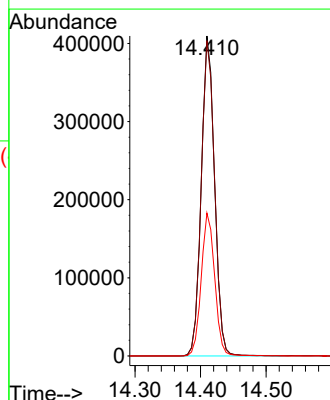
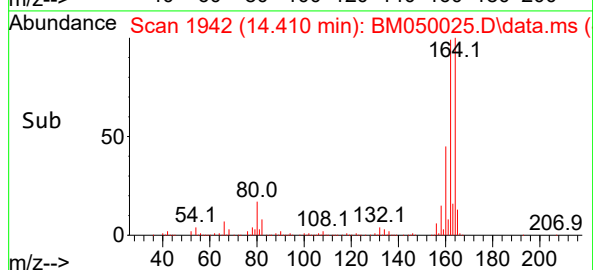
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

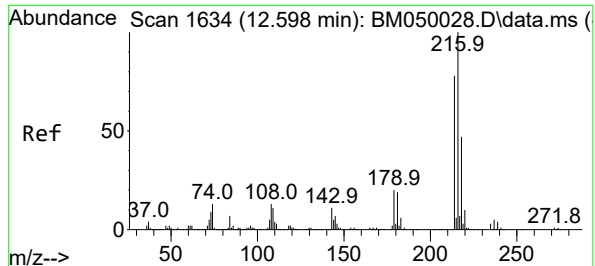


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09



Tgt Ion:164 Resp: 578294
Ion Ratio Lower Upper
164 100
162 98.6 79.4 119.0
160 44.6 36.2 54.4





#40

1,2,4,5-Tetrachlorobenzene

Concen: 4.504 ng

RT: 12.604 min Scan# 1

Delta R.T. 0.006 min

Lab File: BM050025.D

Acq: 28 Apr 2025 13:09

Instrument :

BNA_M

ClientSampleId :

SSTDICC005

Tgt Ion:216 Resp: 9016

Ion Ratio Lower Upper

216 100

214 79.1 62.3 93.5

179 20.2 15.4 23.0

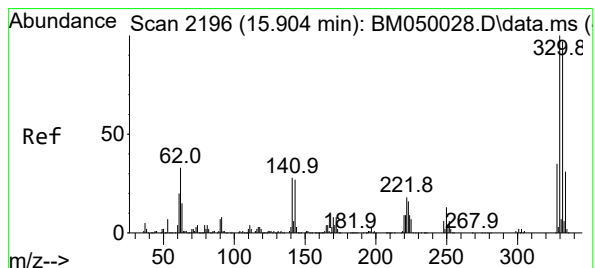
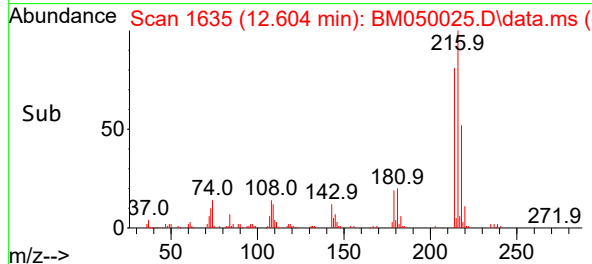
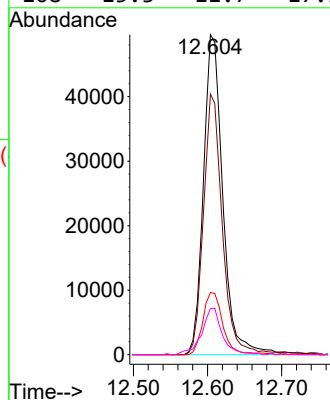
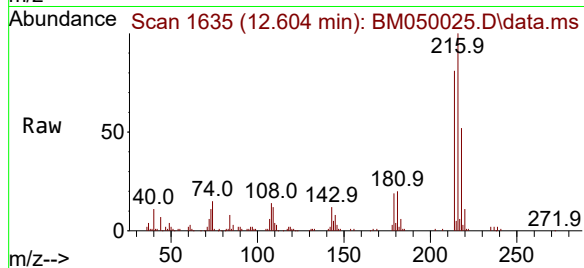
108 15.3 11.7 17.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/29/2025

Supervised By :Jagrut Upadhyay 04/29/2025



#42

2,4,6-Tribromophenol

Concen: 8.560 ng

RT: 15.910 min Scan# 2197

Delta R.T. 0.006 min

Lab File: BM050025.D

Acq: 28 Apr 2025 13:09

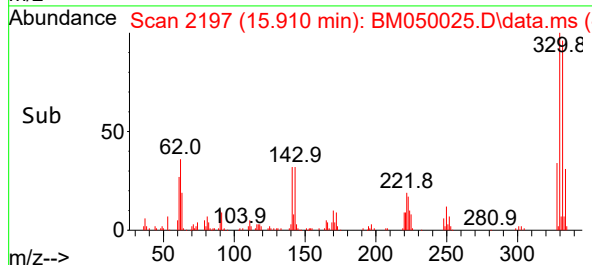
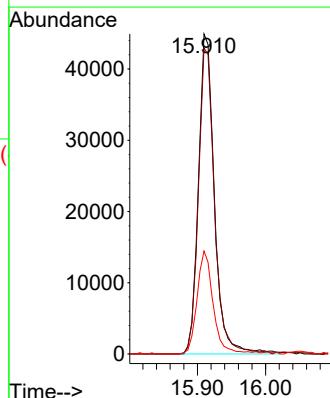
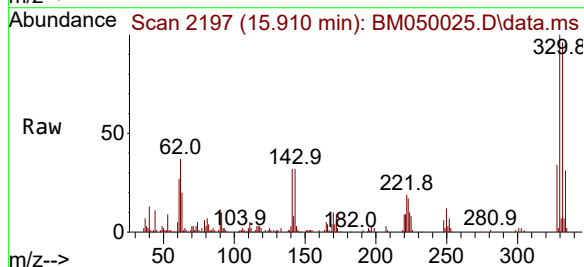
Tgt Ion:330 Resp: 73192

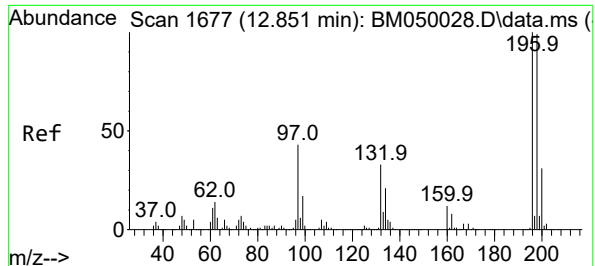
Ion Ratio Lower Upper

330 100

332 96.1 77.3 115.9

141 32.6 22.5 33.7





#43

2,4,6-Trichlorophenol

Concen: 4.233 ng

RT: 12.863 min Scan# 1678

Delta R.T. 0.012 min

Lab File: BM050025.D

Acq: 28 Apr 2025 13:09

Instrument :

BNA_M

ClientSampleId :

SSTDICC005

Tgt Ion:196 Resp: 53748

Ion Ratio Lower Upper

196 100

198 102.6 79.0 118.6

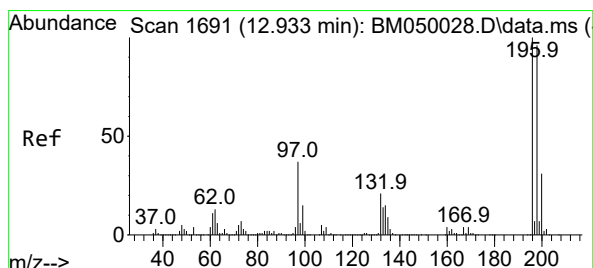
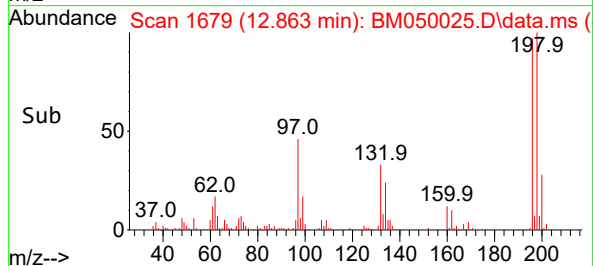
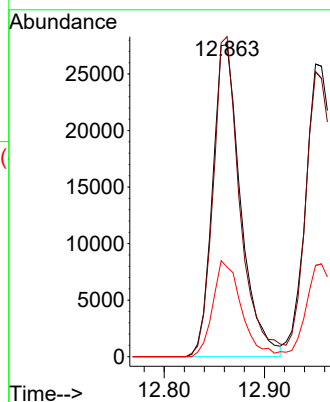
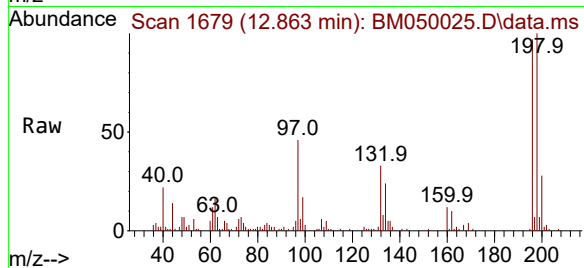
200 28.7 25.1 37.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/29/2025

Supervised By :Jagrut Upadhyay 04/29/2025



#44

2,4,5-Trichlorophenol

Concen: 4.325 ng

RT: 12.951 min Scan# 1694

Delta R.T. 0.018 min

Lab File: BM050025.D

Acq: 28 Apr 2025 13:09

Tgt Ion:196 Resp: 59224

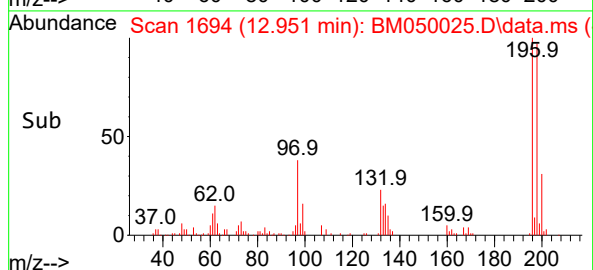
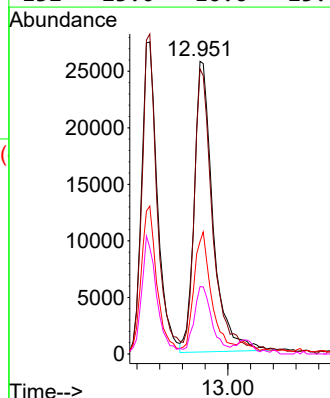
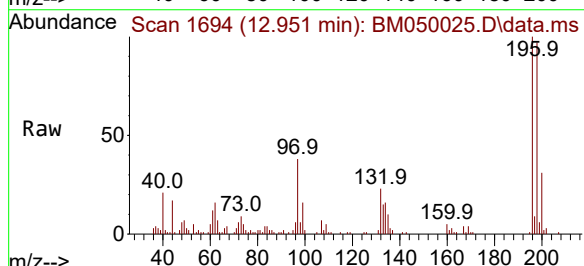
Ion Ratio Lower Upper

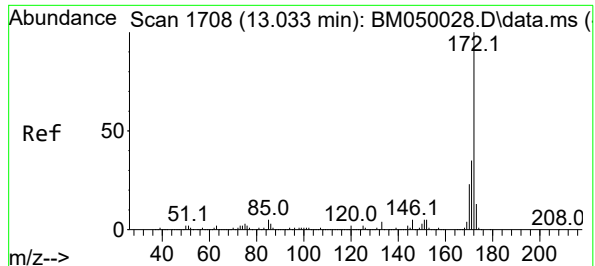
196 100

198 97.4 76.7 115.1

97 38.4 30.1 45.1

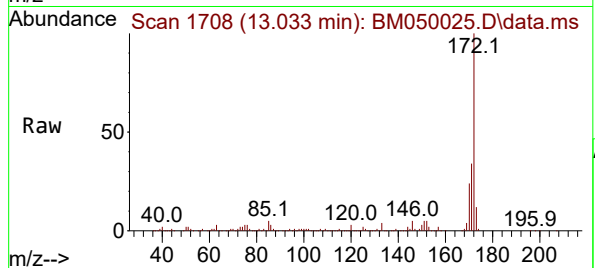
132 23.0 16.6 25.0





#45
2-Fluorobiphenyl
Concen: 9.390 ng
RT: 13.033 min Scan# 1708
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

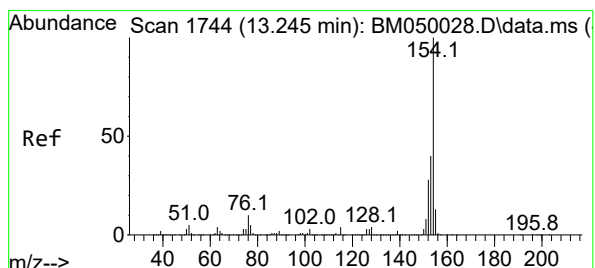
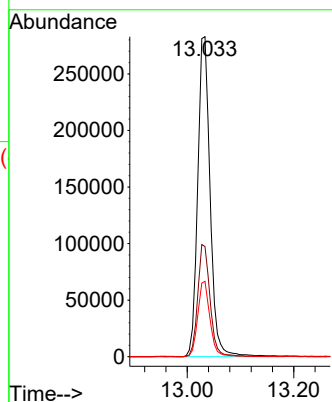
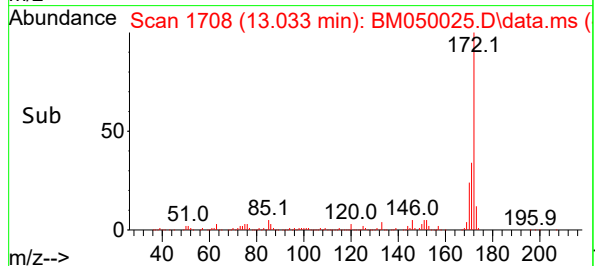
Instrument :
BNA_M
ClientSampleId :
SSTDICC005



Tgt Ion:172 Resp: 45903
Ion Ratio Lower Upper
172 100
171 34.4 27.8 41.6
170 23.5 18.6 28.0

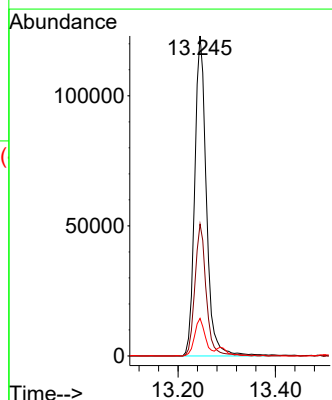
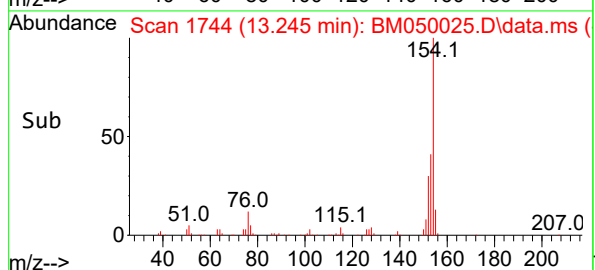
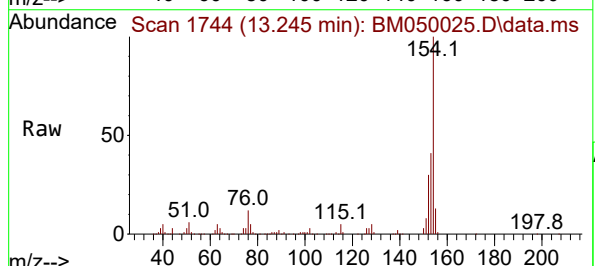
Manual Integrations
APPROVED

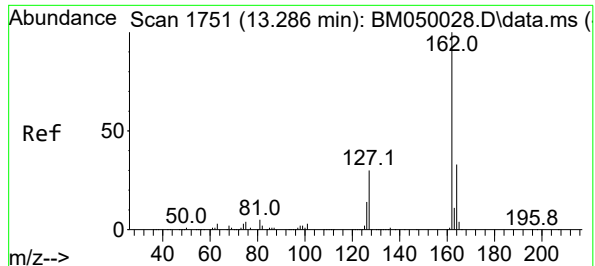
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#46
1,1'-Biphenyl
Concen: 4.799 ng
RT: 13.245 min Scan# 1744
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

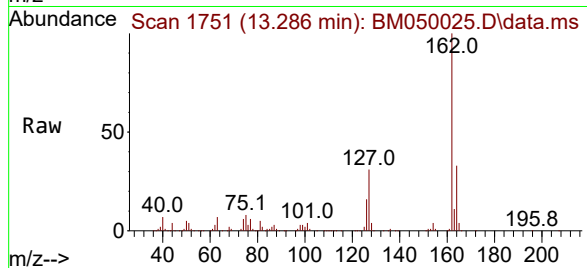
Tgt Ion:154 Resp: 206296
Ion Ratio Lower Upper
154 100
153 41.2 20.0 60.0
76 11.8 0.0 30.3





#47
2-Chloronaphthalene
Concen: 4.782 ng
RT: 13.286 min Scan# 1751
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

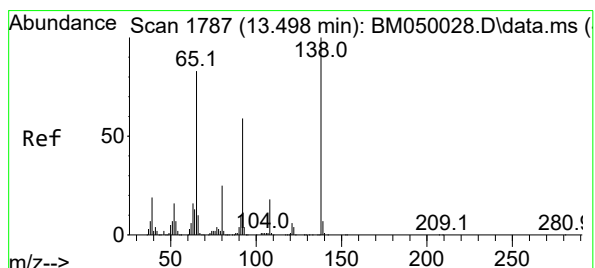
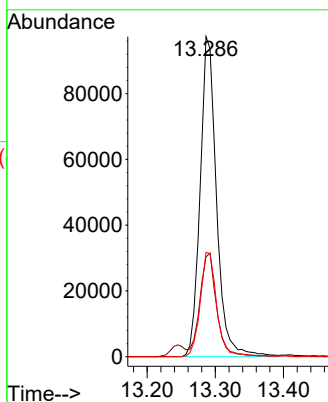
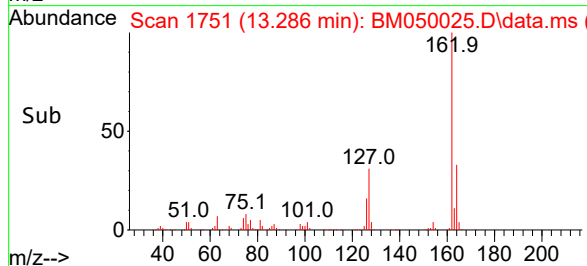
Instrument :
BNA_M
ClientSampleId :
SSTDICC005



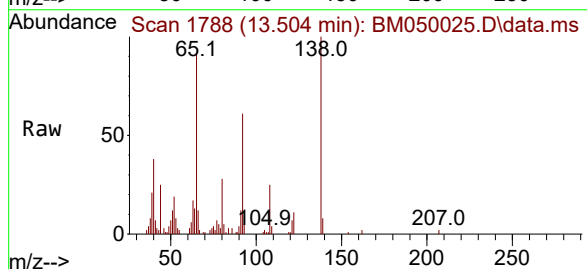
Tgt Ion:162 Resp: 16280
Ion Ratio Lower Upper
162 100
127 31.2 25.9 38.9
164 32.6 26.6 40.0

Manual Integrations
APPROVED

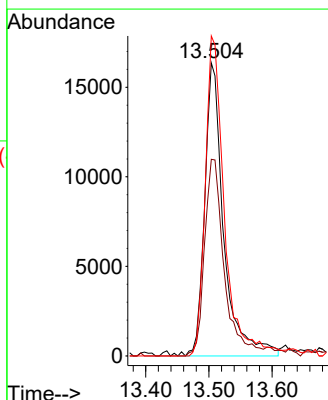
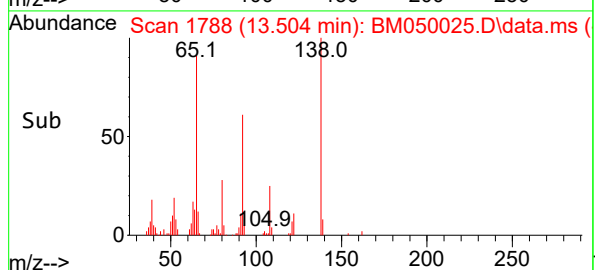
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

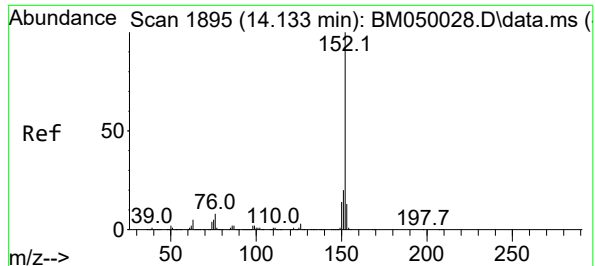


#48
2-Nitroaniline
Concen: 4.299 ng
RT: 13.504 min Scan# 1788
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09



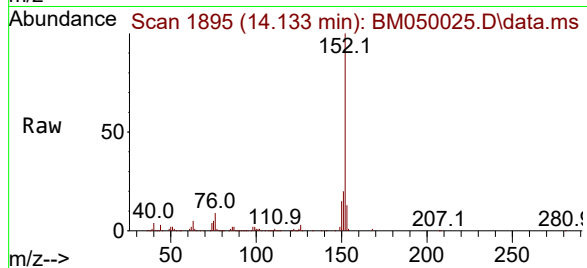
Tgt Ion: 65 Resp: 34348
Ion Ratio Lower Upper
65 100
92 67.1 57.1 85.7
138 109.2 97.0 145.4





#49
Acenaphthylene
Concen: 4.832 ng
RT: 14.133 min Scan# 1895
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

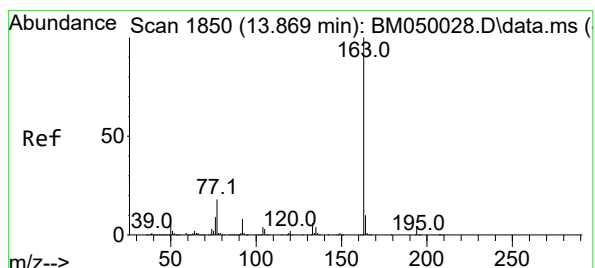
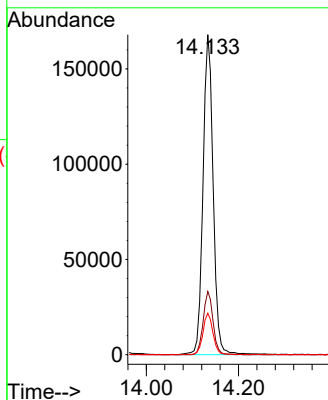
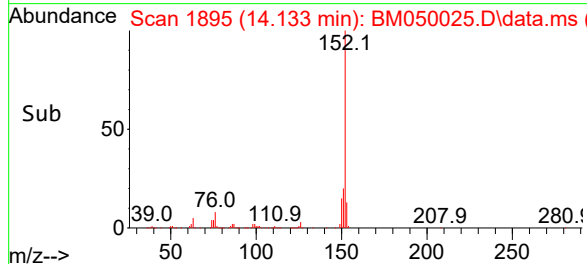
Instrument :
BNA_M
ClientSampleId :
SSTDICC005



Tgt Ion:152 Resp: 259400
Ion Ratio Lower Upper
152 100
151 19.8 15.8 23.8
153 12.9 10.6 15.8

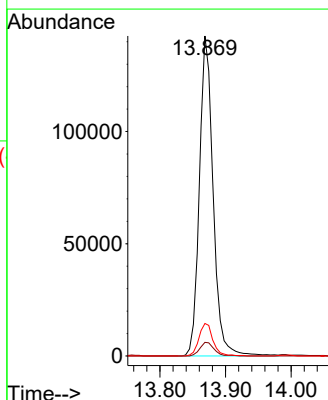
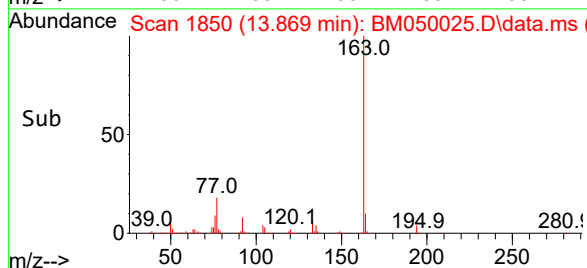
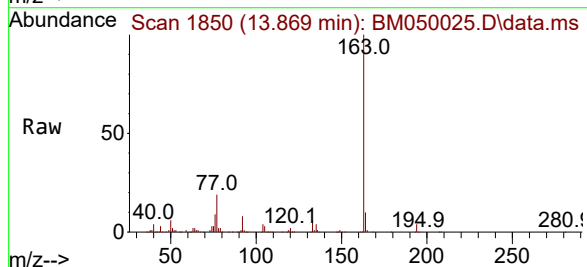
Manual Integrations
APPROVED

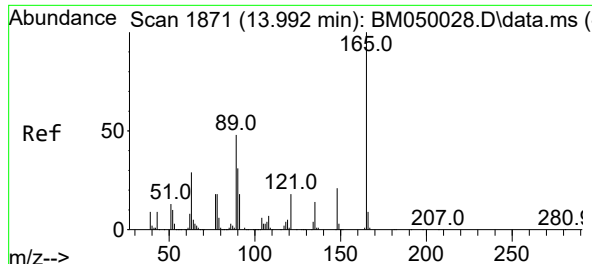
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#50
Dimethylphthalate
Concen: 4.941 ng
RT: 13.869 min Scan# 1850
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

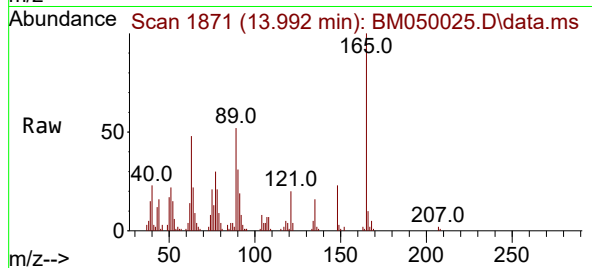
Tgt Ion:163 Resp: 208800
Ion Ratio Lower Upper
163 100
194 4.3 3.4 5.2
164 10.2 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 4.395 ng
RT: 13.992 min Scan# 1871
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

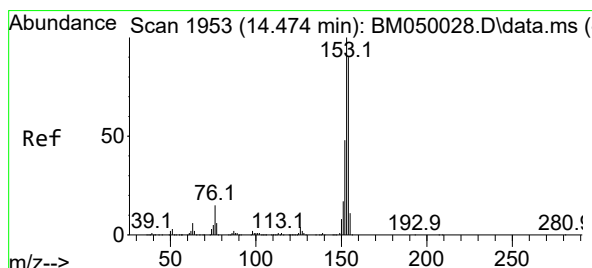
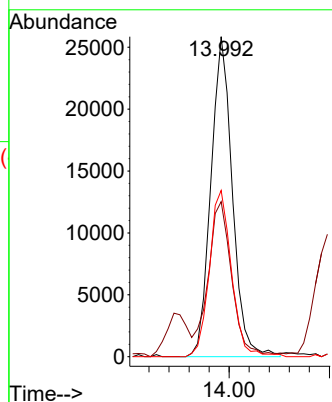
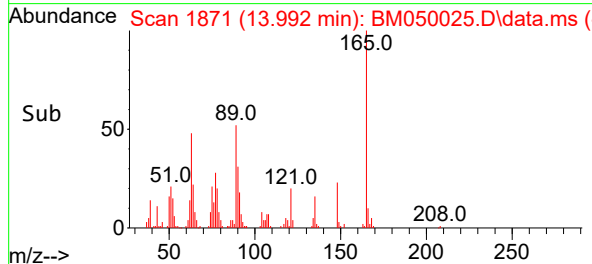
Instrument :
BNA_M
ClientSampleId :
SSTDICC005



Tgt Ion:165 Resp: 3845
Ion Ratio Lower Upper
165 100
63 48.5 35.1 52.7
89 51.9 38.4 57.6

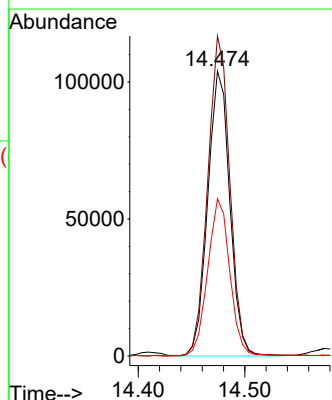
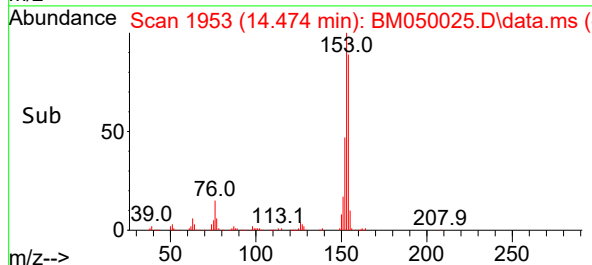
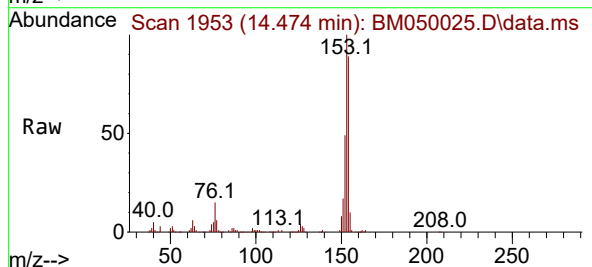
Manual Integrations
APPROVED

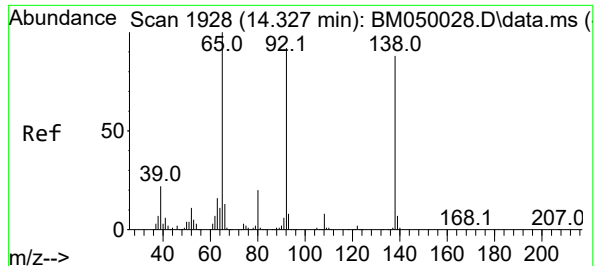
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#52
Acenaphthene
Concen: 4.829 ng
RT: 14.474 min Scan# 1953
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

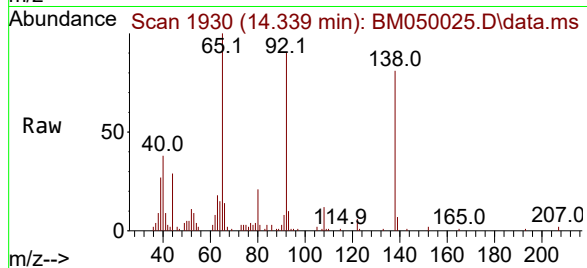
Tgt Ion:154 Resp: 150042
Ion Ratio Lower Upper
154 100
153 112.3 89.0 133.4
152 55.2 43.0 64.6





#53
3-Nitroaniline
Concen: 4.036 ng
RT: 14.339 min Scan# 1928
Delta R.T. 0.012 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

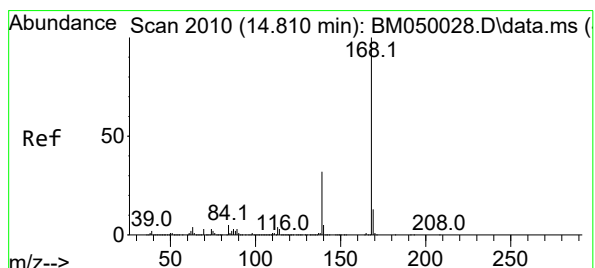
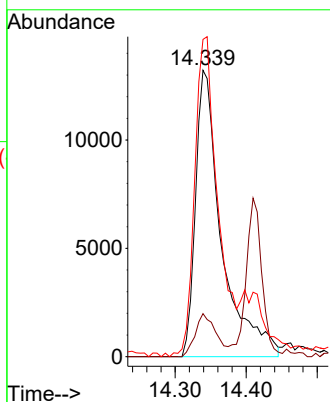
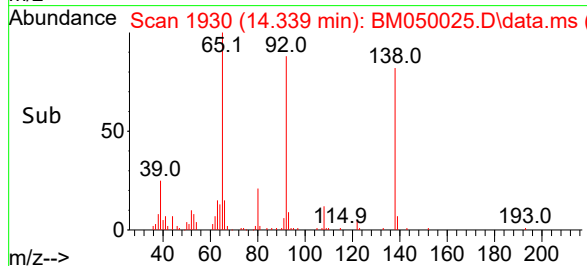
Instrument :
BNA_M
ClientSampleId :
SSTDICC005



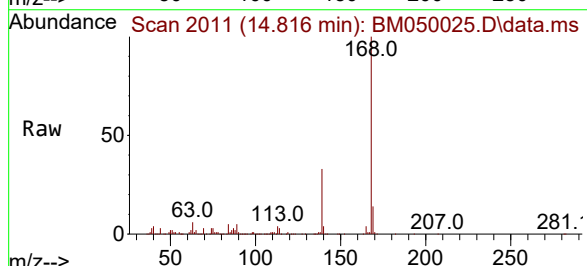
Tgt Ion:138 Resp: 3371
Ion Ratio Lower Upper
138 100
108 15.1 7.4 11.2
92 110.8 84.0 126.0

Manual Integrations
APPROVED

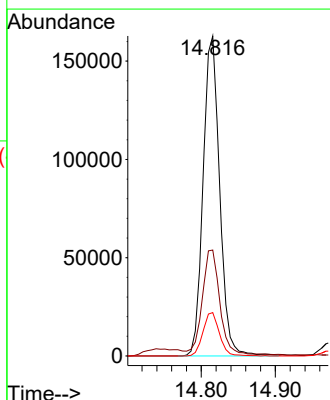
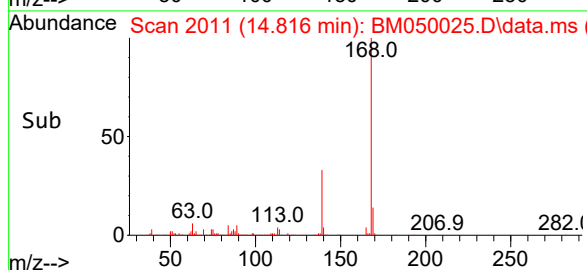
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

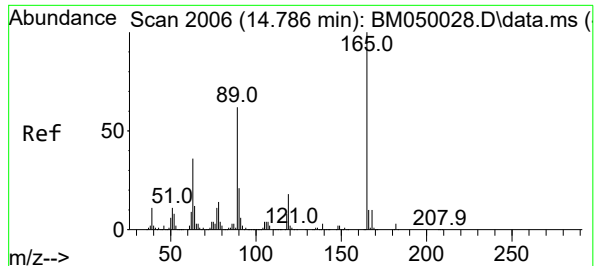


#55
Dibenzofuran
Concen: 4.892 ng
RT: 14.816 min Scan# 2011
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09



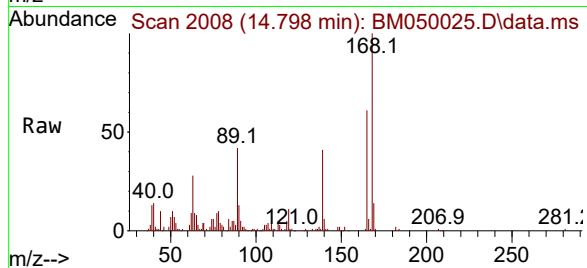
Tgt Ion:168 Resp: 252898
Ion Ratio Lower Upper
168 100
139 33.1 26.1 39.1
169 13.5 10.8 16.2





#57
2,4-Dinitrotoluene
Concen: 4.044 ng
RT: 14.798 min Scan# 2006
Delta R.T. 0.012 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

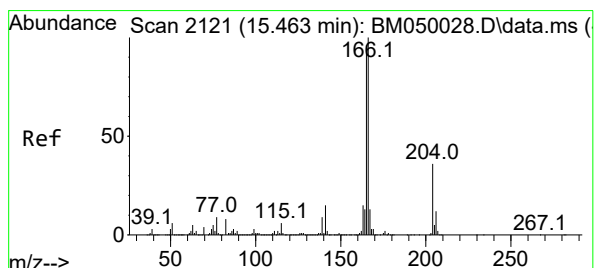
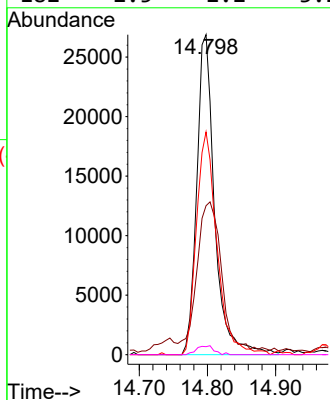
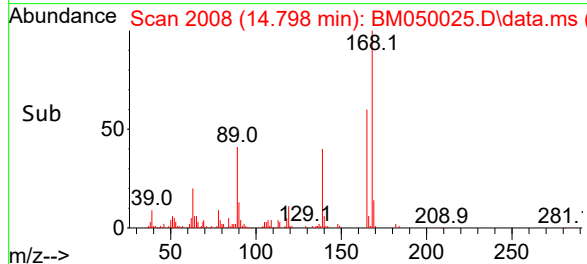
Instrument :
BNA_M
ClientSampleId :
SSTDICC005



Tgt Ion:165 Resp: 4890
Ion Ratio Lower Upper
165 100
63 46.6 29.0 43.6
89 69.6 49.4 74.2
182 2.5 2.2 3.2

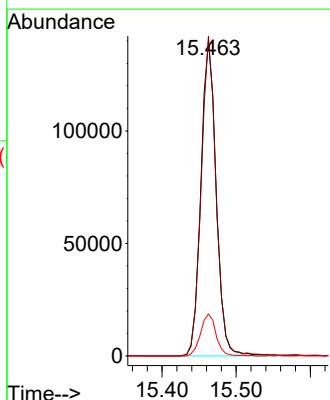
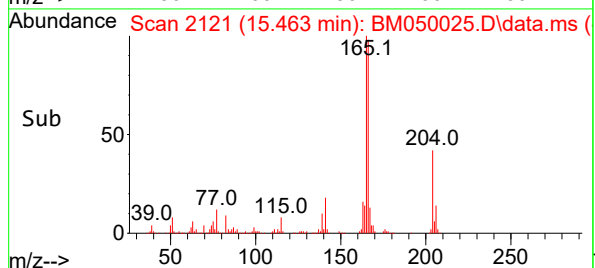
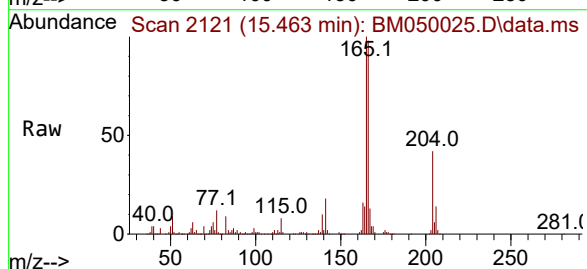
Manual Integrations
APPROVED

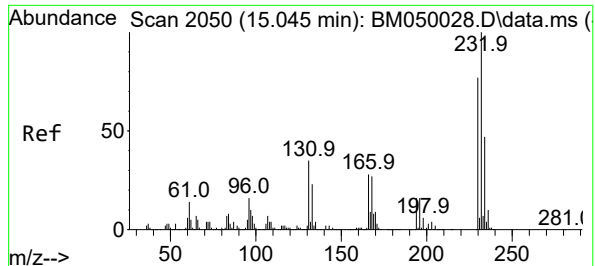
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#58
Fluorene
Concen: 4.739 ng
RT: 15.463 min Scan# 2121
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

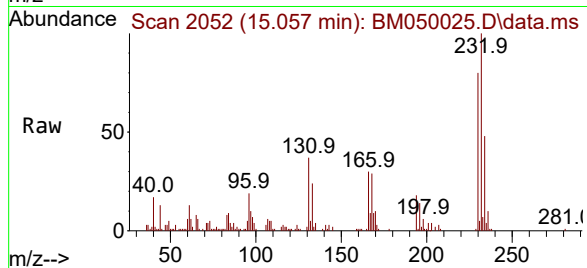
Tgt Ion:166 Resp: 200542
Ion Ratio Lower Upper
166 100
165 101.8 76.6 115.0
167 13.4 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 4.463 ng
RT: 15.057 min Scan# 2052
Delta R.T. 0.012 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

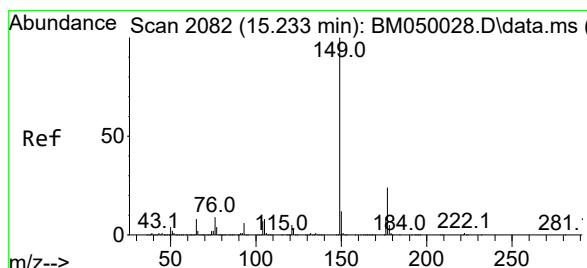
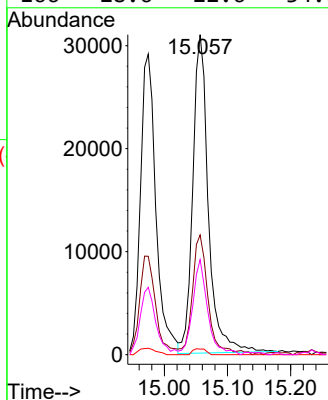
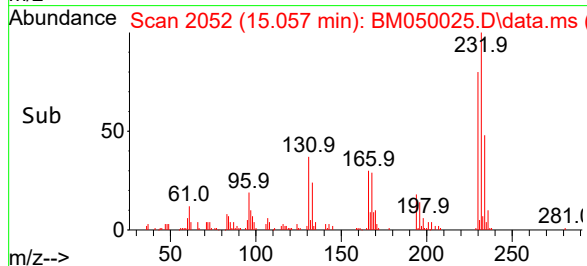
Instrument :
BNA_M
ClientSampleId :
SSTDICC005



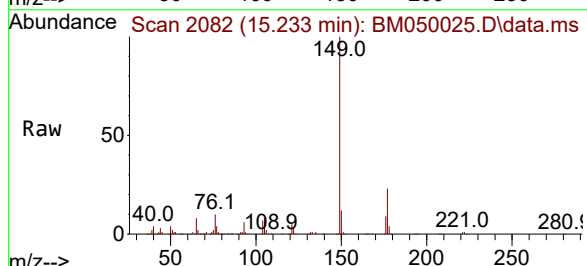
Tgt Ion:232 Resp: 5289
Ion Ratio Lower Upper
232 100
131 38.0 28.2 42.4
130 1.6 1.5 2.3
166 28.6 22.6 34.0

Manual Integrations
APPROVED

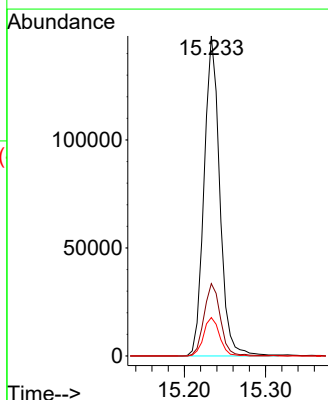
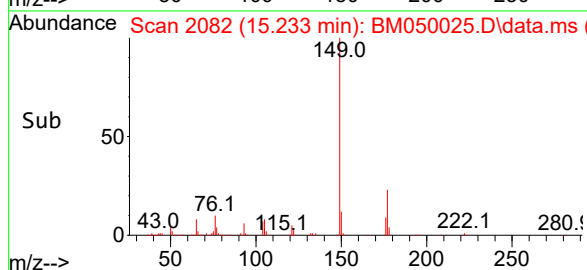
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

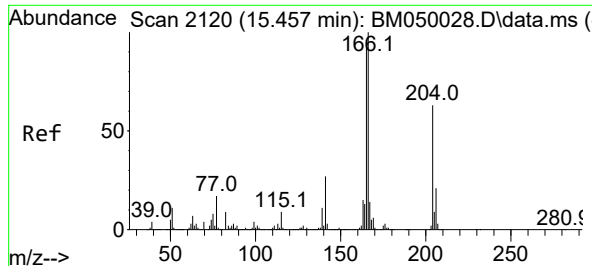


#60
Diethylphthalate
Concen: 4.981 ng
RT: 15.233 min Scan# 2082
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09



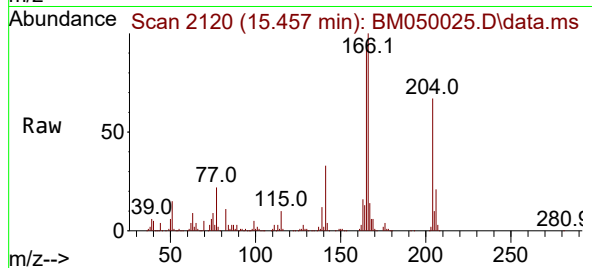
Tgt Ion:149 Resp: 198362
Ion Ratio Lower Upper
149 100
177 22.6 19.1 28.7
150 12.0 9.6 14.4





#61
4-Chlorophenyl-phenylether
Concen: 4.607 ng
RT: 15.457 min Scan# 2120
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

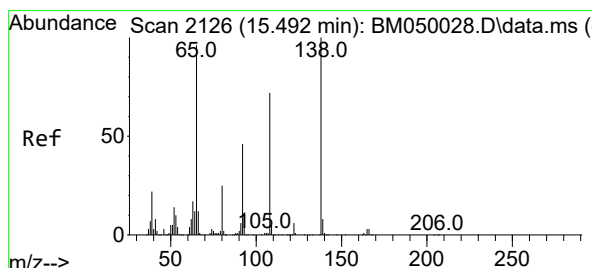
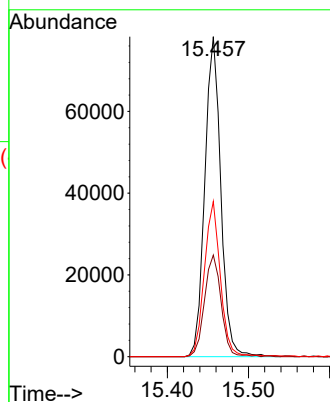
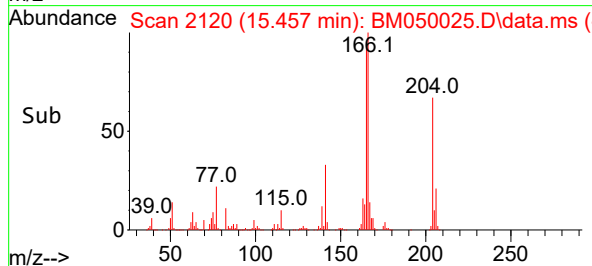
Instrument :
BNA_M
ClientSampleId :
SSTDICC005



Tgt Ion:204 Resp: 10708
Ion Ratio Lower Upper
204 100
206 31.7 26.3 39.5
141 48.5 34.0 51.0

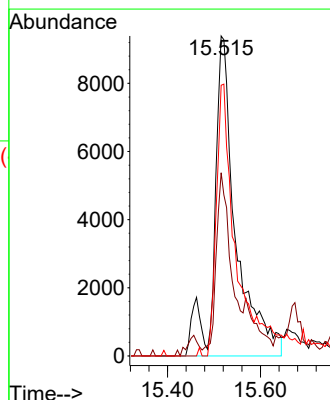
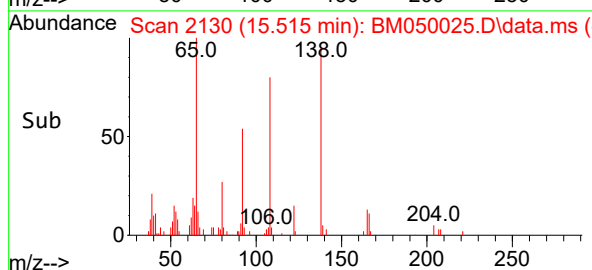
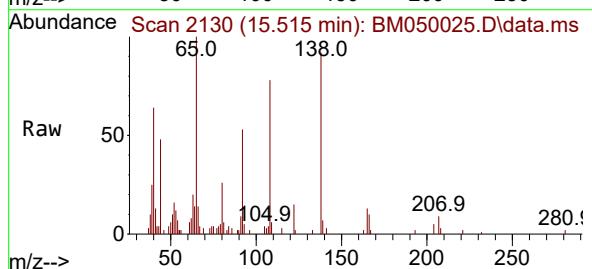
Manual Integrations
APPROVED

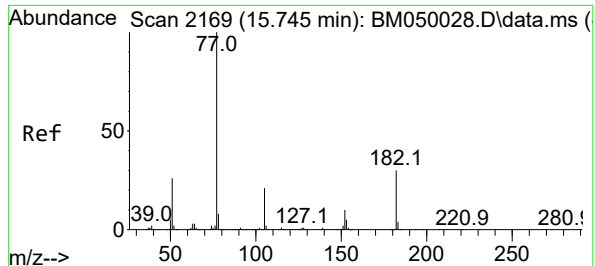
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#62
4-Nitroaniline
Concen: 3.737 ng m
RT: 15.515 min Scan# 2130
Delta R.T. 0.023 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

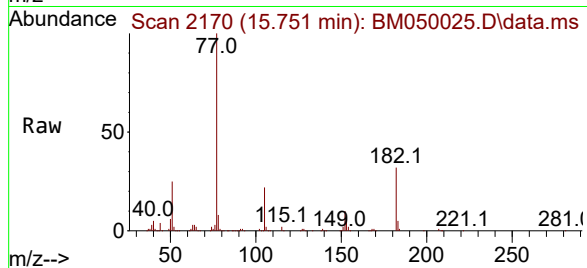
Tgt Ion:138 Resp: 30138
Ion Ratio Lower Upper
138 100
92 57.3 25.9 65.9
108 84.6 52.4 92.4





#63
Azobenzene
Concen: 4.844 ng
RT: 15.751 min Scan# 2169
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

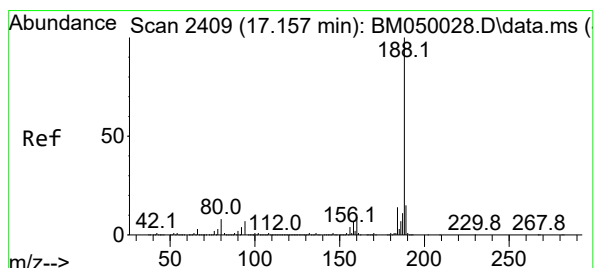
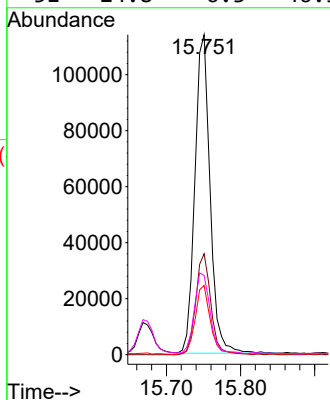
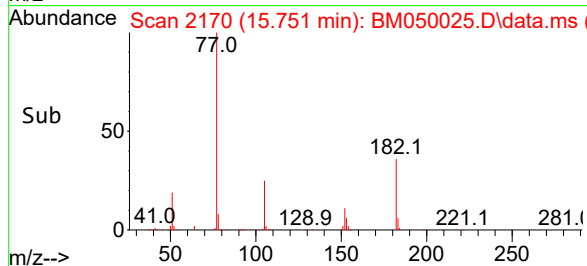
Instrument :
BNA_M
ClientSampleId :
SSTDICC005



Tgt Ion: 77 Resp: 161662
Ion Ratio Lower Upper
77 100
182 31.6 10.5 50.5
105 21.7 1.1 41.1
51 24.8 6.3 46.3

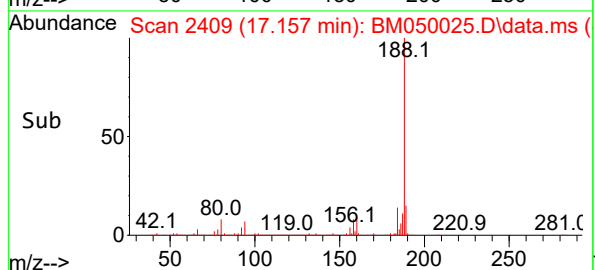
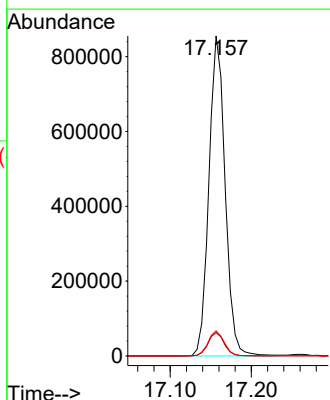
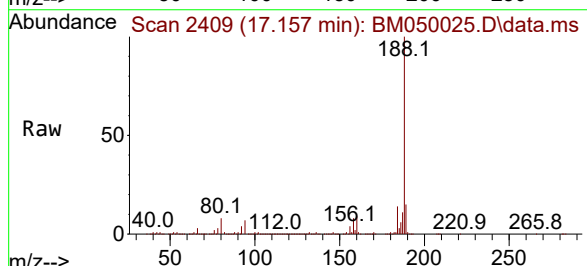
Manual Integrations
APPROVED

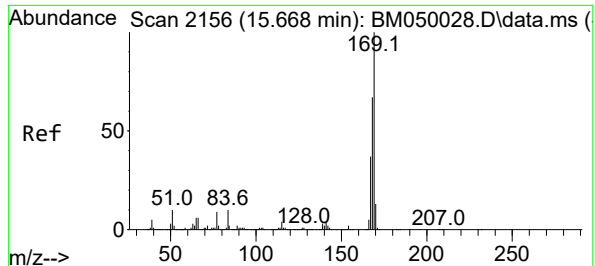
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2409
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

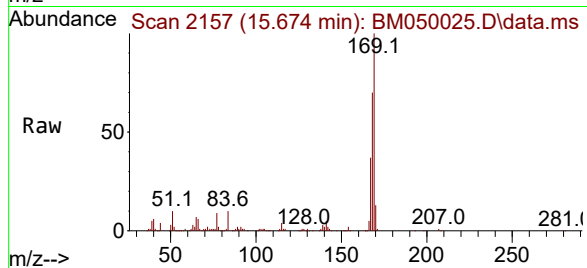
Tgt Ion:188 Resp: 1183325
Ion Ratio Lower Upper
188 100
94 7.3 5.7 8.5
80 7.9 6.2 9.4





#66
n-Nitrosodiphenylamine
Concen: 4.723 ng
RT: 15.674 min Scan# 2156
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

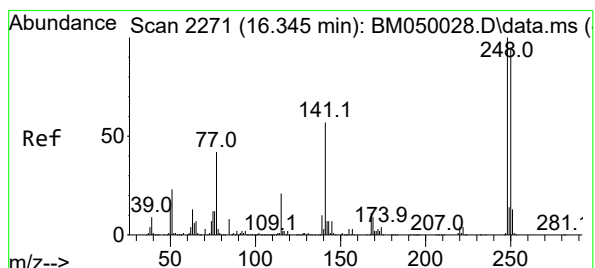
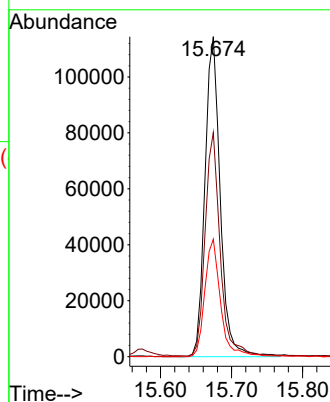
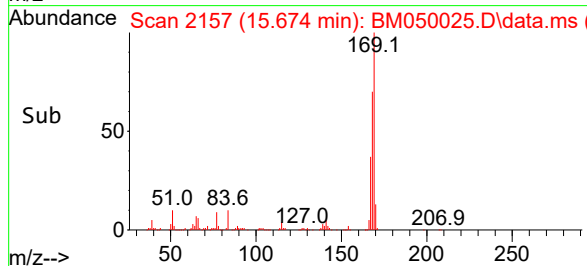
Instrument :
BNA_M
ClientSampleId :
SSTDICC005



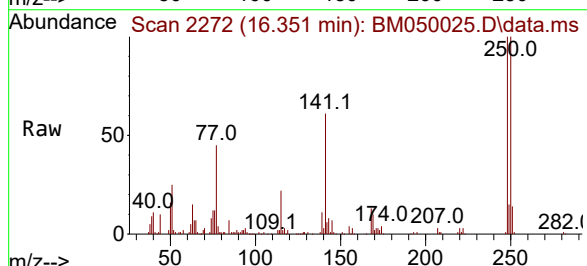
Tgt Ion:169 Resp: 171608
Ion Ratio Lower Upper
169 100
168 70.0 53.4 80.2
167 36.7 29.4 44.0

Manual Integrations
APPROVED

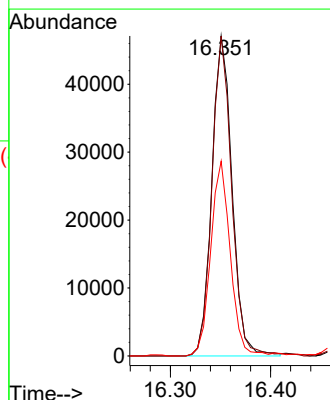
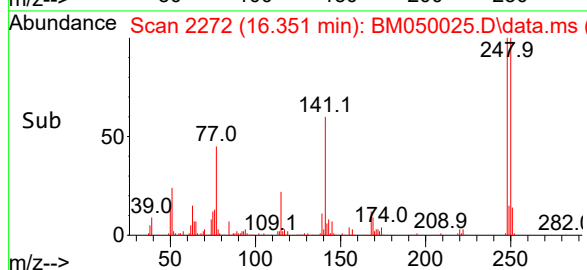
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

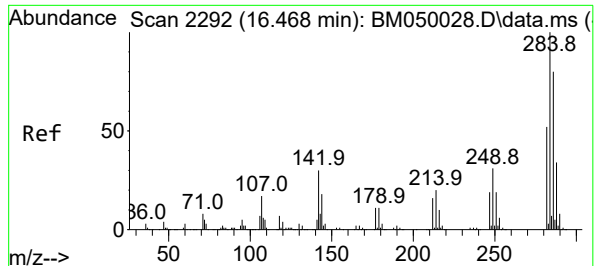


#67
4-Bromophenyl-phenylether
Concen: 4.612 ng
RT: 16.351 min Scan# 2272
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09



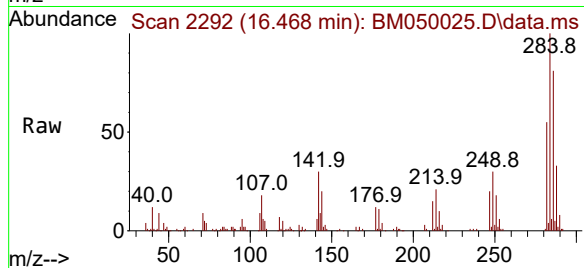
Tgt Ion:248 Resp: 66000
Ion Ratio Lower Upper
248 100
250 99.9 76.2 114.2
141 60.8 45.9 68.9





#68
Hexachlorobenzene
Concen: 4.759 ng
RT: 16.468 min Scan# 2292
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

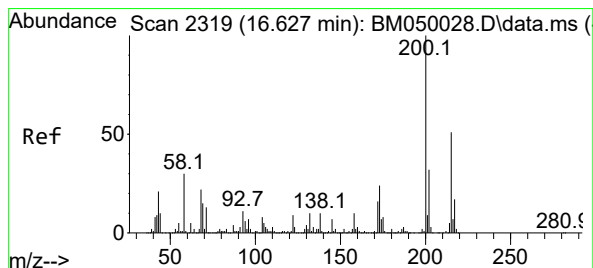
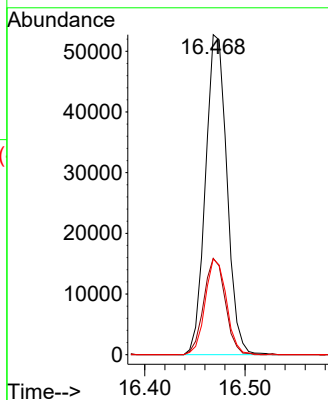
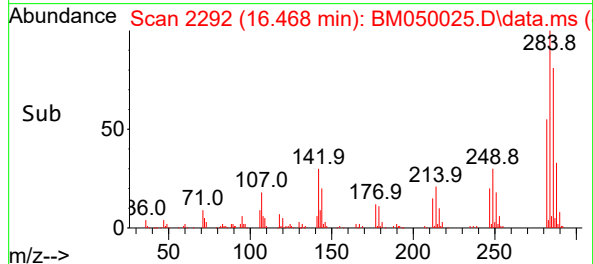
Instrument :
BNA_M
ClientSampleId :
SSTDICC005



Tgt Ion:284 Resp: 78500
Ion Ratio Lower Upper
284 100
142 30.1 23.9 35.9
249 29.9 24.5 36.7

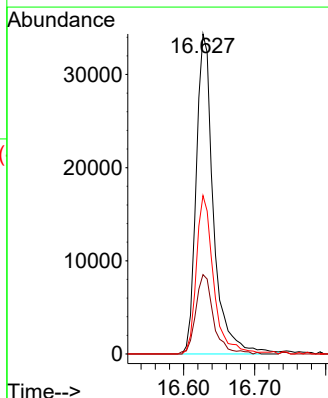
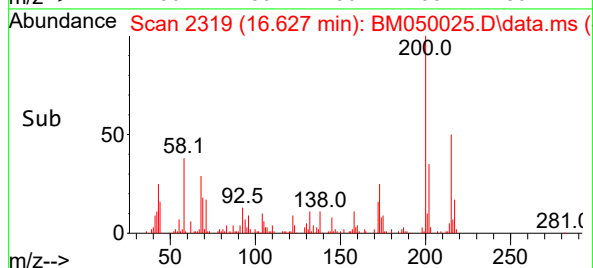
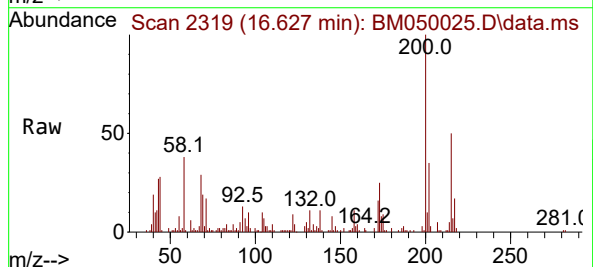
Manual Integrations
APPROVED

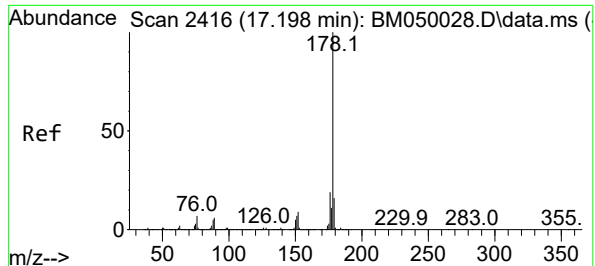
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#69
Atrazine
Concen: 4.433 ng
RT: 16.627 min Scan# 2319
Delta R.T. 0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

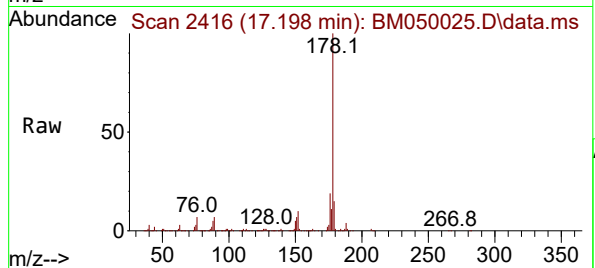
Tgt Ion:200 Resp: 58110
Ion Ratio Lower Upper
200 100
173 24.8 4.3 44.3
215 49.5 30.6 70.6





#71
Phenanthrene
Concen: 4.764 ng
RT: 17.198 min Scan# 2416
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

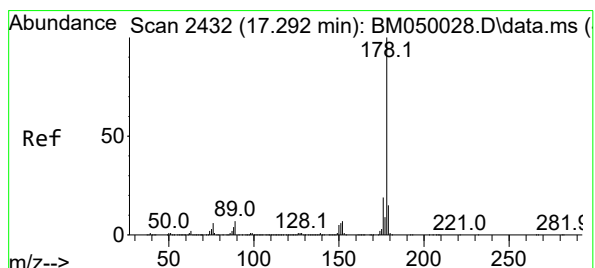
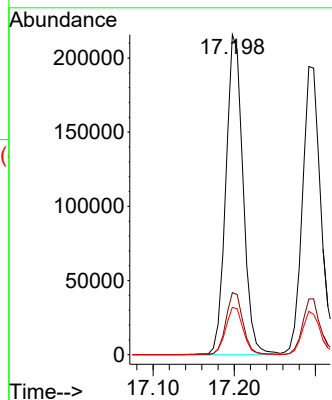
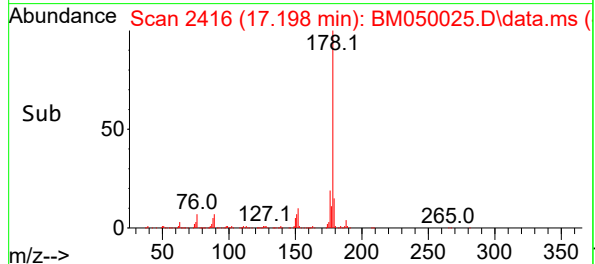
Instrument :
BNA_M
ClientSampleId :
SSTDICC005



Tgt Ion:178 Resp: 317954
Ion Ratio Lower Upper
178 100
176 19.4 15.3 22.9
179 14.8 12.4 18.6

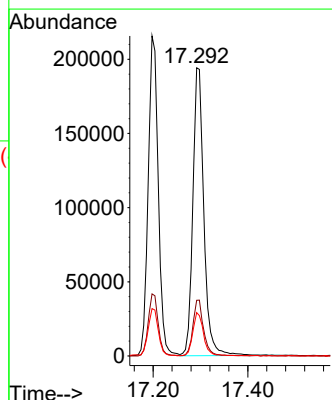
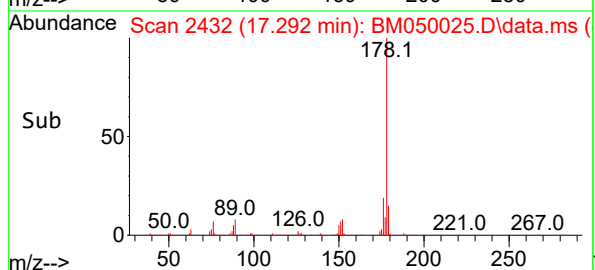
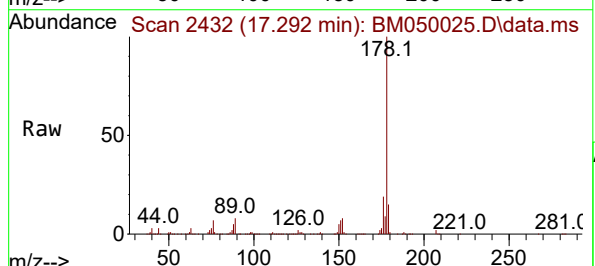
Manual Integrations
APPROVED

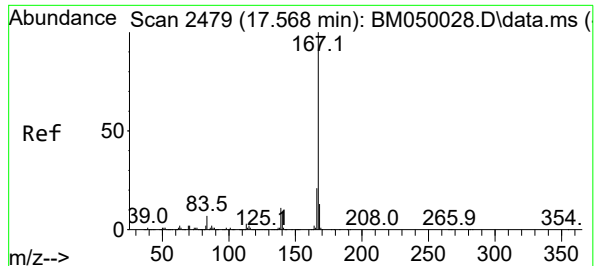
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#72
Anthracene
Concen: 4.651 ng
RT: 17.292 min Scan# 2432
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

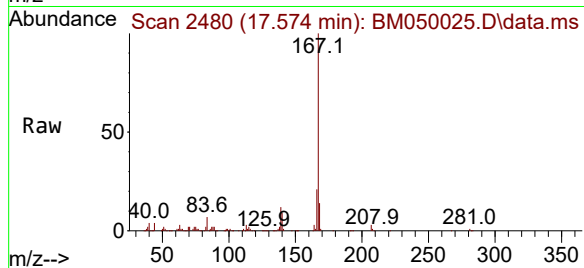
Tgt Ion:178 Resp: 314149
Ion Ratio Lower Upper
178 100
176 19.3 15.0 22.4
179 15.0 12.2 18.4





#73
Carbazole
Concen: 4.586 ng
RT: 17.574 min Scan# 2479
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

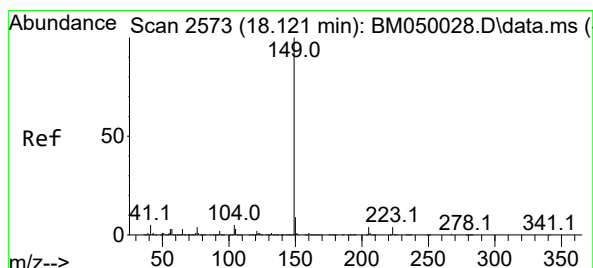
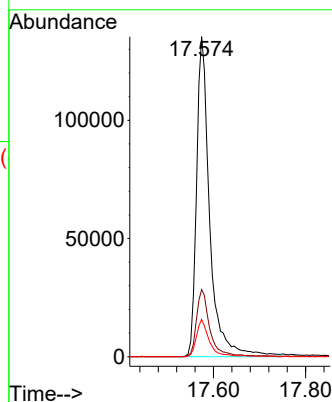
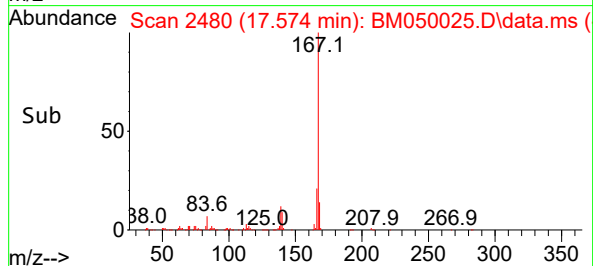
Instrument :
BNA_M
ClientSampleId :
SSTDICC005



Tgt Ion:167 Resp: 268774
Ion Ratio Lower Upper
167 100
166 21.0 17.2 25.8
139 11.7 9.0 13.6

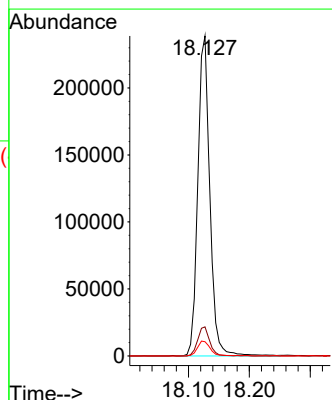
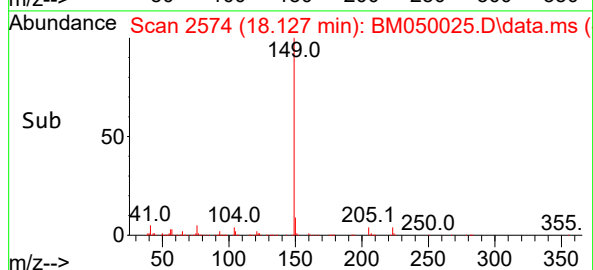
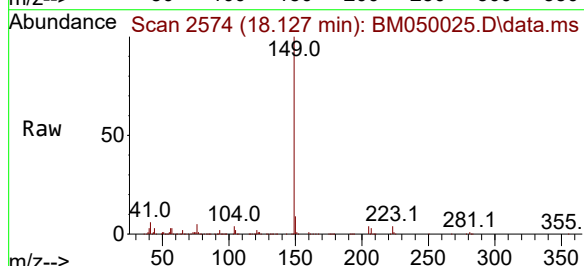
Manual Integrations
APPROVED

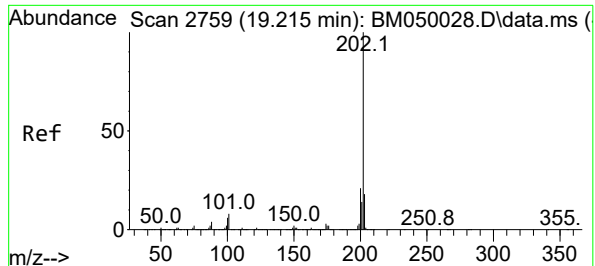
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#74
Di-n-butylphthalate
Concen: 4.688 ng
RT: 18.127 min Scan# 2574
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

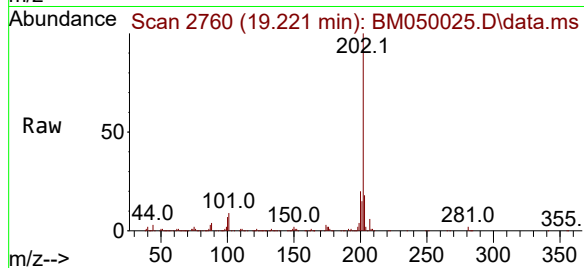
Tgt Ion:149 Resp: 327178
Ion Ratio Lower Upper
149 100
150 9.1 7.3 10.9
104 4.4 3.8 5.6





#75
Fluoranthene
Concen: 4.449 ng
RT: 19.221 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

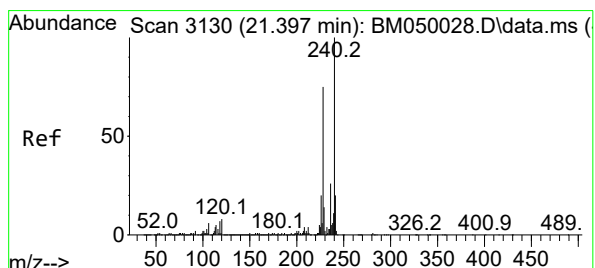
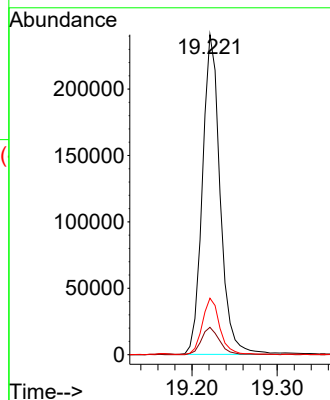
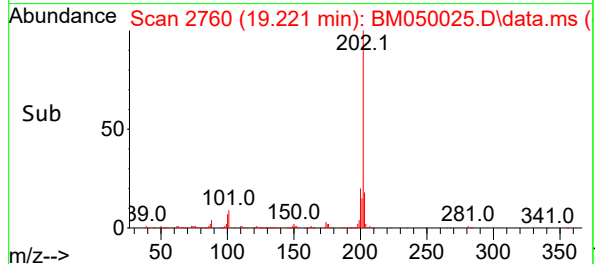
Instrument :
BNA_M
ClientSampleId :
SSTDICC005



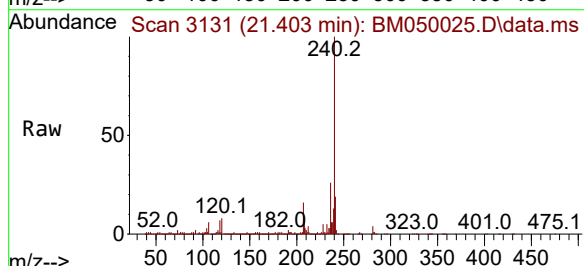
Tgt Ion:202 Resp: 34859
Ion Ratio Lower Upper
202 100
101 8.5 0.0 28.0
203 17.6 0.0 37.7

Manual Integrations
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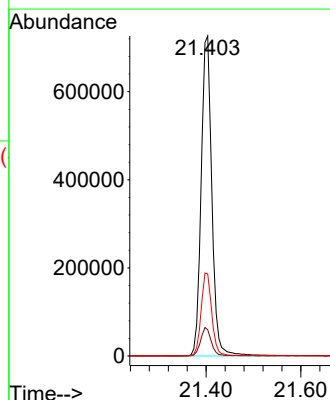
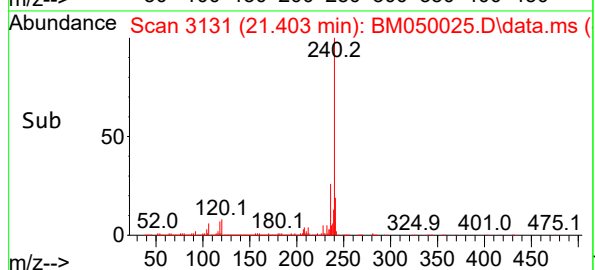
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

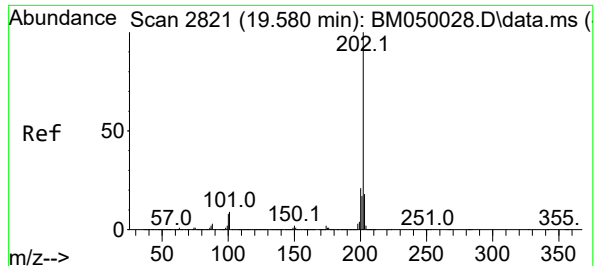


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09



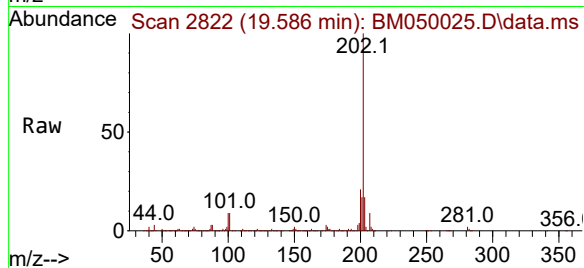
Tgt Ion:240 Resp: 1136162
Ion Ratio Lower Upper
240 100
120 8.2 6.5 9.7
236 25.6 20.9 31.3





#78
Pyrene
Concen: 4.593 ng
RT: 19.586 min Scan# 2822
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

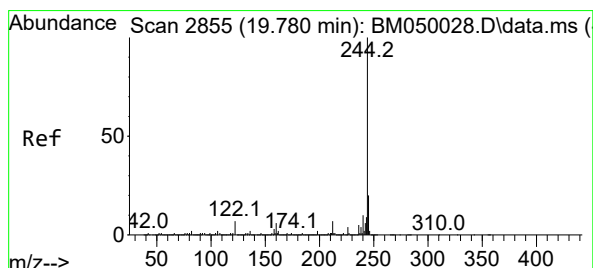
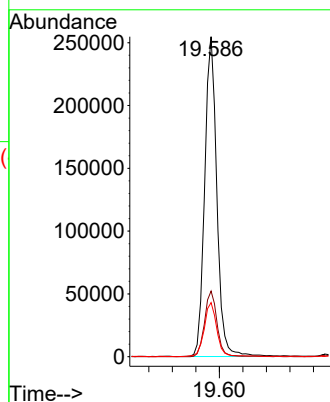
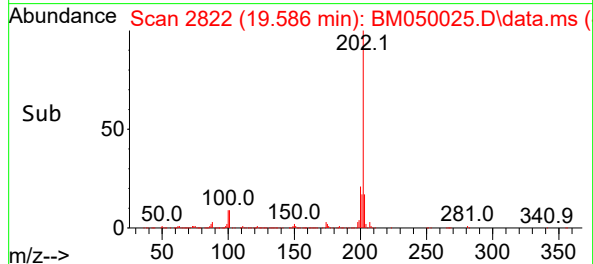
Instrument :
BNA_M
ClientSampleId :
SSTDICC005



Tgt Ion:202 Resp: 36647
Ion Ratio Lower Upper
202 100
200 20.5 16.7 25.1
203 16.9 14.1 21.1

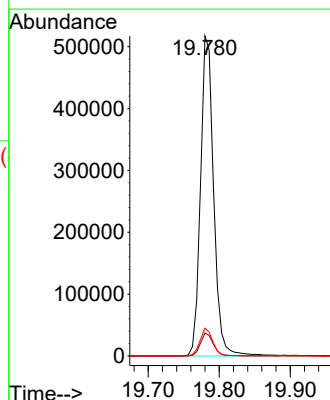
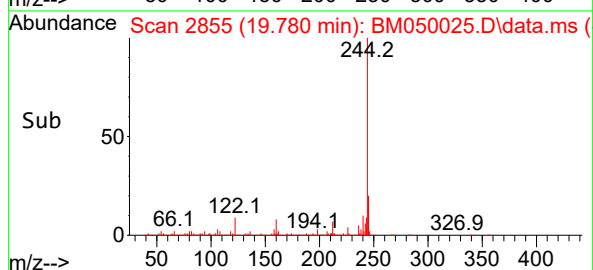
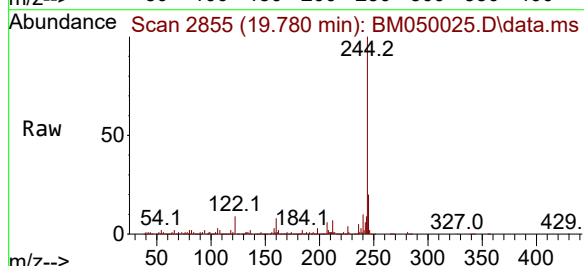
Manual Integrations
APPROVED

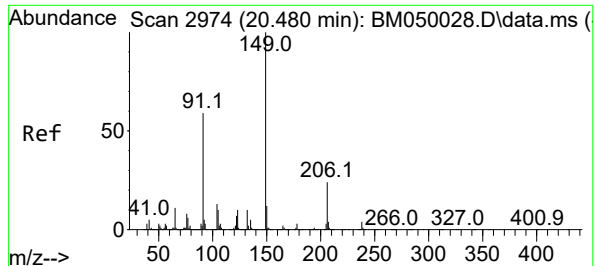
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#79
Terphenyl-d14
Concen: 8.704 ng
RT: 19.780 min Scan# 2855
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

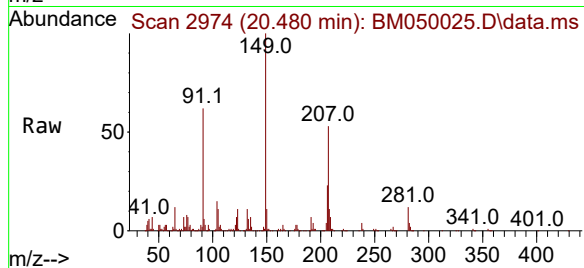
Tgt Ion:244 Resp: 668289
Ion Ratio Lower Upper
244 100
212 7.2 5.6 8.4
122 8.7 5.6 8.4#





#80
Butylbenzylphthalate
Concen: 4.646 ng
RT: 20.480 min Scan# 2974
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

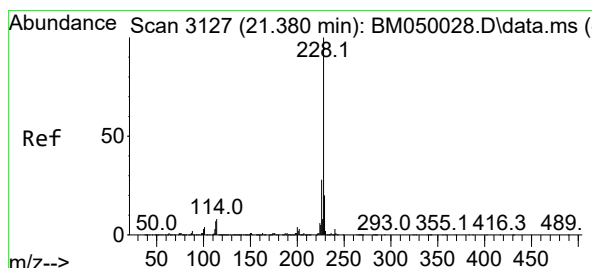
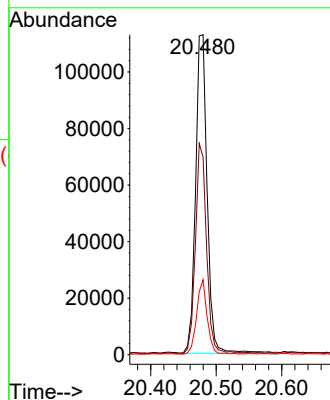
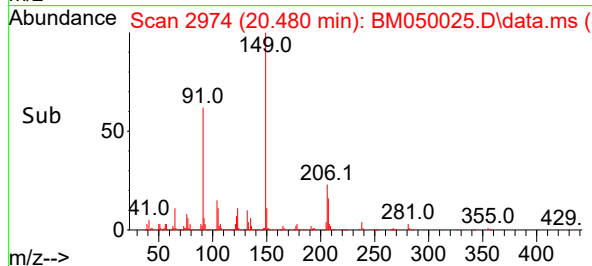
Instrument :
BNA_M
ClientSampleId :
SSTDICC005



Tgt Ion:149 Resp: 138827
Ion Ratio Lower Upper
149 100
91 61.7 47.4 71.2
206 23.4 19.4 29.0

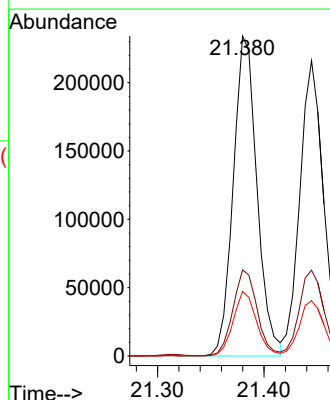
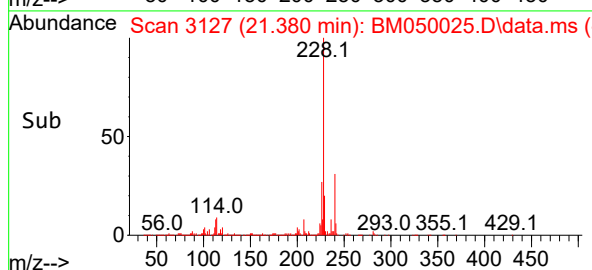
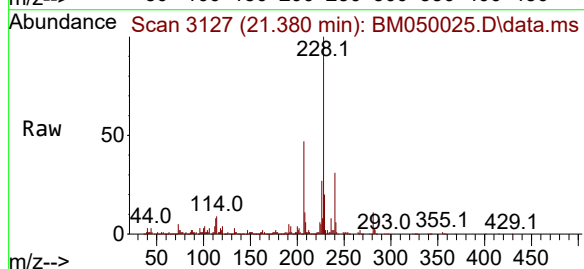
Manual Integrations
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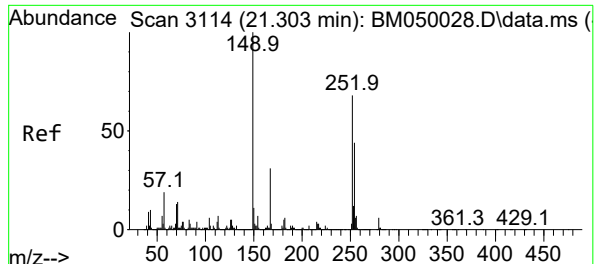
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#81
Benzo(a)anthracene
Concen: 4.648 ng
RT: 21.380 min Scan# 3127
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Tgt Ion:228 Resp: 363641
Ion Ratio Lower Upper
228 100
226 26.9 22.1 33.1
229 20.1 15.7 23.5





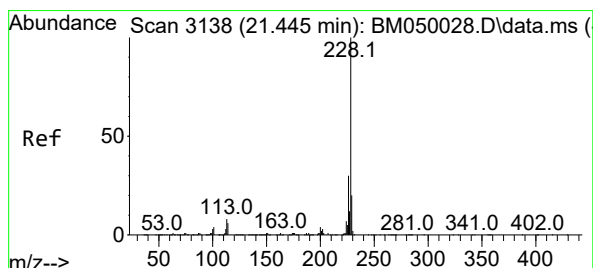
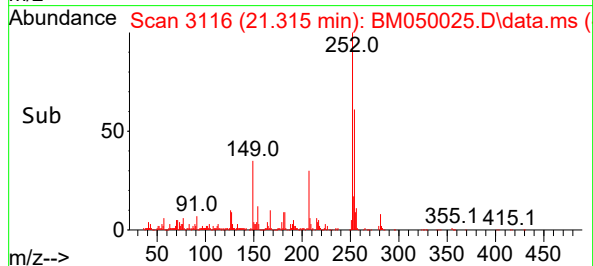
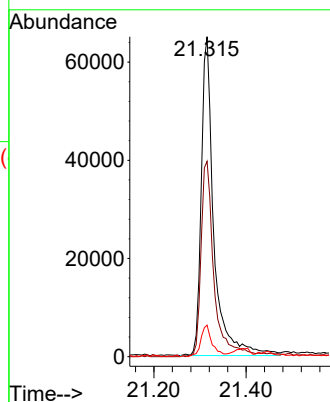
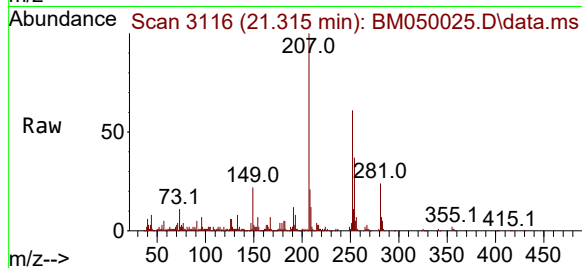
#82
3,3'-Dichlorobenzidine
Concen: 4.119 ng
RT: 21.315 min Scan# 3116
Delta R.T. 0.012 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 123375
Ion Ratio Lower Upper
252 100
254 61.0 51.8 77.6
126 9.9 6.0 9.0

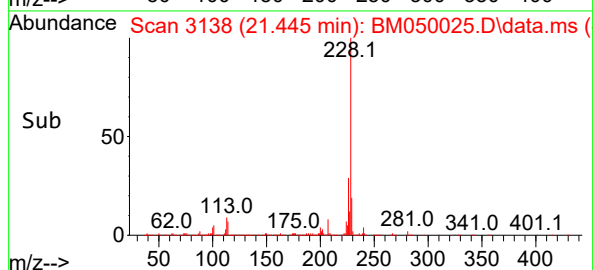
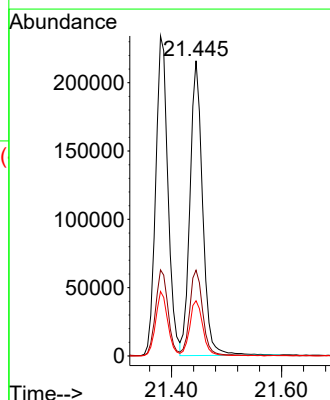
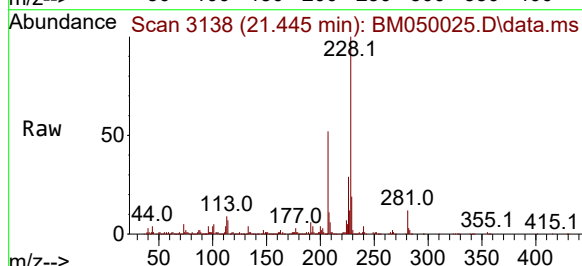
Manual Integrations
APPROVED

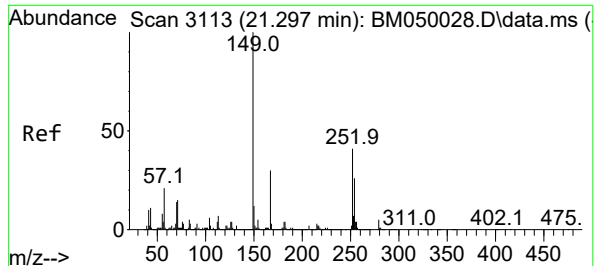
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#83
Chrysene
Concen: 4.738 ng
RT: 21.445 min Scan# 3138
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

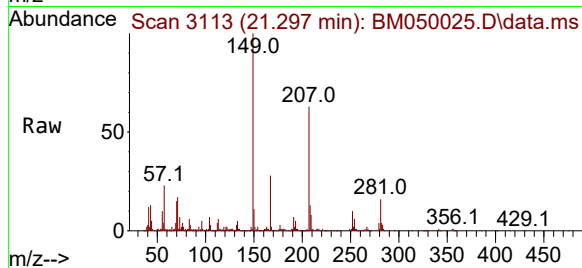
Tgt Ion:228 Resp: 343085
Ion Ratio Lower Upper
228 100
226 29.1 24.2 36.2
229 18.7 15.7 23.5





#84
Bis(2-ethylhexyl)phthalate
Concen: 4.620 ng
RT: 21.297 min Scan# 3113
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

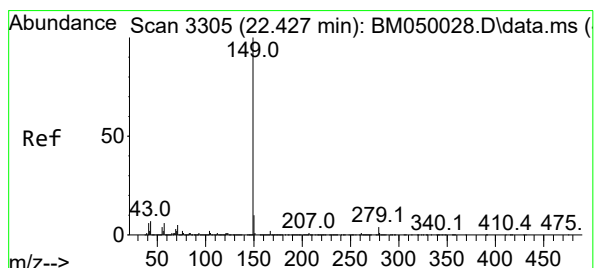
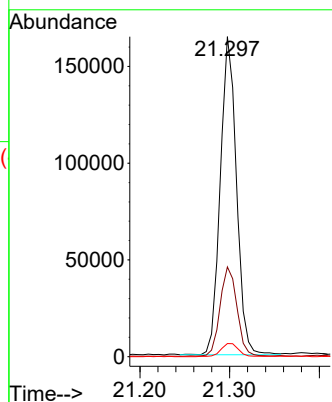
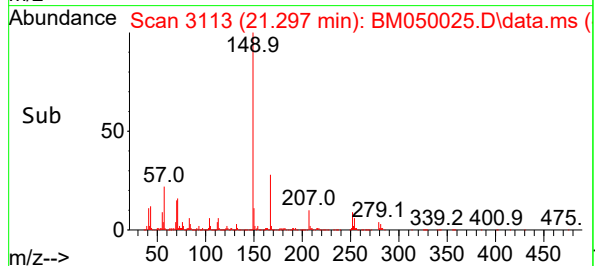
Instrument :
BNA_M
ClientSampleId :
SSTDICC005



Tgt Ion:149 Resp: 20623
Ion Ratio Lower Upper
149 100
167 28.0 24.1 36.1
279 4.1 3.9 5.9

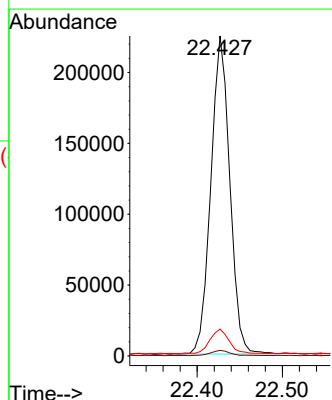
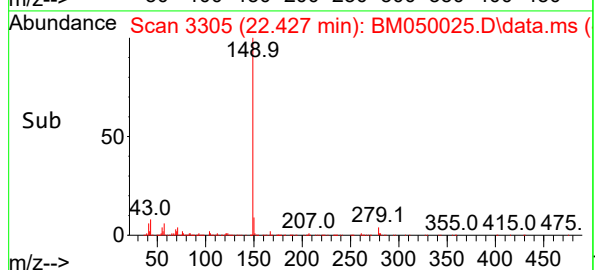
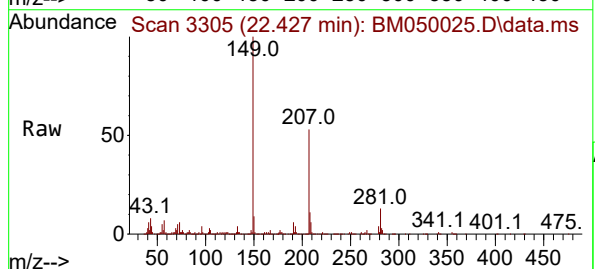
Manual Integrations
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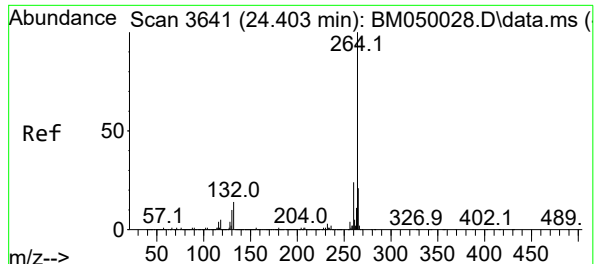
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#85
Di-n-octyl phthalate
Concen: 4.711 ng
RT: 22.427 min Scan# 3305
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

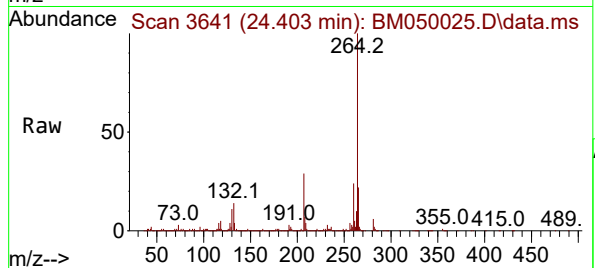
Tgt Ion:149 Resp: 346799
Ion Ratio Lower Upper
149 100
167 1.8 1.3 1.9
43 8.0 5.8 8.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.403 min Scan# 3641
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

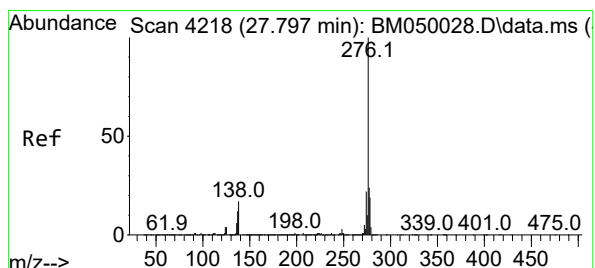
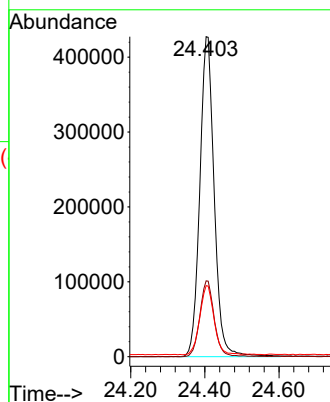
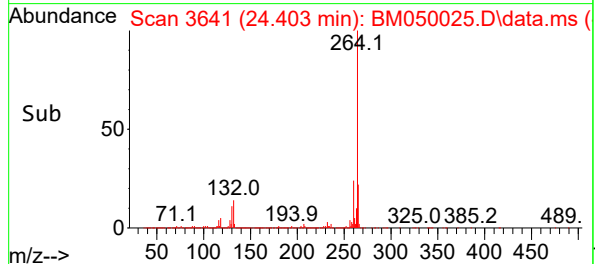
Instrument :
BNA_M
ClientSampleId :
SSTDICC005



Tgt Ion:264 Resp: 1149910
Ion Ratio Lower Upper
264 100
260 23.7 18.8 28.2
265 22.2 17.0 25.4

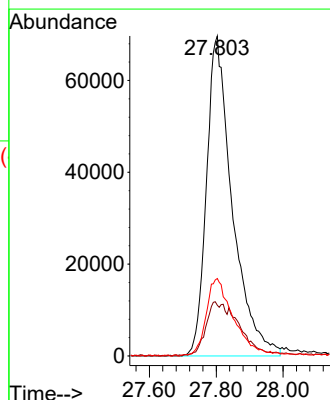
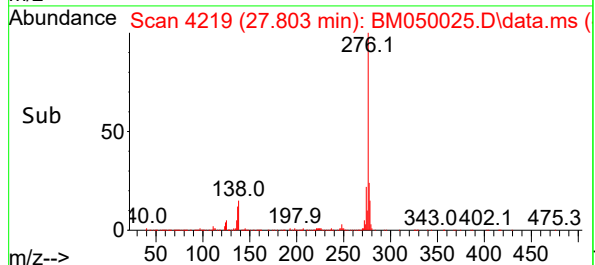
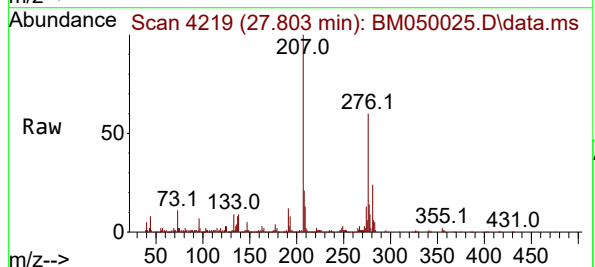
Manual Integrations
APPROVED

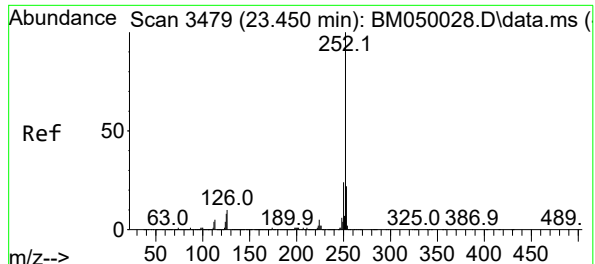
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.364 ng
RT: 27.803 min Scan# 4219
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

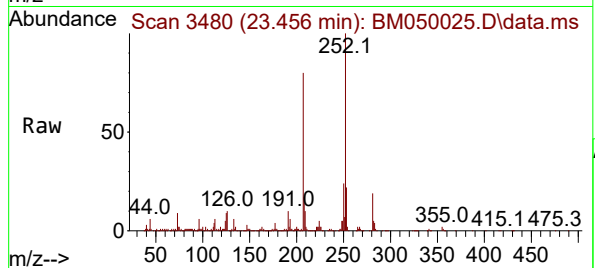
Tgt Ion:276 Resp: 373944
Ion Ratio Lower Upper
276 100
138 8.9 16.4 24.6#
277 25.9 19.8 29.8





#88
Benzo(b)fluoranthene
Concen: 4.338 ng
RT: 23.456 min Scan# 3479
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

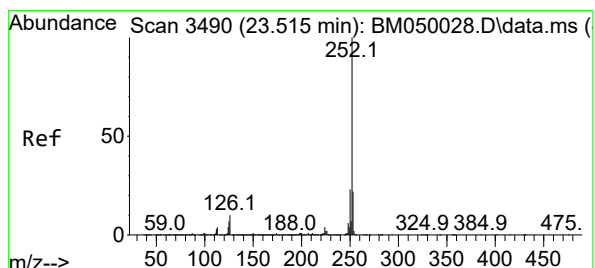
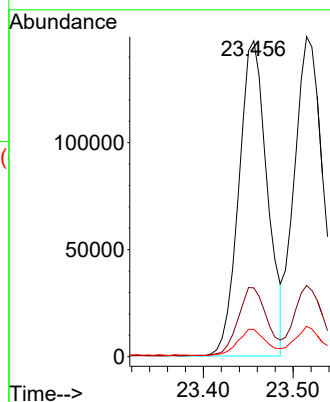
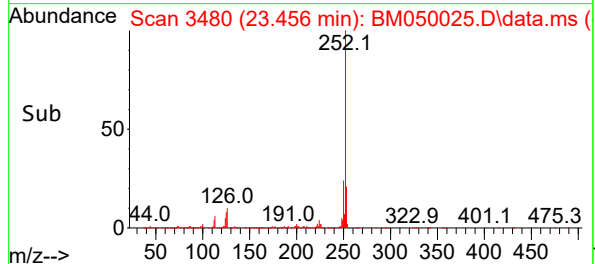
Instrument :
BNA_M
ClientSampleId :
SSTDICC005



Tgt Ion:252 Resp: 32439
Ion Ratio Lower Upper
252 100
253 21.8 17.7 26.5
125 8.7 6.1 9.1

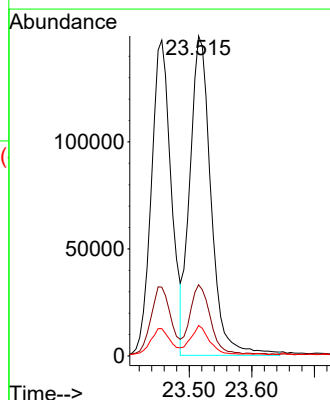
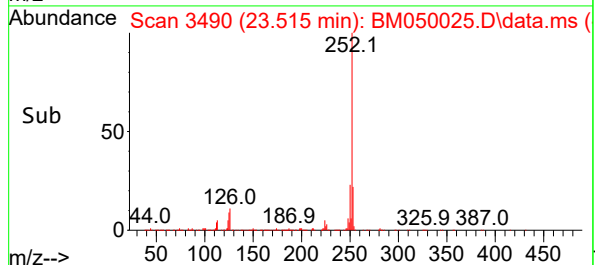
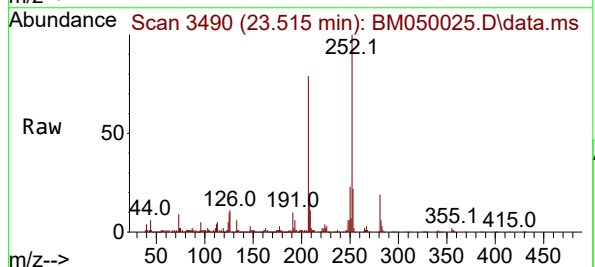
Manual Integrations
APPROVED

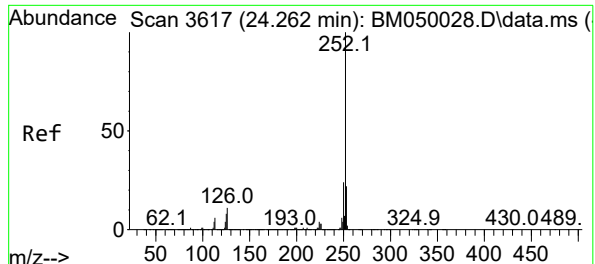
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#89
Benzo(k)fluoranthene
Concen: 4.631 ng m
RT: 23.515 min Scan# 3490
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

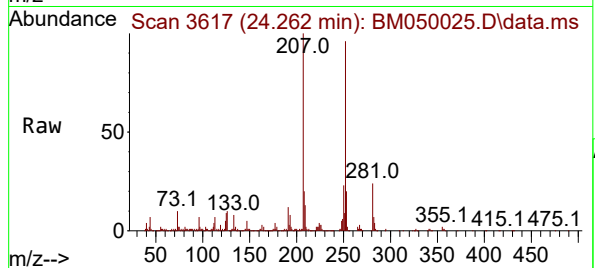
Tgt Ion:252 Resp: 350374
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.2
125 9.5 5.8 8.8#





#90
Benzo(a)pyrene
Concen: 4.492 ng
RT: 24.262 min Scan# 30
Delta R.T. -0.000 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09

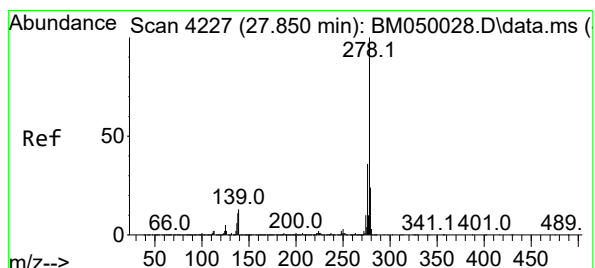
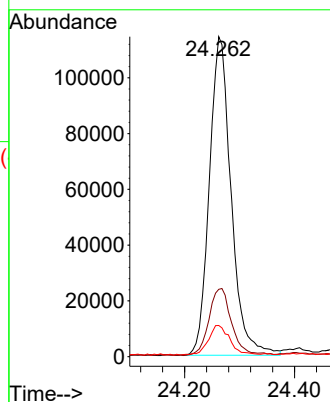
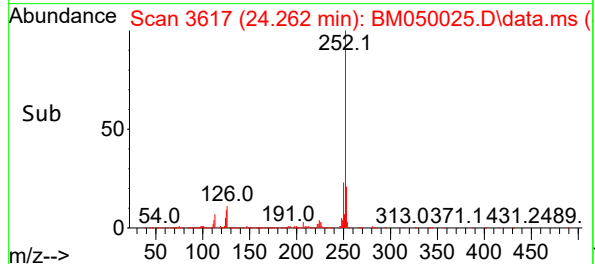
Instrument :
BNA_M
ClientSampleId :
SSTDICC005



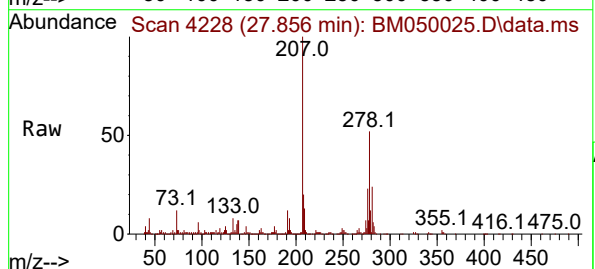
Tgt Ion:252 Resp: 314608
Ion Ratio Lower Upper
252 100
253 21.0 17.4 26.0
125 9.7 6.6 9.8

Manual Integrations
APPROVED

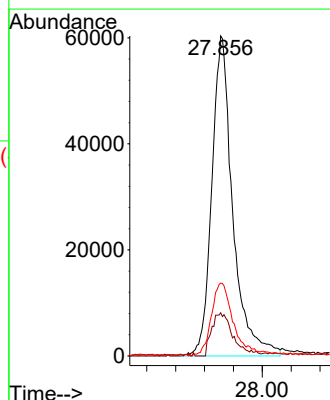
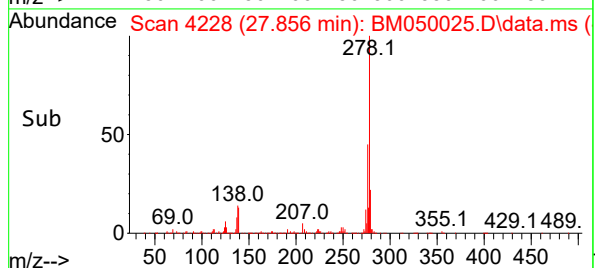
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

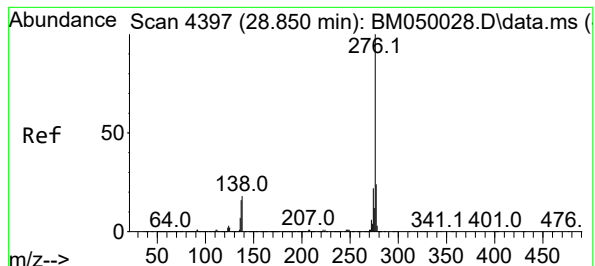


#91
Dibenzo(a,h)anthracene
Concen: 4.346 ng
RT: 27.856 min Scan# 4228
Delta R.T. 0.006 min
Lab File: BM050025.D
Acq: 28 Apr 2025 13:09



Tgt Ion:278 Resp: 303557
Ion Ratio Lower Upper
278 100
139 13.5 10.5 15.7
279 22.8 19.4 29.0





#92

Benzo(g,h,i)perylene

Concen: 4.585 ng

RT: 28.862 min Scan# 41

Delta R.T. 0.012 min

Lab File: BM050025.D

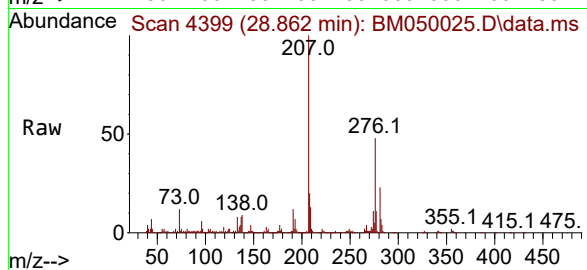
Acq: 28 Apr 2025 13:09

Instrument :

BNA_M

ClientSampleId :

SSTDICC005



Tgt Ion:276 Resp: 30657

Ion Ratio Lower Upper

276 100

277 22.1 19.1 28.7

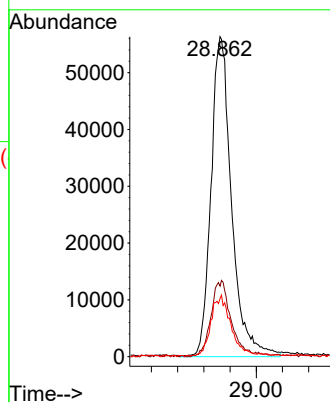
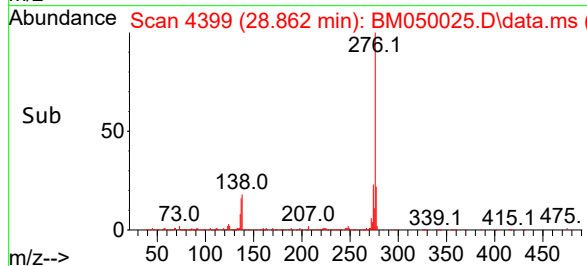
138 18.1 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/29/2025

Supervised By :Jagrut Upadhyay 04/29/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
 Data File : BM050026.D
 Acq On : 28 Apr 2025 13:48
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 04/29/2025
 Supervised By :Jagrut Upadhyay 04/29/2025

Quant Time: Apr 28 17:54:15 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 17:38:08 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	250110	20.000	ng	0.00
21) Naphthalene-d8	10.563	136	926512	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	636652	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1274608	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1213581	20.000	ng	0.00
86) Perylene-d12	24.403	264	1224339	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	269870	18.894	ng	0.00
7) Phenol-d6	6.957	99	329701	18.366	ng	0.00
23) Nitrobenzene-d5	8.928	82	346334	18.420	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	158339	16.820	ng	0.00
45) 2-Fluorobiphenyl	13.027	172	989917	18.394	ng	0.00
79) Terphenyl-d14	19.780	244	1443528	17.601	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.257	88	58048	9.478	ng	98
3) Pyridine	3.663	79	145801	9.266	ng	98
4) n-Nitrosodimethylamine	3.569	42	57404	9.302	ng	# 93
6) Aniline	7.098	93	211256	9.319	ng	100
8) 2-Chlorophenol	7.339	128	145228	9.404	ng	99
9) Benzaldehyde	6.916	77	115030m	9.587	ng	
10) Phenol	6.981	94	168041	9.246	ng	99
11) bis(2-Chloroethyl)ether	7.192	93	138197	9.107	ng	100
12) 1,3-Dichlorobenzene	7.657	146	178565	9.572	ng	96
13) 1,4-Dichlorobenzene	7.804	146	177312	9.461	ng	99
14) 1,2-Dichlorobenzene	8.122	146	174224	9.624	ng	100
15) Benzyl Alcohol	8.022	79	110234	8.854	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.292	45	177776	9.637	ng	97
17) 2-Methylphenol	8.228	107	111639	9.325	ng	99
18) Hexachloroethane	8.845	117	63487	9.530	ng	98
19) n-Nitroso-di-n-propyla...	8.575	70	110641	9.609	ng	98
20) 3+4-Methylphenols	8.563	107	146303	9.049	ng	99
22) Acetophenone	8.592	105	214790	9.325	ng	98
24) Nitrobenzene	8.969	77	150534	9.259	ng	99
25) Isophorone	9.498	82	300179	9.366	ng	99
26) 2-Nitrophenol	9.686	139	72521	8.732	ng	97
27) 2,4-Dimethylphenol	9.757	122	123406	8.960	ng	97
28) bis(2-Chloroethoxy)met...	9.975	93	184837	9.331	ng	99
29) 2,4-Dichlorophenol	10.245	162	137916	8.938	ng	99
30) 1,2,4-Trichlorobenzene	10.428	180	177721	9.453	ng	97
31) Naphthalene	10.610	128	444206	9.467	ng	99
32) Benzoic acid	9.875	122	63971m	7.282	ng	
33) 4-Chloroaniline	10.739	127	181907	9.458	ng	99
34) Hexachlorobutadiene	10.898	225	111307	9.327	ng	99
35) Caprolactam	11.516	113	39344	8.745	ng	94
36) 4-Chloro-3-methylphenol	11.880	107	131076	9.194	ng	98
37) 2-Methylnaphthalene	12.227	142	296053	9.411	ng	97
38) 1-Methylnaphthalene	12.451	142	312512	9.387	ng	97
40) 1,2,4,5-Tetrachloroben...	12.604	216	197943	8.981	ng	99
41) Hexachlorocyclopentadiene	12.580	237	96522	7.166	ng	99
43) 2,4,6-Trichlorophenol	12.857	196	121240	8.673	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
 Data File : BM050026.D
 Acq On : 28 Apr 2025 13:48
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC010

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 04/29/2025
 Supervised By :Jagrut Upadhyay 04/29/2025

Quant Time: Apr 28 17:54:15 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 17:38:08 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.945	196	132882	8.815	ng	96
46) 1,1'-Biphenyl	13.245	154	443960	9.381	ng	99
47) 2-Chloronaphthalene	13.286	162	354101	9.447	ng	99
48) 2-Nitroaniline	13.498	65	77101	8.764	ng	94
49) Acenaphthylene	14.133	152	545774	9.235	ng	100
50) Dimethylphthalate	13.868	163	438261	9.419	ng	99
51) 2,6-Dinitrotoluene	13.992	165	86242	8.953	ng	98
52) Acenaphthene	14.474	154	317735	9.288	ng	98
53) 3-Nitroaniline	14.333	138	78720	8.559	ng	# 99
54) 2,4-Dinitrophenol	14.563	184	31979	10.558	ng	96
55) Dibenzofuran	14.810	168	535023	9.401	ng	99
56) 4-Nitrophenol	14.710	139	40722	9.668	ng	96
57) 2,4-Dinitrotoluene	14.792	165	116476	8.750	ng	95
58) Fluorene	15.462	166	427384	9.174	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.051	232	115185	8.828	ng	98
60) Diethylphthalate	15.233	149	414149	9.447	ng	100
61) 4-Chlorophenyl-phenyle...	15.457	204	227926	8.908	ng	94
62) 4-Nitroaniline	15.498	138	74565m	8.397	ng	
63) Azobenzene	15.745	77	347347	9.454	ng	99
65) 4,6-Dinitro-2-methylph...	15.562	198	56182	7.042	ng	93
66) n-Nitrosodiphenylamine	15.668	169	364601	9.315	ng	99
67) 4-Bromophenyl-phenylether	16.351	248	137532	8.923	ng	99
68) Hexachlorobenzene	16.468	284	160195	9.016	ng	99
69) Atrazine	16.621	200	126168	8.937	ng	98
70) Pentachlorophenol	16.827	266	74839	7.483	ng	95
71) Phenanthrene	17.198	178	659374	9.172	ng	100
72) Anthracene	17.292	178	661260	9.089	ng	99
73) Carbazole	17.568	167	573667	9.087	ng	99
74) Di-n-butylphthalate	18.121	149	689248	9.168	ng	99
75) Fluoranthene	19.221	202	727607	8.621	ng	99
77) Benzidine	19.415	184	339970	7.887	ng	99
78) Pyrene	19.586	202	761625	8.937	ng	99
80) Butylbenzylphthalate	20.474	149	290617	9.105	ng	93
81) Benzo(a)anthracene	21.380	228	747128	8.940	ng	100
82) 3,3'-Dichlorobenzidine	21.309	252	262017	8.190	ng	100
83) Chrysene	21.444	228	709862	9.178	ng	99
84) Bis(2-ethylhexyl)phtha...	21.297	149	439949	9.228	ng	98
85) Di-n-octyl phthalate	22.427	149	726208	9.236	ng	99
87) Indeno(1,2,3-cd)pyrene	27.791	276	791344	8.674	ng	99
88) Benzo(b)fluoranthene	23.450	252	703118	8.831	ng	98
89) Benzo(k)fluoranthene	23.515	252	704142	8.741	ng	99
90) Benzo(a)pyrene	24.262	252	652617	8.751	ng	99
91) Dibenzo(a,h)anthracene	27.844	278	638913	8.591	ng	98
92) Benzo(g,h,i)perylene	28.850	276	630261	8.852	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
 Data File : BM050026.D
 Acq On : 28 Apr 2025 13:48
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

SSTDICC010

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/29/2025

Supervised By :Jagrut Upadhyay 04/29/2025

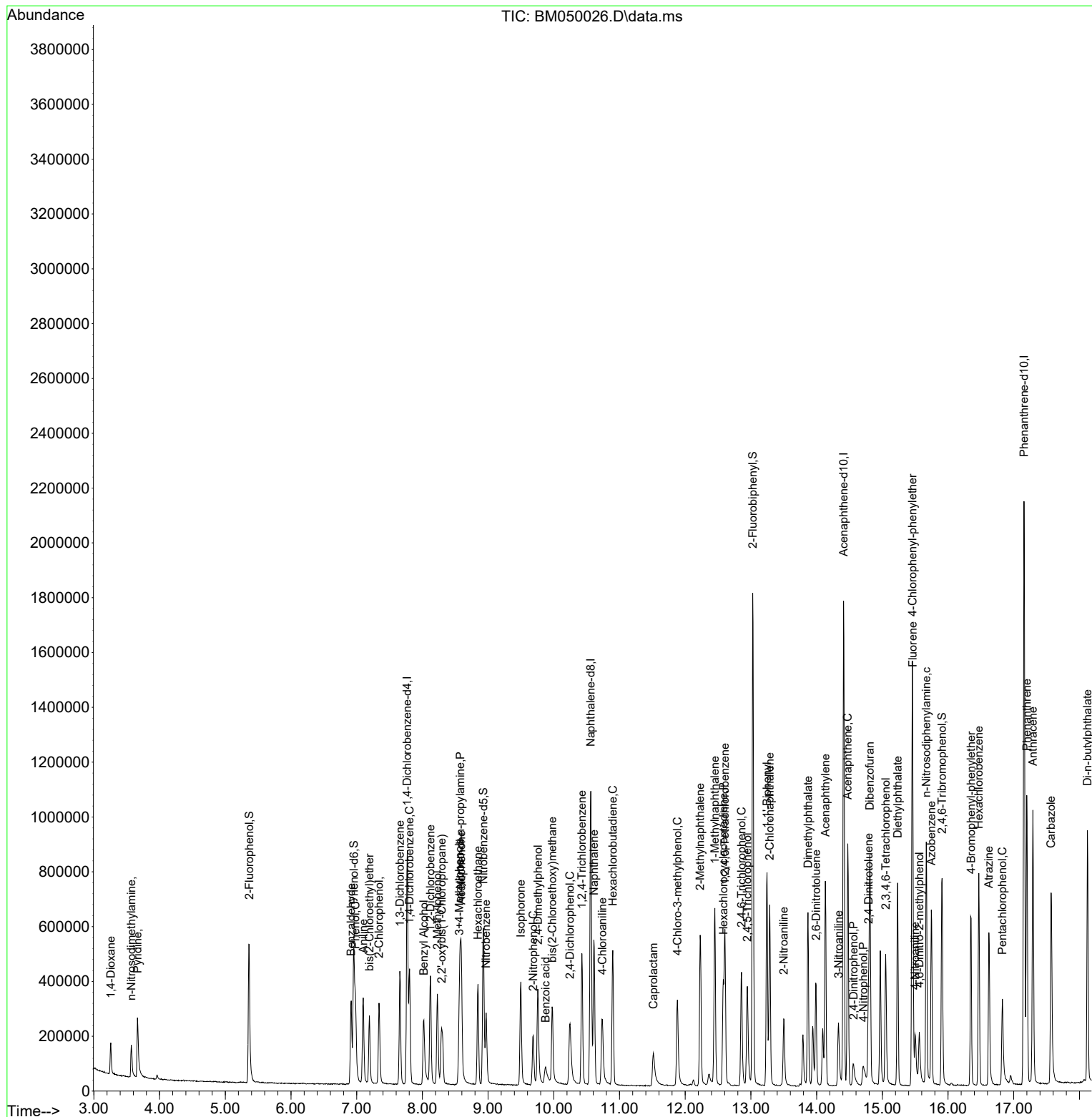
Quant Time: Apr 28 17:54:15 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Apr 28 17:38:08 2025

Response via : Initial Calibration



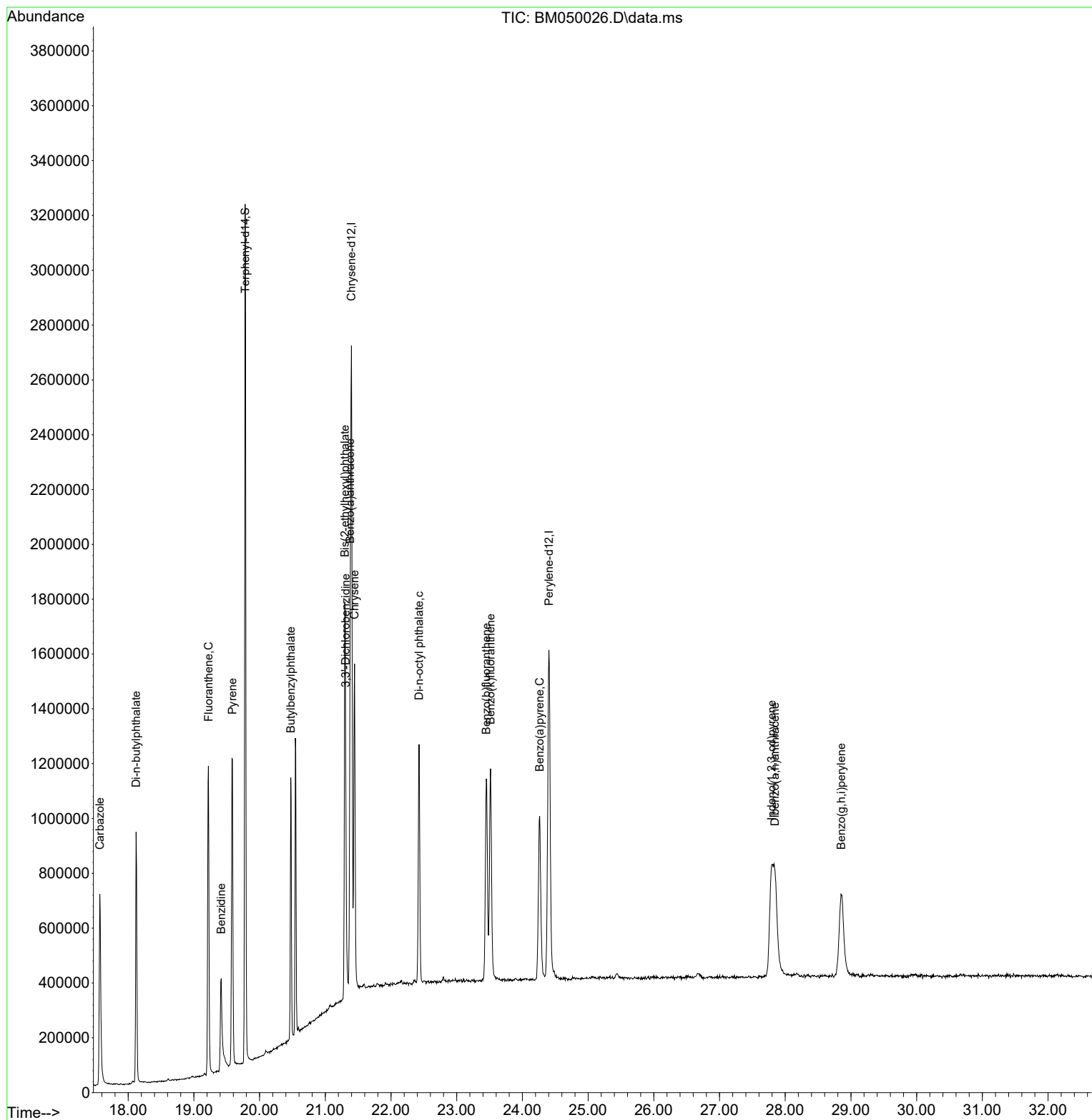
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050026.D
Acq On : 28 Apr 2025 13:48
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

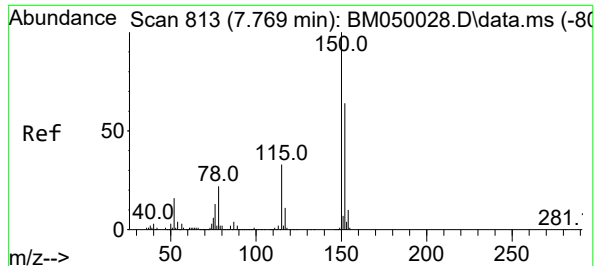
Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

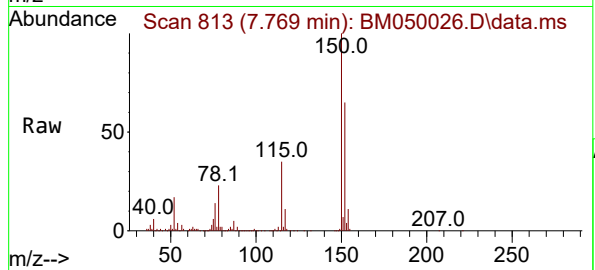
Quant Time: Apr 28 17:54:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 813
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

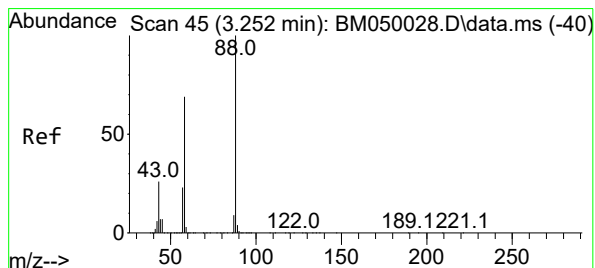
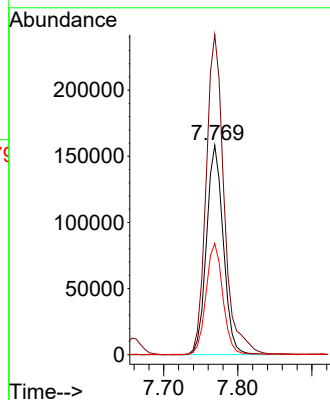
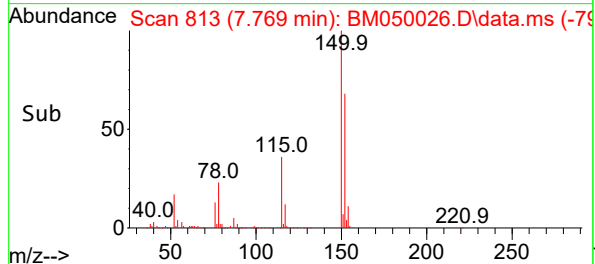
Instrument :
BNA_M
ClientSampleId :
SSTDICC010



Tgt Ion:152 Resp: 250110
Ion Ratio Lower Upper
152 100
150 152.8 124.1 186.1
115 53.1 41.2 61.8

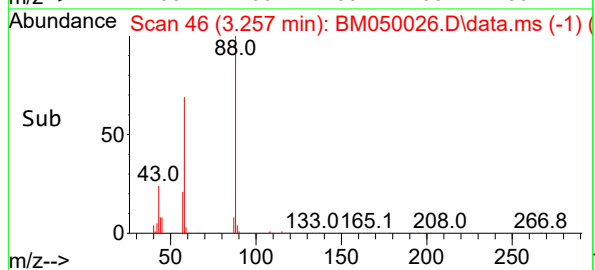
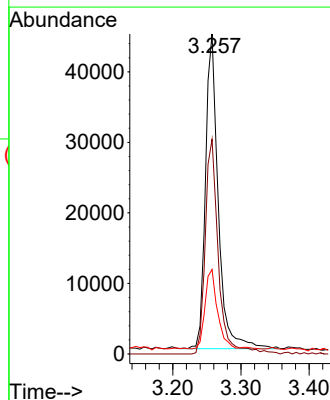
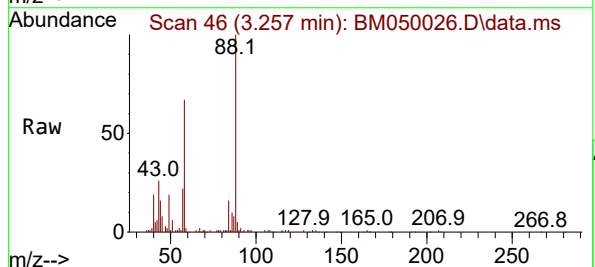
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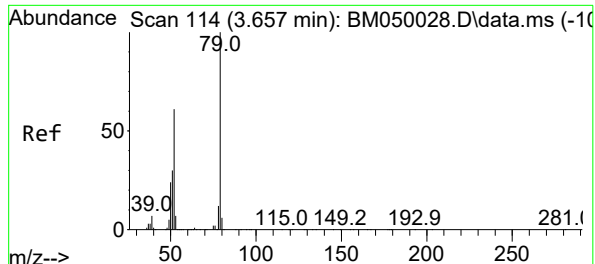
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#2
1,4-Dioxane
Concen: 9.478 ng
RT: 3.257 min Scan# 46
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion: 88 Resp: 58048
Ion Ratio Lower Upper
88 100
58 70.3 55.1 82.7
43 24.7 20.9 31.3





#3

Pyridine

Concen: 9.266 ng

RT: 3.663 min Scan# 114

Delta R.T. 0.006 min

Lab File: BM050026.D

Acq: 28 Apr 2025 13:48

Instrument :

BNA_M

ClientSampleId :

SSTDICC010

Tgt Ion: 79 Resp: 14580

Ion Ratio Lower Upper

79 100

52 61.3 48.6 72.8

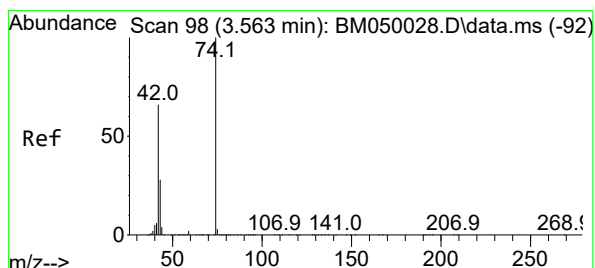
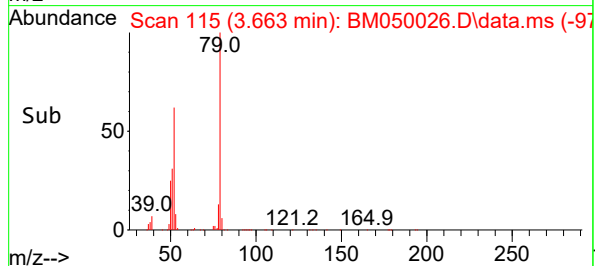
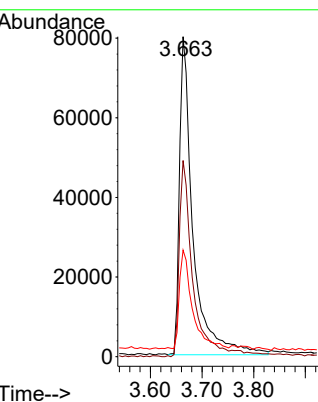
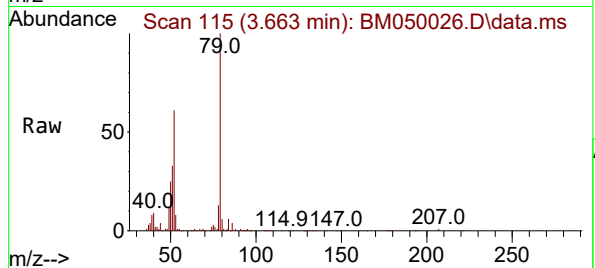
51 33.3 24.6 37.0

Manual Integrations

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Reviewed By :Rahul Chavli 04/29/2025

Supervised By :Jagrut Upadhyay 04/29/2025



#4

n-Nitrosodimethylamine

Concen: 9.302 ng

RT: 3.569 min Scan# 99

Delta R.T. 0.006 min

Lab File: BM050026.D

Acq: 28 Apr 2025 13:48

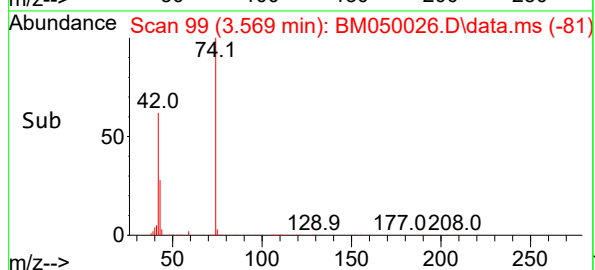
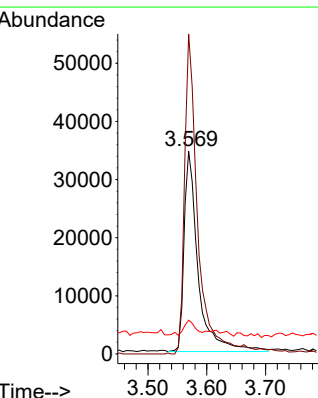
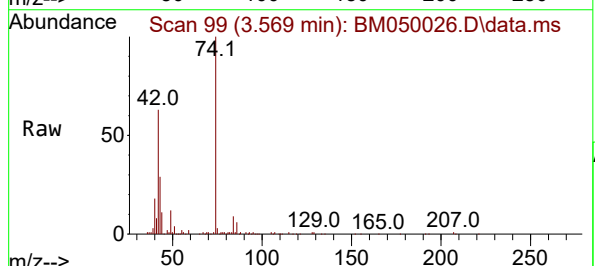
Tgt Ion: 42 Resp: 57404

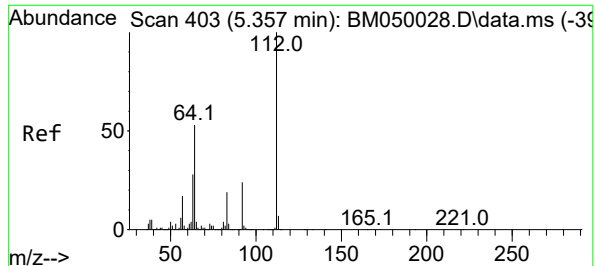
Ion Ratio Lower Upper

42 100

74 157.9 120.2 180.2

44 16.6 6.2 9.2





#5

2-Fluorophenol

Concen: 18.894 ng

RT: 5.363 min Scan# 403

Delta R.T. 0.006 min

Lab File: BM050026.D

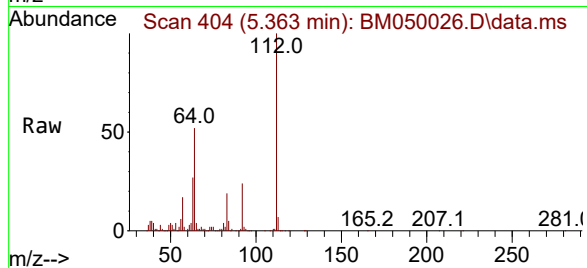
Acq: 28 Apr 2025 13:48

Instrument :

BNA_M

ClientSampleId :

SSTDICC010



Tgt Ion:112 Resp: 269870

Ion Ratio Lower Upper

112 100

64 52.1 42.6 64.0

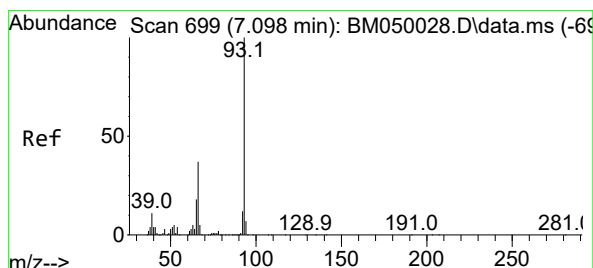
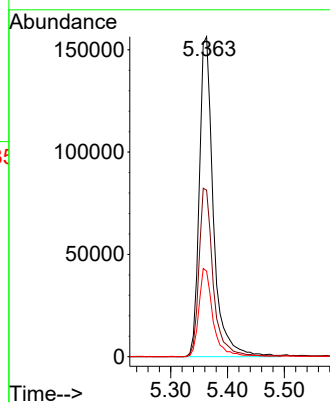
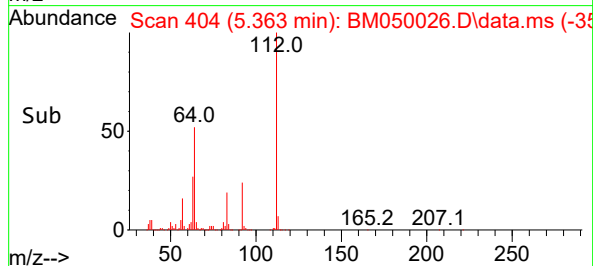
63 26.8 22.2 33.4

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Reviewed By :Rahul Chavli 04/29/2025

Supervised By :Jagrut Upadhyay 04/29/2025



#6

Aniline

Concen: 9.319 ng

RT: 7.098 min Scan# 699

Delta R.T. -0.000 min

Lab File: BM050026.D

Acq: 28 Apr 2025 13:48

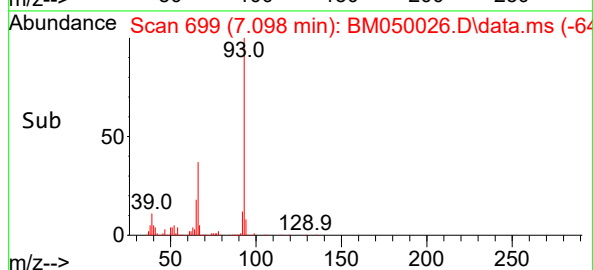
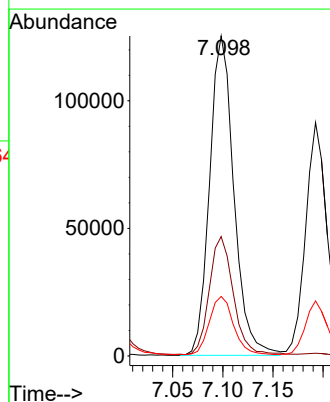
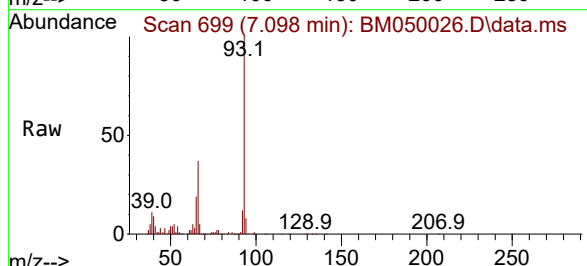
Tgt Ion: 93 Resp: 211256

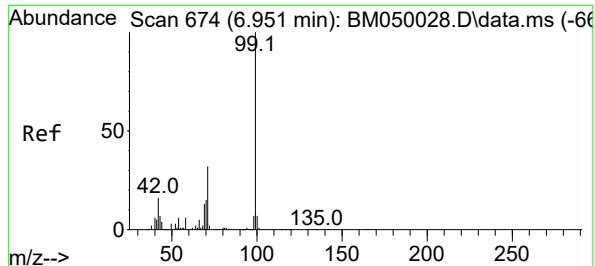
Ion Ratio Lower Upper

93 100

66 37.3 29.9 44.9

65 18.6 14.5 21.7





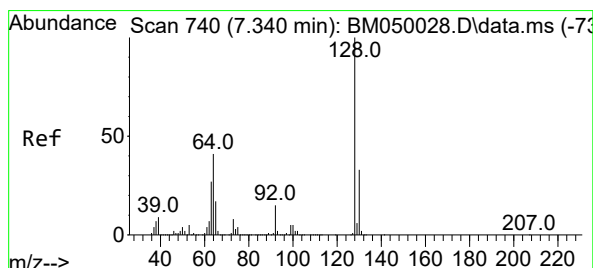
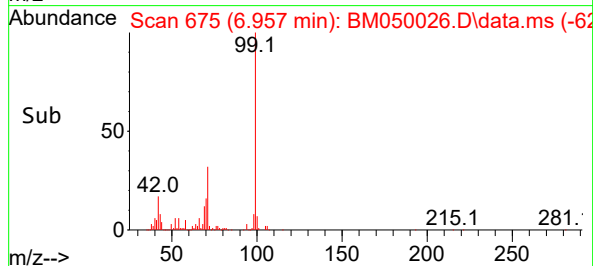
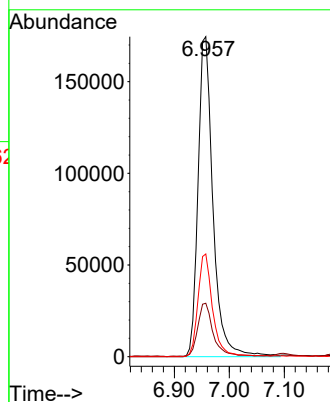
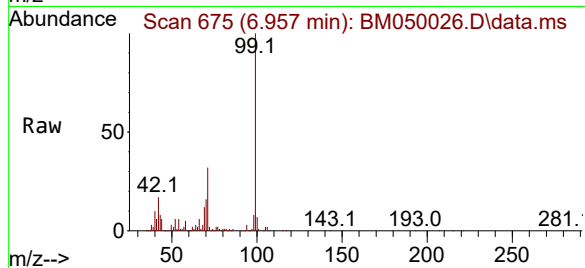
#7
Phenol-d6
Concen: 18.366 ng
RT: 6.957 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion: 99 Resp: 32970
Ion Ratio Lower Upper
99 100
42 16.7 13.0 19.4
71 32.1 25.6 38.4

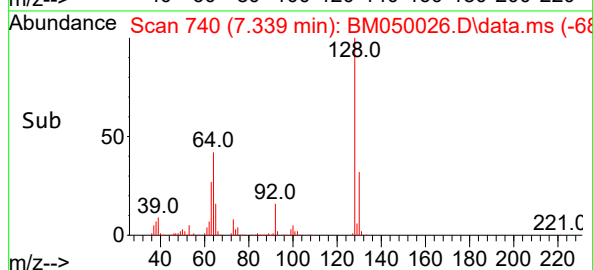
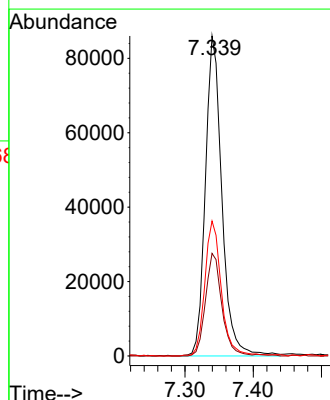
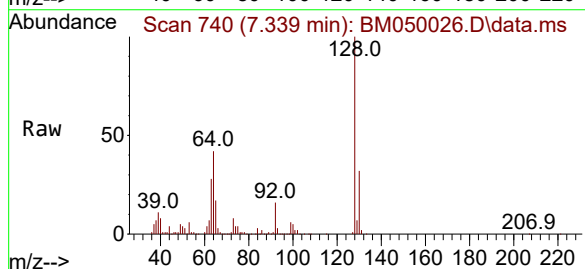
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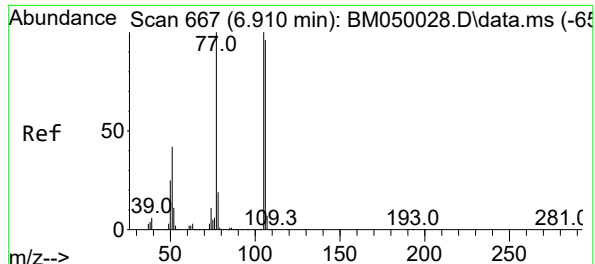
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#8
2-Chlorophenol
Concen: 9.404 ng
RT: 7.339 min Scan# 740
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

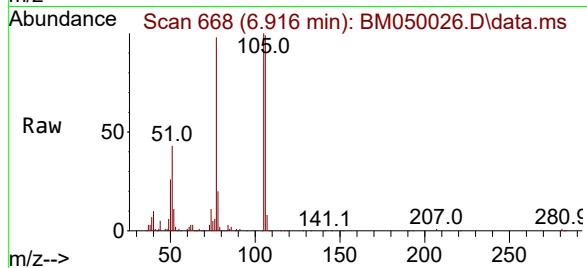
Tgt Ion:128 Resp: 145228
Ion Ratio Lower Upper
128 100
130 32.1 12.8 52.8
64 42.2 21.2 61.2





#9
Benzaldehyde
Concen: 9.587 ng m
RT: 6.916 min Scan# 668
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

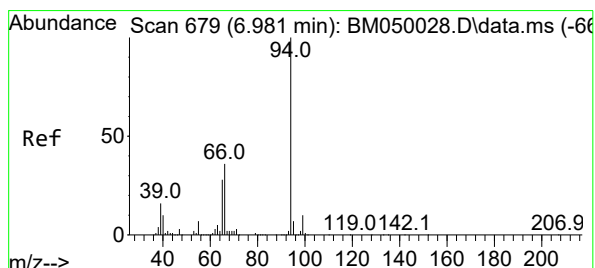
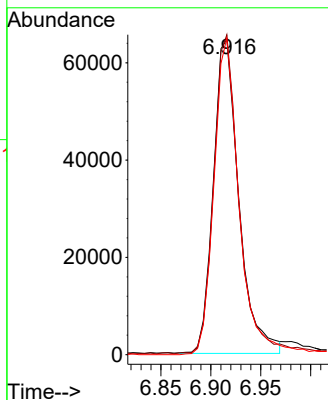
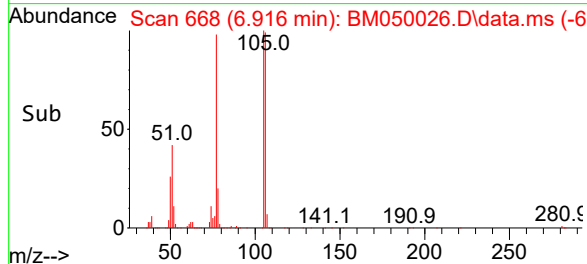
Instrument :
BNA_M
ClientSampleId :
SSTDICC010



Tgt Ion: 77 Resp: 115030
Ion Ratio Lower Upper
77 100
105 101.6 80.5 120.5
106 100.5 76.1 116.1

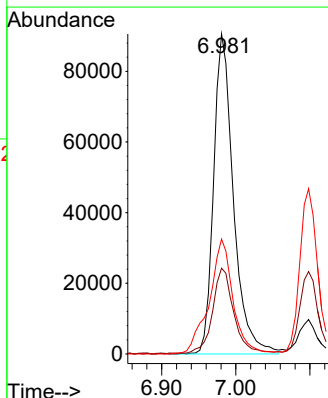
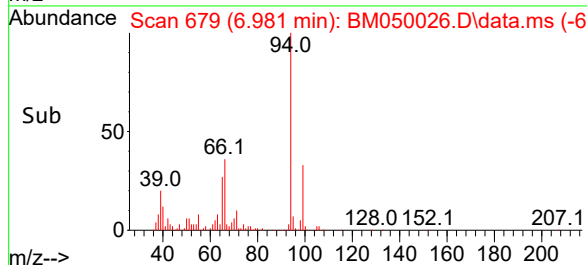
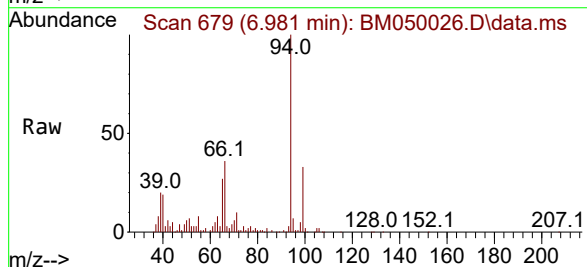
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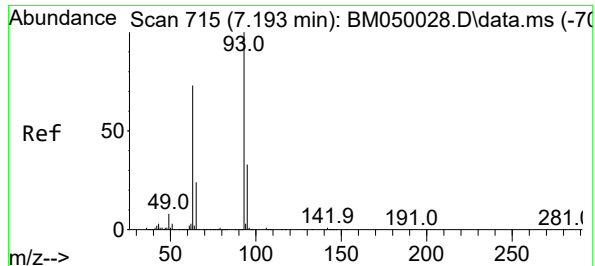
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#10
Phenol
Concen: 9.246 ng
RT: 6.981 min Scan# 679
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion: 94 Resp: 168041
Ion Ratio Lower Upper
94 100
65 26.8 7.6 47.6
66 35.9 15.8 55.8





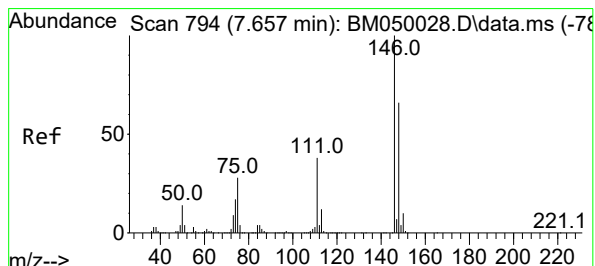
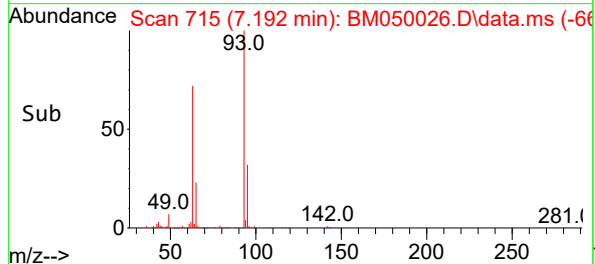
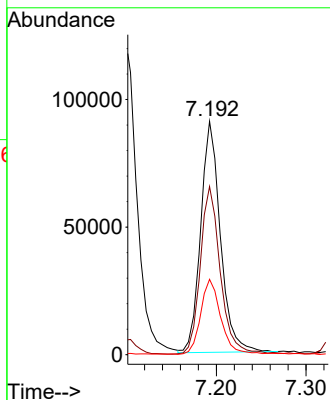
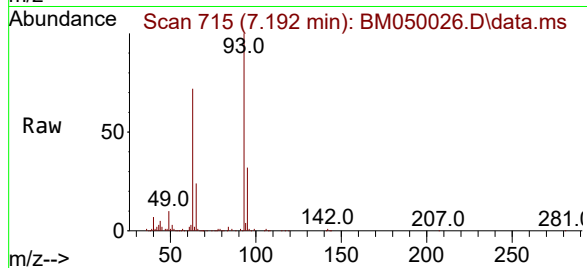
#11
bis(2-Chloroethyl)ether
Concen: 9.107 ng
RT: 7.192 min Scan# 715
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion: 93 Resp: 138197
Ion Ratio Lower Upper
93 100
63 72.0 52.3 92.3
95 32.3 12.8 52.8

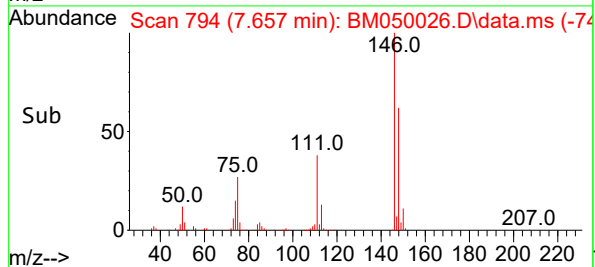
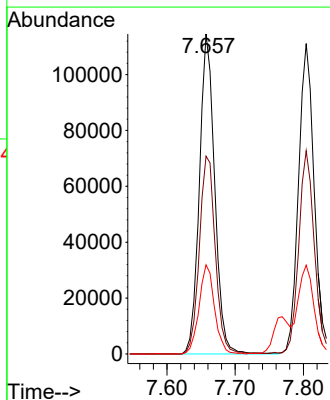
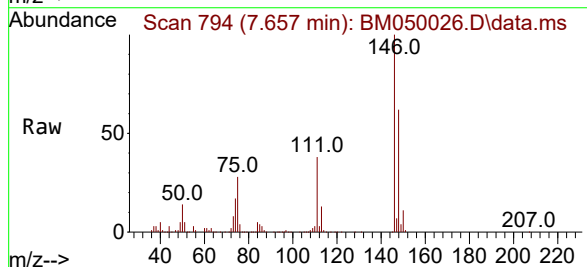
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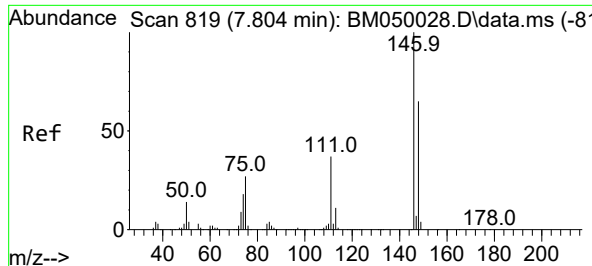
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#12
1,3-Dichlorobenzene
Concen: 9.572 ng
RT: 7.657 min Scan# 794
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:146 Resp: 178565
Ion Ratio Lower Upper
146 100
148 61.8 52.5 78.7
75 27.8 22.6 34.0





#13

1,4-Dichlorobenzene

Concen: 9.461 ng

RT: 7.804 min Scan# 819

Delta R.T. -0.000 min

Lab File: BM050026.D

Acq: 28 Apr 2025 13:48

Instrument :

BNA_M

ClientSampleId :

SSTDICC010

Tgt Ion:146 Resp: 177312

Ion Ratio Lower Upper

146 100

148 65.5 52.2 78.2

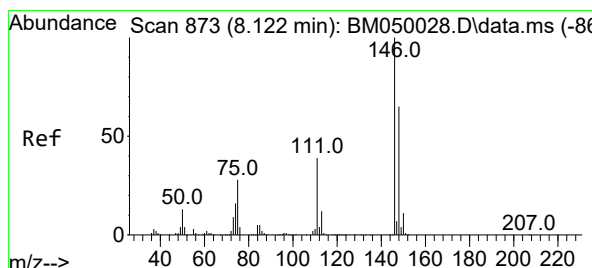
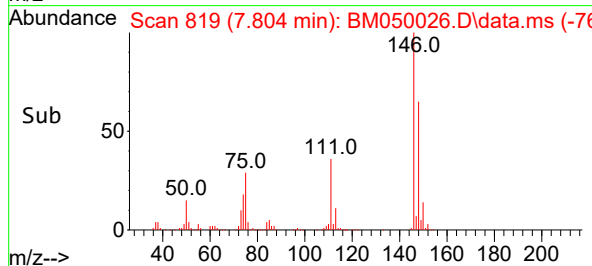
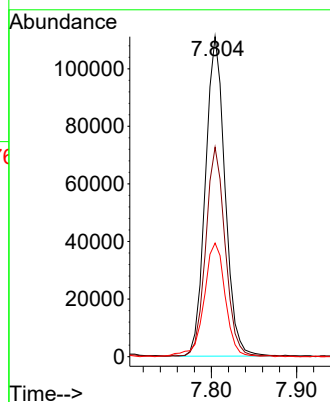
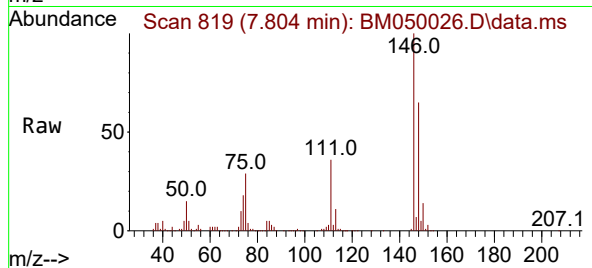
111 35.5 29.3 43.9

Manual Integrations

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Supervised By :Jagrut Upadhyay 04/29/2025



#14

1,2-Dichlorobenzene

Concen: 9.624 ng

RT: 8.122 min Scan# 873

Delta R.T. -0.000 min

Lab File: BM050026.D

Acq: 28 Apr 2025 13:48

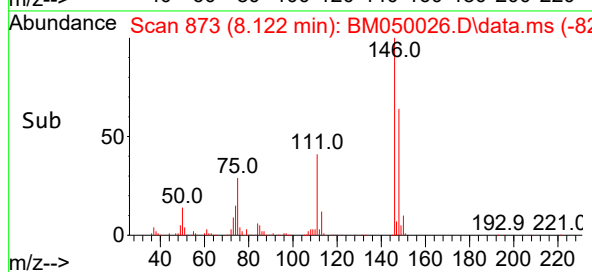
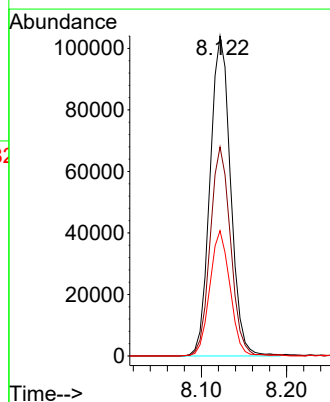
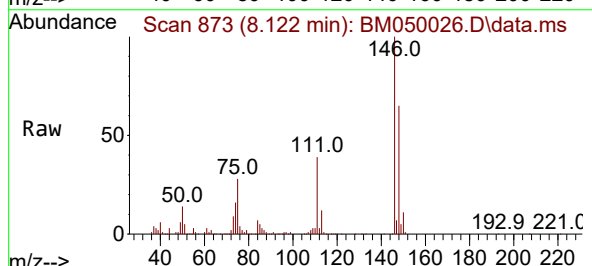
Tgt Ion:146 Resp: 174224

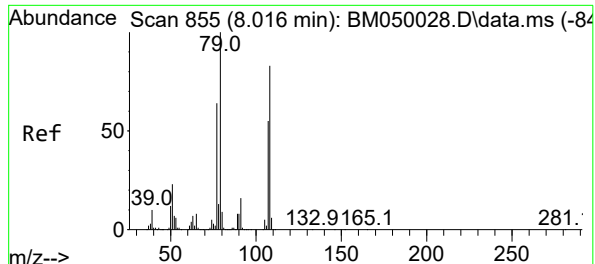
Ion Ratio Lower Upper

146 100

148 65.3 52.4 78.6

111 39.2 31.0 46.6





#15

Benzyl Alcohol

Concen: 8.854 ng

RT: 8.022 min Scan# 855

Delta R.T. 0.006 min

Lab File: BM050026.D

Acq: 28 Apr 2025 13:48

Instrument :

BNA_M

ClientSampleId :

SSTDICC010

Tgt Ion: 79 Resp: 110234

Ion Ratio Lower Upper

79 100

108 83.7 66.0 99.0

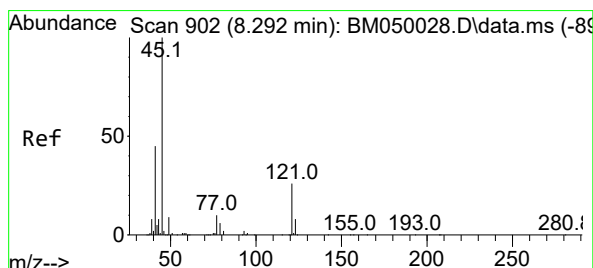
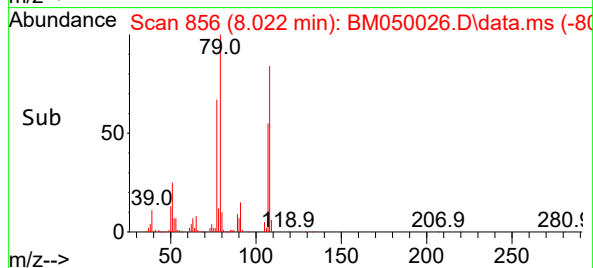
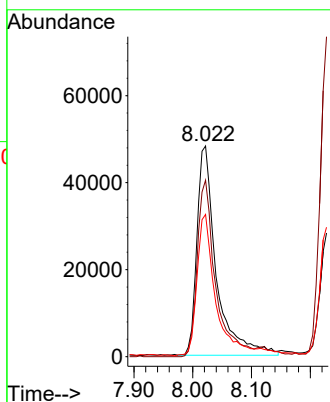
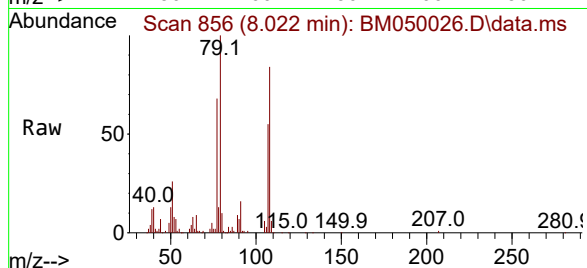
77 67.5 51.6 77.4

Manual Integrations

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Reviewed By :Rahul Chavli 04/29/2025

Supervised By :Jagrut Upadhyay 04/29/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 9.637 ng

RT: 8.292 min Scan# 902

Delta R.T. -0.000 min

Lab File: BM050026.D

Acq: 28 Apr 2025 13:48

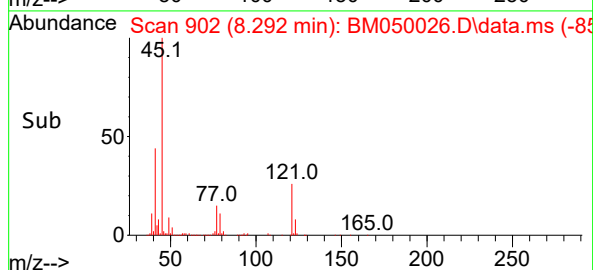
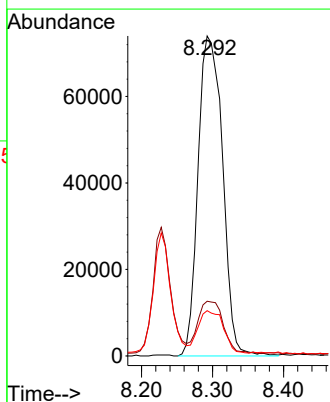
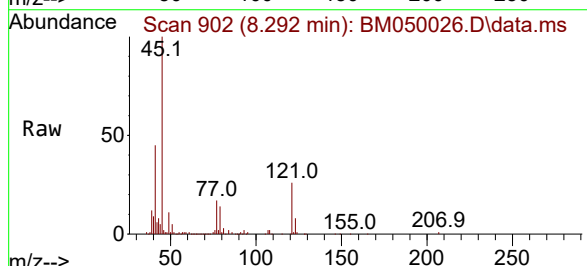
Tgt Ion: 45 Resp: 177776

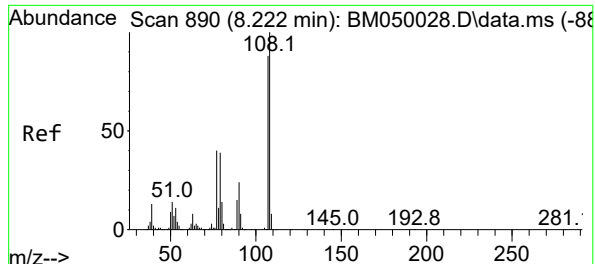
Ion Ratio Lower Upper

45 100

77 17.1 0.0 36.4

79 14.1 0.0 32.7





#17

2-Methylphenol

Concen: 9.325 ng

RT: 8.228 min Scan# 890

Delta R.T. 0.006 min

Lab File: BM050026.D

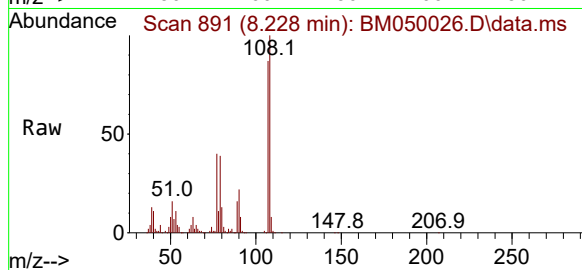
Acq: 28 Apr 2025 13:48

Instrument :

BNA_M

ClientSampleId :

SSTDICC010



Tgt Ion:107 Resp: 111639

Ion Ratio Lower Upper

107 100

108 115.1 91.1 136.7

77 46.6 36.2 54.4

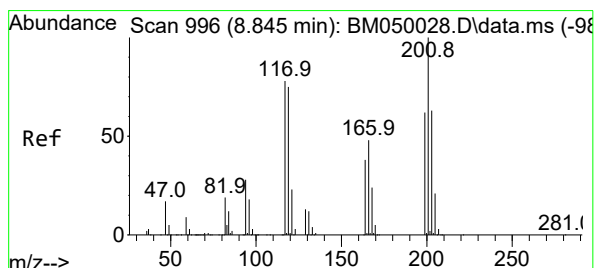
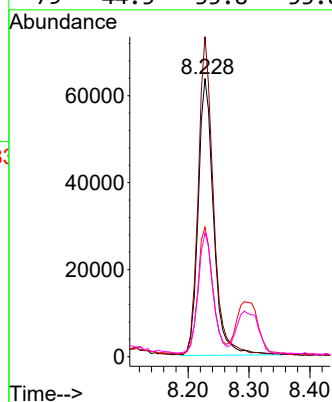
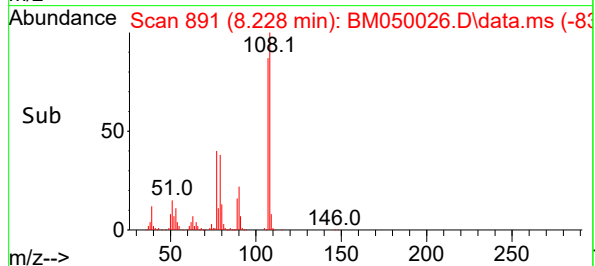
79 44.5 35.8 53.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/29/2025

Supervised By :Jagrut Upadhyay 04/29/2025



#18

Hexachloroethane

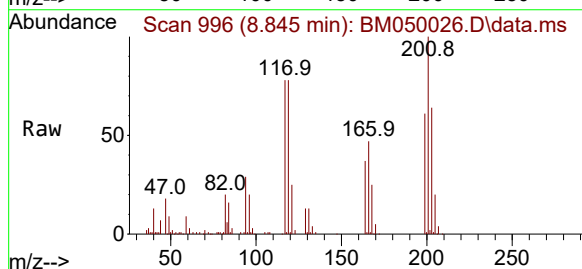
Concen: 9.530 ng

RT: 8.845 min Scan# 996

Delta R.T. -0.000 min

Lab File: BM050026.D

Acq: 28 Apr 2025 13:48



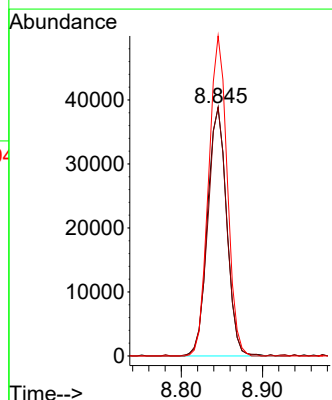
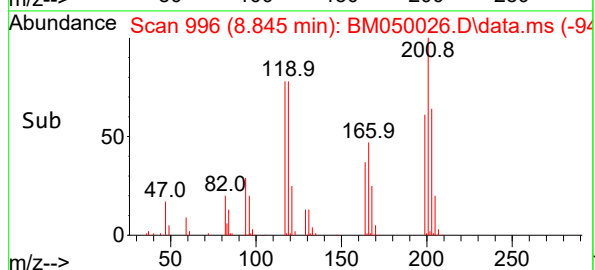
Tgt Ion:117 Resp: 63487

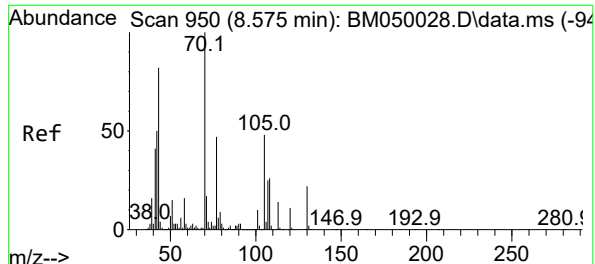
Ion Ratio Lower Upper

117 100

119 100.3 77.3 115.9

201 129.0 102.8 154.2





#19

n-Nitroso-di-n-propylamine

Concen: 9.609 ng

RT: 8.575 min Scan# 91

Delta R.T. -0.000 min

Lab File: BM050026.D

Acq: 28 Apr 2025 13:48

Instrument :

BNA_M

ClientSampleId :

SSTDICC010

Tgt Ion: 70 Resp: 11064

Ion Ratio Lower Upper

70 100

42 51.9 40.5 60.7

101 8.8 7.8 11.6

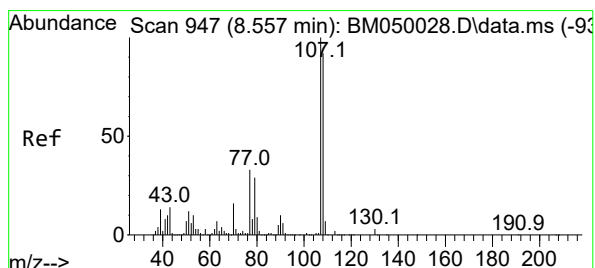
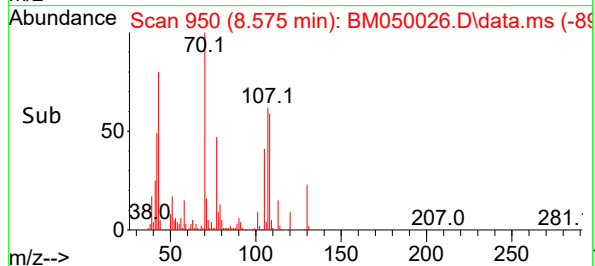
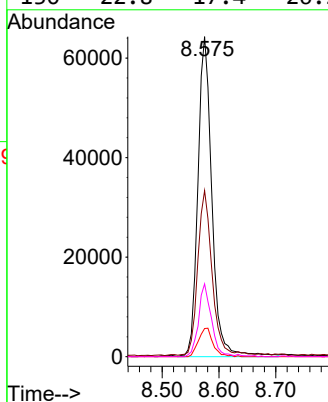
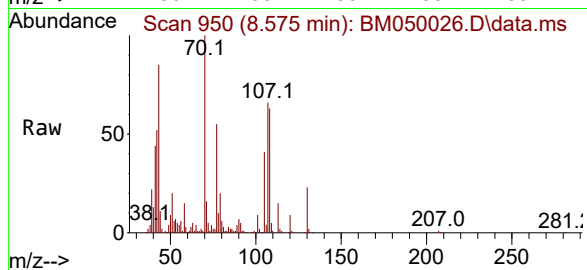
130 22.8 17.4 26.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/29/2025

Supervised By :Jagrut Upadhyay 04/29/2025



#20

3+4-Methylphenols

Concen: 9.049 ng

RT: 8.563 min Scan# 948

Delta R.T. 0.006 min

Lab File: BM050026.D

Acq: 28 Apr 2025 13:48

Tgt Ion:107 Resp: 146303

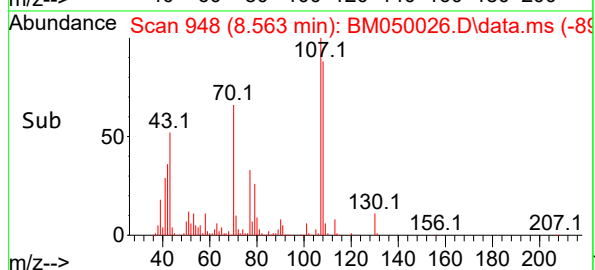
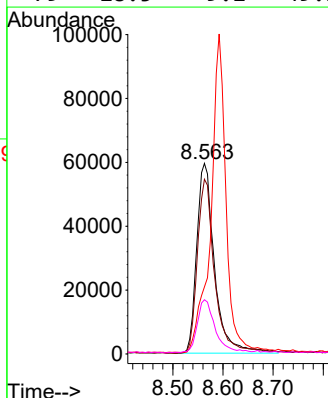
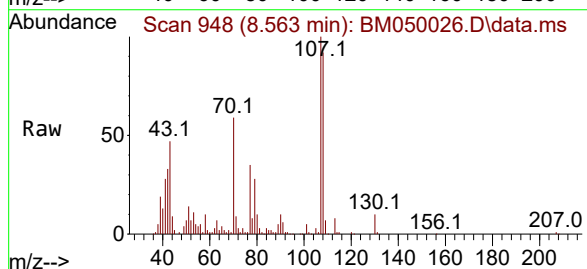
Ion Ratio Lower Upper

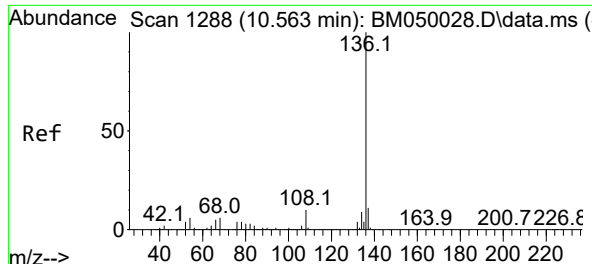
107 100

108 91.7 72.4 112.4

77 35.2 13.6 53.6

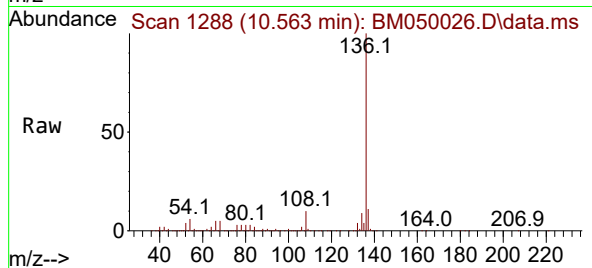
79 28.5 9.2 49.2





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1288
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

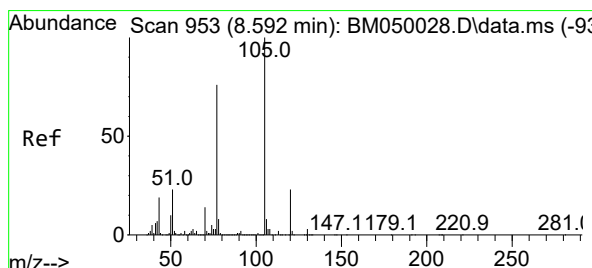
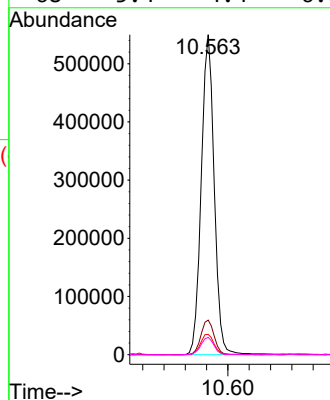
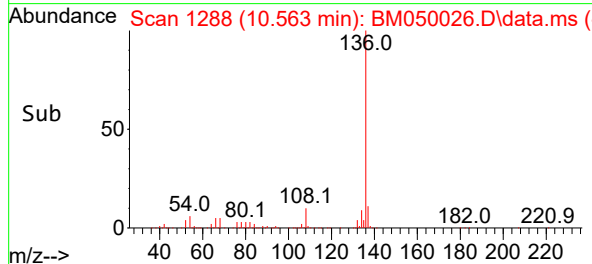
Instrument :
BNA_M
ClientSampleId :
SSTDICC010



Tgt Ion:136 Resp: 926512
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 6.3 5.1 7.7
68 5.4 4.4 6.6

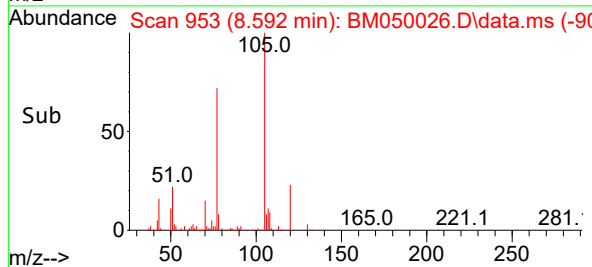
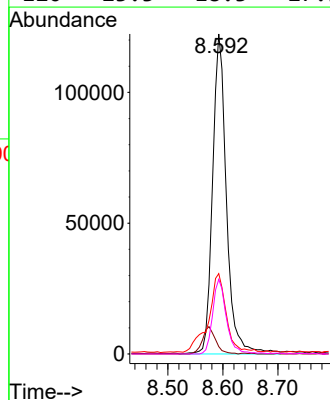
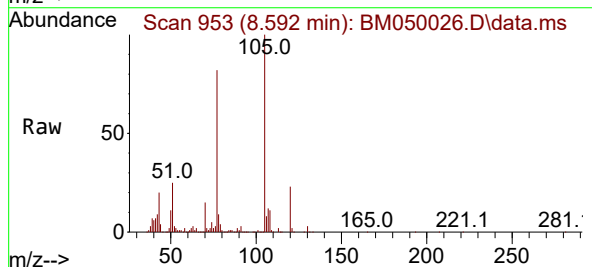
Manual Integrations
APPROVED

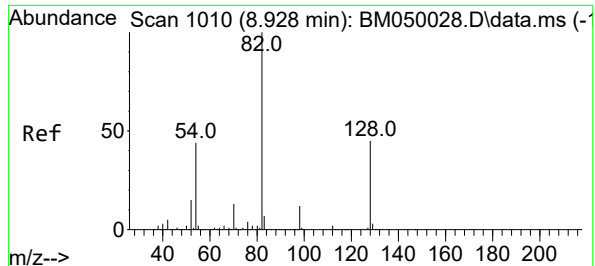
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#22
Acetophenone
Concen: 9.325 ng
RT: 8.592 min Scan# 953
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

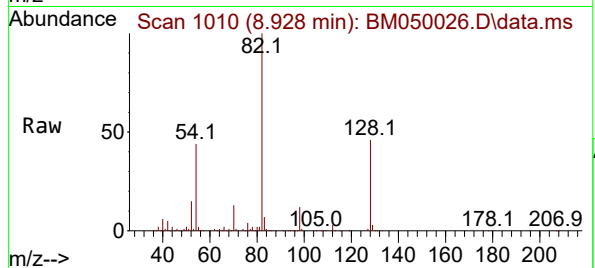
Tgt Ion:105 Resp: 214790
Ion Ratio Lower Upper
105 100
71 2.3 1.7 2.5
51 25.1 18.6 27.8
120 23.3 18.3 27.5





#23
Nitrobenzene-d5
Concen: 18.420 ng
RT: 8.928 min Scan# 1010
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

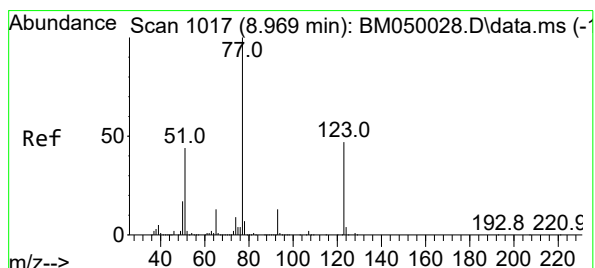
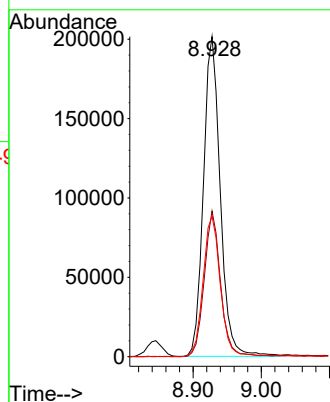
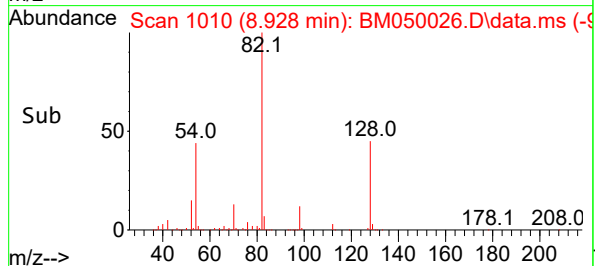
Instrument :
BNA_M
ClientSampleId :
SSTDICC010



Tgt Ion: 82 Resp: 346334
Ion Ratio Lower Upper
82 100
128 45.5 35.7 53.5
54 43.9 35.4 53.2

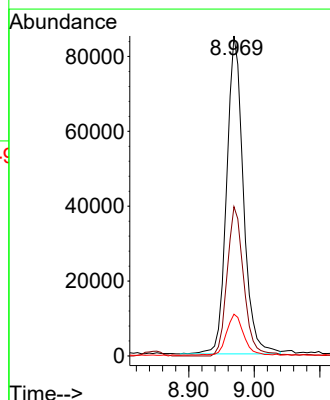
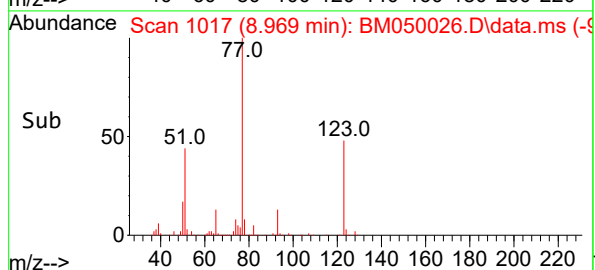
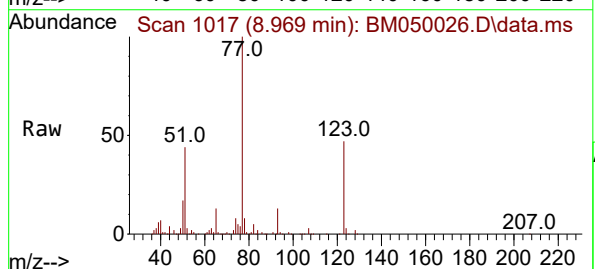
Manual Integrations
APPROVED

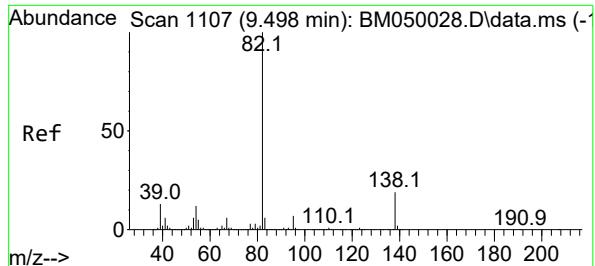
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#24
Nitrobenzene
Concen: 9.259 ng
RT: 8.969 min Scan# 1017
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

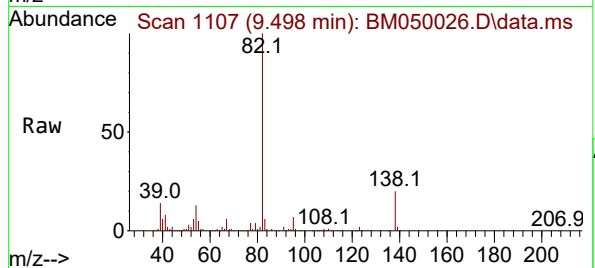
Tgt Ion: 77 Resp: 150534
Ion Ratio Lower Upper
77 100
123 46.6 37.9 56.9
65 13.0 10.1 15.1





#25
Isophorone
Concen: 9.366 ng
RT: 9.498 min Scan# 1107
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

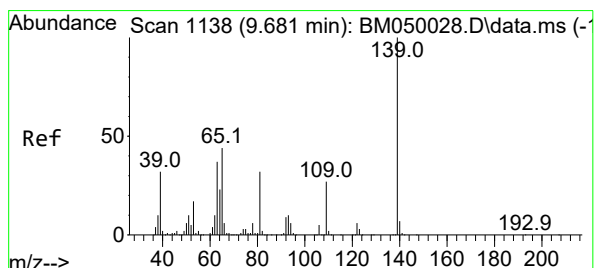
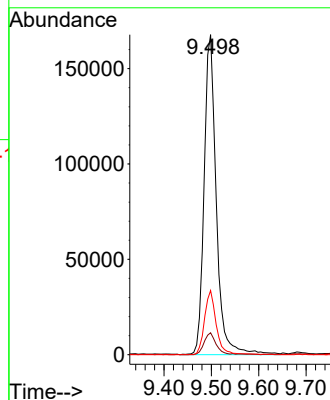
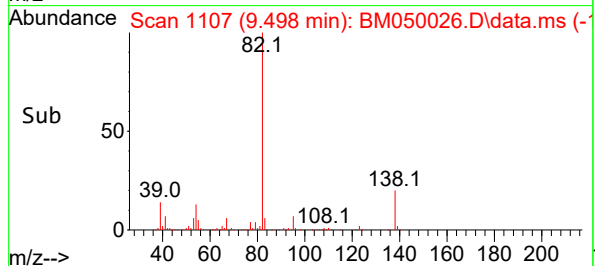
Instrument :
BNA_M
ClientSampleId :
SSTDICC010



Tgt Ion: 82 Resp: 300179
Ion Ratio Lower Upper
82 100
95 6.9 5.7 8.5
138 20.1 15.5 23.3

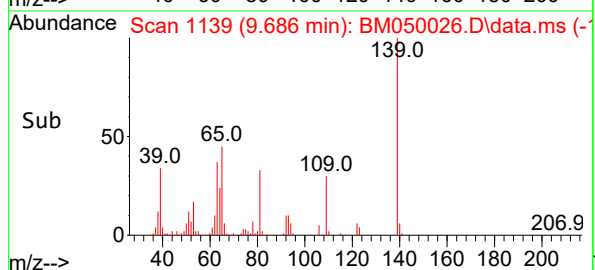
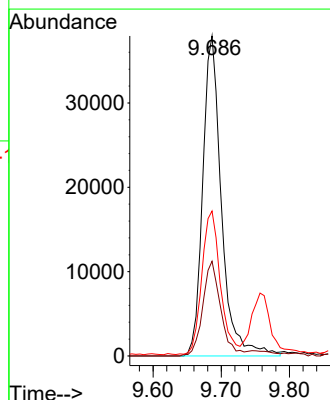
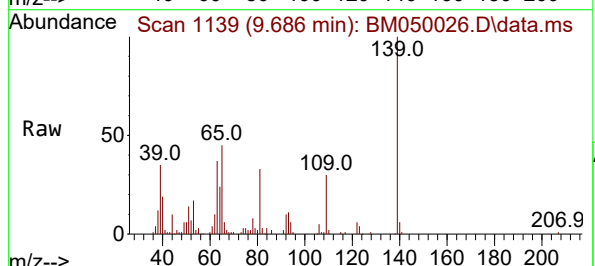
Manual Integrations
APPROVED

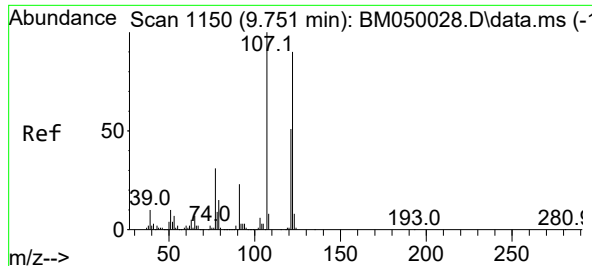
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#26
2-Nitrophenol
Concen: 8.732 ng
RT: 9.686 min Scan# 1139
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

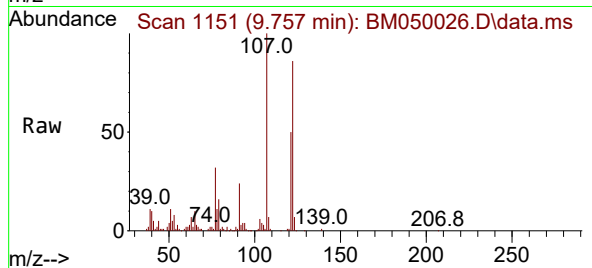
Tgt Ion:139 Resp: 72521
Ion Ratio Lower Upper
139 100
109 29.6 21.9 32.9
65 45.3 35.4 53.2





#27
2,4-Dimethylphenol
Concen: 8.960 ng
RT: 9.757 min Scan# 1151
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

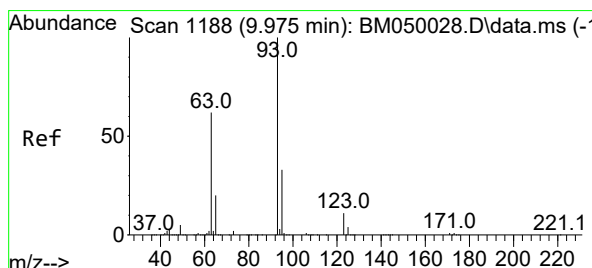
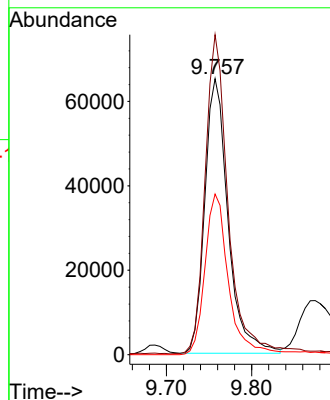
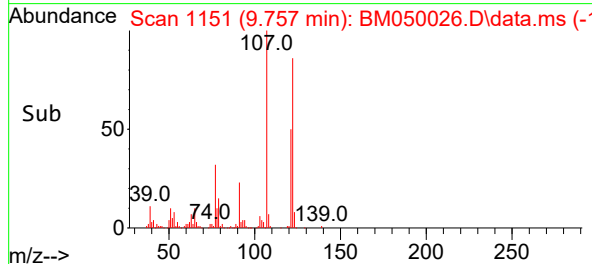
Instrument :
BNA_M
ClientSampleId :
SSTDICC010



Tgt Ion:122 Resp: 123400
Ion Ratio Lower Upper
122 100
107 115.9 89.0 133.6
121 58.2 45.6 68.4

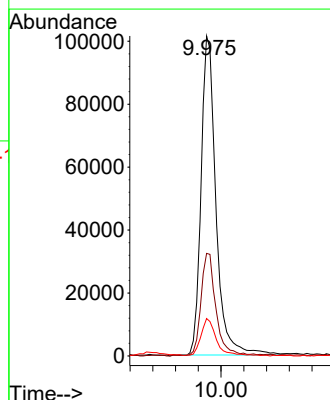
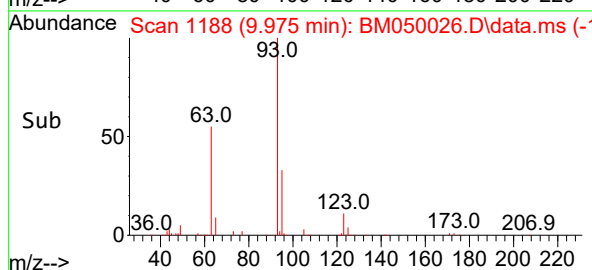
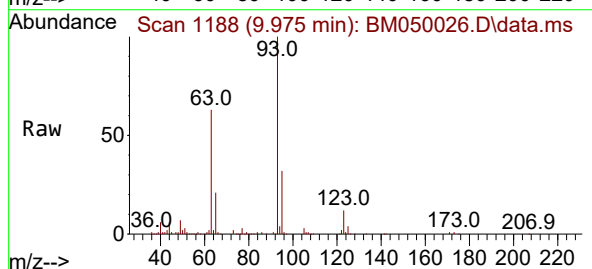
Manual Integrations
APPROVED

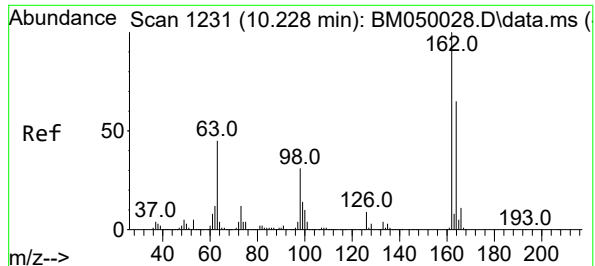
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#28
bis(2-Chloroethoxy)methane
Concen: 9.331 ng
RT: 9.975 min Scan# 1188
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

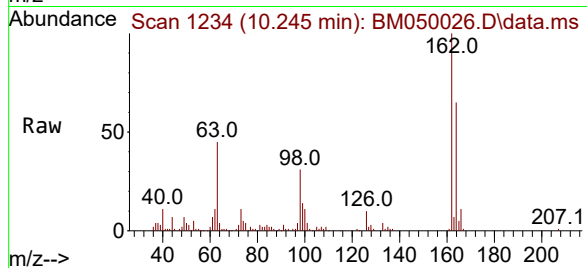
Tgt Ion: 93 Resp: 184837
Ion Ratio Lower Upper
93 100
95 32.0 26.1 39.1
123 11.7 9.5 14.3





#29
2,4-Dichlorophenol
Concen: 8.938 ng
RT: 10.245 min Scan# 1234
Delta R.T. 0.018 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

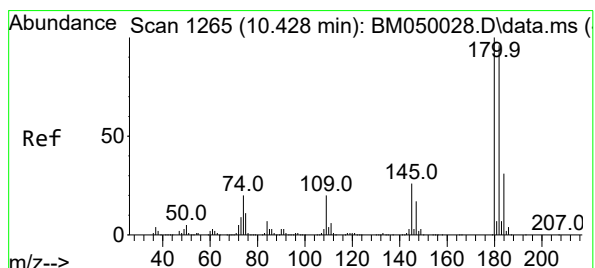
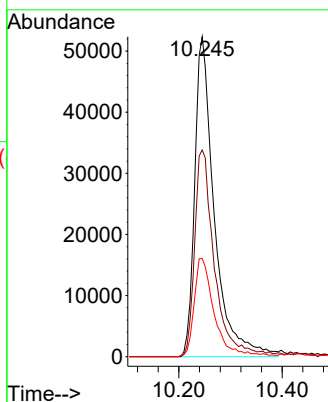
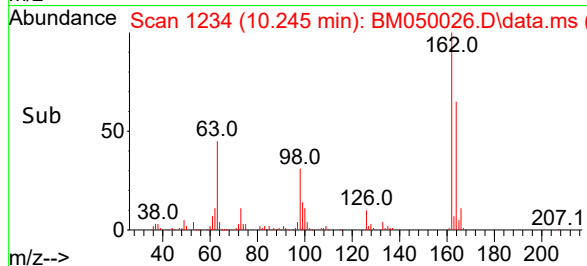
Instrument :
BNA_M
ClientSampleId :
SSTDICC010



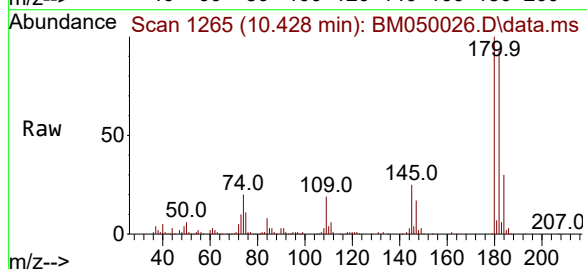
Tgt Ion:162 Resp: 137910
Ion Ratio Lower Upper
162 100
164 64.6 45.4 85.4
98 30.7 11.3 51.3

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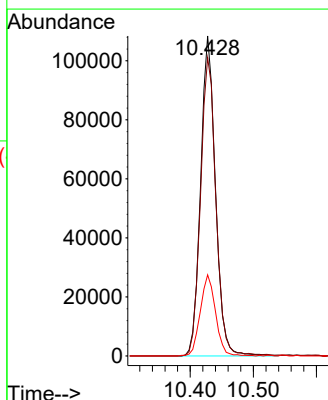
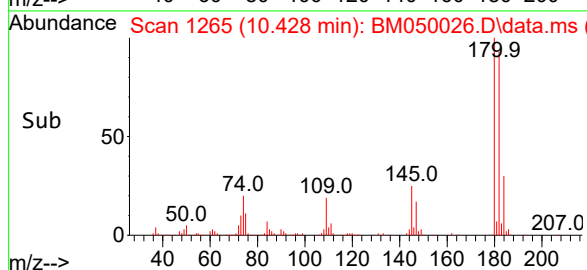
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

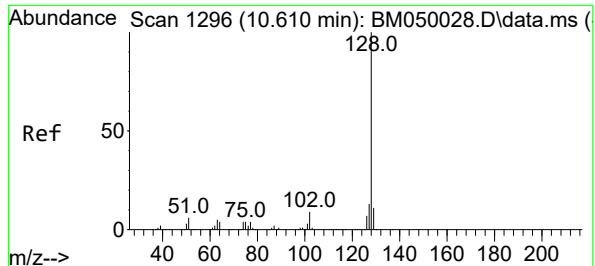


#30
1,2,4-Trichlorobenzene
Concen: 9.453 ng
RT: 10.428 min Scan# 1265
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48



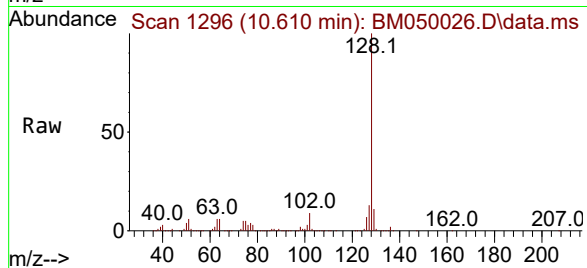
Tgt Ion:180 Resp: 177721
Ion Ratio Lower Upper
180 100
182 93.2 77.0 115.4
145 25.3 20.6 30.8





#31
Naphthalene
Concen: 9.467 ng
RT: 10.610 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

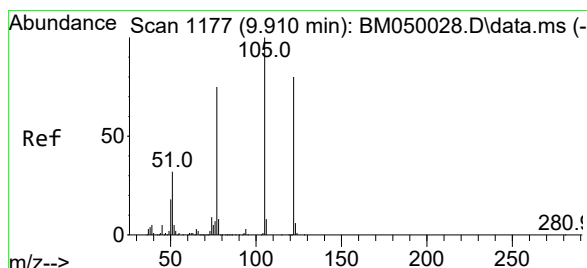
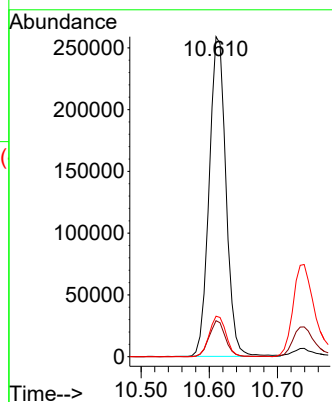
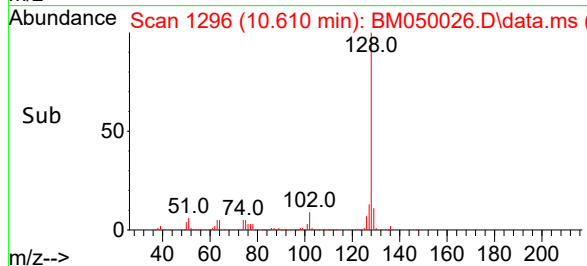
Instrument :
BNA_M
ClientSampleId :
SSTDICC010



Tgt Ion:128 Resp: 444200
Ion Ratio Lower Upper
128 100
129 11.2 8.8 13.2
127 12.7 10.4 15.6

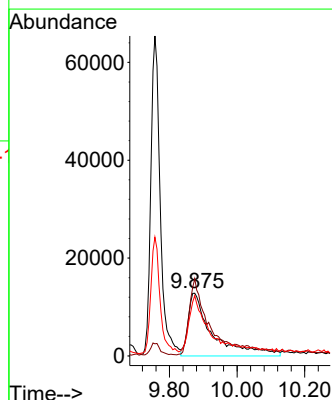
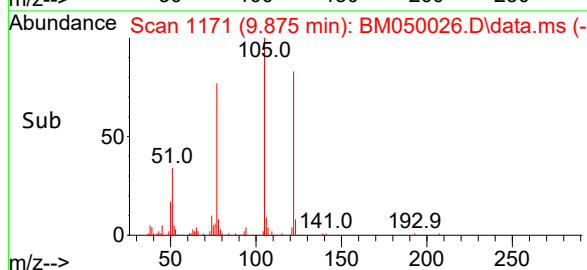
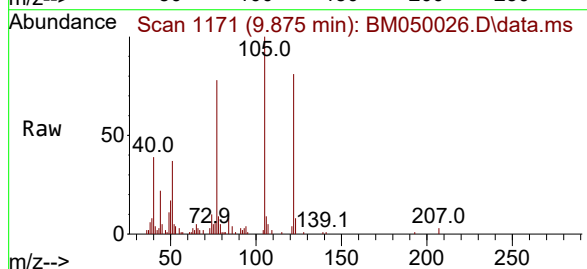
Manual Integrations
APPROVED

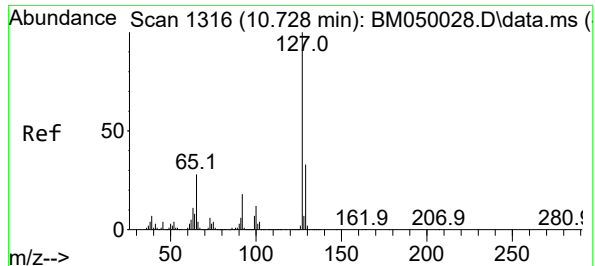
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#32
Benzoic acid
Concen: 7.282 ng m
RT: 9.875 min Scan# 1171
Delta R.T. -0.035 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

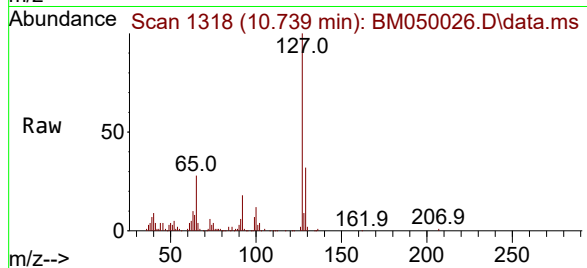
Tgt Ion:122 Resp: 63971
Ion Ratio Lower Upper
122 100
105 123.3 103.6 143.6
77 96.2 73.7 113.7





#33
4-Chloroaniline
Concen: 9.458 ng
RT: 10.739 min Scan# 1316
Delta R.T. 0.012 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

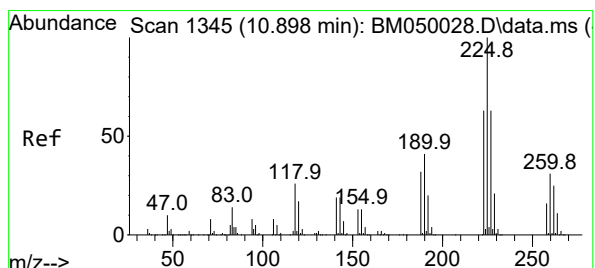
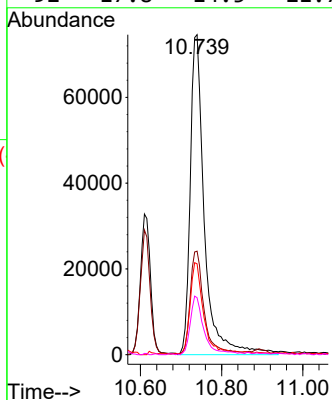
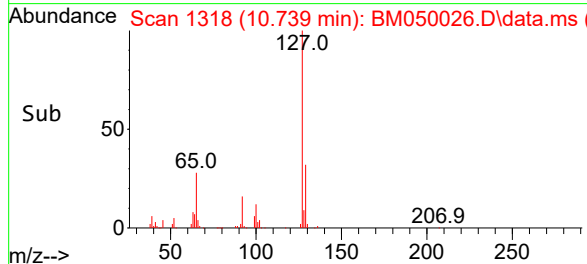
Instrument :
BNA_M
ClientSampleId :
SSTDICC010



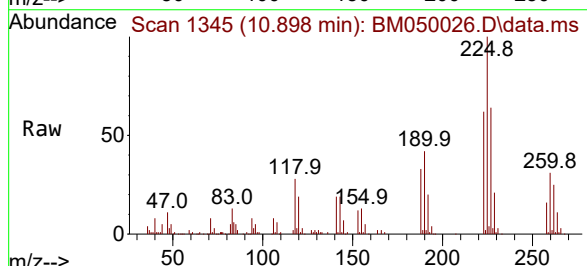
Tgt Ion:127 Resp: 18190
Ion Ratio Lower Upper
127 100
129 32.4 26.3 39.5
65 28.4 22.5 33.7
92 17.8 14.5 21.7

Manual Integrations
APPROVED

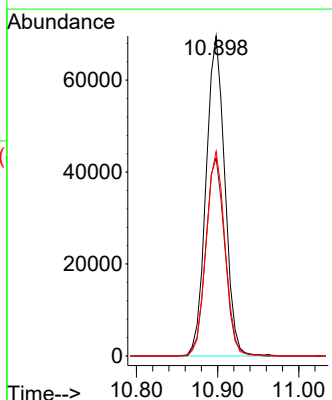
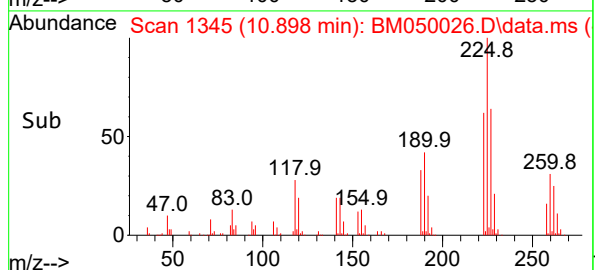
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

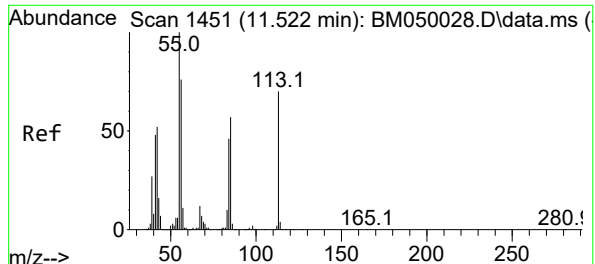


#34
Hexachlorobutadiene
Concen: 9.327 ng
RT: 10.898 min Scan# 1345
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48



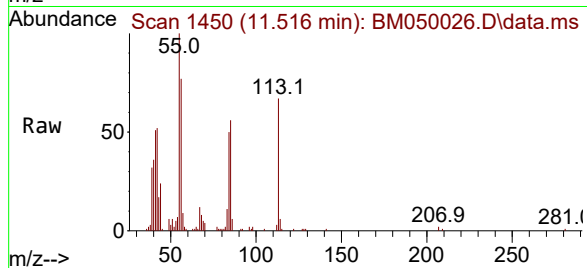
Tgt Ion:225 Resp: 111307
Ion Ratio Lower Upper
225 100
223 61.9 50.2 75.2
227 63.9 50.6 76.0





#35
Caprolactam
Concen: 8.745 ng
RT: 11.516 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

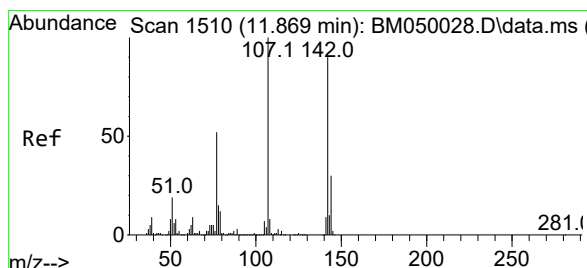
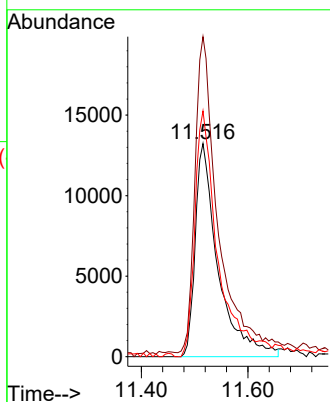
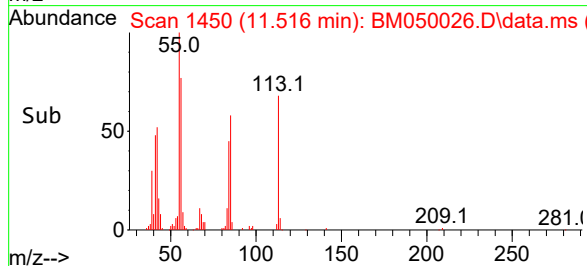
Instrument :
BNA_M
ClientSampleId :
SSTDICC010



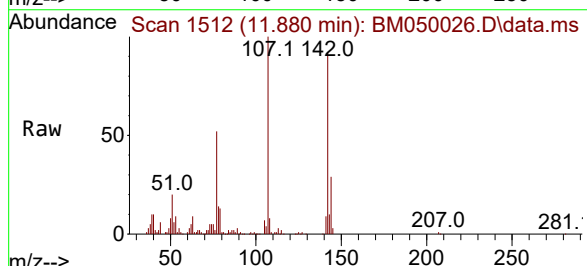
Tgt Ion:113 Resp: 39344
Ion Ratio Lower Upper
113 100
55 150.2 122.9 162.9
56 115.3 88.1 128.1

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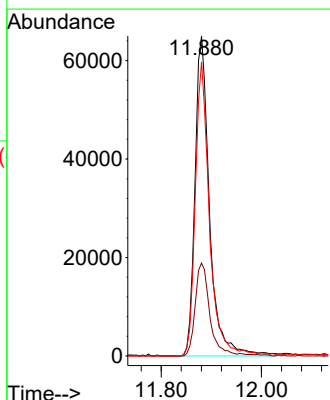
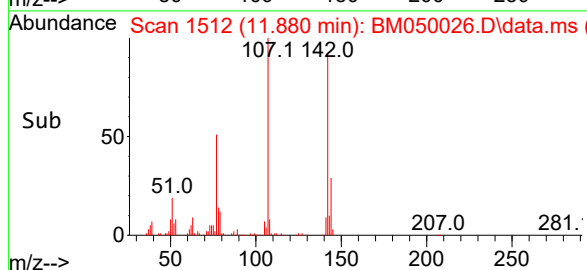
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

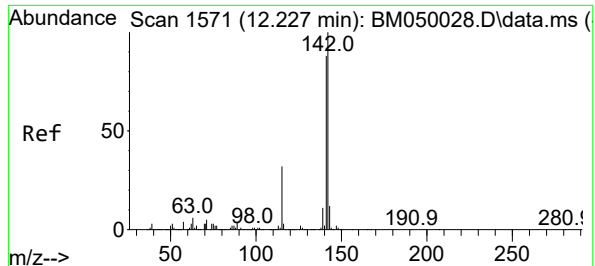


#36
4-Chloro-3-methylphenol
Concen: 9.194 ng
RT: 11.880 min Scan# 1512
Delta R.T. 0.012 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48



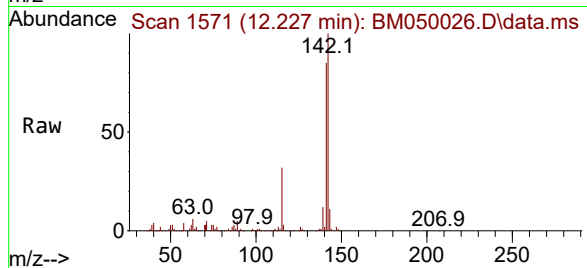
Tgt Ion:107 Resp: 131076
Ion Ratio Lower Upper
107 100
144 29.1 23.8 35.6
142 91.9 71.9 107.9





#37
2-Methylnaphthalene
Concen: 9.411 ng
RT: 12.227 min Scan# 1571
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

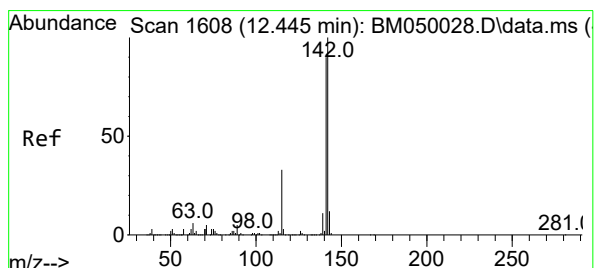
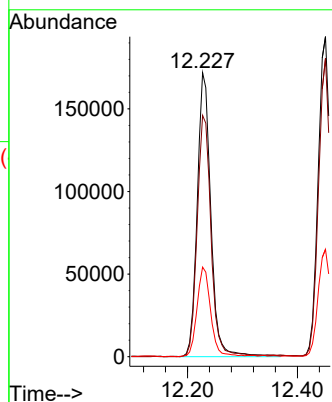
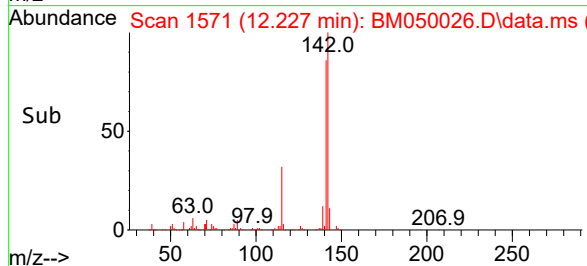
Instrument :
BNA_M
ClientSampleId :
SSTDICC010



Tgt Ion:142 Resp: 296051
Ion Ratio Lower Upper
142 100
141 85.0 70.4 105.6
115 31.5 25.4 38.2

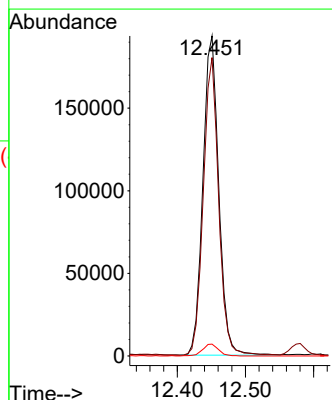
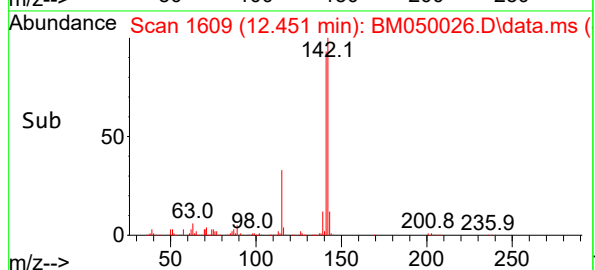
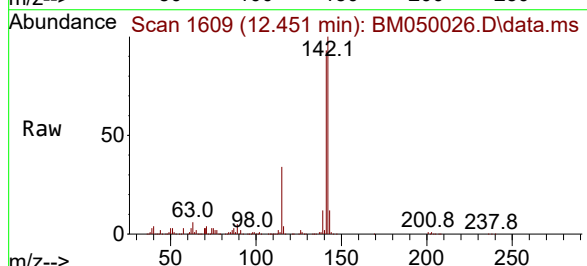
Manual Integrations
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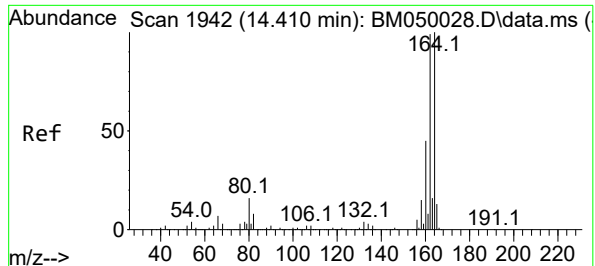
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#38
1-Methylnaphthalene
Concen: 9.387 ng
RT: 12.451 min Scan# 1609
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:142 Resp: 312512
Ion Ratio Lower Upper
142 100
141 93.3 72.1 108.1
116 3.7 2.7 4.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.410 min Scan# 1942

Delta R.T. -0.000 min

Lab File: BM050026.D

Acq: 28 Apr 2025 13:48

Instrument :

BNA_M

ClientSampleId :

SSTDICC010

Tgt Ion:164 Resp: 636652

Ion Ratio Lower Upper

164 100

162 97.3 79.4 119.0

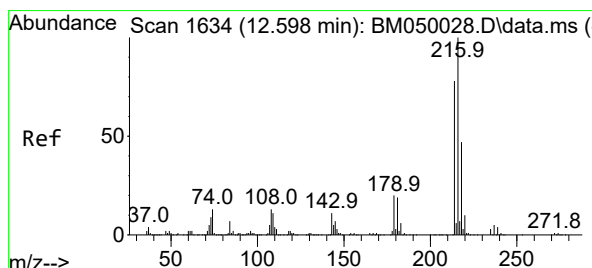
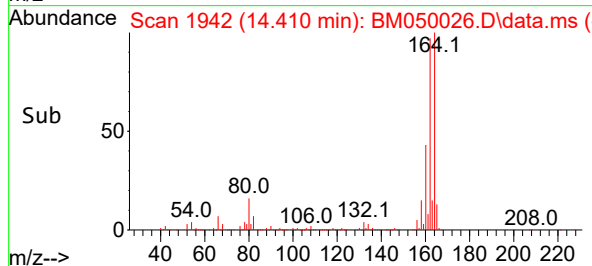
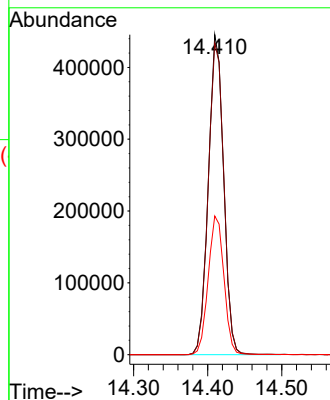
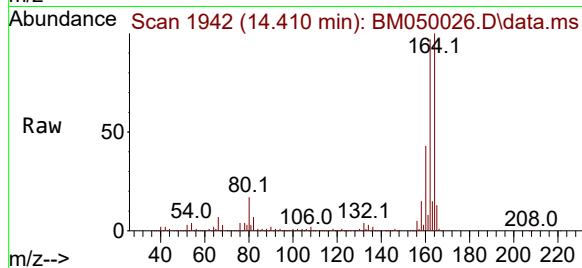
160 43.3 36.2 54.4

Manual Integrations

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Reviewed By :Rahul Chavli 04/29/2025

Supervised By :Jagrut Upadhyay 04/29/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 8.981 ng

RT: 12.604 min Scan# 1635

Delta R.T. 0.006 min

Lab File: BM050026.D

Acq: 28 Apr 2025 13:48

Tgt Ion:216 Resp: 197943

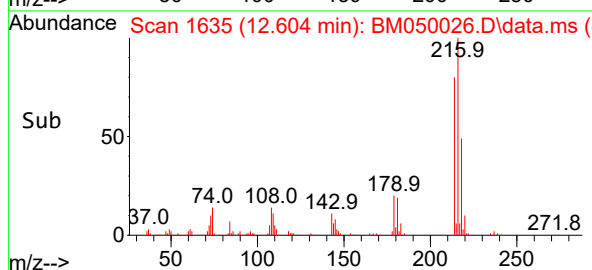
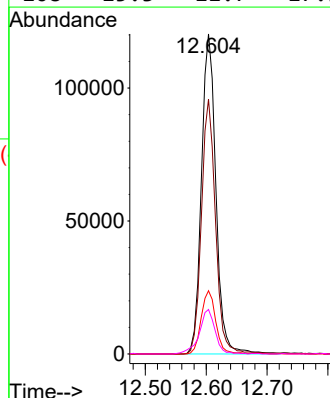
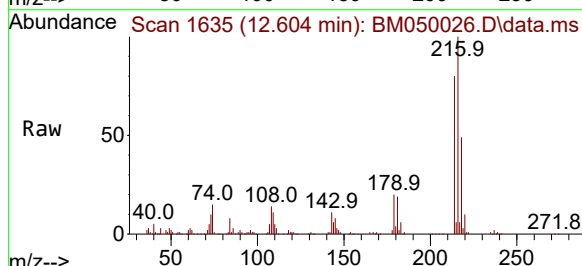
Ion Ratio Lower Upper

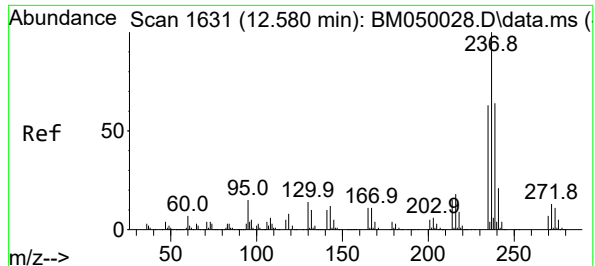
216 100

214 77.7 62.3 93.5

179 20.0 15.4 23.0

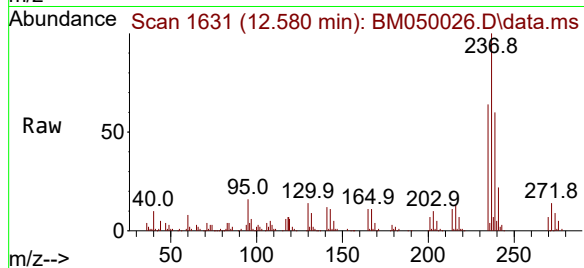
108 15.3 11.7 17.5





#41
Hexachlorocyclopentadiene
Concen: 7.166 ng
RT: 12.580 min Scan# 1631
Delta R.T. 0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

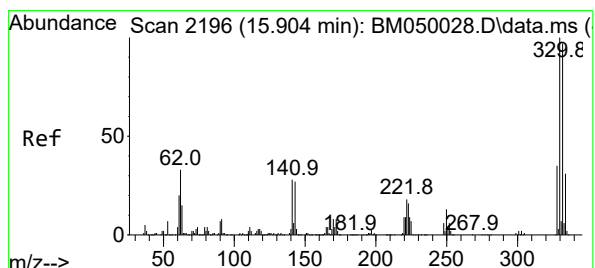
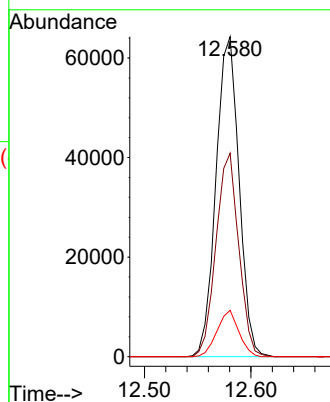
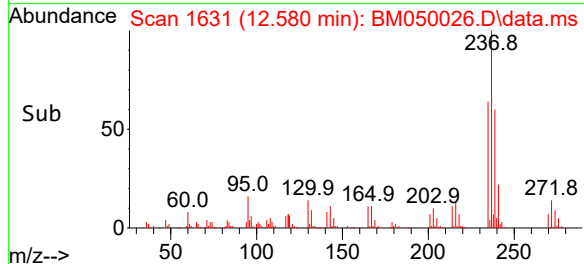
Instrument :
BNA_M
ClientSampleId :
SSTDICC010



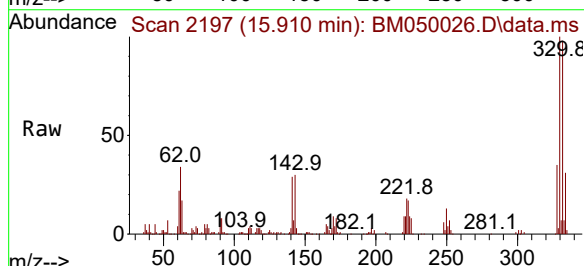
Tgt Ion:237 Resp: 9652
Ion Ratio Lower Upper
237 100
235 63.6 42.9 82.9
272 14.5 0.0 32.9

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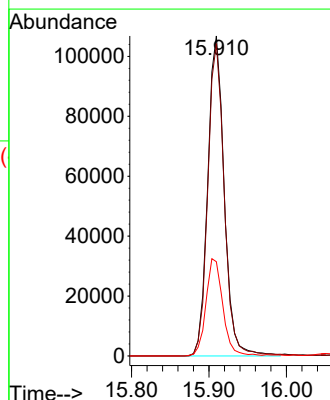
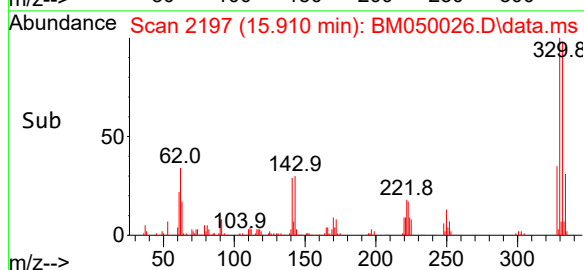
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

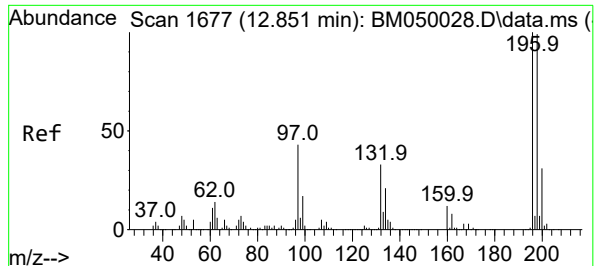


#42
2,4,6-Tribromophenol
Concen: 16.820 ng
RT: 15.910 min Scan# 2197
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48



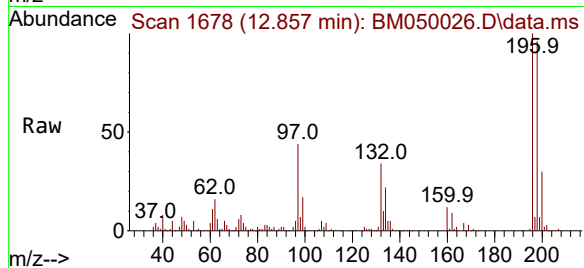
Tgt Ion:330 Resp: 158339
Ion Ratio Lower Upper
330 100
332 97.5 77.3 115.9
141 31.1 22.5 33.7





#43
2,4,6-Trichlorophenol
Concen: 8.673 ng
RT: 12.857 min Scan# 1677
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

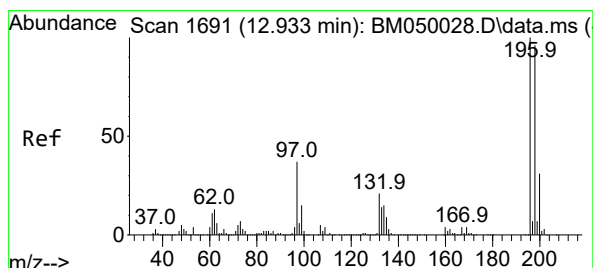
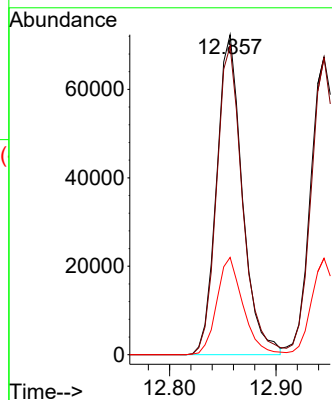
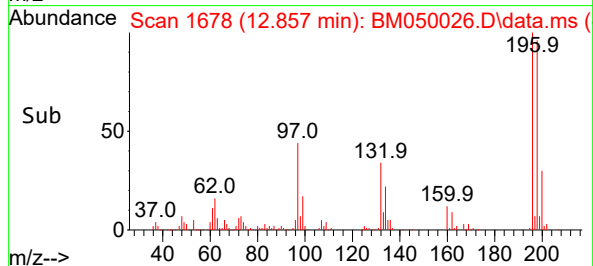
Instrument :
BNA_M
ClientSampleId :
SSTDICC010



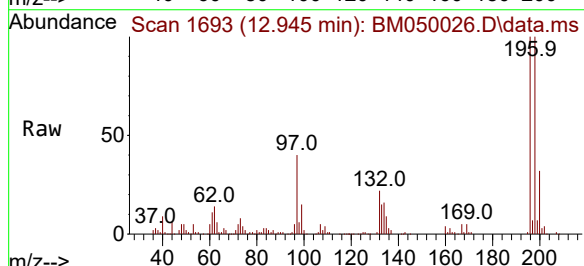
Tgt Ion:196 Resp: 121240
Ion Ratio Lower Upper
196 100
198 96.5 79.0 118.6
200 30.4 25.1 37.7

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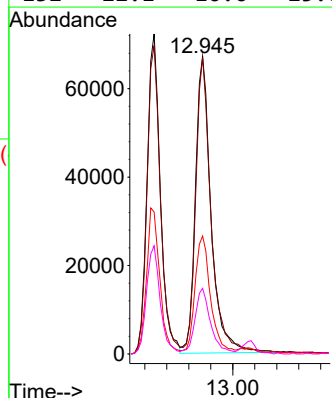
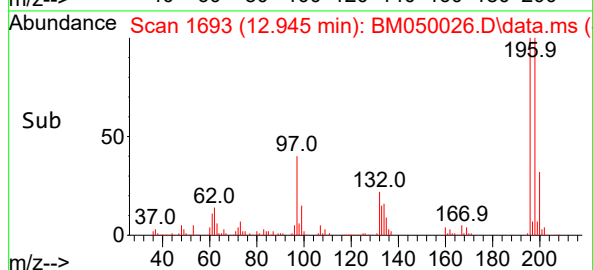
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

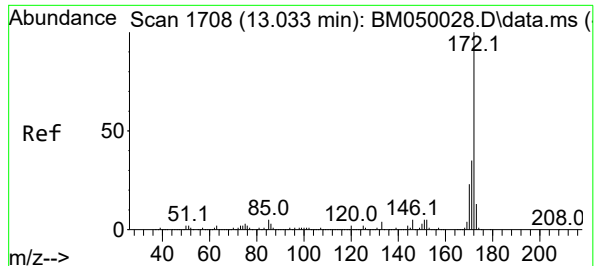


#44
2,4,5-Trichlorophenol
Concen: 8.815 ng
RT: 12.945 min Scan# 1693
Delta R.T. 0.012 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48



Tgt Ion:196 Resp: 132882
Ion Ratio Lower Upper
196 100
198 99.7 76.7 115.1
97 39.6 30.1 45.1
132 22.1 16.6 25.0





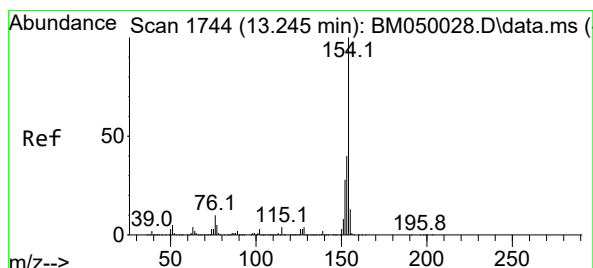
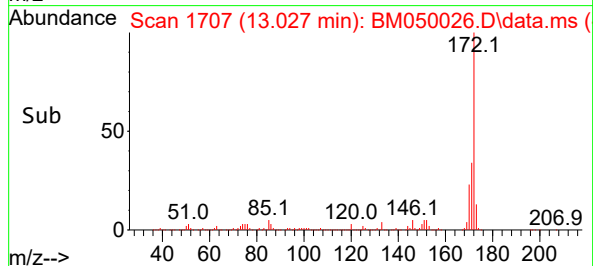
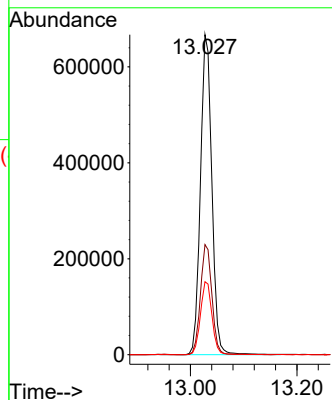
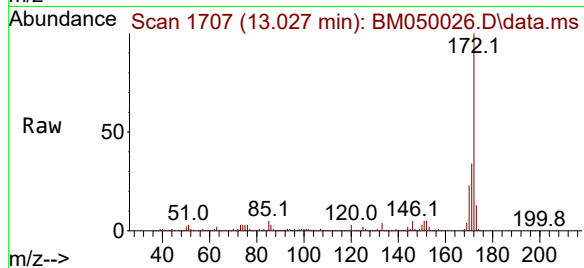
#45
2-Fluorobiphenyl
Concen: 18.394 ng
RT: 13.027 min Scan# 1708
Delta R.T. -0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:172 Resp: 98991
Ion Ratio Lower Upper
172 100
171 34.4 27.8 41.6
170 22.8 18.6 28.0

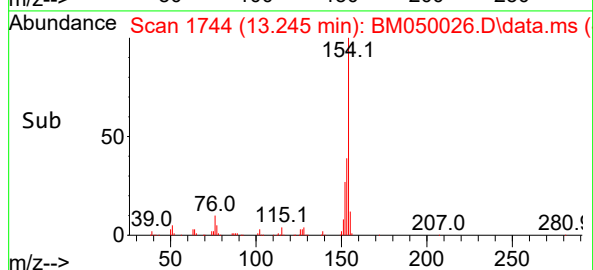
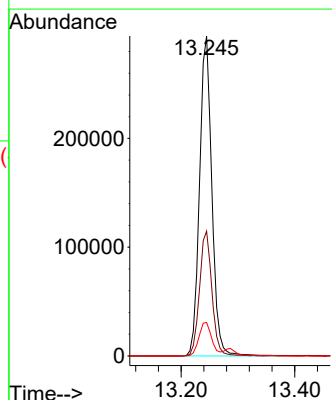
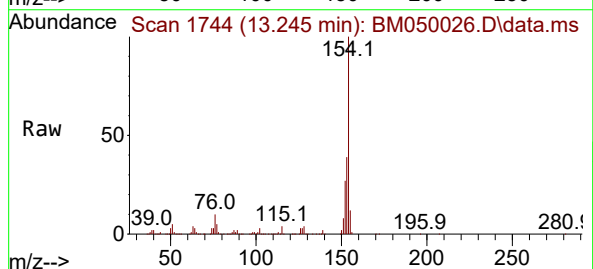
Manual Integrations
APPROVED

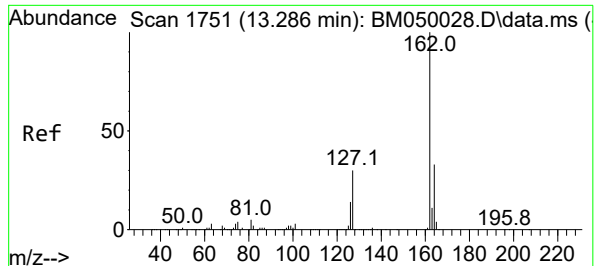
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#46
1,1'-Biphenyl
Concen: 9.381 ng
RT: 13.245 min Scan# 1744
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:154 Resp: 443960
Ion Ratio Lower Upper
154 100
153 39.0 20.0 60.0
76 10.4 0.0 30.3





#47

2-Chloronaphthalene

Concen: 9.447 ng

RT: 13.286 min Scan# 1751

Delta R.T. -0.000 min

Lab File: BM050026.D

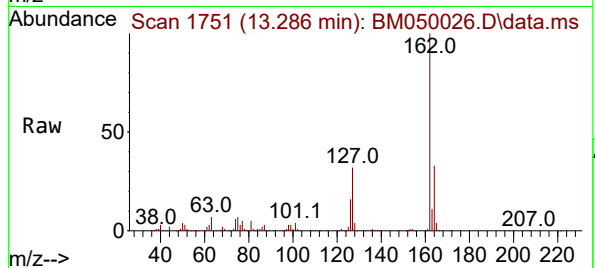
Acq: 28 Apr 2025 13:48

Instrument :

BNA_M

ClientSampleId :

SSTDICC010



Tgt Ion:162 Resp: 35410

Ion Ratio Lower Upper

162 100

127 32.3 25.9 38.9

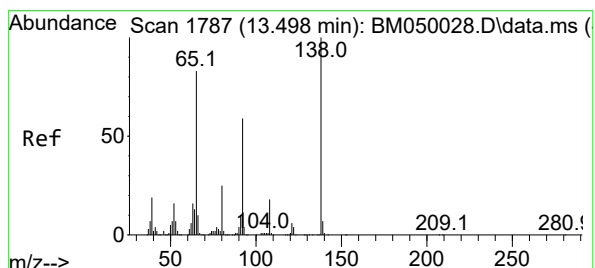
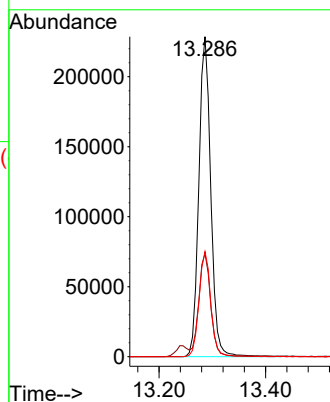
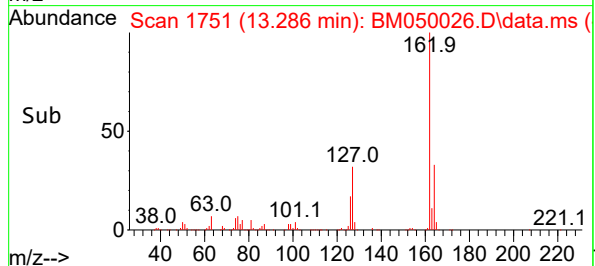
164 32.8 26.6 40.0

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Reviewed By :Rahul Chavli 04/29/2025

Supervised By :Jagrut Upadhyay 04/29/2025



#48

2-Nitroaniline

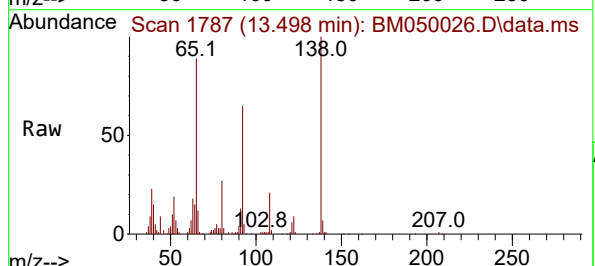
Concen: 8.764 ng

RT: 13.498 min Scan# 1787

Delta R.T. -0.000 min

Lab File: BM050026.D

Acq: 28 Apr 2025 13:48



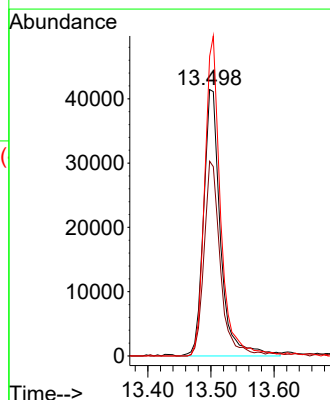
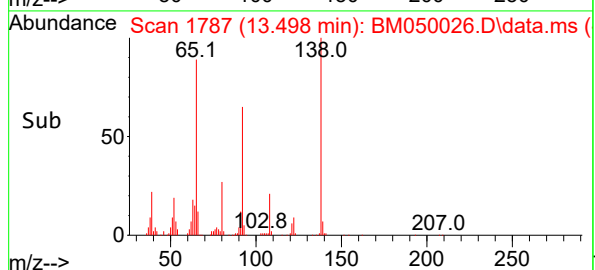
Tgt Ion: 65 Resp: 77101

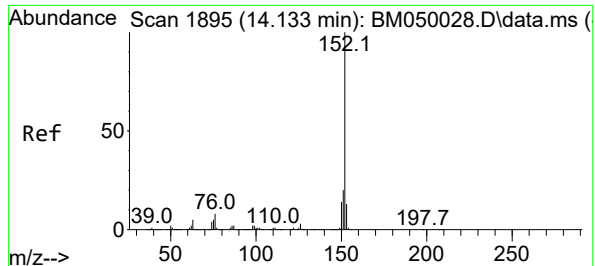
Ion Ratio Lower Upper

65 100

92 73.1 57.1 85.7

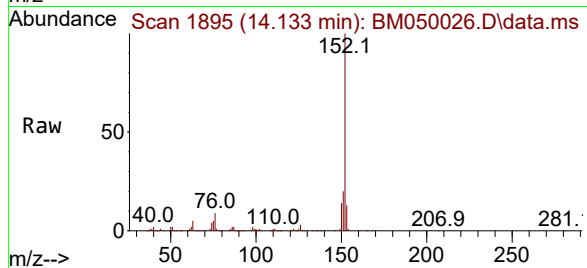
138 112.5 97.0 145.4





#49
Acenaphthylene
Concen: 9.235 ng
RT: 14.133 min Scan# 1895
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

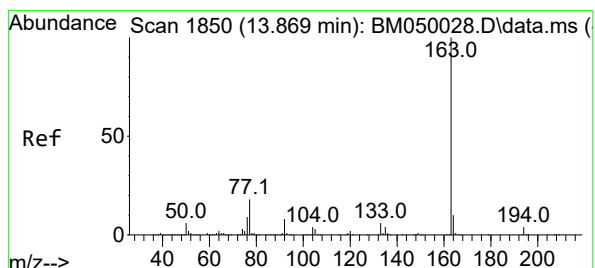
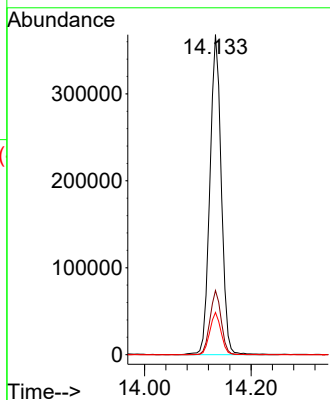
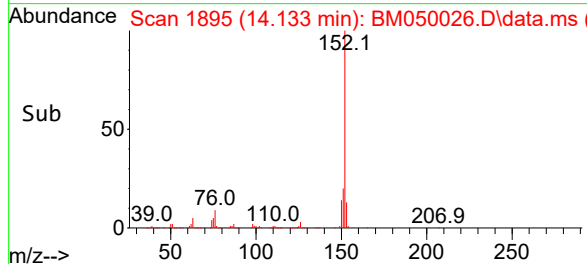
Instrument :
BNA_M
ClientSampleId :
SSTDICC010



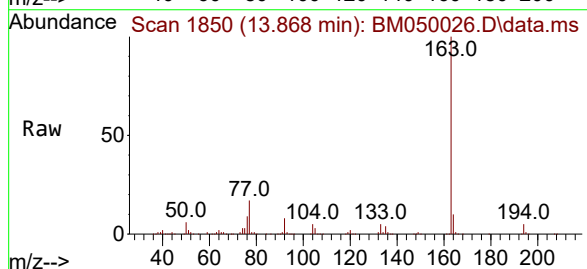
Tgt Ion:152 Resp: 545774
Ion Ratio Lower Upper
152 100
151 20.0 15.8 23.8
153 13.2 10.6 15.8

Manual Integrations
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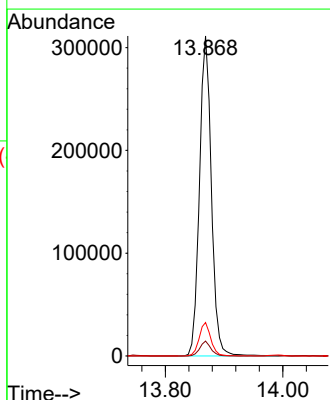
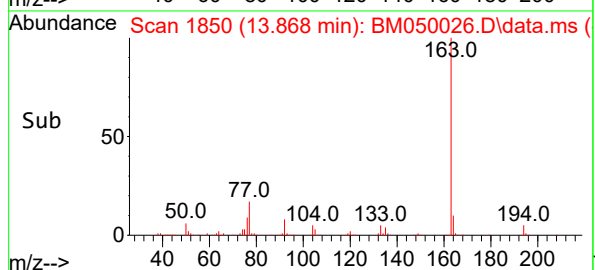
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

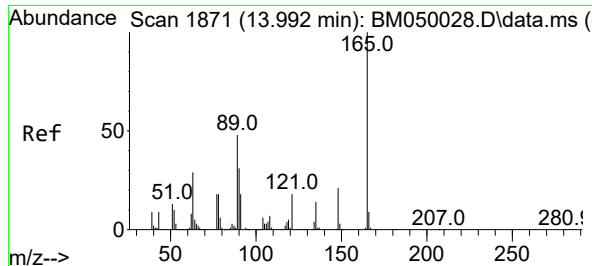


#50
Dimethylphthalate
Concen: 9.419 ng
RT: 13.868 min Scan# 1850
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48



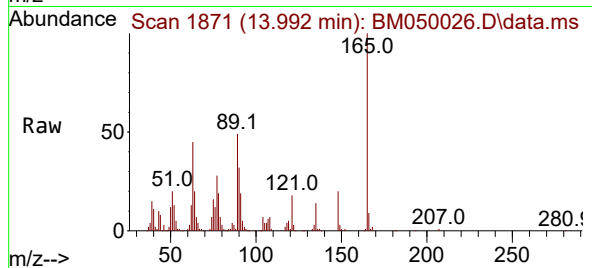
Tgt Ion:163 Resp: 438261
Ion Ratio Lower Upper
163 100
194 4.6 3.4 5.2
164 10.5 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 8.953 ng
RT: 13.992 min Scan# 1871
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

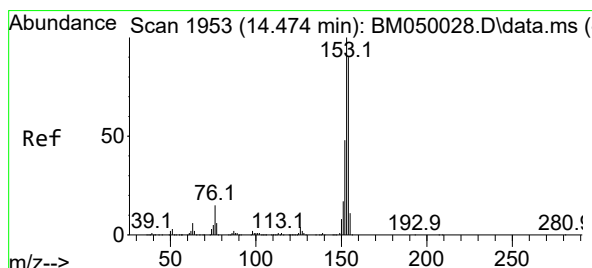
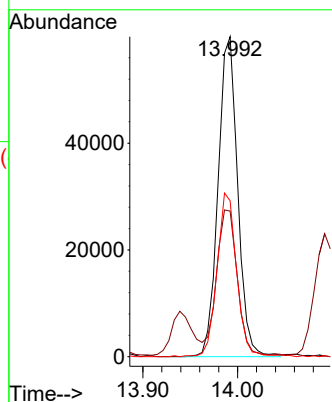
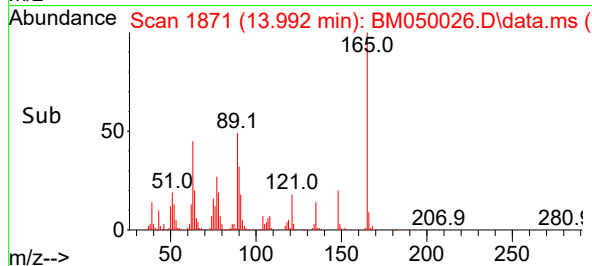
Instrument :
BNA_M
ClientSampleId :
SSTDICC010



Tgt Ion:165 Resp: 8624
Ion Ratio Lower Upper
165 100
63 45.5 35.1 52.7
89 48.7 38.4 57.6

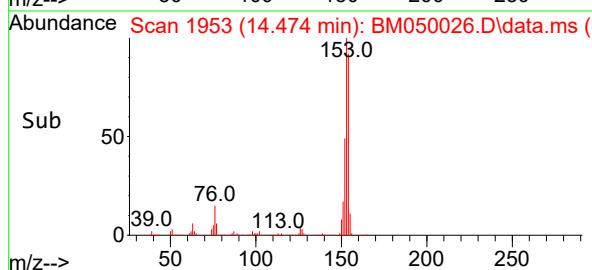
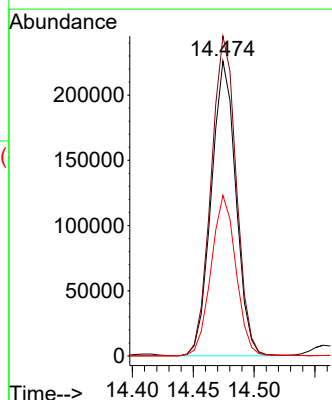
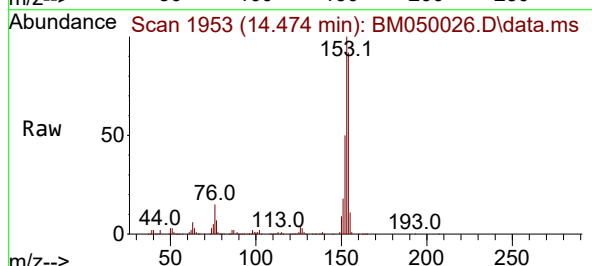
Manual Integrations
APPROVED

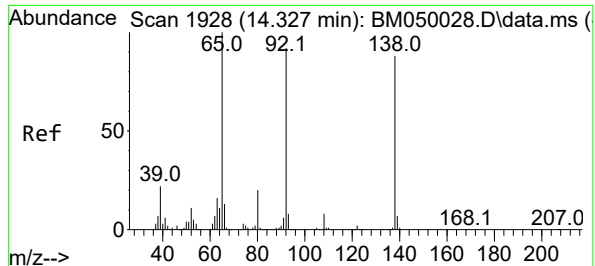
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#52
Acenaphthene
Concen: 9.288 ng
RT: 14.474 min Scan# 1953
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Tgt Ion:154 Resp: 317735
Ion Ratio Lower Upper
154 100
153 108.5 89.0 133.4
152 54.5 43.0 64.6





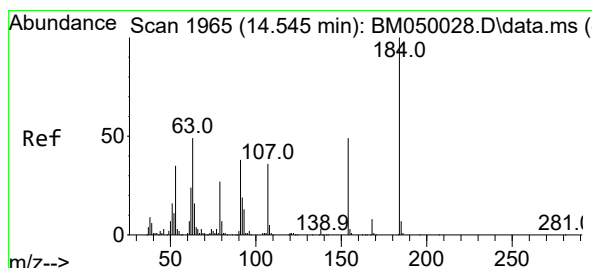
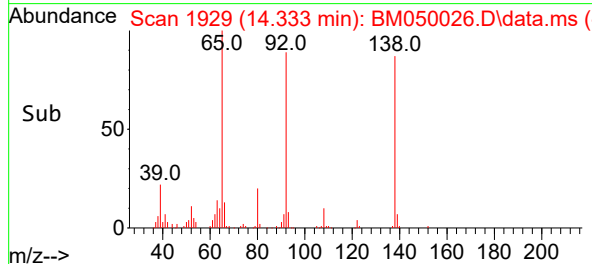
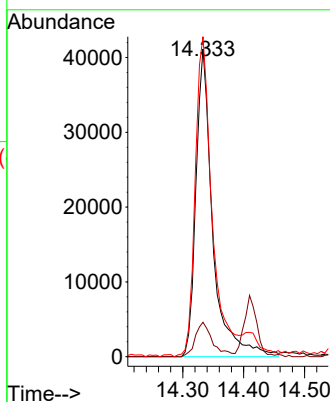
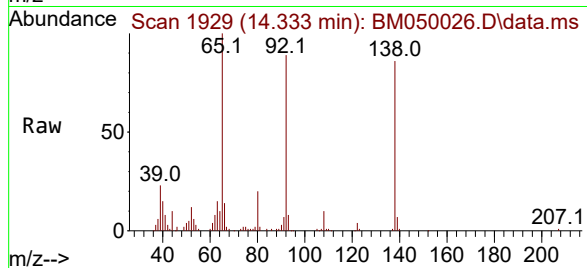
#53
3-Nitroaniline
Concen: 8.559 ng
RT: 14.333 min Scan# 1929
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:138 Resp: 78720
Ion Ratio Lower Upper
138 100
108 11.2 7.4 11.2
92 104.0 84.0 126.0

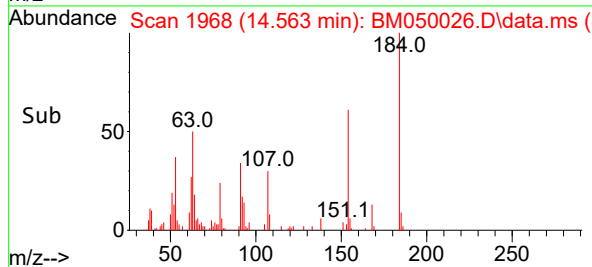
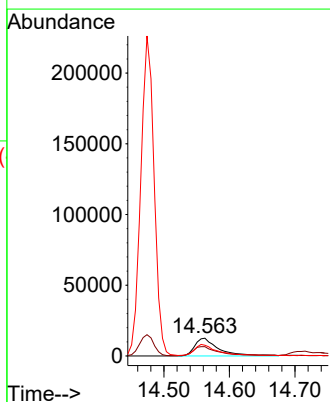
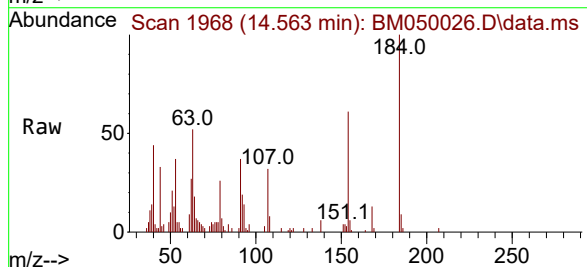
Manual Integrations
APPROVED

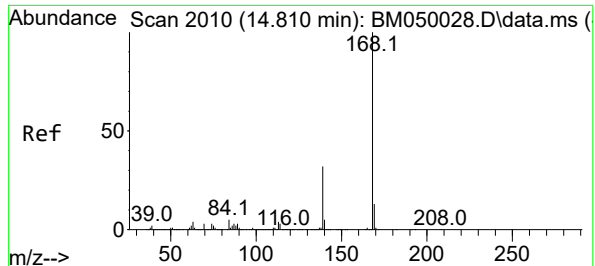
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#54
2,4-Dinitrophenol
Concen: 10.558 ng
RT: 14.563 min Scan# 1968
Delta R.T. 0.018 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

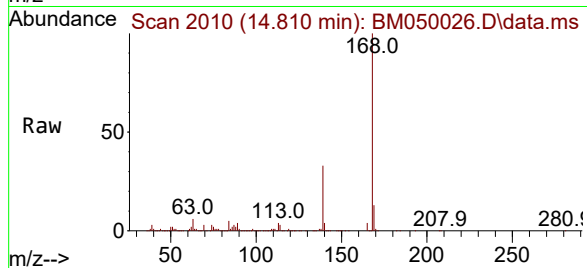
Tgt Ion:184 Resp: 31979
Ion Ratio Lower Upper
184 100
63 52.1 39.8 59.6
154 60.9 46.1 69.1





#55
Dibenzofuran
Concen: 9.401 ng
RT: 14.810 min Scan# 2010
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

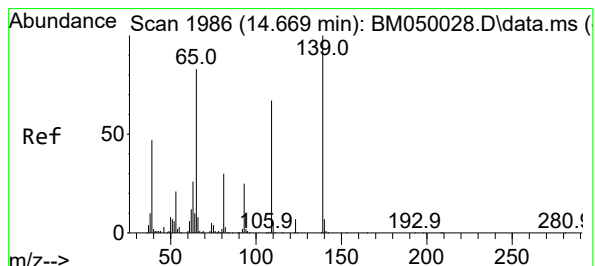
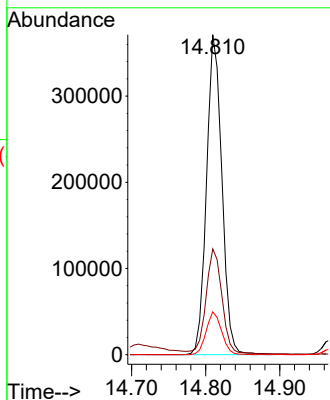
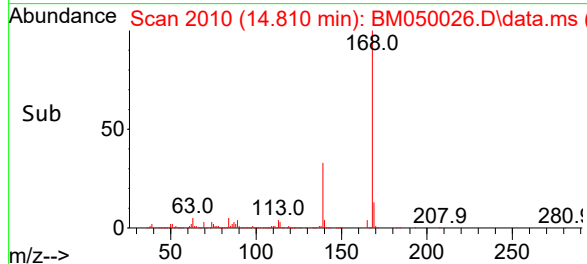
Instrument :
BNA_M
ClientSampleId :
SSTDICC010



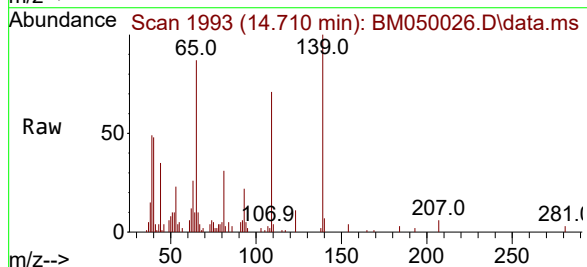
Tgt Ion:168 Resp: 53502
Ion Ratio Lower Upper
168 100
139 33.0 26.1 39.1
169 13.4 10.8 16.2

Manual Integrations
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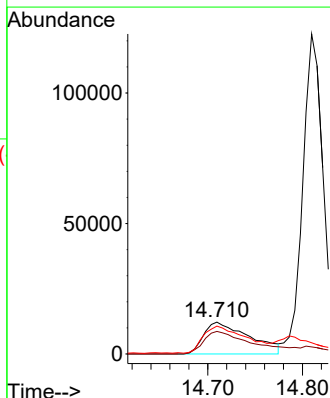
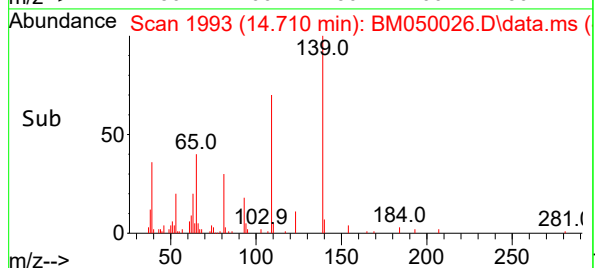
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

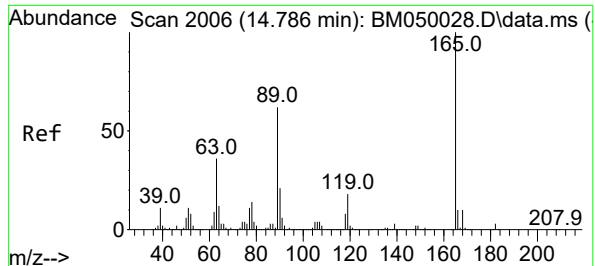


#56
4-Nitrophenol
Concen: 9.668 ng
RT: 14.710 min Scan# 1993
Delta R.T. 0.041 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48



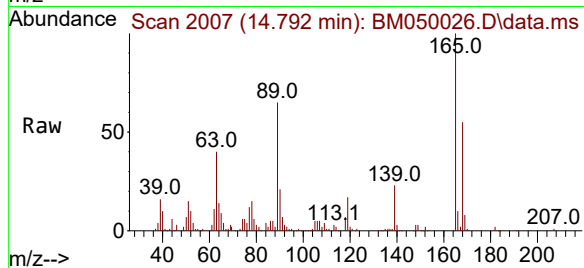
Tgt Ion:139 Resp: 40722
Ion Ratio Lower Upper
139 100
109 70.7 47.0 87.0
65 87.5 64.3 104.3





#57
2,4-Dinitrotoluene
Concen: 8.750 ng
RT: 14.792 min Scan# 2006
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

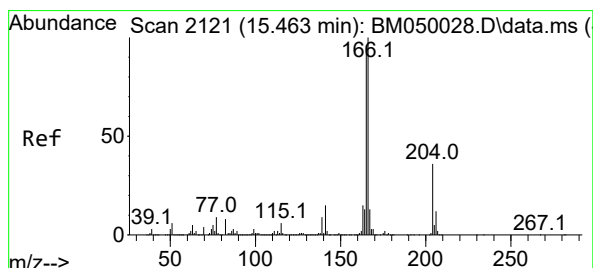
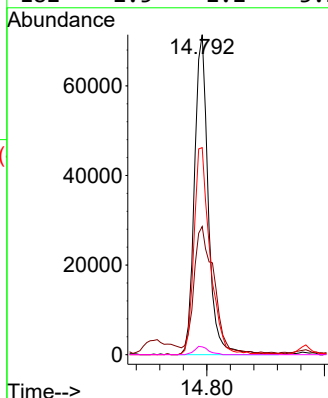
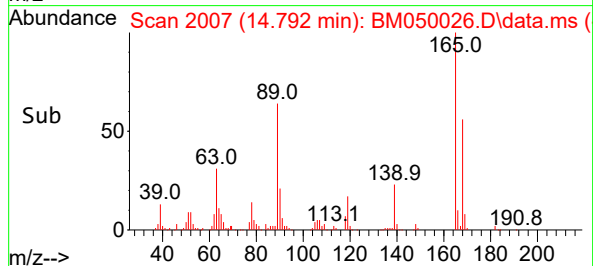
Instrument :
BNA_M
ClientSampleId :
SSTDICC010



Tgt Ion:165 Resp: 116470
Ion Ratio Lower Upper
165 100
63 40.1 29.0 43.6
89 64.7 49.4 74.2
182 2.5 2.2 3.2

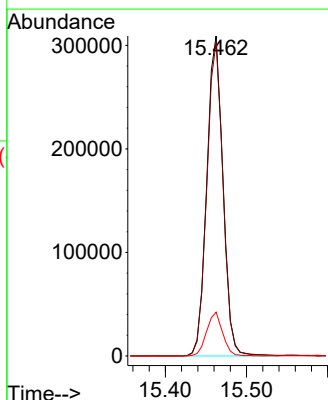
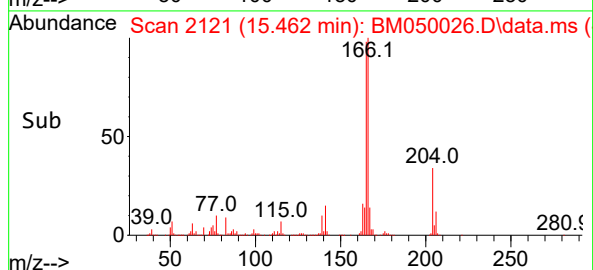
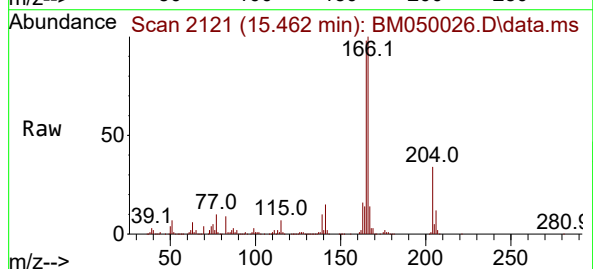
Manual Integrations
APPROVED

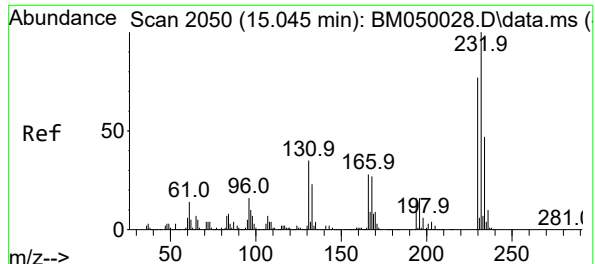
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#58
Fluorene
Concen: 9.174 ng
RT: 15.462 min Scan# 2121
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

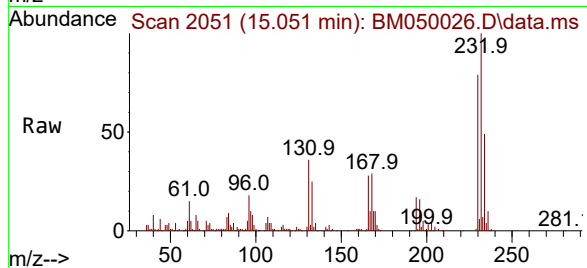
Tgt Ion:166 Resp: 427384
Ion Ratio Lower Upper
166 100
165 98.0 76.6 115.0
167 13.7 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 8.828 ng
RT: 15.051 min Scan# 2051
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

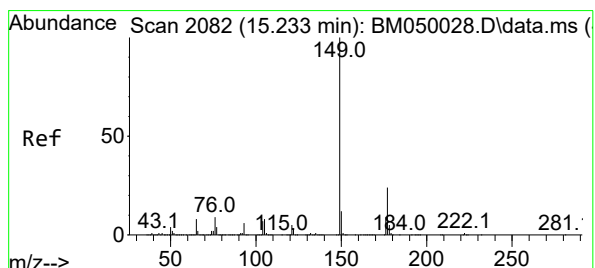
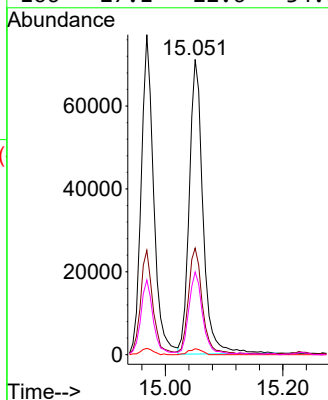
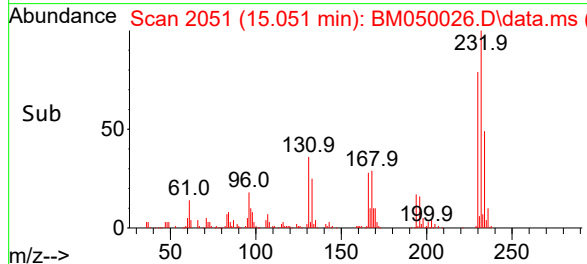
Instrument :
BNA_M
ClientSampleId :
SSTDICC010



Tgt Ion:232 Resp: 11518
Ion Ratio Lower Upper
232 100
131 36.2 28.2 42.4
130 2.0 1.5 2.3
166 27.1 22.6 34.0

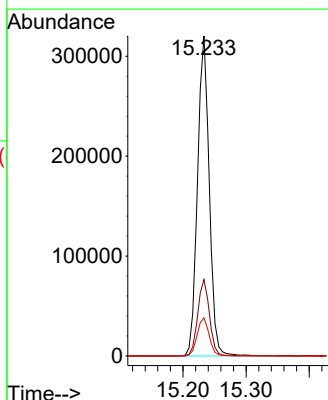
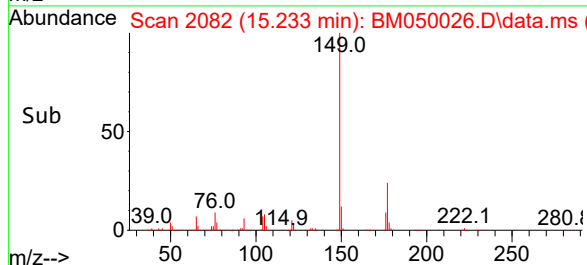
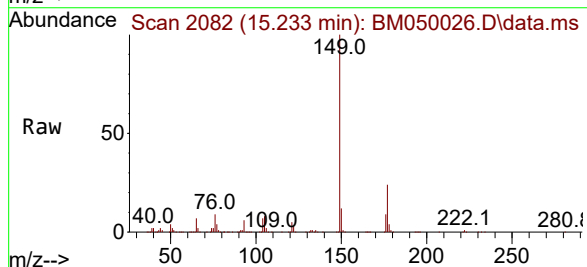
Manual Integrations
APPROVED

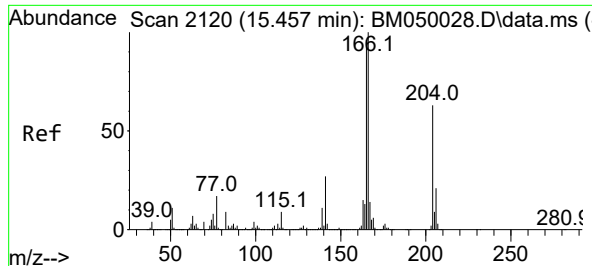
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#60
Diethylphthalate
Concen: 9.447 ng
RT: 15.233 min Scan# 2082
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

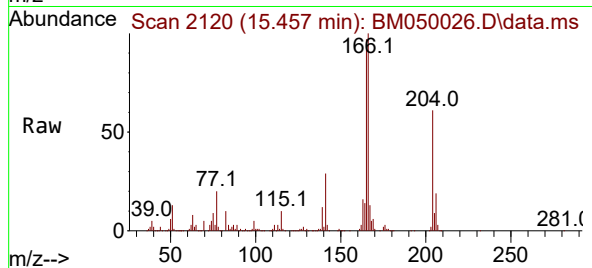
Tgt Ion:149 Resp: 414149
Ion Ratio Lower Upper
149 100
177 23.9 19.1 28.7
150 11.9 9.6 14.4





#61
4-Chlorophenyl-phenylether
Concen: 8.908 ng
RT: 15.457 min Scan# 2120
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

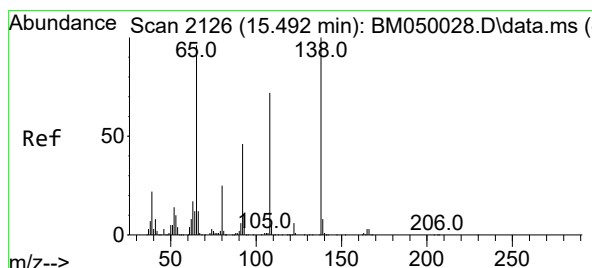
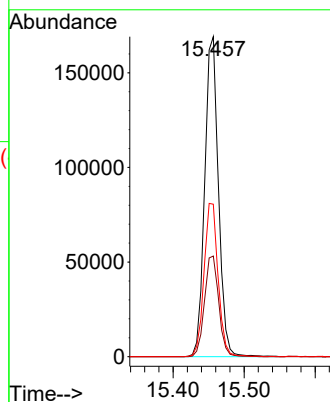
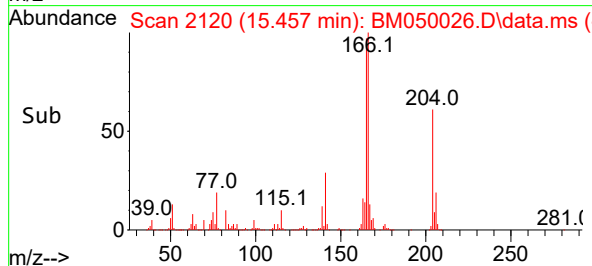
Instrument :
BNA_M
ClientSampleId :
SSTDICC010



Tgt Ion:204 Resp: 227920
Ion Ratio Lower Upper
204 100
206 31.4 26.3 39.5
141 47.6 34.0 51.0

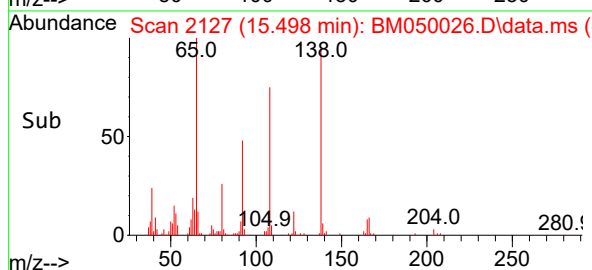
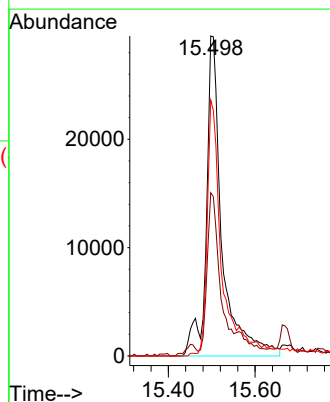
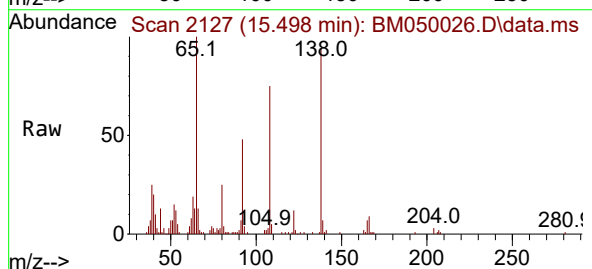
Manual Integrations
APPROVED

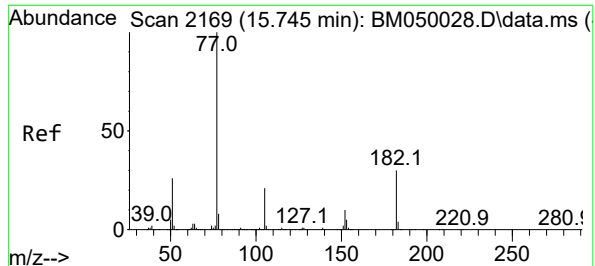
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#62
4-Nitroaniline
Concen: 8.397 ng m
RT: 15.498 min Scan# 2127
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

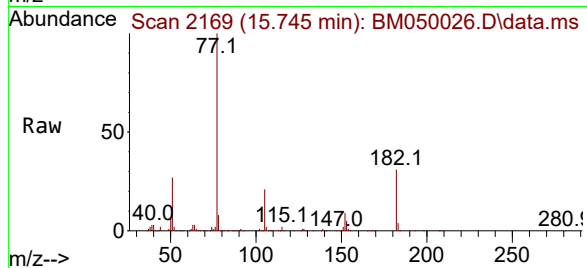
Tgt Ion:138 Resp: 74565
Ion Ratio Lower Upper
138 100
92 51.0 25.9 65.9
108 80.0 52.4 92.4





#63
Azobenzene
Concen: 9.454 ng
RT: 15.745 min Scan# 2169
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

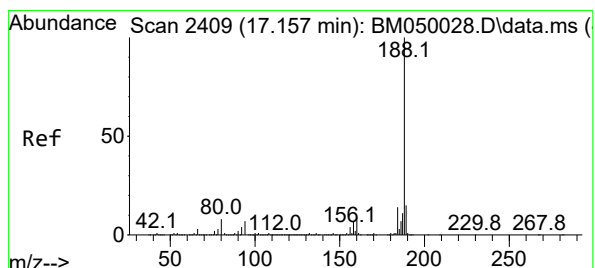
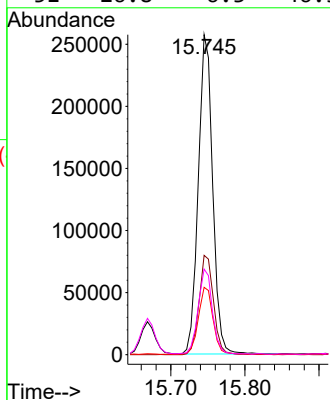
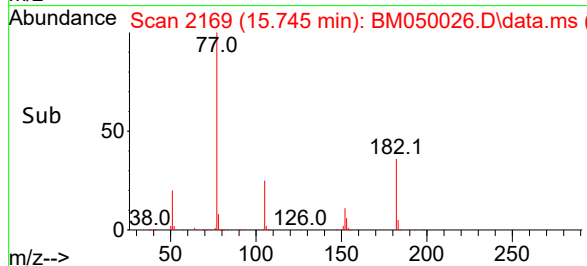
Instrument :
BNA_M
ClientSampleId :
SSTDICC010



Tgt Ion: 77 Resp: 34734
Ion Ratio Lower Upper
77 100
182 31.0 10.5 50.5
105 21.0 1.1 41.1
51 26.8 6.3 46.3

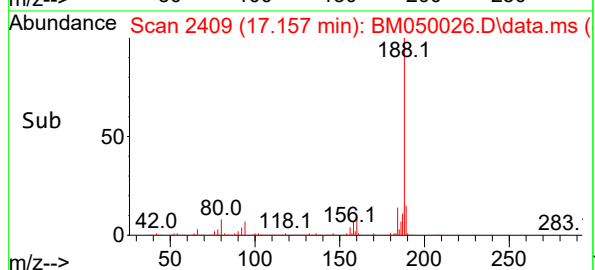
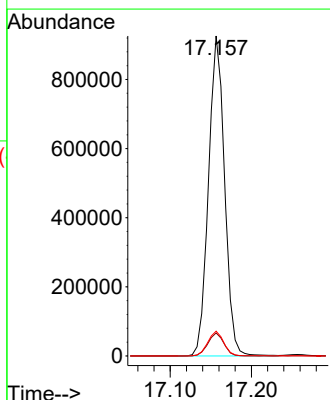
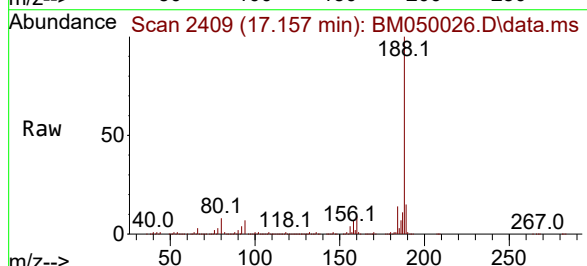
Manual Integrations
APPROVED

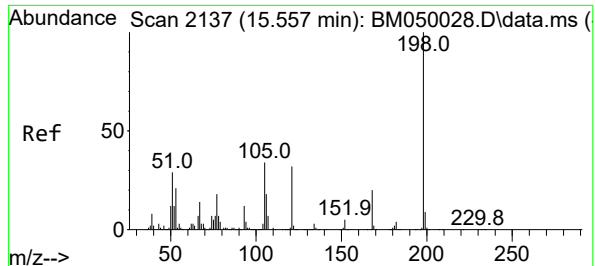
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2409
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

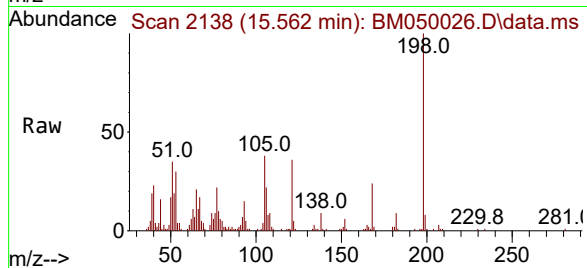
Tgt Ion:188 Resp: 1274608
Ion Ratio Lower Upper
188 100
94 7.2 5.7 8.5
80 7.8 6.2 9.4





#65
4,6-Dinitro-2-methylphenol
Concen: 7.042 ng
RT: 15.562 min Scan# 2138
Delta R.T. 0.005 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

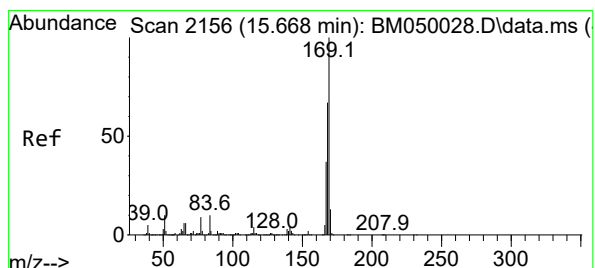
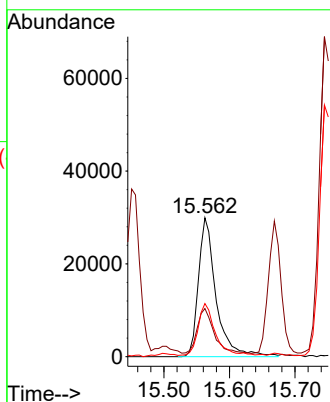
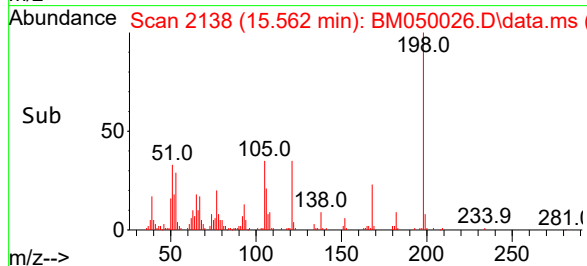
Instrument :
BNA_M
ClientSampleId :
SSTDICC010



Tgt Ion:198 Resp: 5618
Ion Ratio Lower Upper
198 100
51 34.7 10.4 50.4
105 38.2 14.6 54.6

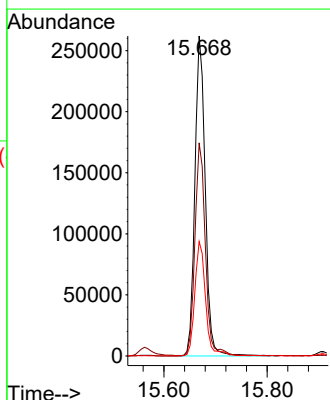
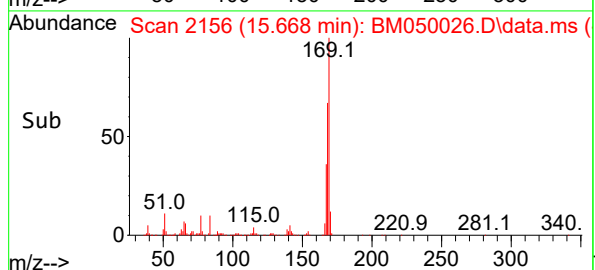
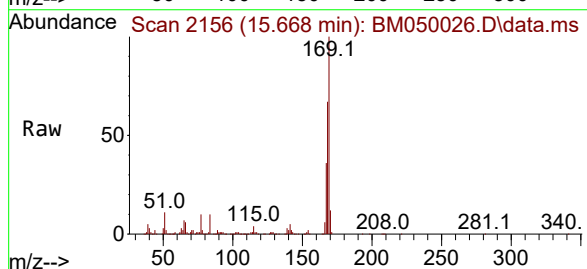
Manual Integrations
APPROVED

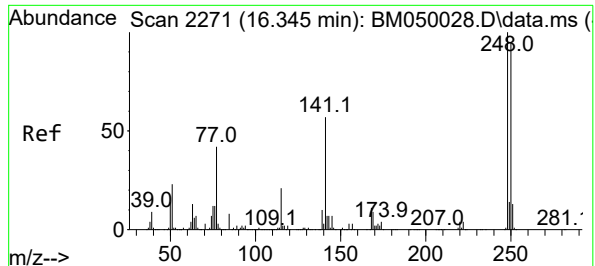
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#66
n-Nitrosodiphenylamine
Concen: 9.315 ng
RT: 15.668 min Scan# 2156
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

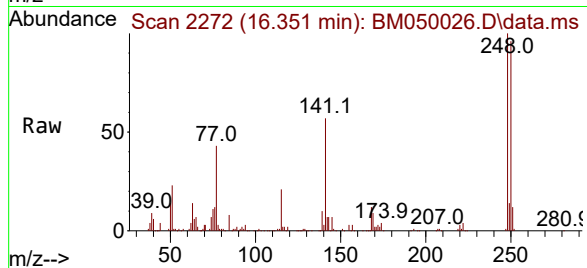
Tgt Ion:169 Resp: 364601
Ion Ratio Lower Upper
169 100
168 66.6 53.4 80.2
167 35.8 29.4 44.0





#67
4-Bromophenyl-phenylether
Concen: 8.923 ng
RT: 16.351 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

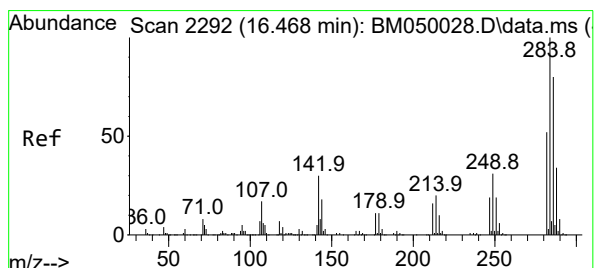
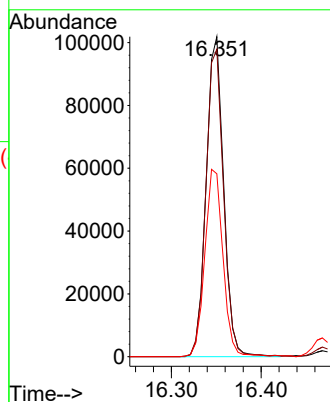
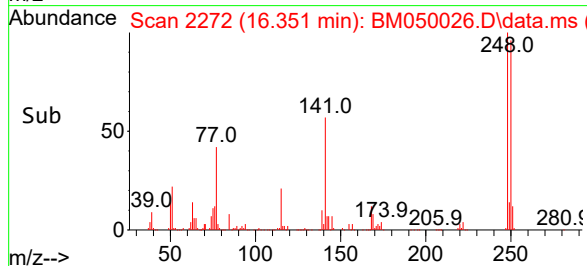
Instrument :
BNA_M
ClientSampleId :
SSTDICC010



Tgt Ion:248 Resp: 13753
Ion Ratio Lower Upper
248 100
250 96.1 76.2 114.2
141 57.1 45.9 68.9

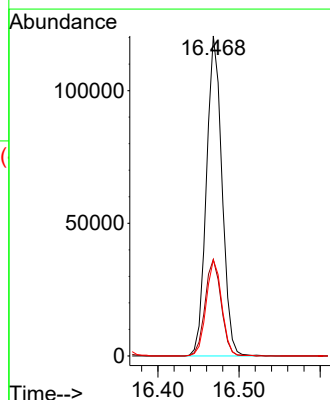
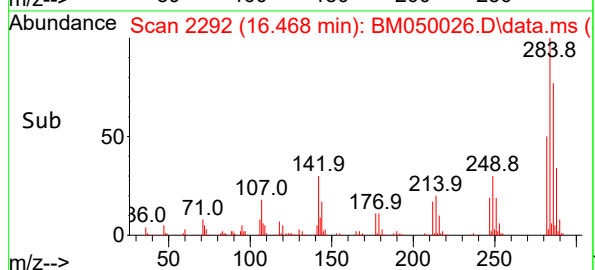
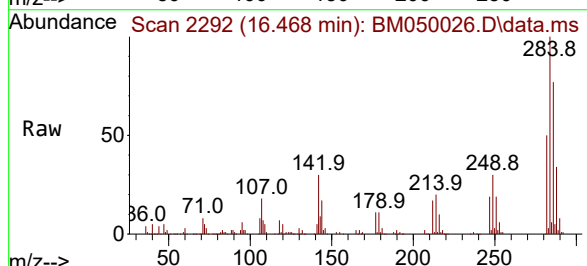
Manual Integrations
APPROVED

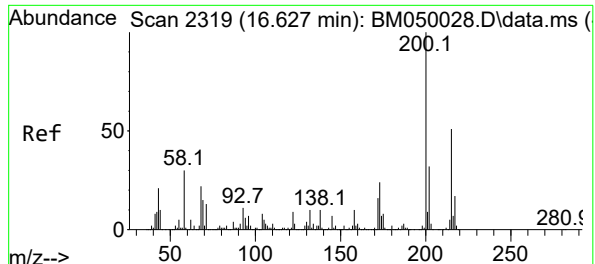
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#68
Hexachlorobenzene
Concen: 9.016 ng
RT: 16.468 min Scan# 2292
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

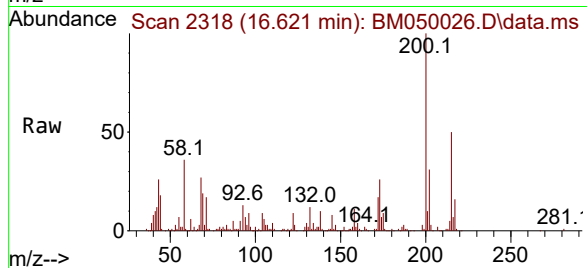
Tgt Ion:284 Resp: 160195
Ion Ratio Lower Upper
284 100
142 30.1 23.9 35.9
249 30.0 24.5 36.7





#69
Atrazine
Concen: 8.937 ng
RT: 16.621 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

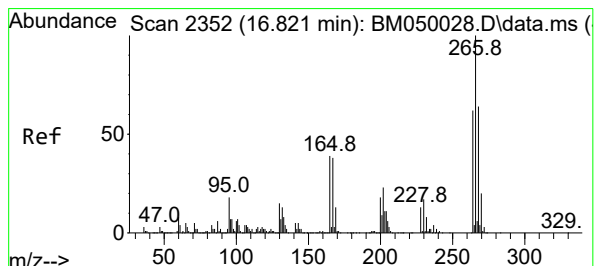
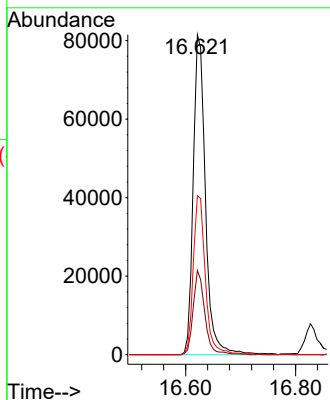
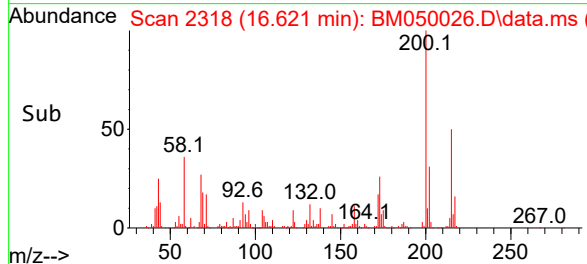
Instrument :
BNA_M
ClientSampleId :
SSTDICC010



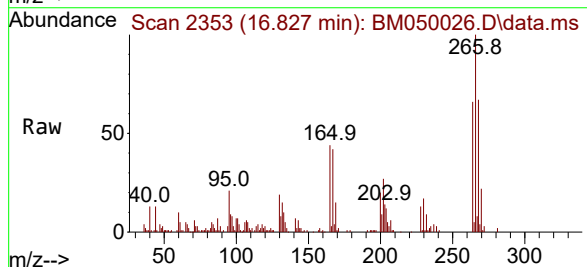
Tgt Ion:200 Resp: 12616
Ion Ratio Lower Upper
200 100
173 26.3 4.3 44.3
215 49.6 30.6 70.6

Manual Integrations
APPROVED

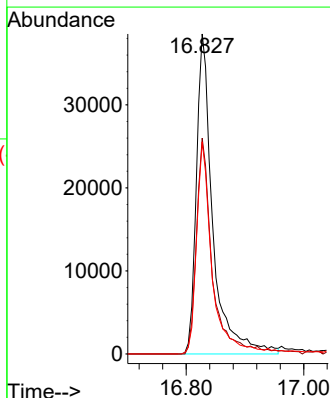
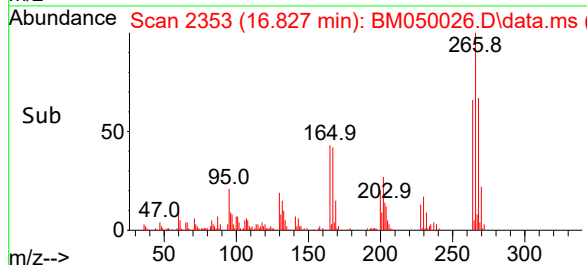
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

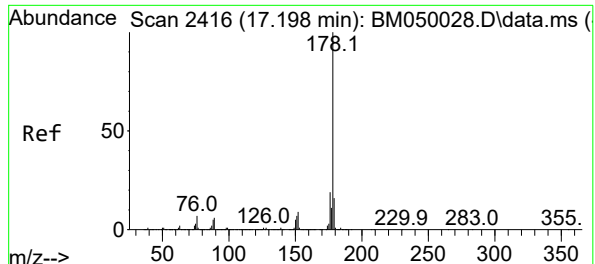


#70
Pentachlorophenol
Concen: 7.483 ng
RT: 16.827 min Scan# 2353
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48



Tgt Ion:266 Resp: 74839
Ion Ratio Lower Upper
266 100
268 67.5 51.2 76.8
264 66.3 49.6 74.4





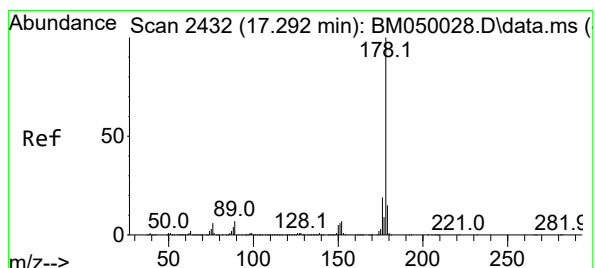
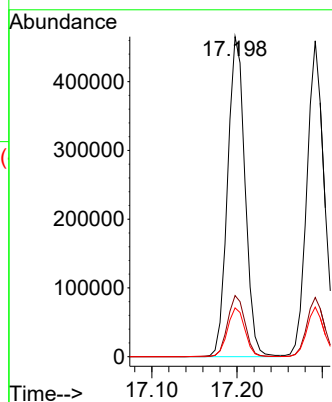
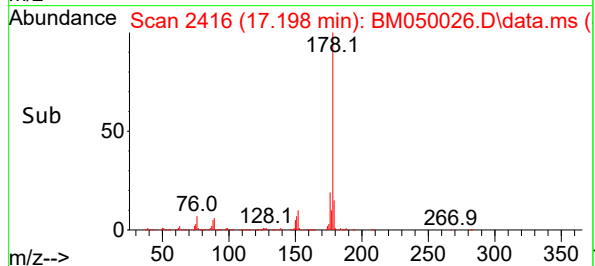
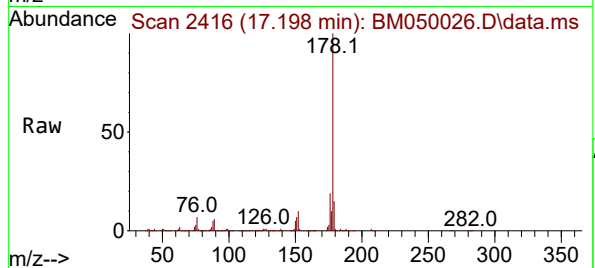
#71
Phenanthrene
Concen: 9.172 ng
RT: 17.198 min Scan# 2416
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:178 Resp: 659374
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.3 12.4 18.6

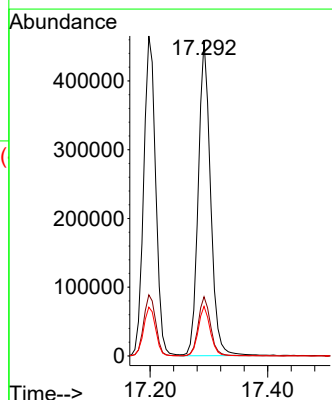
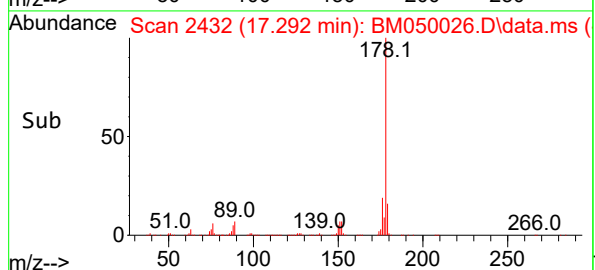
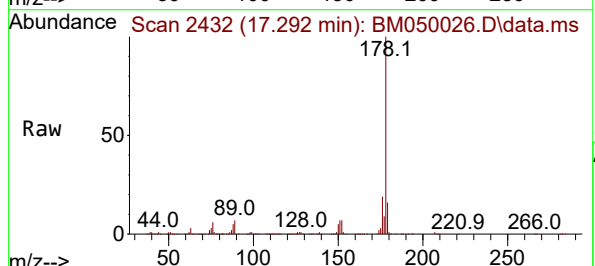
Manual Integrations
APPROVED

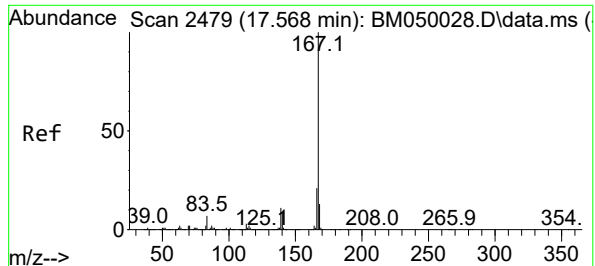
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#72
Anthracene
Concen: 9.089 ng
RT: 17.292 min Scan# 2432
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

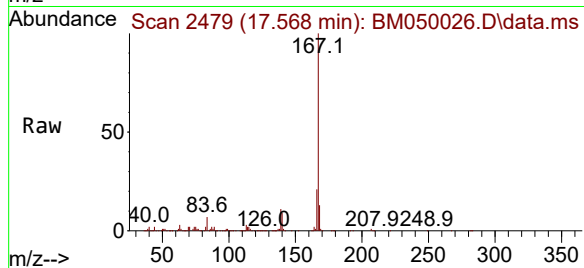
Tgt Ion:178 Resp: 661260
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.4
179 15.7 12.2 18.4





#73
Carbazole
Concen: 9.087 ng
RT: 17.568 min Scan# 2479
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

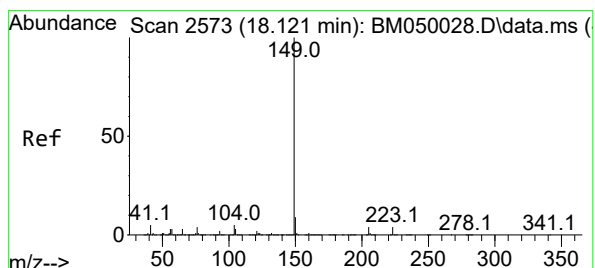
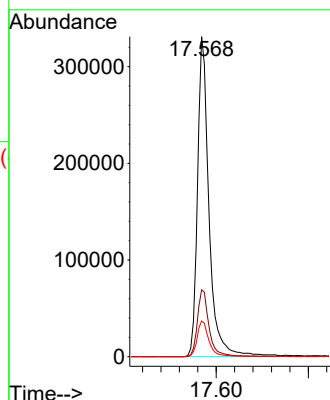
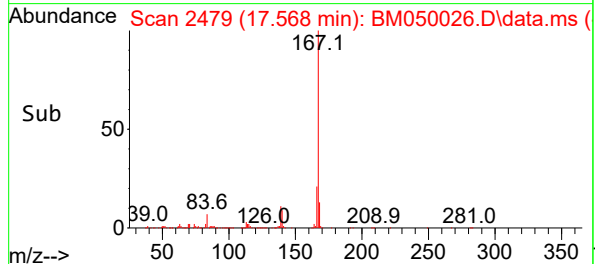
Instrument :
BNA_M
ClientSampleId :
SSTDICC010



Tgt Ion:167 Resp: 57366
Ion Ratio Lower Upper
167 100
166 20.9 17.2 25.8
139 11.2 9.0 13.6

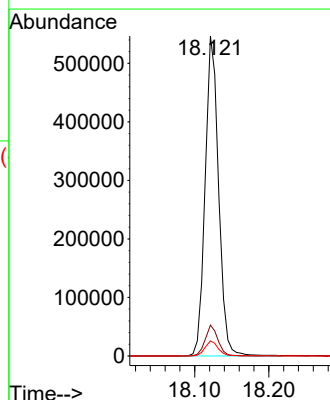
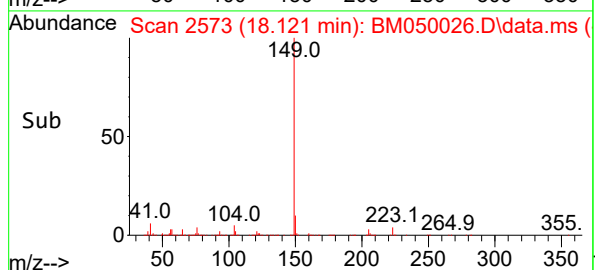
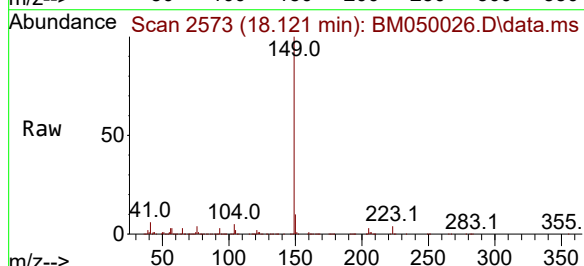
Manual Integrations
APPROVED

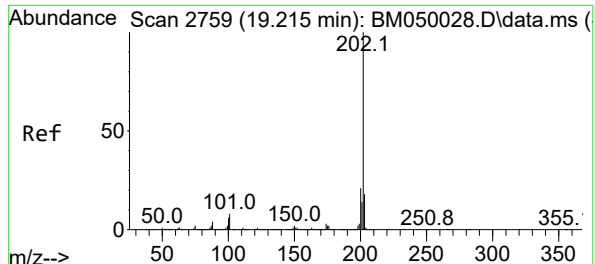
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#74
Di-n-butylphthalate
Concen: 9.168 ng
RT: 18.121 min Scan# 2573
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

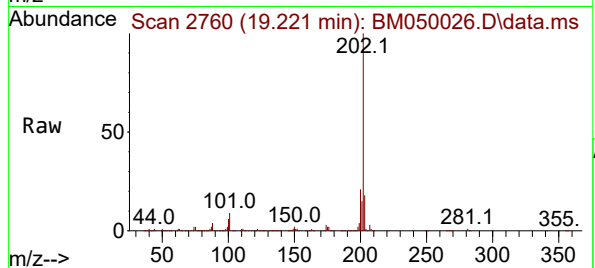
Tgt Ion:149 Resp: 689248
Ion Ratio Lower Upper
149 100
150 9.6 7.3 10.9
104 4.7 3.8 5.6





#75
Fluoranthene
Concen: 8.621 ng
RT: 19.221 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

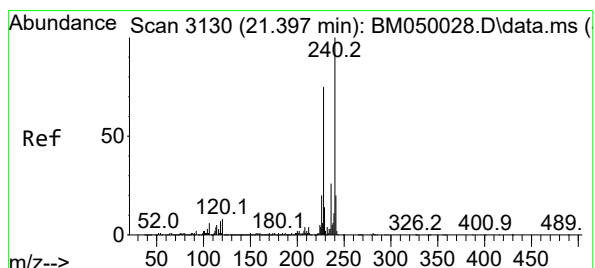
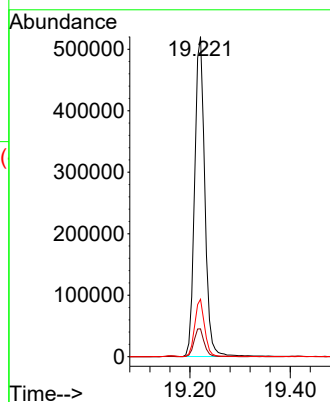
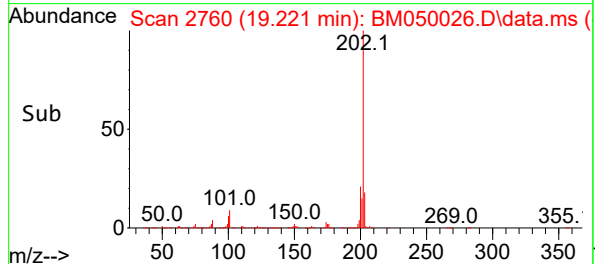
Instrument :
BNA_M
ClientSampleId :
SSTDICC010



Tgt Ion:202 Resp: 72760
Ion Ratio Lower Upper
202 100
101 8.7 0.0 28.0
203 18.0 0.0 37.7

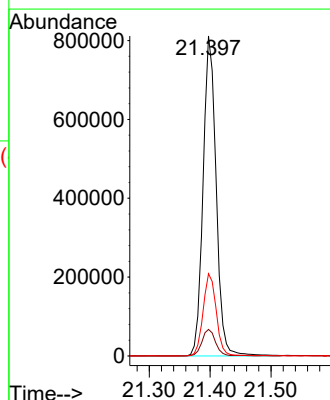
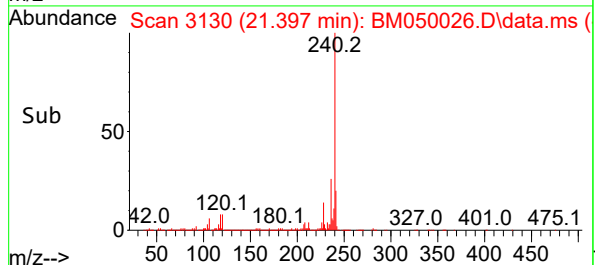
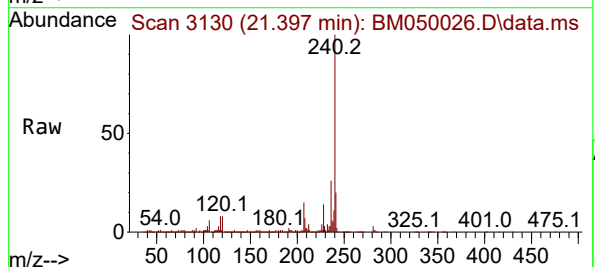
Manual Integrations
APPROVED

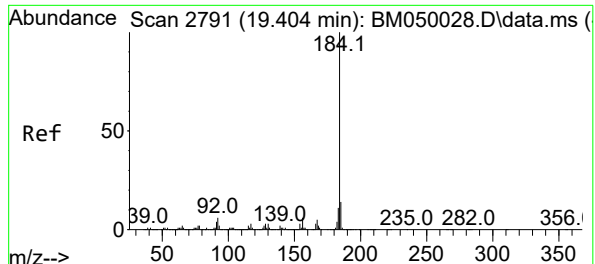
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.397 min Scan# 3130
Delta R.T. 0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

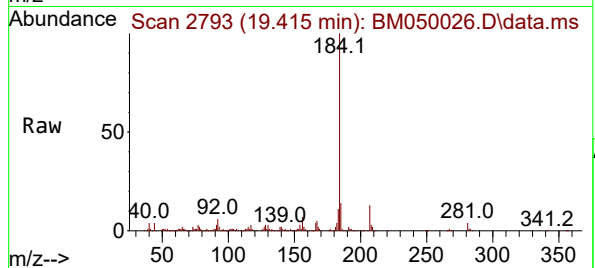
Tgt Ion:240 Resp: 1213581
Ion Ratio Lower Upper
240 100
120 8.3 6.5 9.7
236 25.7 20.9 31.3





#77
Benzidine
Concen: 7.887 ng
RT: 19.415 min Scan# 21
Delta R.T. 0.011 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

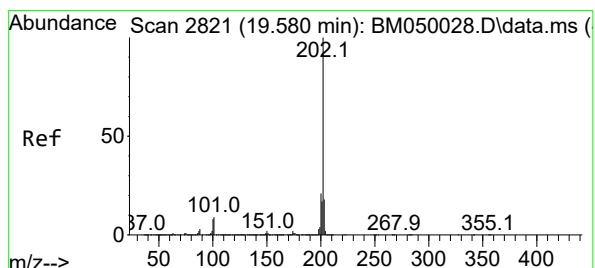
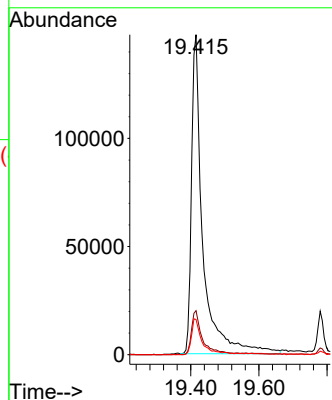
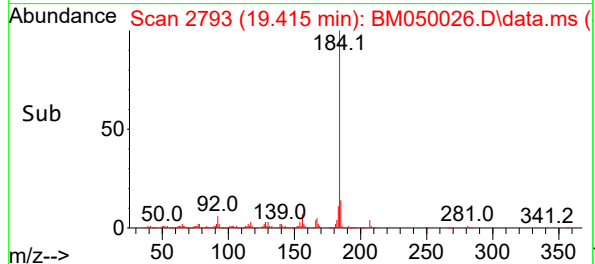
Instrument :
BNA_M
ClientSampleId :
SSTDICC010



Tgt Ion:184 Resp: 339970
Ion Ratio Lower Upper
184 100
185 13.7 11.5 17.3
183 11.0 8.9 13.3

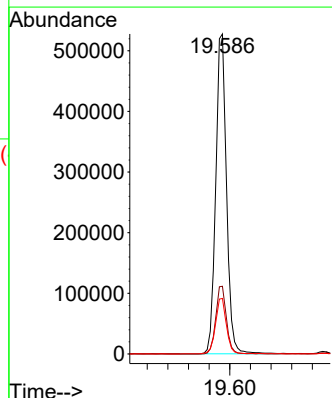
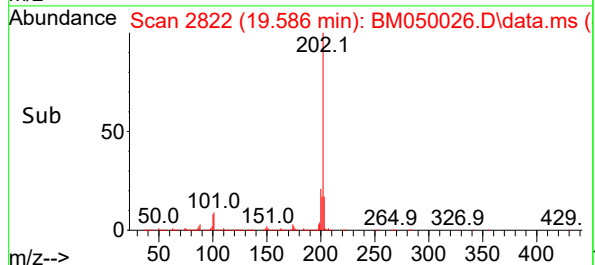
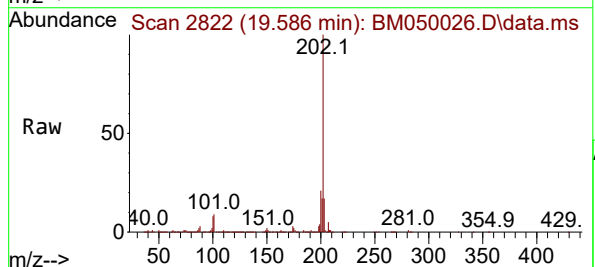
Manual Integrations
APPROVED

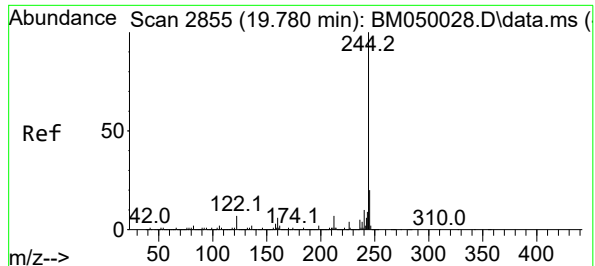
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#78
Pyrene
Concen: 8.937 ng
RT: 19.586 min Scan# 2822
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

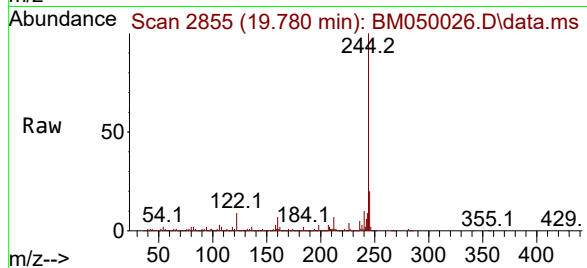
Tgt Ion:202 Resp: 761625
Ion Ratio Lower Upper
202 100
200 21.2 16.7 25.1
203 17.3 14.1 21.1





#79
Terphenyl-d14
Concen: 17.601 ng
RT: 19.780 min Scan# 2855
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

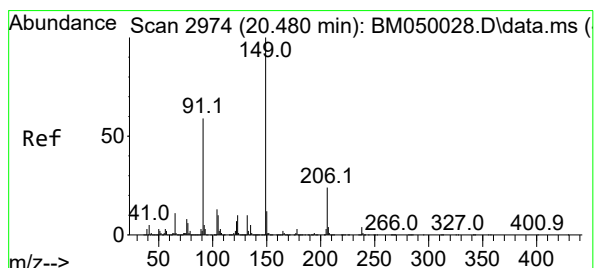
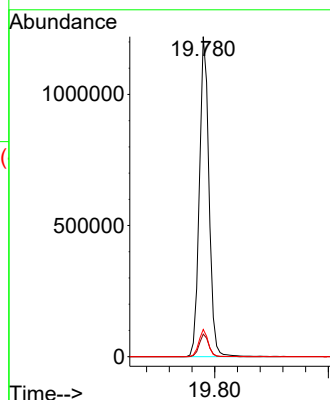
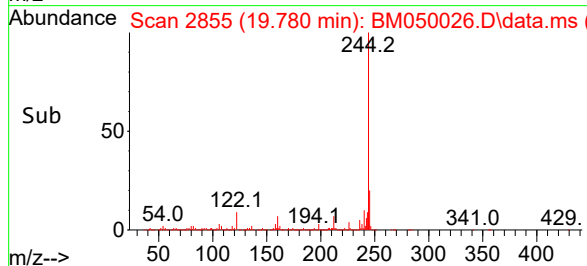
Instrument :
BNA_M
ClientSampleId :
SSTDICC010



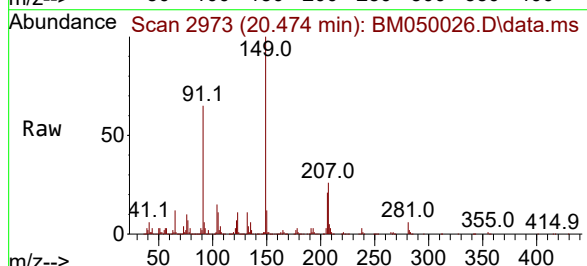
Tgt Ion:244 Resp: 1443528
Ion Ratio Lower Upper
244 100
212 7.0 5.6 8.4
122 8.5 5.6 8.4

Manual Integrations
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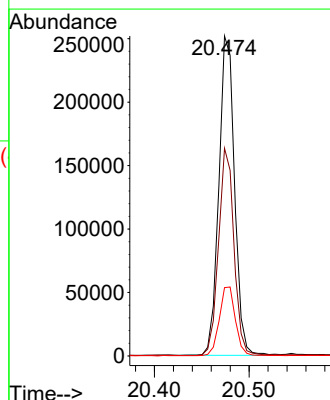
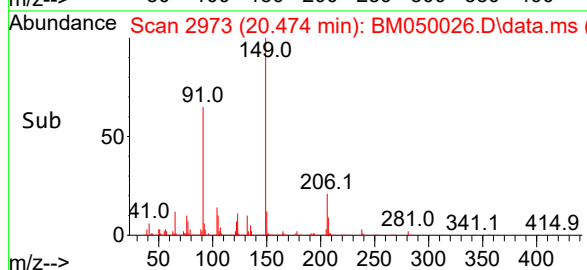
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

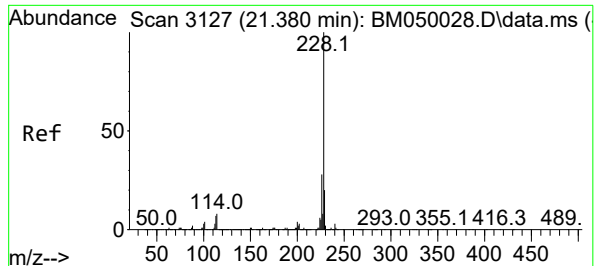


#80
Butylbenzylphthalate
Concen: 9.105 ng
RT: 20.474 min Scan# 2973
Delta R.T. -0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48



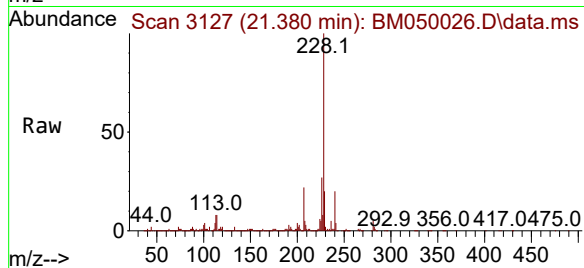
Tgt Ion:149 Resp: 290617
Ion Ratio Lower Upper
149 100
91 64.9 47.4 71.2
206 21.3 19.4 29.0





#81
Benzo(a)anthracene
Concen: 8.940 ng
RT: 21.380 min Scan# 3127
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

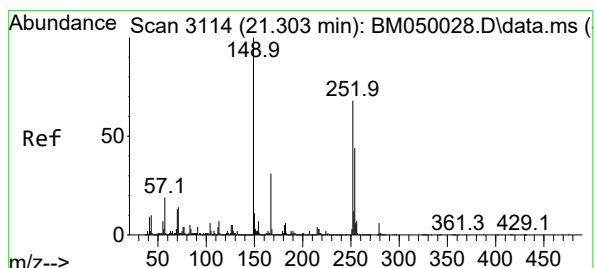
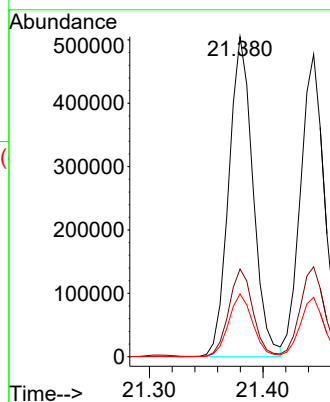
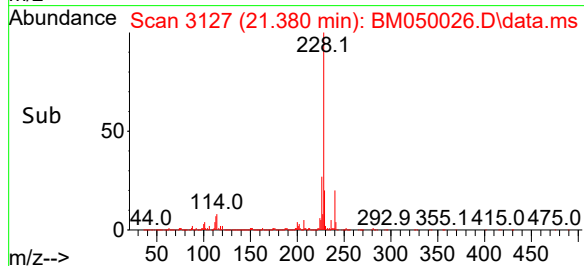
Instrument :
BNA_M
ClientSampleId :
SSTDICC010



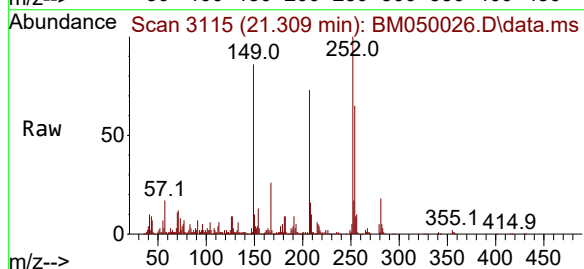
Tgt Ion:228 Resp: 747128
Ion Ratio Lower Upper
228 100
226 27.4 22.1 33.1
229 19.6 15.7 23.5

Manual Integrations
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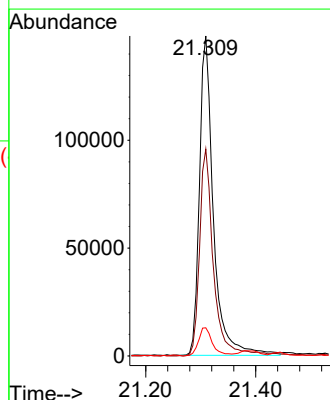
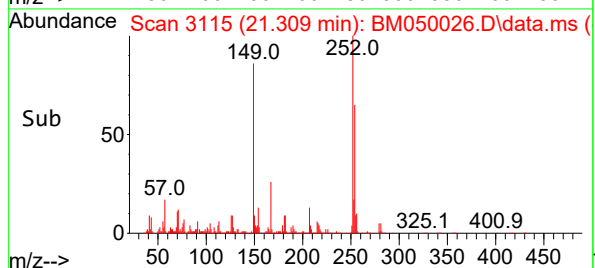
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

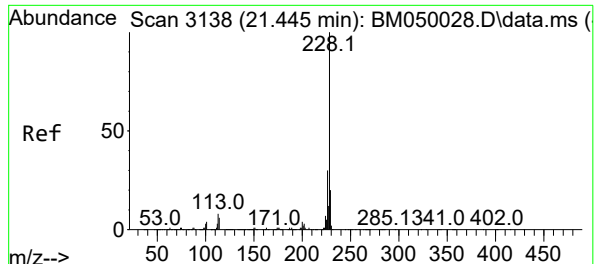


#82
3,3'-Dichlorobenzidine
Concen: 8.190 ng
RT: 21.309 min Scan# 3115
Delta R.T. 0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48



Tgt Ion:252 Resp: 262017
Ion Ratio Lower Upper
252 100
254 64.6 51.8 77.6
126 8.8 6.0 9.0





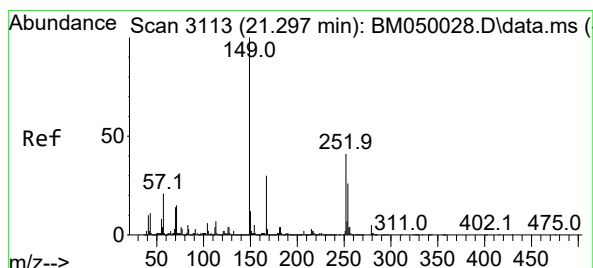
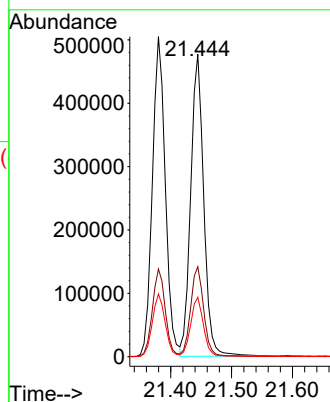
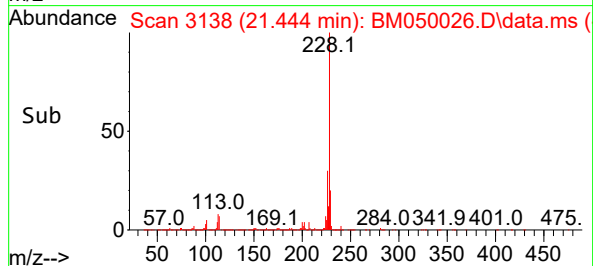
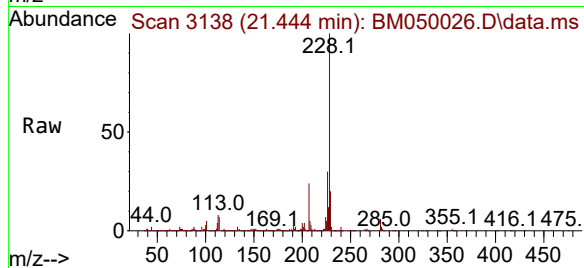
#83
Chrysene
Concen: 9.178 ng
RT: 21.444 min Scan# 3138
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 709862
Ion Ratio Lower Upper
228 100
226 29.7 24.2 36.2
229 19.6 15.7 23.5

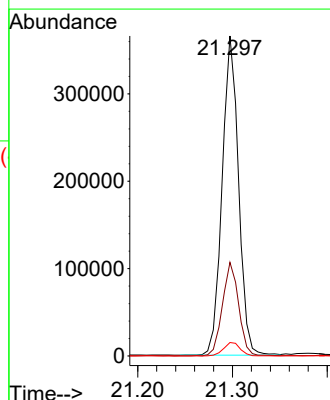
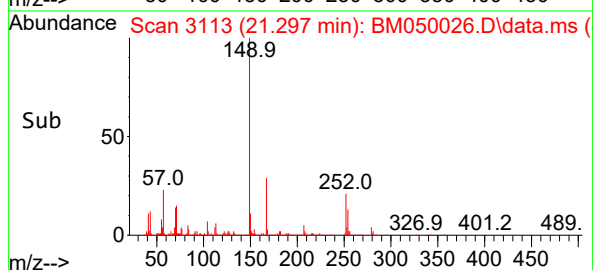
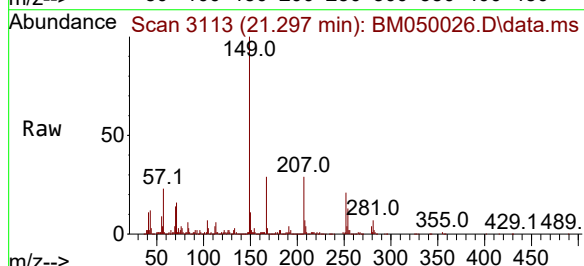
Manual Integrations
APPROVED

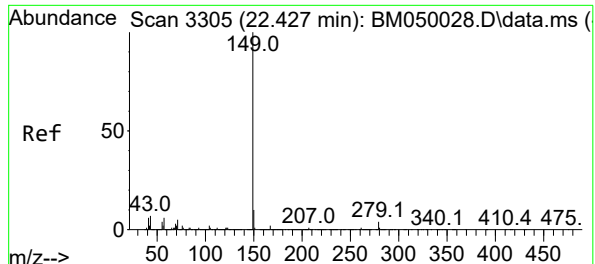
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#84
Bis(2-ethylhexyl)phthalate
Concen: 9.228 ng
RT: 21.297 min Scan# 3113
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

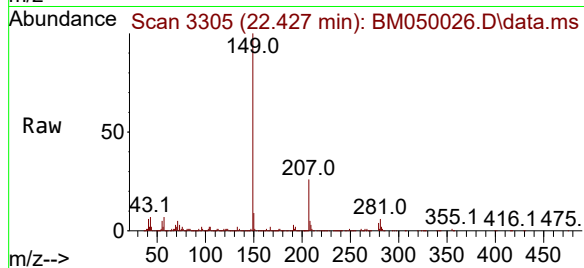
Tgt Ion:149 Resp: 439949
Ion Ratio Lower Upper
149 100
167 29.3 24.1 36.1
279 4.2 3.9 5.9





#85
Di-n-octyl phthalate
Concen: 9.236 ng
RT: 22.427 min Scan# 3305
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

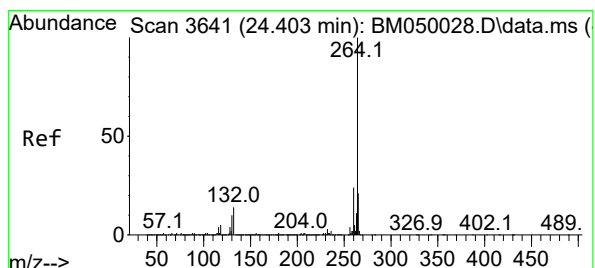
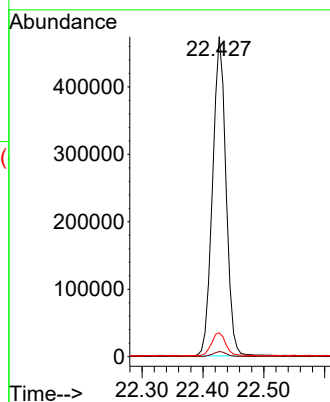
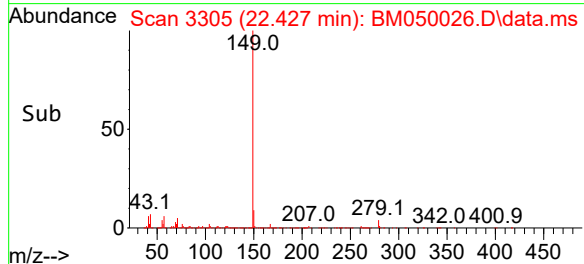
Instrument :
BNA_M
ClientSampleId :
SSTDICC010



Tgt Ion:149 Resp: 726208
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 7.7 5.8 8.8

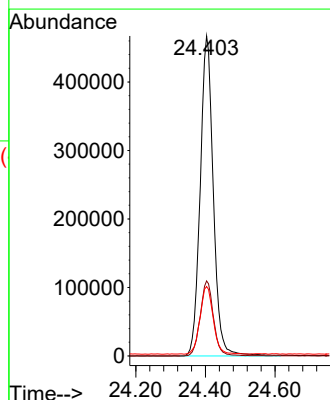
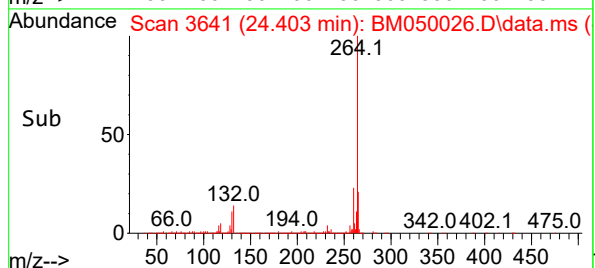
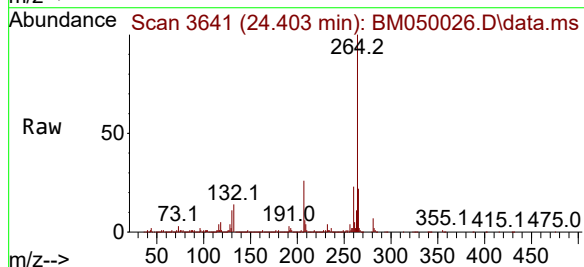
Manual Integrations
APPROVED

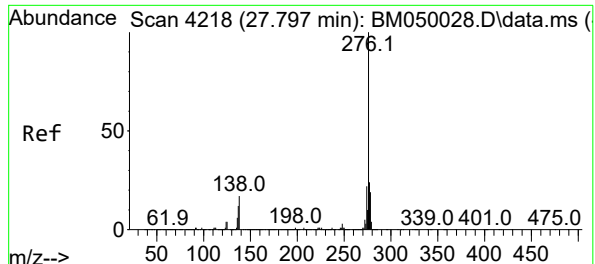
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.403 min Scan# 3641
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

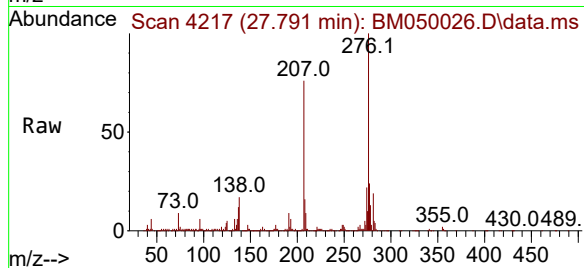
Tgt Ion:264 Resp: 1224339
Ion Ratio Lower Upper
264 100
260 23.5 18.8 28.2
265 21.7 17.0 25.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 8.674 ng
RT: 27.791 min Scan# 41
Delta R.T. -0.006 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48

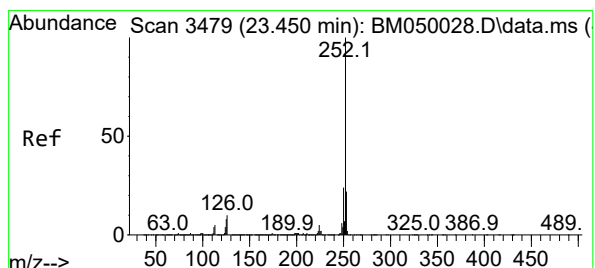
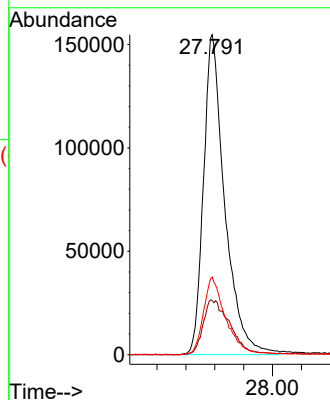
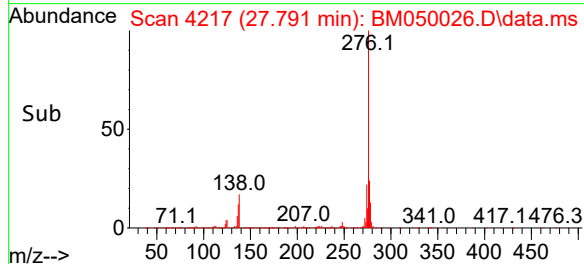
Instrument :
BNA_M
ClientSampleId :
SSTDICC010



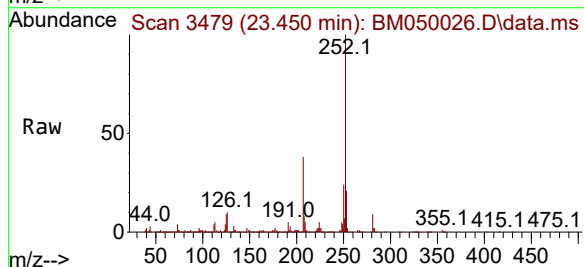
Tgt Ion:276 Resp: 791344
Ion Ratio Lower Upper
276 100
138 21.4 16.4 24.6
277 25.3 19.8 29.8

Manual Integrations
APPROVED

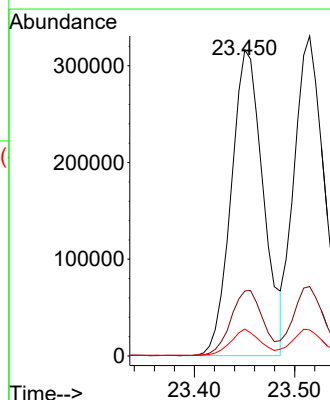
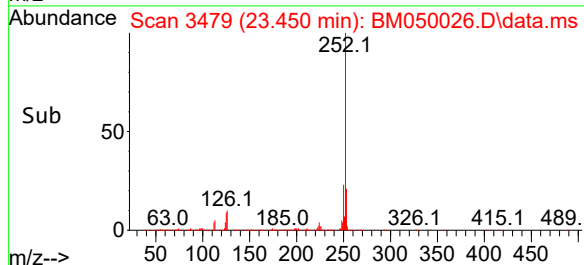
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

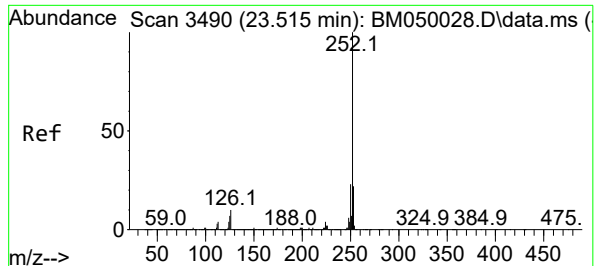


#88
Benzo(b)fluoranthene
Concen: 8.831 ng
RT: 23.450 min Scan# 3479
Delta R.T. -0.000 min
Lab File: BM050026.D
Acq: 28 Apr 2025 13:48



Tgt Ion:252 Resp: 703118
Ion Ratio Lower Upper
252 100
253 21.2 17.7 26.5
125 8.8 6.1 9.1





#89

Benzo(k)fluoranthene

Concen: 8.741 ng

RT: 23.515 min Scan# 3490

Delta R.T. -0.000 min

Lab File: BM050026.D

Acq: 28 Apr 2025 13:48

Instrument :

BNA_M

ClientSampleId :

SSTDICC010

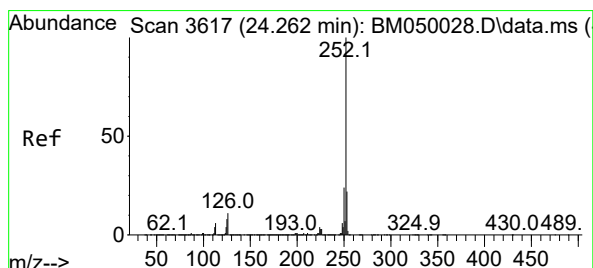
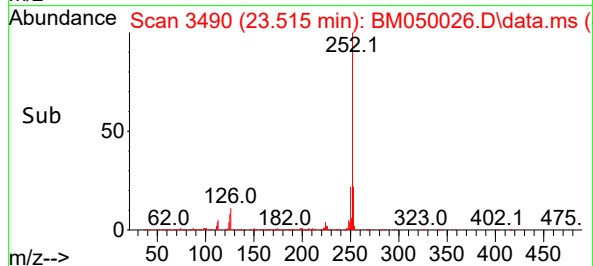
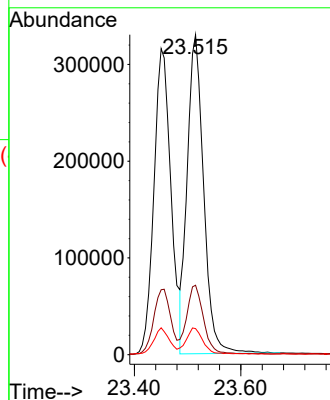
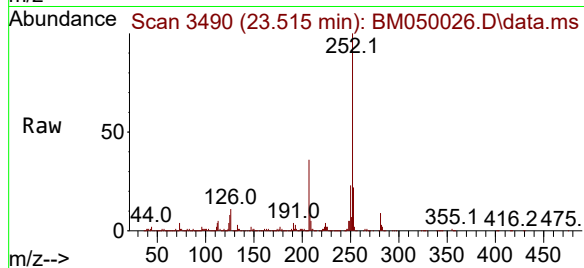
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2
125	8.2	5.8	8.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/29/2025

Supervised By :Jagrut Upadhyay 04/29/2025



#90

Benzo(a)pyrene

Concen: 8.751 ng

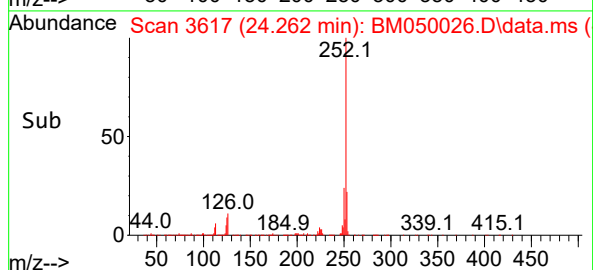
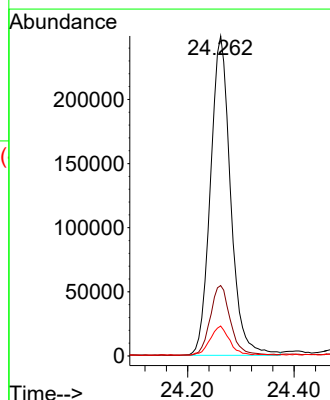
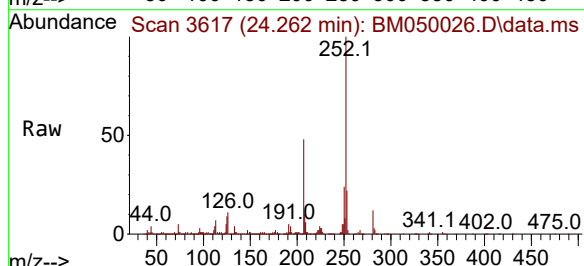
RT: 24.262 min Scan# 3617

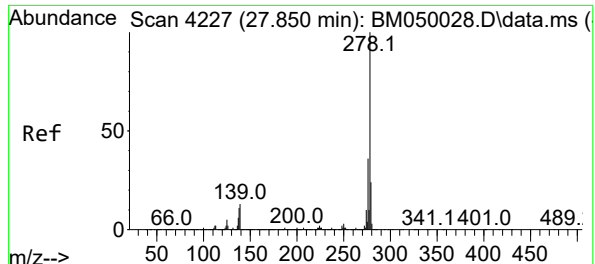
Delta R.T. -0.000 min

Lab File: BM050026.D

Acq: 28 Apr 2025 13:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0
125	9.4	6.6	9.8





#91

Dibenzo(a,h)anthracene

Concen: 8.591 ng

RT: 27.844 min Scan# 41

Delta R.T. -0.006 min

Lab File: BM050026.D

Acq: 28 Apr 2025 13:48

Instrument :

BNA_M

ClientSampleId :

SSTDICC010

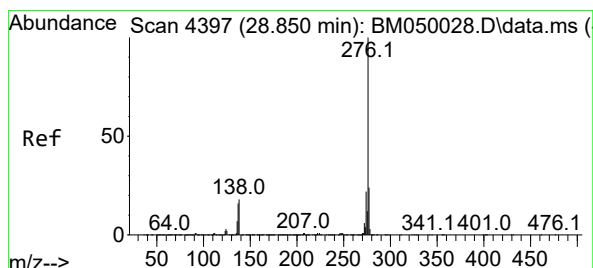
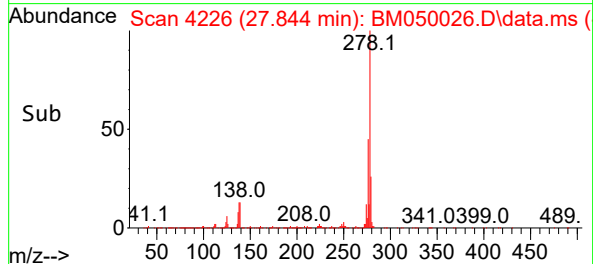
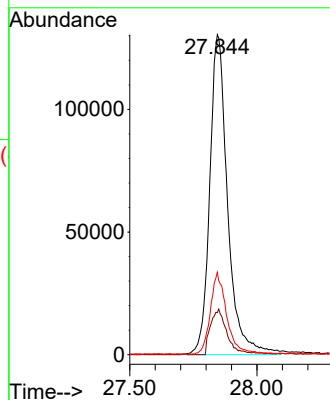
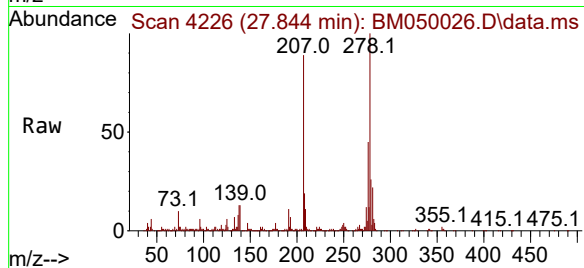
Tgt Ion:	278	Resp:	63891
Ion Ratio	Lower	Upper	
278	100		
139	13.2	10.5	15.7
279	25.8	19.4	29.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/29/2025

Supervised By :Jagrut Upadhyay 04/29/2025



#92

Benzo(g,h,i)perylene

Concen: 8.852 ng

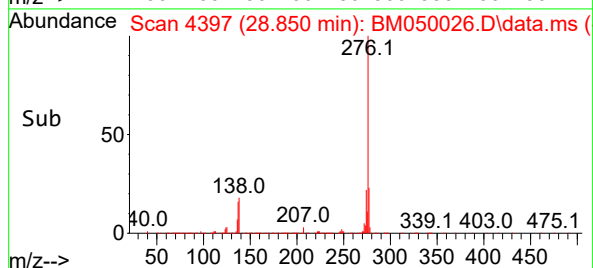
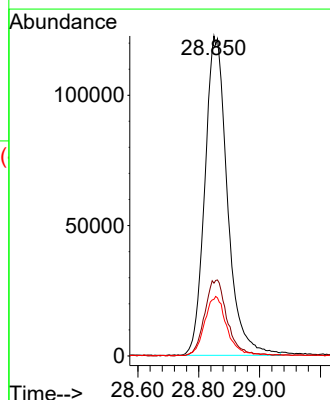
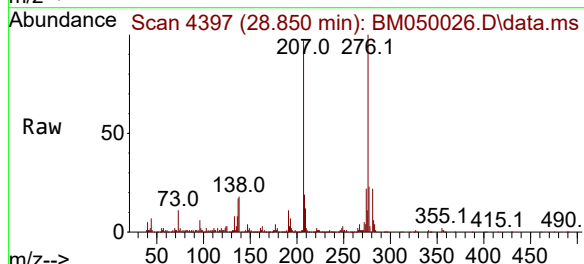
RT: 28.850 min Scan# 4397

Delta R.T. -0.000 min

Lab File: BM050026.D

Acq: 28 Apr 2025 13:48

Tgt Ion:	276	Resp:	630261
Ion Ratio	Lower	Upper	
276	100		
277	22.8	19.1	28.7
138	17.7	14.3	21.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
 Data File : BM050027.D
 Acq On : 28 Apr 2025 14:27
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

SSTDICC020

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/29/2025

Supervised By :Jagrut Upadhyay 04/29/2025

Quant Time: Apr 28 17:55:16 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Apr 28 17:38:08 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	242715	20.000	ng	0.00
21) Naphthalene-d8	10.563	136	896366	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	614688	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1244440	20.000	ng	0.00
76) Chrysene-d12	21.398	240	1204355	20.000	ng	0.00
86) Perylene-d12	24.403	264	1191041	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	537488	38.777	ng	0.00
7) Phenol-d6	6.951	99	678404	38.941	ng	0.00
23) Nitrobenzene-d5	8.928	82	712171	39.151	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	345020	37.960	ng	0.00
45) 2-Fluorobiphenyl	13.027	172	2005788	38.602	ng	0.00
79) Terphenyl-d14	19.780	244	3208242	39.418	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.258	88	115944	19.509	ng	99
3) Pyridine	3.658	79	298256	19.532	ng	98
4) n-Nitrosodimethylamine	3.569	42	115296	19.251	ng	# 100
6) Aniline	7.098	93	429222	19.511	ng	99
8) 2-Chlorophenol	7.340	128	290876	19.409	ng	99
9) Benzaldehyde	6.910	77	235594	20.233	ng	98
10) Phenol	6.981	94	344567	19.537	ng	98
11) bis(2-Chloroethyl)ether	7.193	93	285330	19.375	ng	99
12) 1,3-Dichlorobenzene	7.657	146	352660	19.480	ng	99
13) 1,4-Dichlorobenzene	7.804	146	354975	19.518	ng	99
14) 1,2-Dichlorobenzene	8.122	146	345385	19.660	ng	99
15) Benzyl Alcohol	8.016	79	234541	19.413	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.293	45	350829	19.598	ng	98
17) 2-Methylphenol	8.228	107	225978	19.450	ng	99
18) Hexachloroethane	8.845	117	126530	19.571	ng	99
19) n-Nitroso-di-n-propyla...	8.575	70	223538	20.006	ng	99
20) 3+4-Methylphenols	8.557	107	307585	19.604	ng	97
22) Acetophenone	8.592	105	434539	19.499	ng	98
24) Nitrobenzene	8.969	77	309341	19.667	ng	99
25) Isophorone	9.498	82	609252	19.648	ng	99
26) 2-Nitrophenol	9.681	139	154364	19.211	ng	97
27) 2,4-Dimethylphenol	9.751	122	259319	19.460	ng	99
28) bis(2-Chloroethoxy)met...	9.975	93	378162	19.732	ng	100
29) 2,4-Dichlorophenol	10.234	162	292336	19.582	ng	99
30) 1,2,4-Trichlorobenzene	10.428	180	352792	19.397	ng	98
31) Naphthalene	10.610	128	890530	19.618	ng	99
32) Benzoic acid	9.881	122	154412m	18.168	ng	
33) 4-Chloroaniline	10.734	127	362366	19.475	ng	99
34) Hexachlorobutadiene	10.898	225	223143	19.327	ng	99
35) Caprolactam	11.516	113	84917	19.509	ng	93
36) 4-Chloro-3-methylphenol	11.875	107	270510	19.613	ng	99
37) 2-Methylnaphthalene	12.228	142	593403	19.498	ng	99
38) 1-Methylnaphthalene	12.445	142	634293	19.694	ng	99
40) 1,2,4,5-Tetrachloroben...	12.604	216	402355	18.909	ng	99
41) Hexachlorocyclopentadiene	12.575	237	222254	17.091	ng	100
43) 2,4,6-Trichlorophenol	12.851	196	260161	19.276	ng	96

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
 Data File : BM050027.D
 Acq On : 28 Apr 2025 14:27
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 04/29/2025
 Supervised By :Jagrut Upadhyay 04/29/2025

Quant Time: Apr 28 17:55:16 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 17:38:08 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.939	196	278307	19.123	ng	98
46) 1,1'-Biphenyl	13.239	154	892394	19.530	ng	99
47) 2-Chloronaphthalene	13.286	162	709815	19.614	ng	100
48) 2-Nitroaniline	13.498	65	165324	19.465	ng	99
49) Acenaphthylene	14.133	152	1112766	19.502	ng	99
50) Dimethylphthalate	13.869	163	883120	19.659	ng	99
51) 2,6-Dinitrotoluene	13.986	165	183493	19.729	ng	99
52) Acenaphthene	14.474	154	643177	19.474	ng	99
53) 3-Nitroaniline	14.327	138	174626	19.666	ng	97
54) 2,4-Dinitrophenol	14.551	184	80991	18.373	ng	99
55) Dibenzofuran	14.810	168	1074975	19.562	ng	99
56) 4-Nitrophenol	14.686	139	110948	19.021	ng	96
57) 2,4-Dinitrotoluene	14.786	165	252994	19.685	ng	100
58) Fluorene	15.457	166	879470	19.553	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.051	232	244928	19.442	ng	99
60) Diethylphthalate	15.233	149	848021	20.034	ng	99
61) 4-Chlorophenyl-phenyle...	15.451	204	473276	19.157	ng	95
62) 4-Nitroaniline	15.492	138	170438	19.880	ng	95
63) Azobenzene	15.745	77	707026	19.930	ng	99
65) 4,6-Dinitro-2-methylph...	15.557	198	136910	17.576	ng	94
66) n-Nitrosodiphenylamine	15.669	169	741920	19.415	ng	99
67) 4-Bromophenyl-phenylether	16.345	248	285352	18.962	ng	98
68) Hexachlorobenzene	16.468	284	327912	18.903	ng	98
69) Atrazine	16.621	200	266068	19.303	ng	98
70) Pentachlorophenol	16.821	266	175794	18.004	ng	99
71) Phenanthrene	17.198	178	1348190	19.208	ng	100
72) Anthracene	17.292	178	1364462	19.210	ng	100
73) Carbazole	17.568	167	1194316	19.377	ng	99
74) Di-n-butylphthalate	18.121	149	1432688	19.519	ng	99
75) Fluoranthene	19.221	202	1555160	18.872	ng	99
77) Benzidine	19.409	184	777502	18.175	ng	99
78) Pyrene	19.580	202	1603874	18.964	ng	100
80) Butylbenzylphthalate	20.474	149	620751	19.597	ng	94
81) Benzo(a)anthracene	21.380	228	1591290	19.187	ng	100
82) 3,3'-Dichlorobenzidine	21.303	252	582038	18.333	ng	99
83) Chrysene	21.445	228	1461777	19.044	ng	99
84) Bis(2-ethylhexyl)phtha...	21.298	149	933505	19.730	ng	98
85) Di-n-octyl phthalate	22.427	149	1525599	19.552	ng	100
87) Indeno(1,2,3-cd)pyrene	27.791	276	1671967	18.840	ng	99
88) Benzo(b)fluoranthene	23.450	252	1439776	18.588	ng	99
89) Benzo(k)fluoranthene	23.515	252	1489410	19.005	ng	100
90) Benzo(a)pyrene	24.262	252	1365706	18.825	ng	99
91) Dibenzo(a,h)anthracene	27.838	278	1360269	18.803	ng	99
92) Benzo(g,h,i)perylene	28.850	276	1316513	19.008	ng	99

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

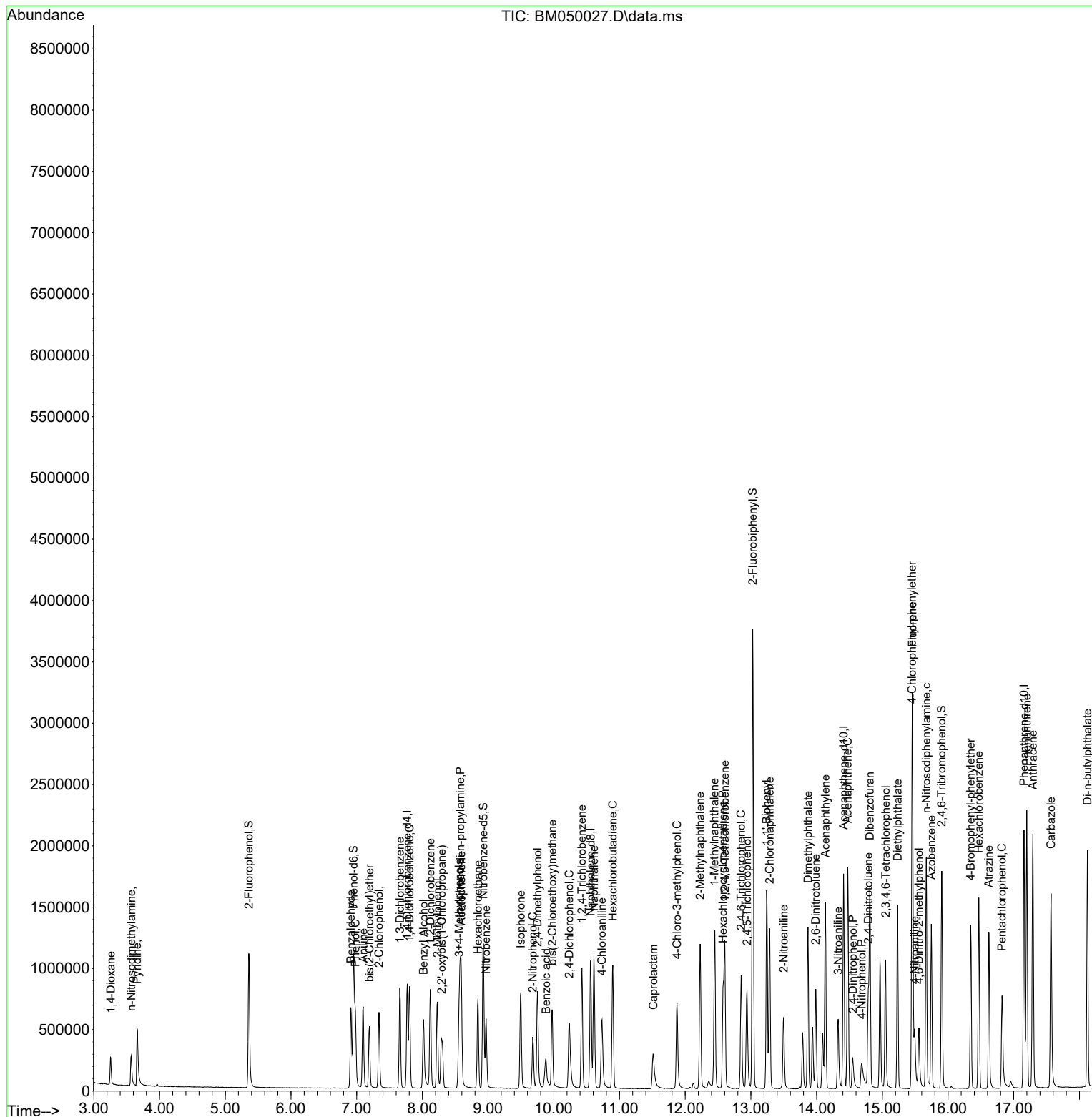
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
 Data File : BM050027.D
 Acq On : 28 Apr 2025 14:27
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 04/29/2025
 Supervised By :Jagrut Upadhyay 04/29/2025

Quant Time: Apr 28 17:55:16 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 17:38:08 2025
 Response via : Initial Calibration



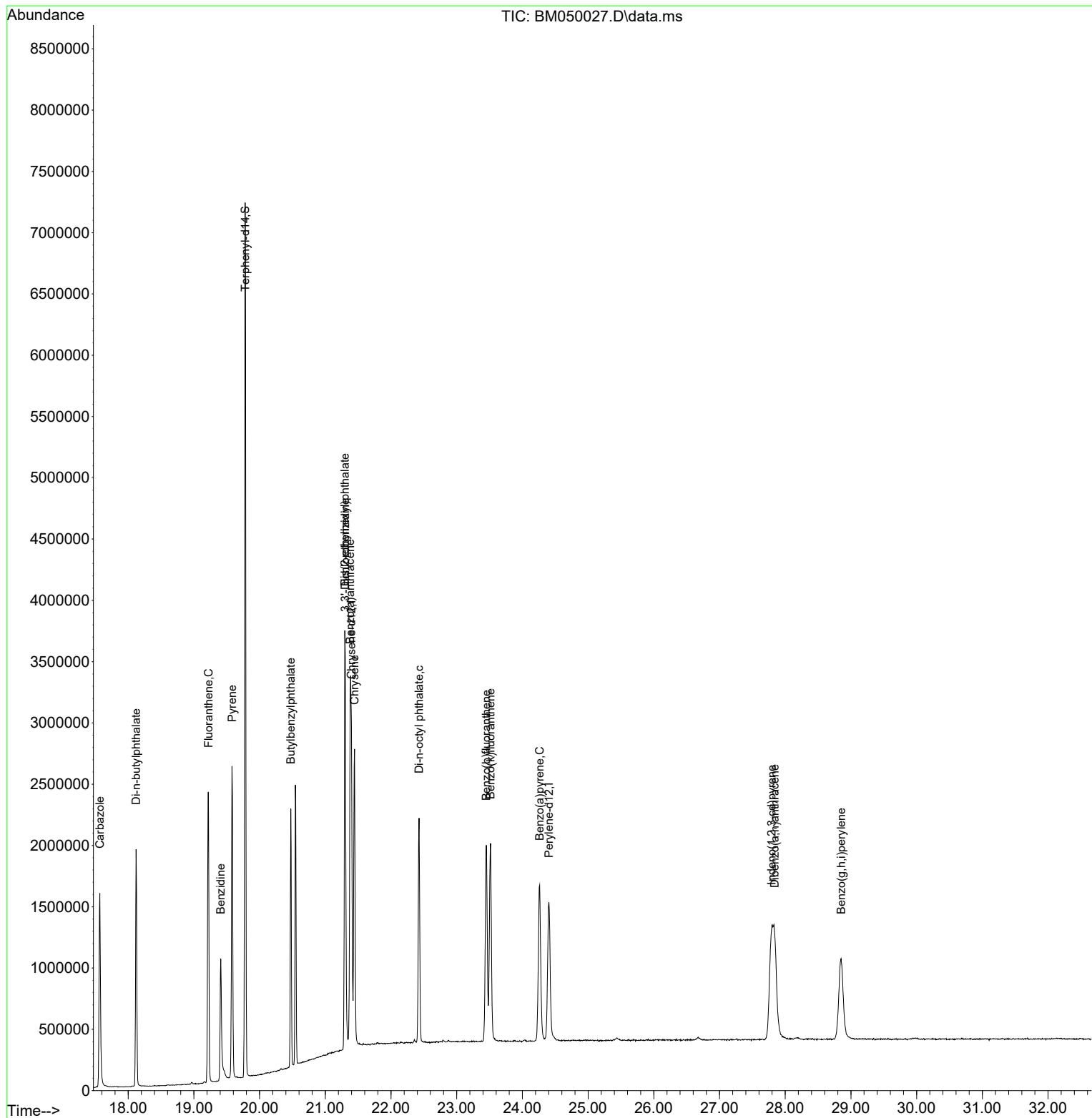
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Data File : BM050027.D
Acq On : 28 Apr 2025 14:27
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

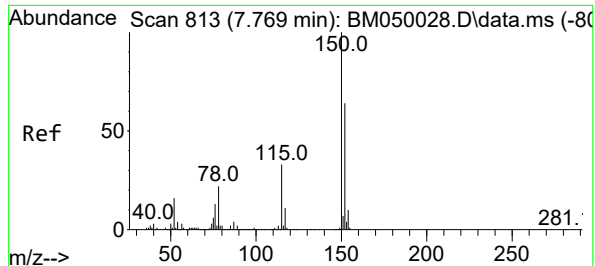
Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

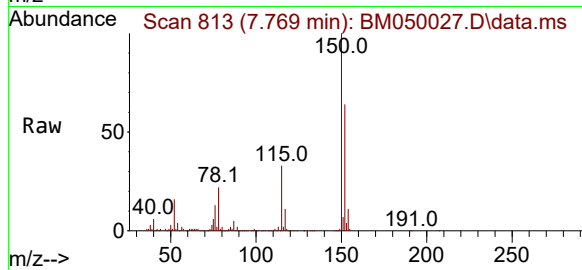
Quant Time: Apr 28 17:55:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 813
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

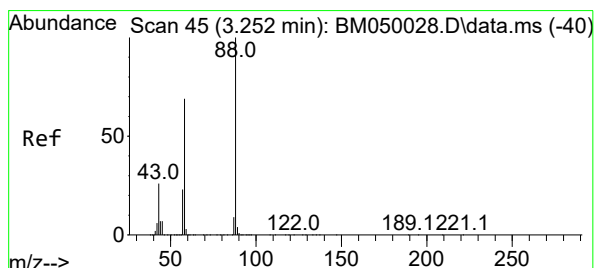
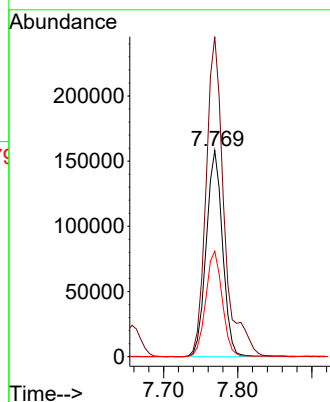
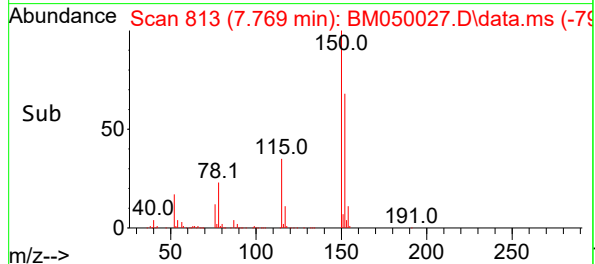
Instrument :
BNA_M
ClientSampleId :
SSTDICC020



Tgt Ion:152 Resp: 242715
Ion Ratio Lower Upper
152 100
150 155.2 124.1 186.1
115 51.1 41.2 61.8

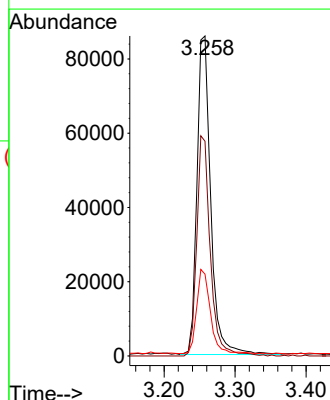
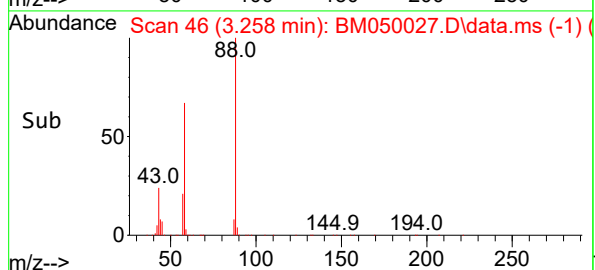
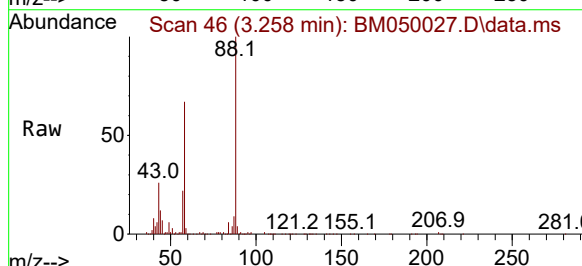
Manual Integrations
APPROVED

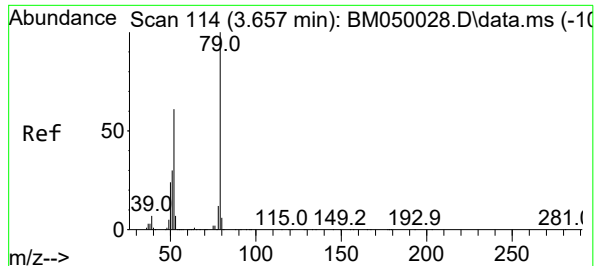
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#2
1,4-Dioxane
Concen: 19.509 ng
RT: 3.258 min Scan# 46
Delta R.T. 0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion: 88 Resp: 115944
Ion Ratio Lower Upper
88 100
58 67.9 55.1 82.7
43 26.7 20.9 31.3





#3

Pyridine

Concen: 19.532 ng

RT: 3.658 min Scan# 114

Delta R.T. 0.000 min

Lab File: BM050027.D

Acq: 28 Apr 2025 14:27

Instrument :

BNA_M

ClientSampleId :

SSTDICC020

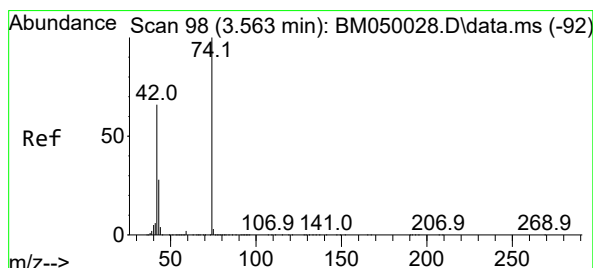
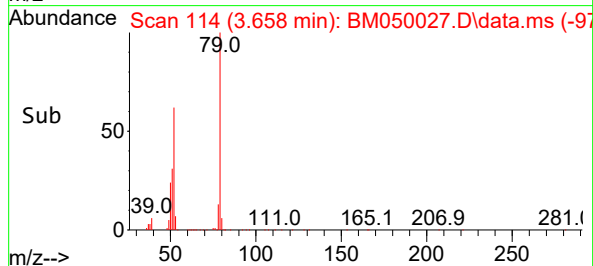
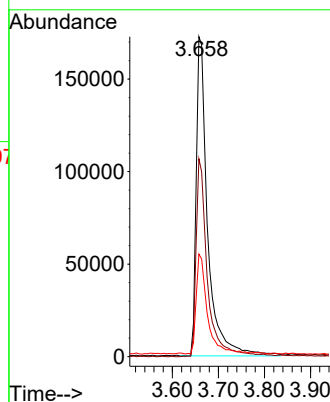
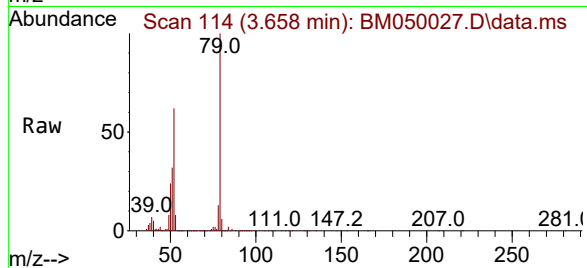
Tgt Ion:	79	Resp:	298250
Ion	Ratio	Lower	Upper
79	100		
52	61.8	48.6	72.8
51	32.1	24.6	37.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/29/2025

Supervised By :Jagrut Upadhyay 04/29/2025



#4

n-Nitrosodimethylamine

Concen: 19.251 ng

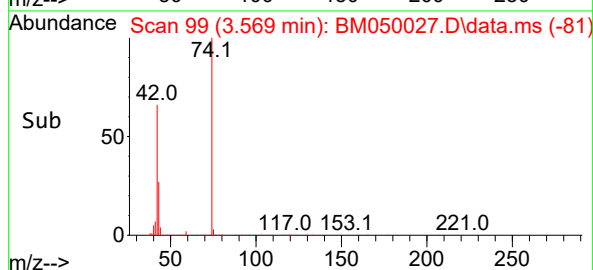
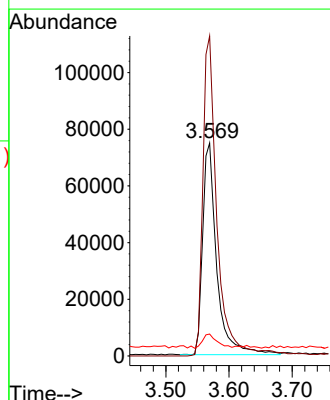
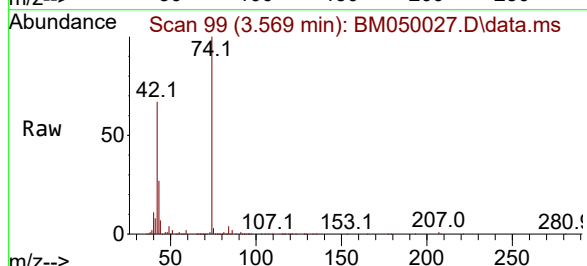
RT: 3.569 min Scan# 99

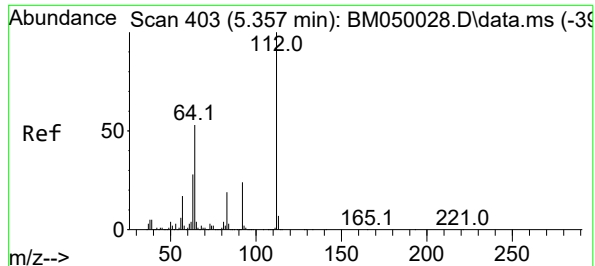
Delta R.T. 0.006 min

Lab File: BM050027.D

Acq: 28 Apr 2025 14:27

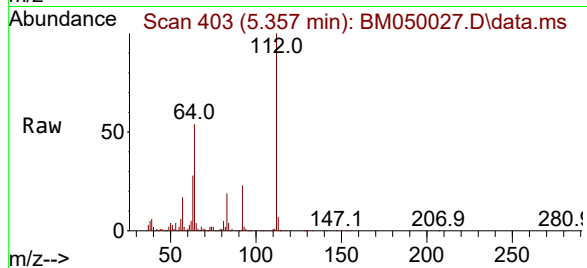
Tgt Ion:	42	Resp:	115296
Ion	Ratio	Lower	Upper
42	100		
74	150.3	120.2	180.2
44	10.3	6.2	9.2





#5
2-Fluorophenol
Concen: 38.777 ng
RT: 5.357 min Scan# 403
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

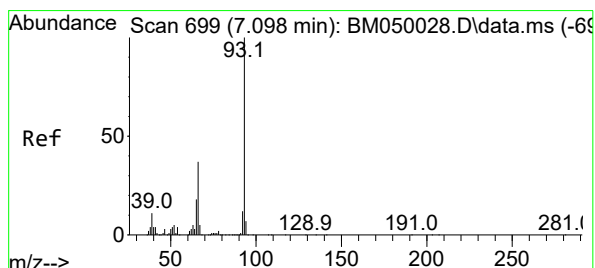
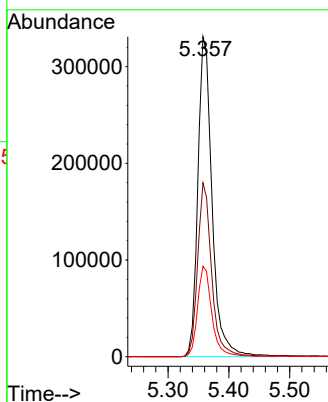
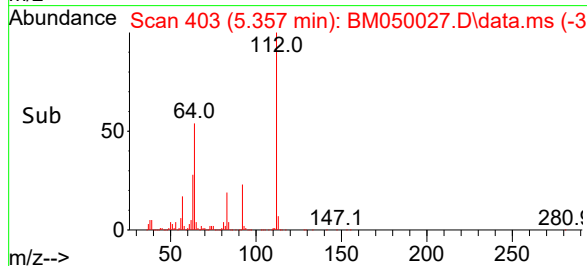
Instrument :
BNA_M
ClientSampleId :
SSTDICC020



Tgt Ion:112 Resp: 537488
Ion Ratio Lower Upper
112 100
64 54.3 42.6 64.0
63 28.2 22.2 33.4

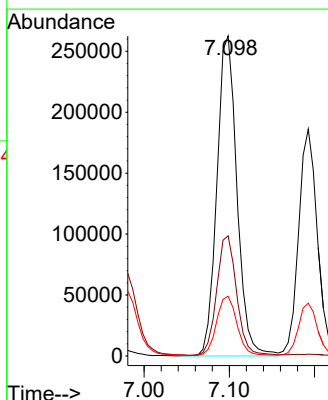
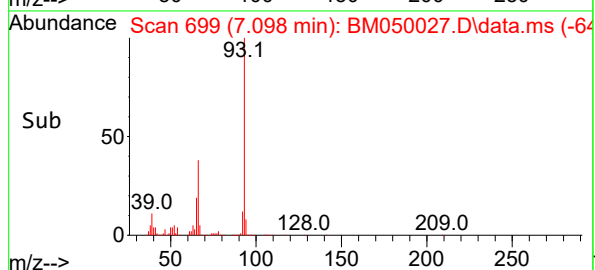
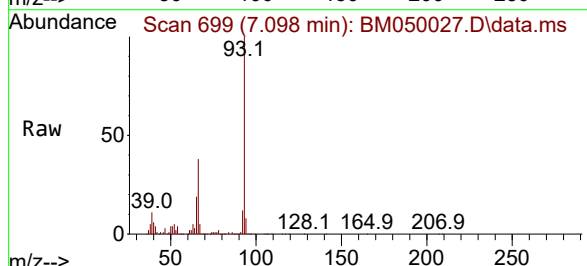
Manual Integrations
APPROVED

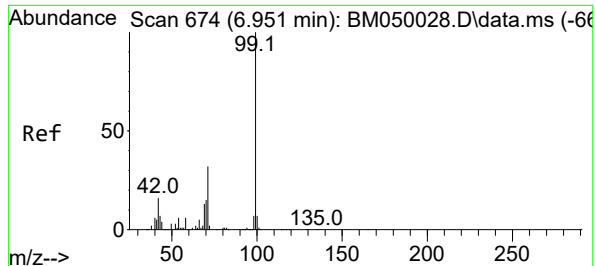
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#6
Aniline
Concen: 19.511 ng
RT: 7.098 min Scan# 699
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

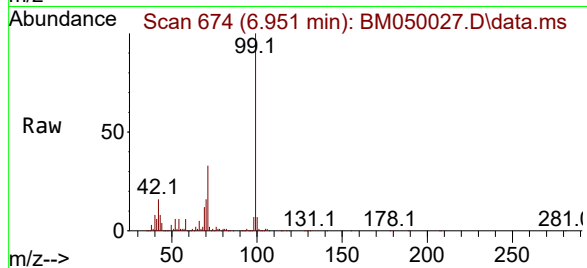
Tgt Ion: 93 Resp: 429222
Ion Ratio Lower Upper
93 100
66 37.5 29.9 44.9
65 18.7 14.5 21.7





#7
Phenol-d6
Concen: 38.941 ng
RT: 6.951 min Scan# 674
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

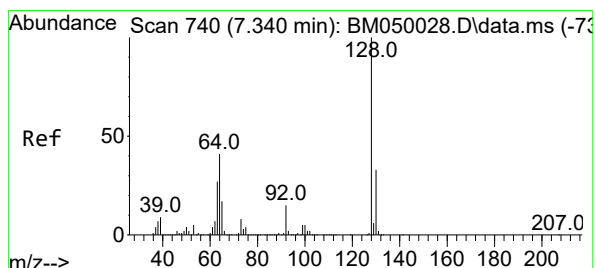
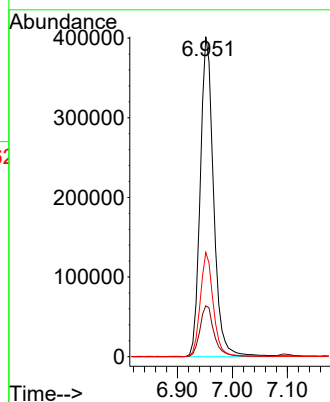
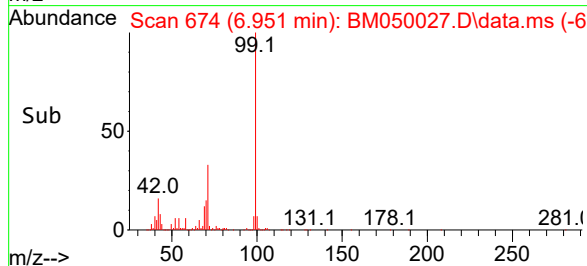
Instrument :
BNA_M
ClientSampleId :
SSTDICC020



Tgt Ion: 99 Resp: 678404
Ion Ratio Lower Upper
99 100
42 15.9 13.0 19.4
71 32.6 25.6 38.4

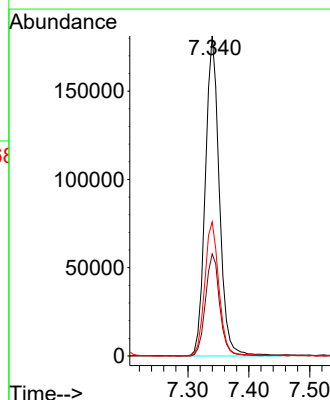
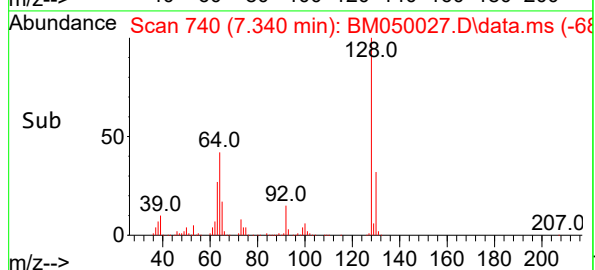
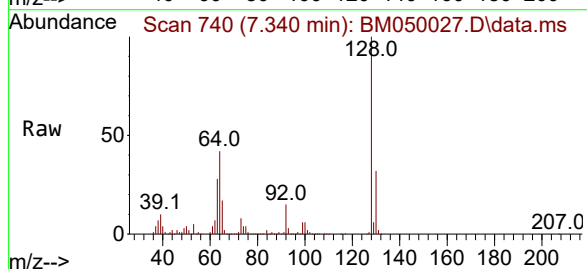
Manual Integrations
APPROVED

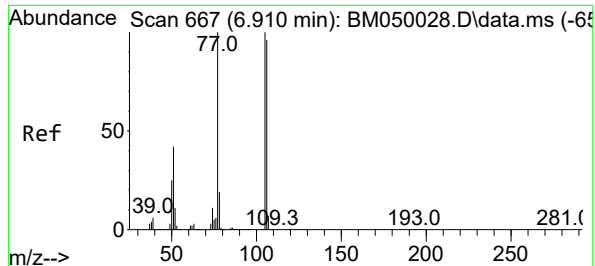
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#8
2-Chlorophenol
Concen: 19.409 ng
RT: 7.340 min Scan# 740
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

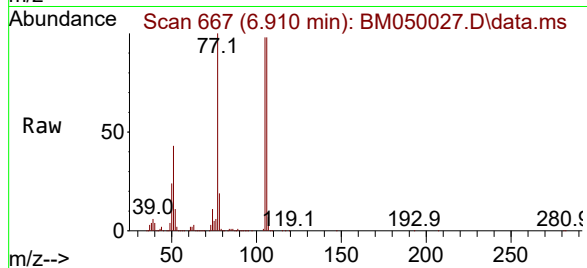
Tgt Ion:128 Resp: 290876
Ion Ratio Lower Upper
128 100
130 31.9 12.8 52.8
64 41.9 21.2 61.2





#9
Benzaldehyde
Concen: 20.233 ng
RT: 6.910 min Scan# 667
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

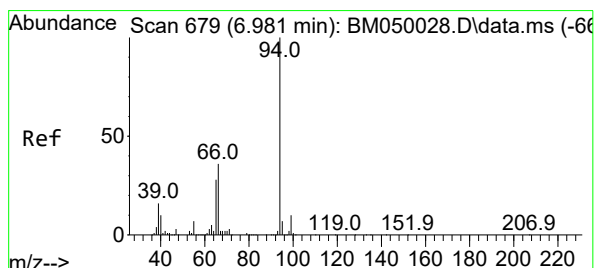
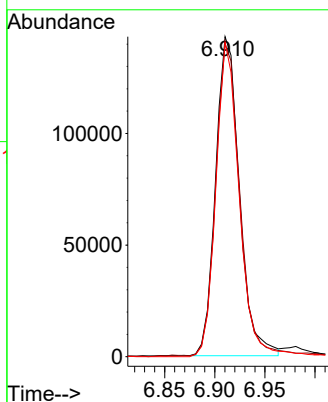
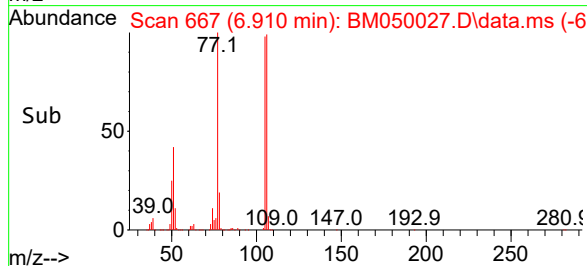
Instrument :
BNA_M
ClientSampleId :
SSTDICC020



Tgt Ion: 77 Resp: 235594
Ion Ratio Lower Upper
77 100
105 97.9 80.5 120.5
106 98.3 76.1 116.1

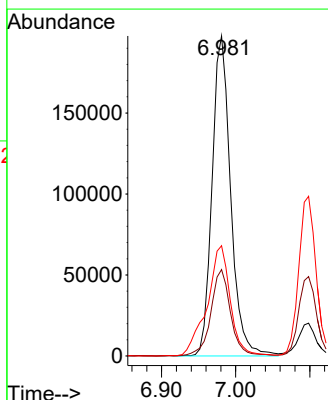
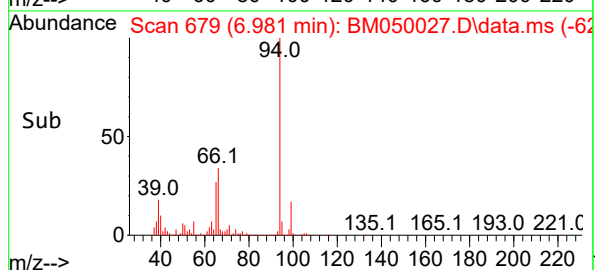
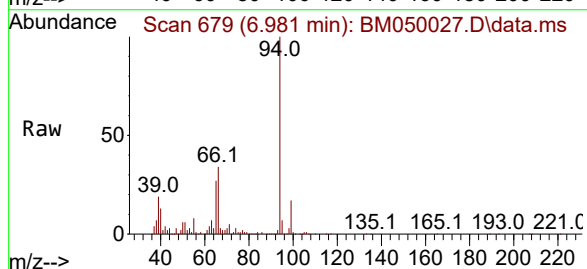
Manual Integrations
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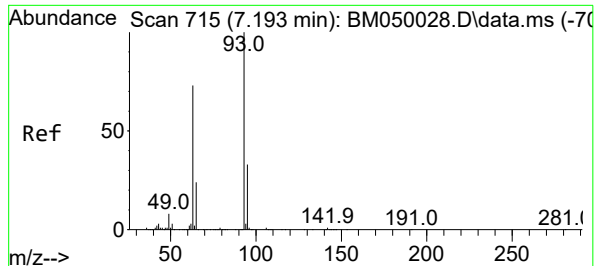
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#10
Phenol
Concen: 19.537 ng
RT: 6.981 min Scan# 679
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion: 94 Resp: 344567
Ion Ratio Lower Upper
94 100
65 27.0 7.6 47.6
66 34.4 15.8 55.8





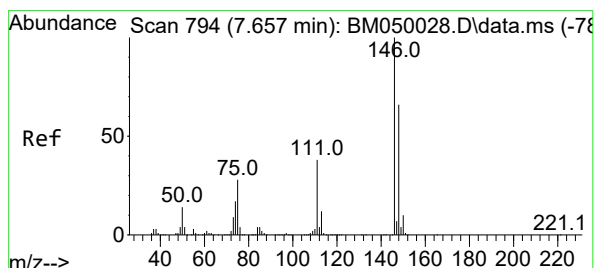
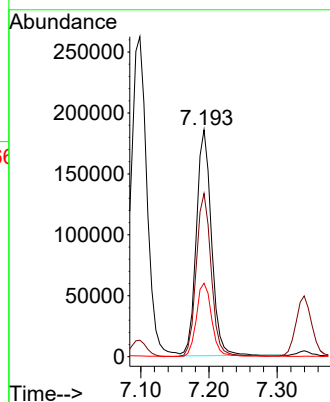
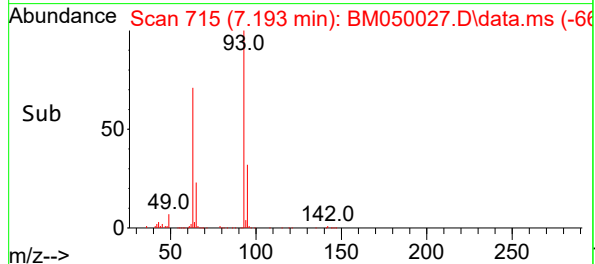
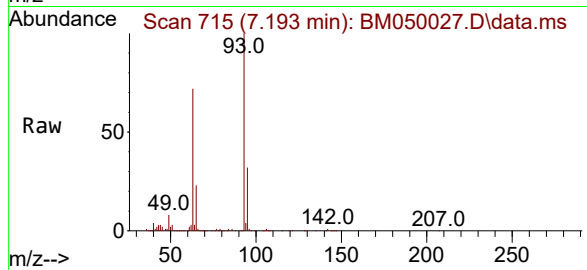
#11
bis(2-Chloroethyl)ether
Concen: 19.375 ng
RT: 7.193 min Scan# 715
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 93 Resp: 285330
Ion Ratio Lower Upper
93 100
63 71.9 52.3 92.3
95 32.4 12.8 52.8

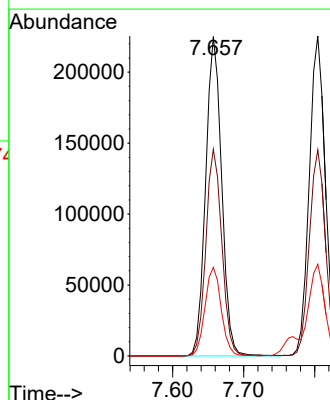
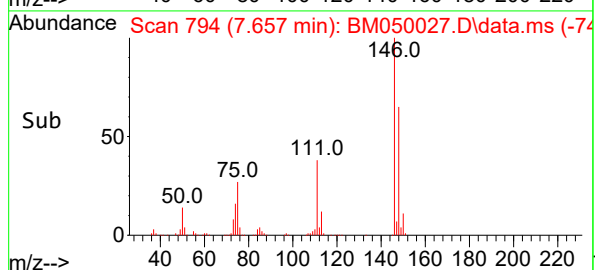
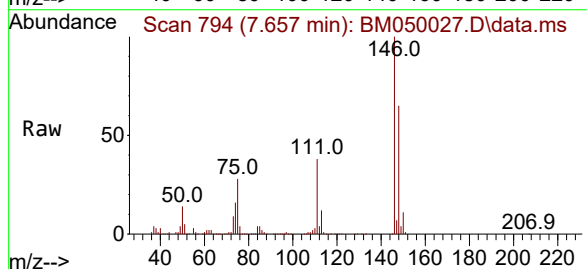
Manual Integrations
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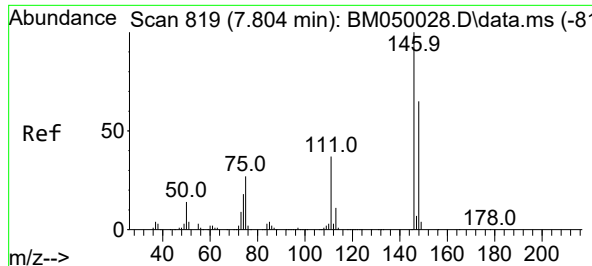
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#12
1,3-Dichlorobenzene
Concen: 19.480 ng
RT: 7.657 min Scan# 794
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:146 Resp: 352660
Ion Ratio Lower Upper
146 100
148 64.7 52.5 78.7
75 27.8 22.6 34.0





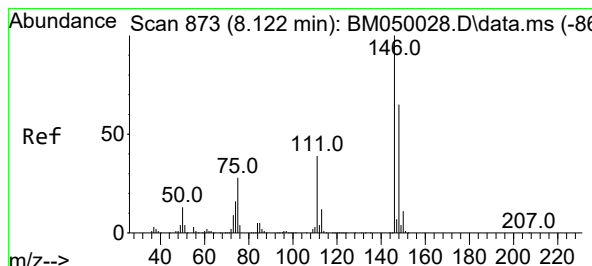
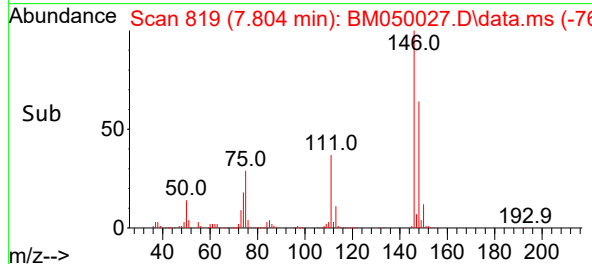
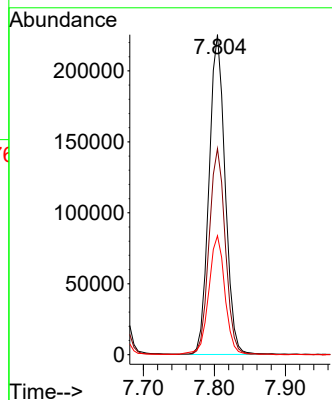
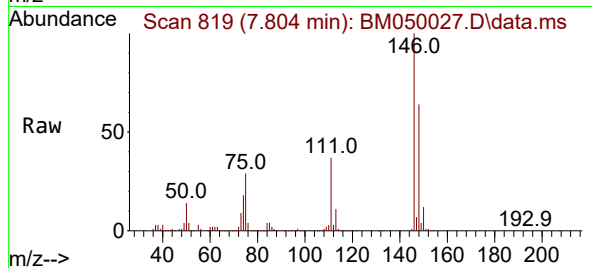
#13
1,4-Dichlorobenzene
Concen: 19.518 ng
RT: 7.804 min Scan# 819
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:146 Resp: 354975
Ion Ratio Lower Upper
146 100
148 64.4 52.2 78.2
111 37.2 29.3 43.9

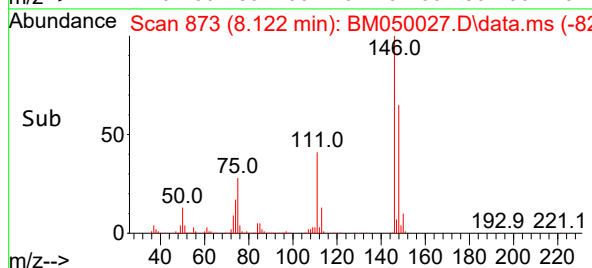
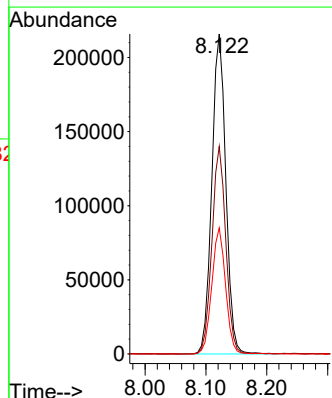
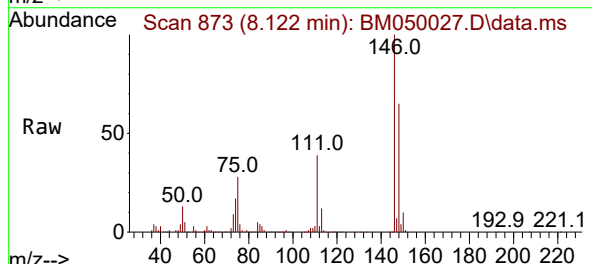
Manual Integrations
APPROVED

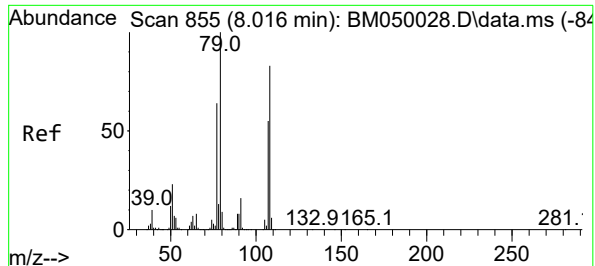
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#14
1,2-Dichlorobenzene
Concen: 19.660 ng
RT: 8.122 min Scan# 873
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:146 Resp: 345385
Ion Ratio Lower Upper
146 100
148 64.8 52.4 78.6
111 39.4 31.0 46.6





#15

Benzyl Alcohol

Concen: 19.413 ng

RT: 8.016 min Scan# 855

Delta R.T. 0.000 min

Lab File: BM050027.D

Acq: 28 Apr 2025 14:27

Instrument :

BNA_M

ClientSampleId :

SSTDICC020

Tgt Ion: 79 Resp: 23454

Ion Ratio Lower Upper

79 100

108 79.9 66.0 99.0

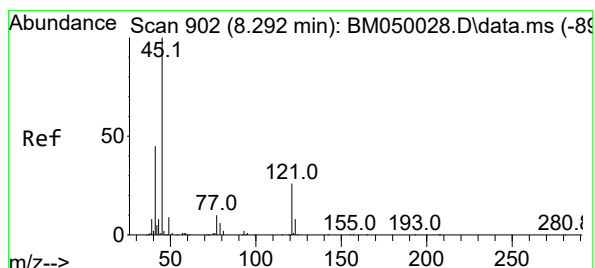
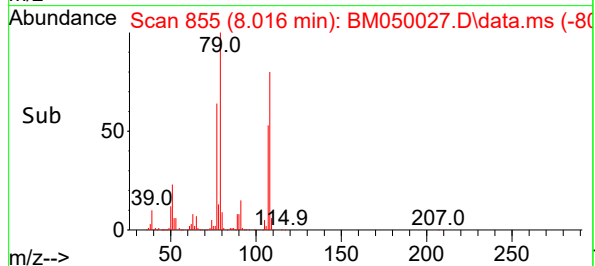
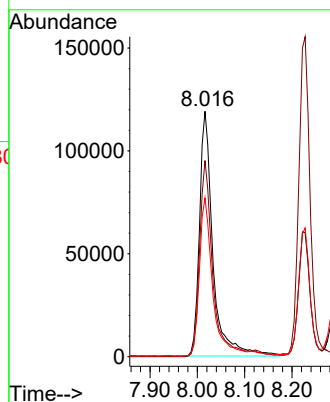
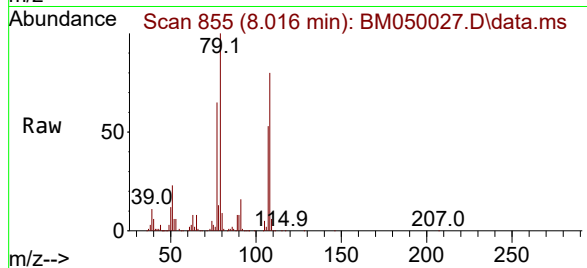
77 64.6 51.6 77.4

Manual Integrations

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Reviewed By :Rahul Chavli 04/29/2025

Supervised By :Jagrut Upadhyay 04/29/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 19.598 ng

RT: 8.293 min Scan# 902

Delta R.T. 0.000 min

Lab File: BM050027.D

Acq: 28 Apr 2025 14:27

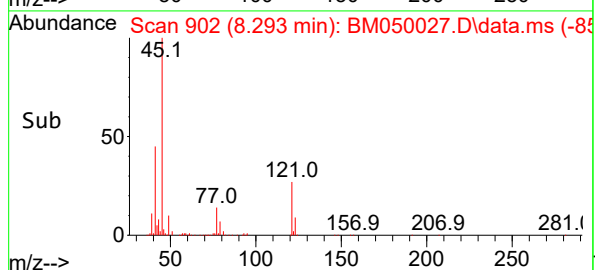
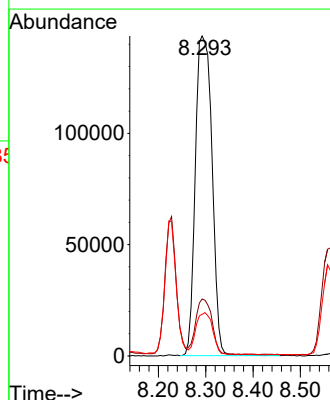
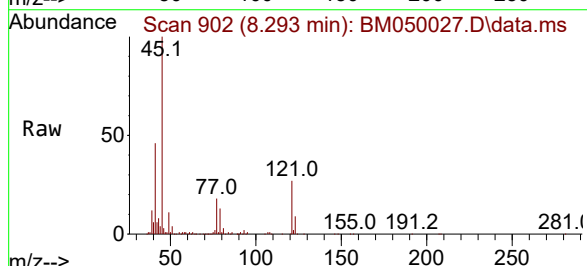
Tgt Ion: 45 Resp: 350829

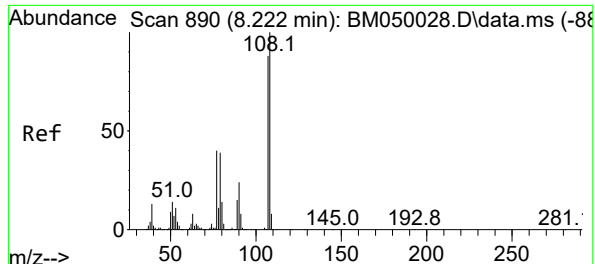
Ion Ratio Lower Upper

45 100

77 17.8 0.0 36.4

79 13.0 0.0 32.7





#17

2-Methylphenol

Concen: 19.450 ng

RT: 8.228 min Scan# 891

Delta R.T. 0.006 min

Lab File: BM050027.D

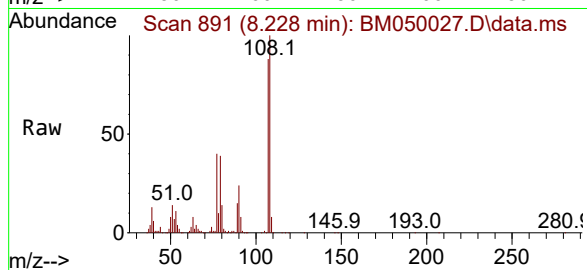
Acq: 28 Apr 2025 14:27

Instrument :

BNA_M

ClientSampleId :

SSTDICC020



Tgt Ion:107 Resp: 225978

Ion Ratio Lower Upper

107 100

108 113.4 91.1 136.7

77 45.7 36.2 54.4

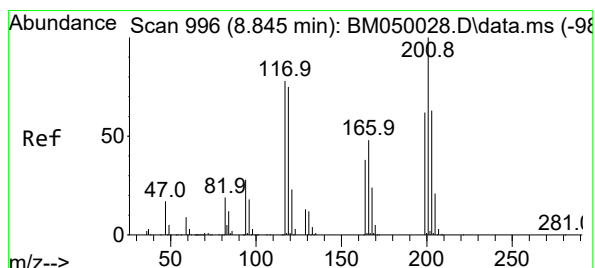
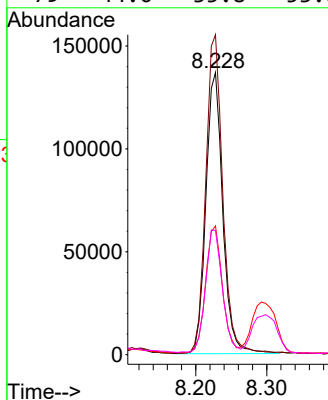
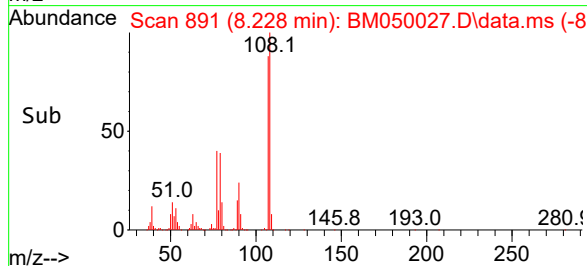
79 44.0 35.8 53.8

Manual Integrations

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Reviewed By :Rahul Chavli 04/29/2025

Supervised By :Jagrut Upadhyay 04/29/2025



#18

Hexachloroethane

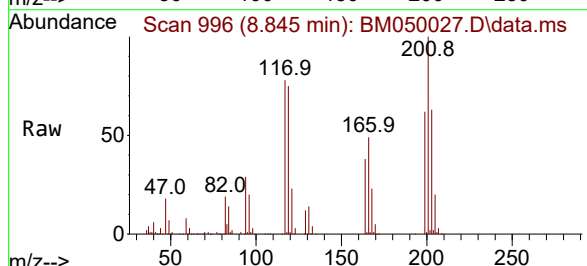
Concen: 19.571 ng

RT: 8.845 min Scan# 996

Delta R.T. 0.000 min

Lab File: BM050027.D

Acq: 28 Apr 2025 14:27



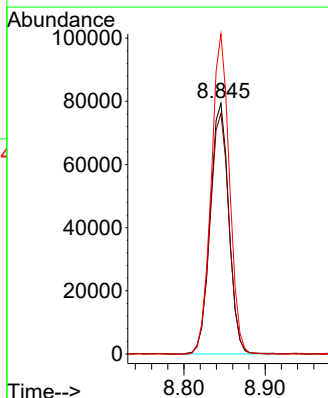
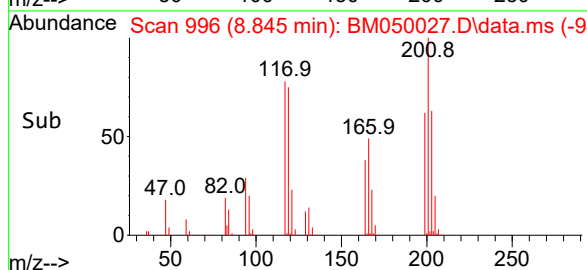
Tgt Ion:117 Resp: 126530

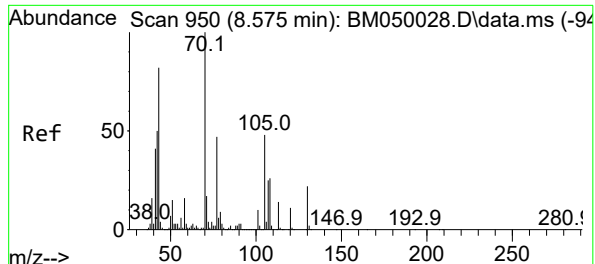
Ion Ratio Lower Upper

117 100

119 95.9 77.3 115.9

201 127.6 102.8 154.2





#19

n-Nitroso-di-n-propylamine

Concen: 20.006 ng

RT: 8.575 min Scan# 950

Delta R.T. 0.000 min

Lab File: BM050027.D

Acq: 28 Apr 2025 14:27

Instrument :

BNA_M

ClientSampleId :

SSTDICC020

Tgt Ion: 70 Resp: 223538

Ion Ratio Lower Upper

70 100

42 49.5 40.5 60.7

101 9.5 7.8 11.6

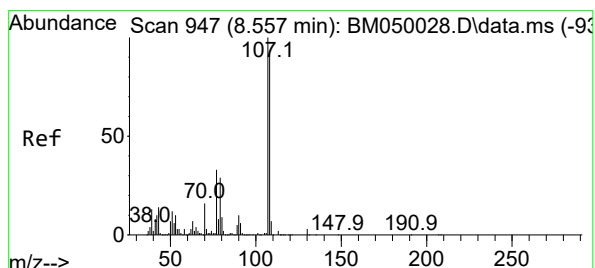
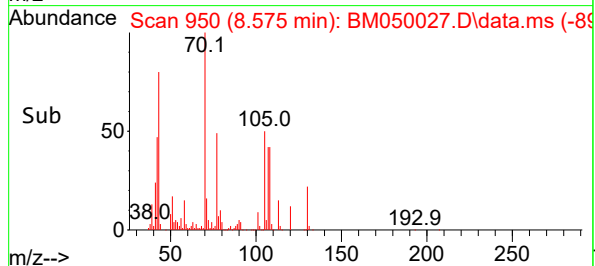
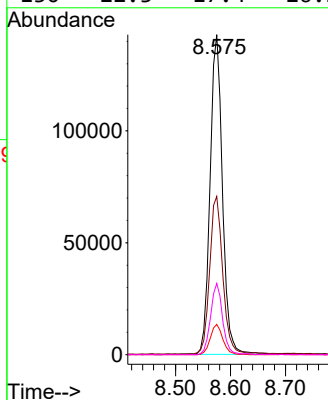
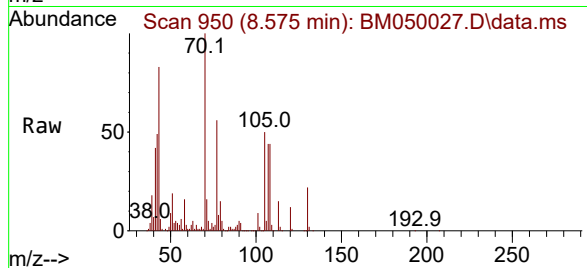
130 22.3 17.4 26.2

Manual Integrations

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Reviewed By :Rahul Chavli 04/29/2025

Supervised By :Jagrut Upadhyay 04/29/2025



#20

3+4-Methylphenols

Concen: 19.604 ng

RT: 8.557 min Scan# 947

Delta R.T. 0.000 min

Lab File: BM050027.D

Acq: 28 Apr 2025 14:27

Tgt Ion:107 Resp: 307585

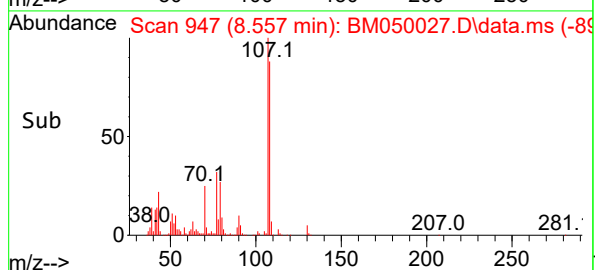
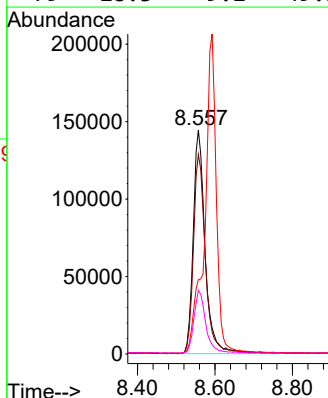
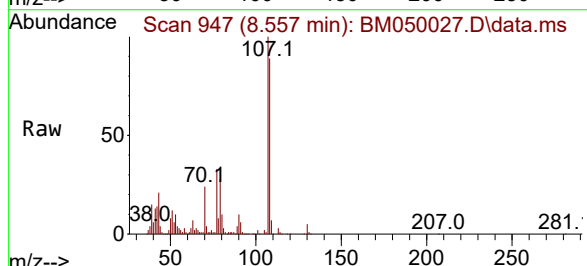
Ion Ratio Lower Upper

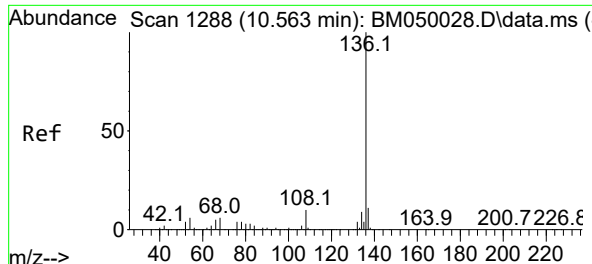
107 100

108 89.1 72.4 112.4

77 33.1 13.6 53.6

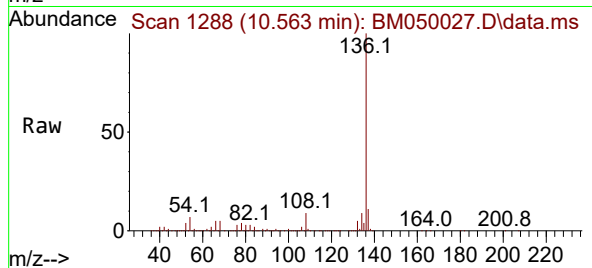
79 28.3 9.2 49.2





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1288
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

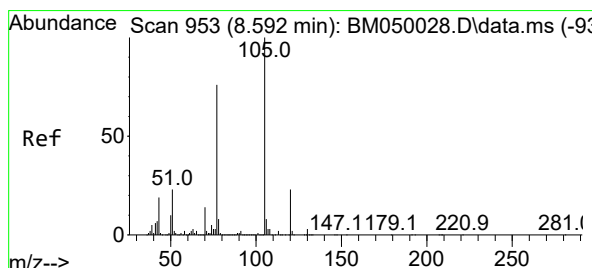
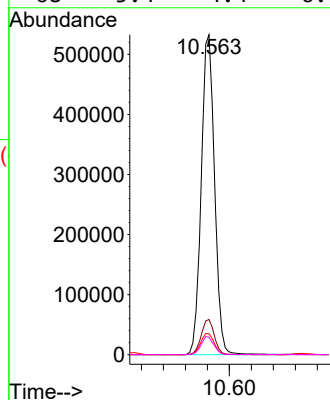
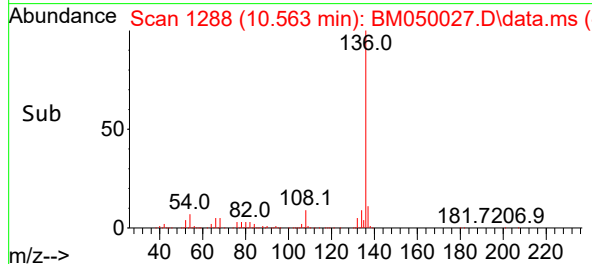
Instrument :
BNA_M
ClientSampleId :
SSTDICC020



Tgt Ion:136 Resp: 896360
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 6.6 5.1 7.7
68 5.4 4.4 6.6

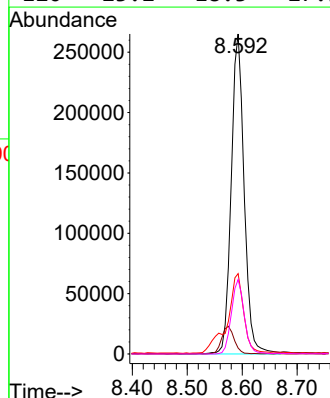
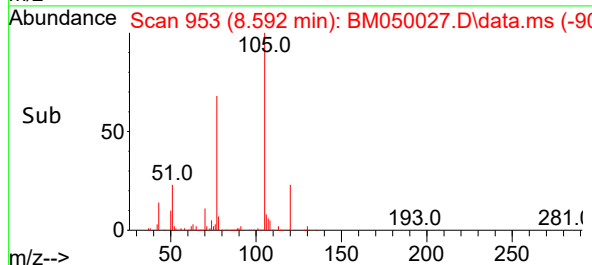
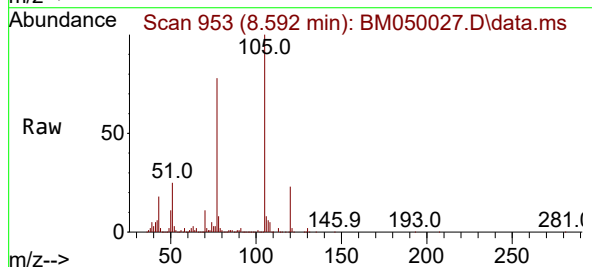
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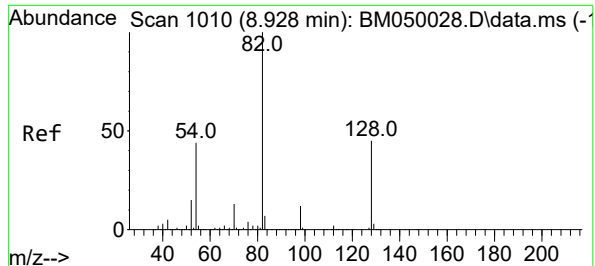
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#22
Acetophenone
Concen: 19.499 ng
RT: 8.592 min Scan# 953
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

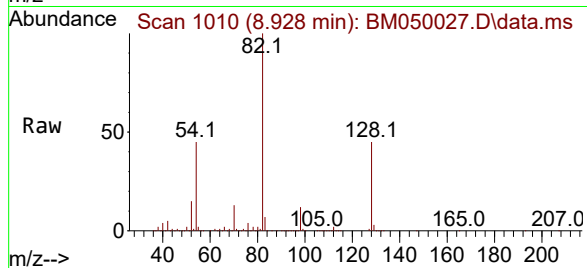
Tgt Ion:105 Resp: 434539
Ion Ratio Lower Upper
105 100
71 1.9 1.7 2.5
51 25.1 18.6 27.8
120 23.2 18.3 27.5





#23
Nitrobenzene-d5
Concen: 39.151 ng
RT: 8.928 min Scan# 1010
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

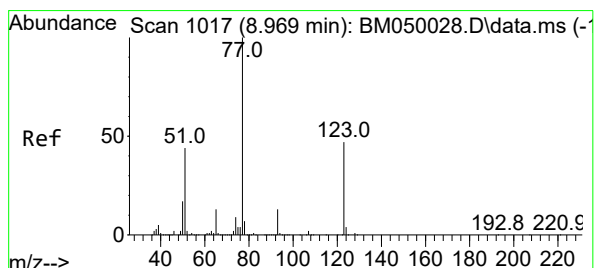
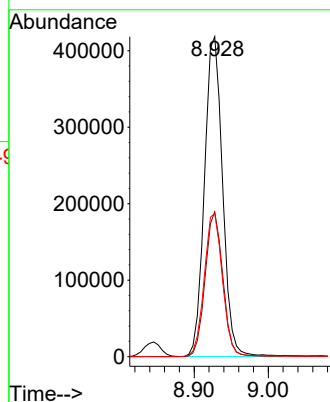
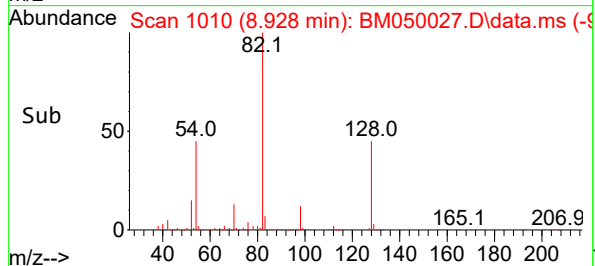
Instrument :
BNA_M
ClientSampleId :
SSTDICC020



Tgt Ion: 82 Resp: 71217
Ion Ratio Lower Upper
82 100
128 45.2 35.7 53.5
54 44.8 35.4 53.2

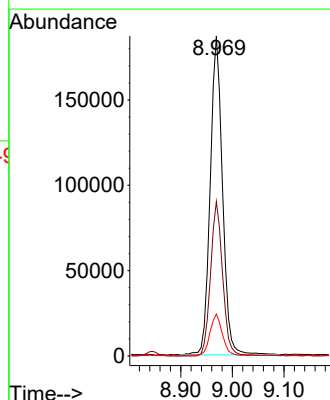
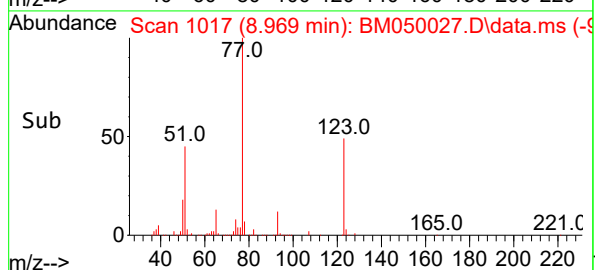
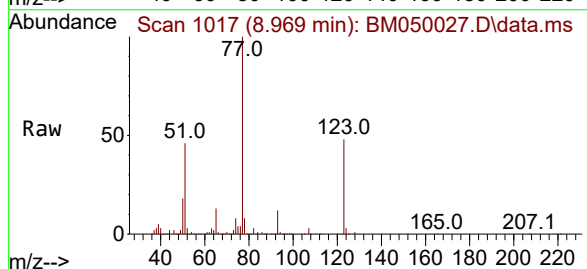
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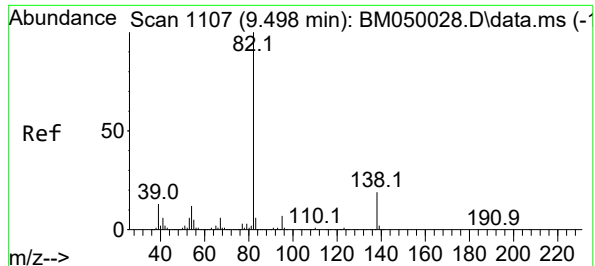
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#24
Nitrobenzene
Concen: 19.667 ng
RT: 8.969 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion: 77 Resp: 309341
Ion Ratio Lower Upper
77 100
123 48.2 37.9 56.9
65 13.1 10.1 15.1





#25

Isophorone

Concen: 19.648 ng

RT: 9.498 min Scan# 1107

Delta R.T. 0.000 min

Lab File: BM050027.D

Acq: 28 Apr 2025 14:27

Instrument :

BNA_M

ClientSampleId :

SSTDICC020

Tgt Ion: 82 Resp: 60925

Ion Ratio Lower Upper

82 100

95 6.7 5.7 8.5

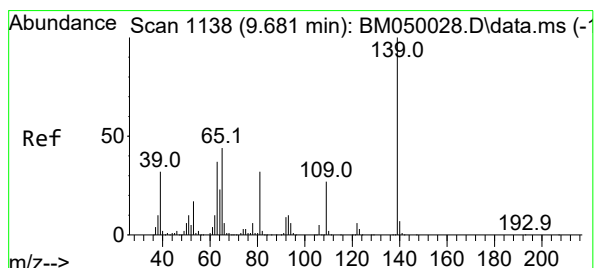
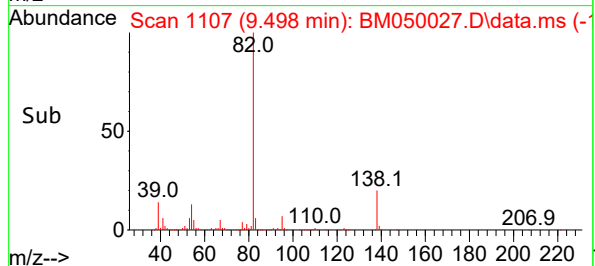
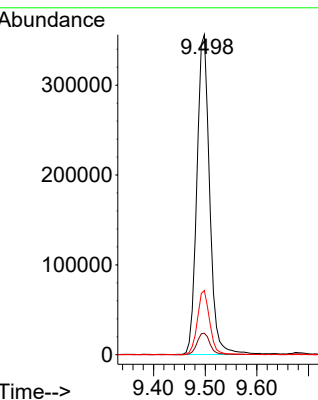
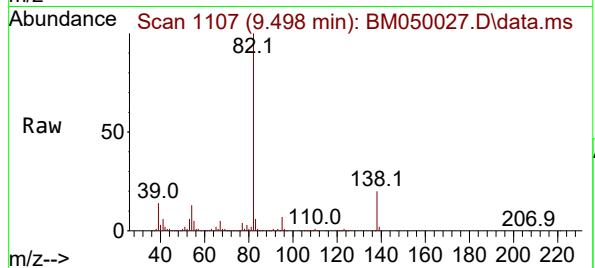
138 20.1 15.5 23.3

Manual Integrations

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Reviewed By :Rahul Chavli 04/29/2025

Supervised By :Jagrut Upadhyay 04/29/2025



#26

2-Nitrophenol

Concen: 19.211 ng

RT: 9.681 min Scan# 1138

Delta R.T. 0.000 min

Lab File: BM050027.D

Acq: 28 Apr 2025 14:27

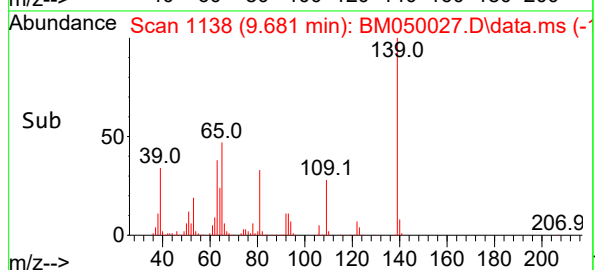
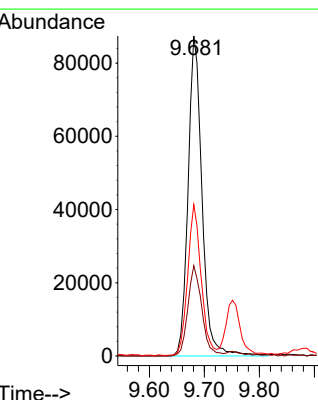
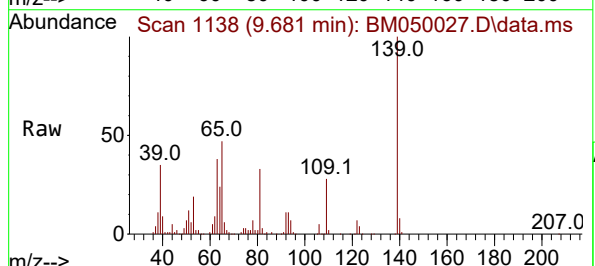
Tgt Ion:139 Resp: 154364

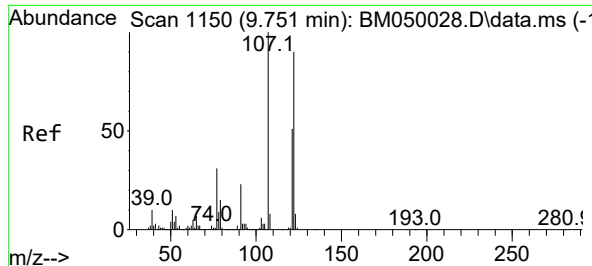
Ion Ratio Lower Upper

139 100

109 28.2 21.9 32.9

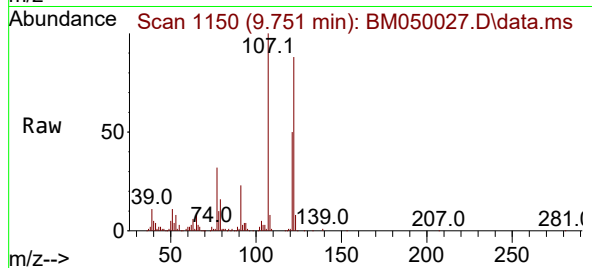
65 47.3 35.4 53.2





#27
2,4-Dimethylphenol
Concen: 19.460 ng
RT: 9.751 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

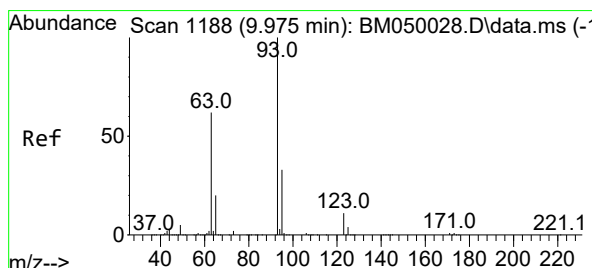
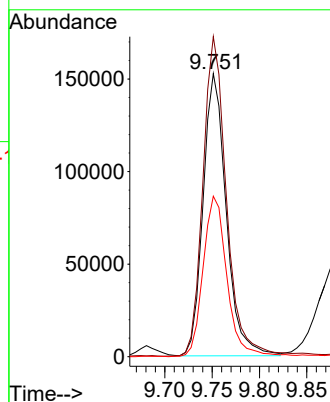
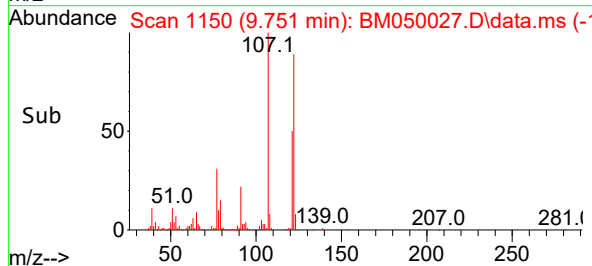
Instrument :
BNA_M
ClientSampleId :
SSTDICC020



Tgt Ion:122 Resp: 259319
Ion Ratio Lower Upper
122 100
107 113.1 89.0 133.6
121 56.7 45.6 68.4

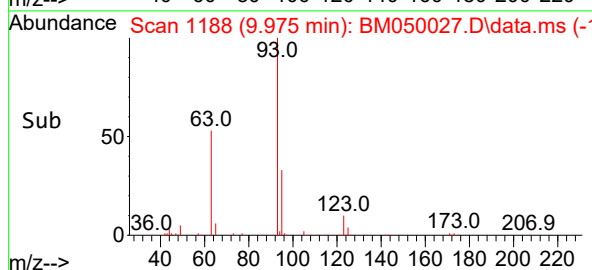
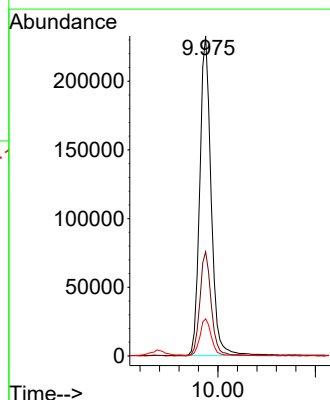
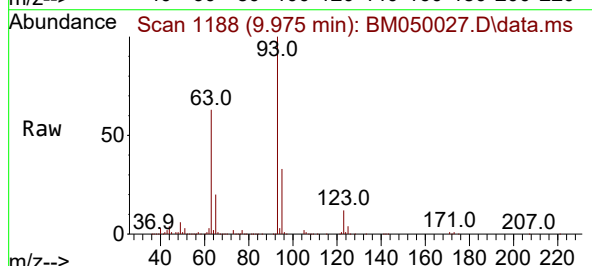
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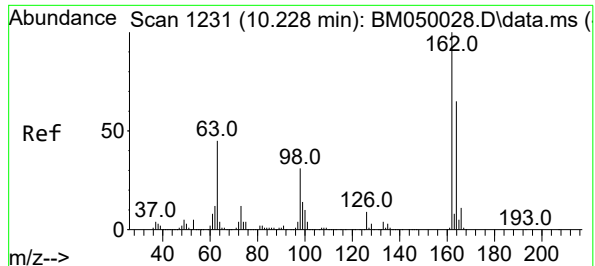
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#28
bis(2-Chloroethoxy)methane
Concen: 19.732 ng
RT: 9.975 min Scan# 1188
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion: 93 Resp: 378162
Ion Ratio Lower Upper
93 100
95 32.5 26.1 39.1
123 11.6 9.5 14.3





#29

2,4-Dichlorophenol

Concen: 19.582 ng

RT: 10.234 min Scan# 1231

Delta R.T. 0.006 min

Lab File: BM050027.D

Acq: 28 Apr 2025 14:27

Instrument :

BNA_M

ClientSampleId :

SSTDICC020

Tgt Ion:162 Resp: 292330

Ion Ratio Lower Upper

162 100

164 65.2 45.4 85.4

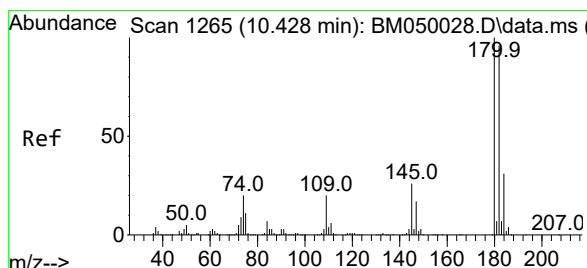
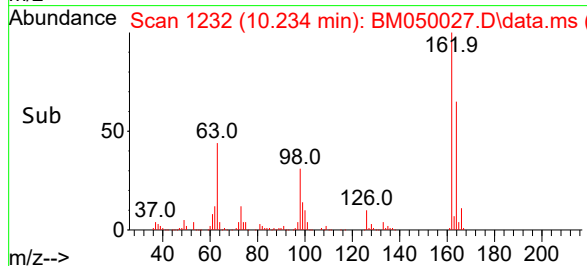
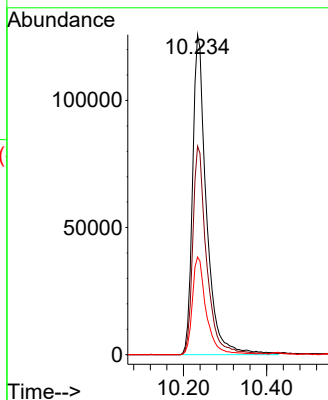
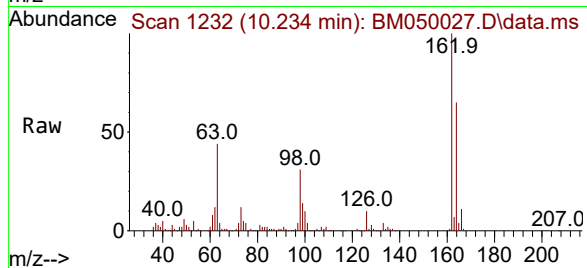
98 30.5 11.3 51.3

Manual Integrations

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Reviewed By :Rahul Chavli 04/29/2025

Supervised By :Jagrut Upadhyay 04/29/2025



#30

1,2,4-Trichlorobenzene

Concen: 19.397 ng

RT: 10.428 min Scan# 1265

Delta R.T. 0.000 min

Lab File: BM050027.D

Acq: 28 Apr 2025 14:27

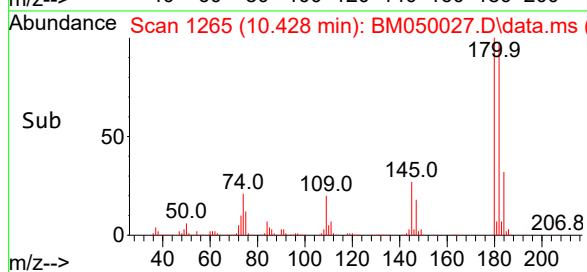
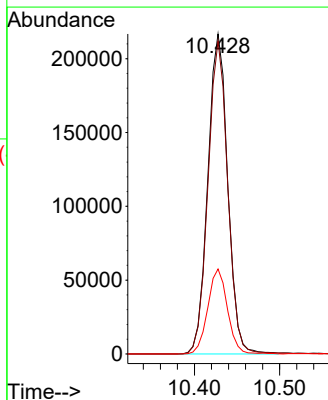
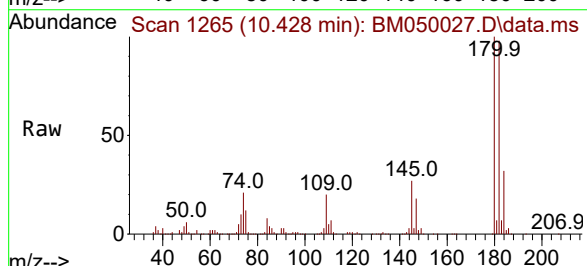
Tgt Ion:180 Resp: 352792

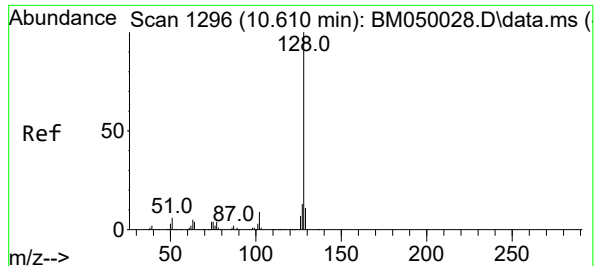
Ion Ratio Lower Upper

180 100

182 97.8 77.0 115.4

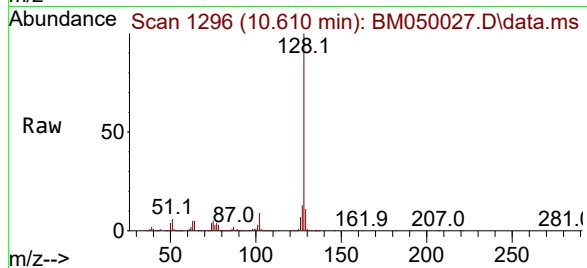
145 26.6 20.6 30.8





#31
Naphthalene
Concen: 19.618 ng
RT: 10.610 min Scan# 1296
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

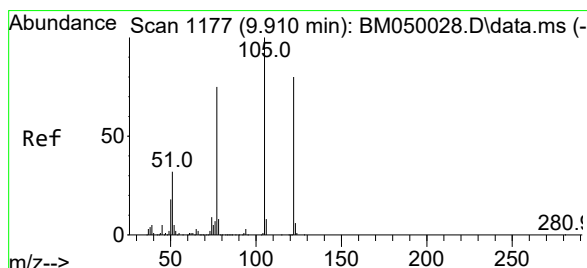
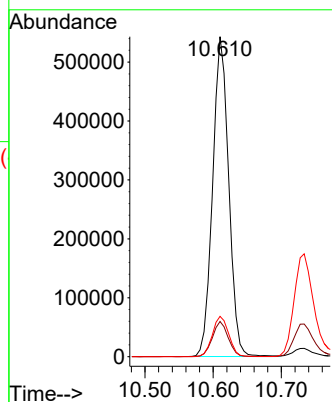
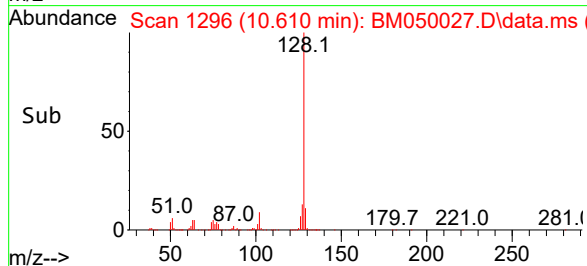
Instrument :
BNA_M
ClientSampleId :
SSTDICC020



Tgt Ion:128 Resp: 890530
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 12.6 10.4 15.6

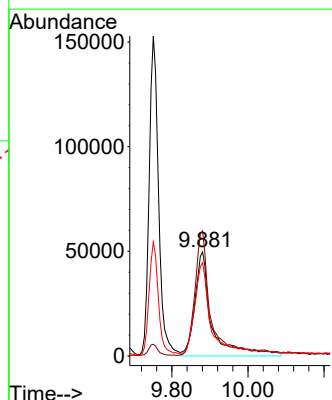
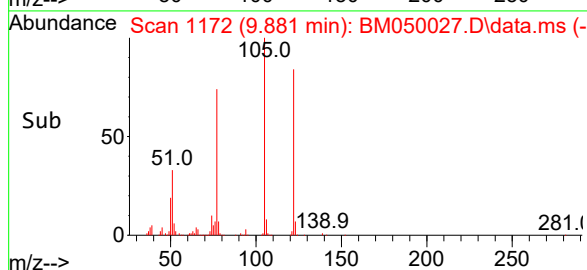
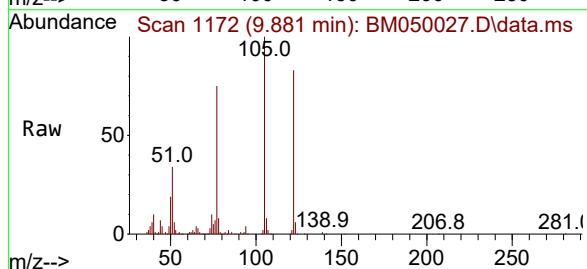
Manual Integrations
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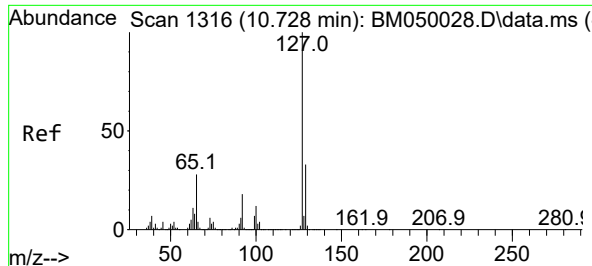
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#32
Benzoic acid
Concen: 18.168 ng m
RT: 9.881 min Scan# 1172
Delta R.T. -0.029 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:122 Resp: 154412
Ion Ratio Lower Upper
122 100
105 120.1 103.6 143.6
77 89.7 73.7 113.7





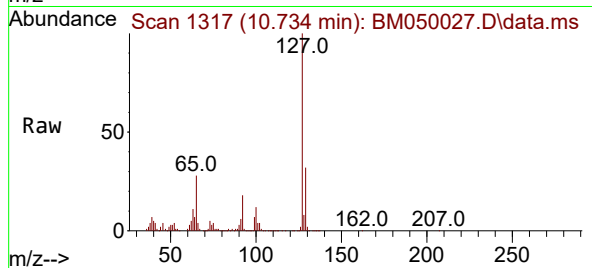
#33
4-Chloroaniline
Concen: 19.475 ng
RT: 10.734 min Scan# 1317
Delta R.T. 0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Instrument :

BNA_M

ClientSampleId :

SSTDICC020



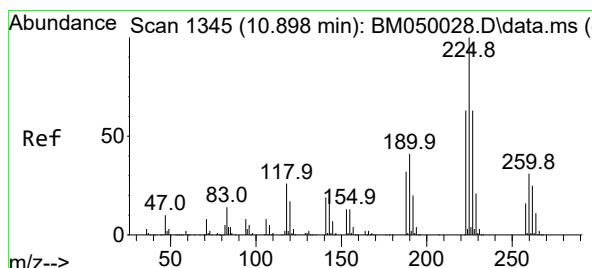
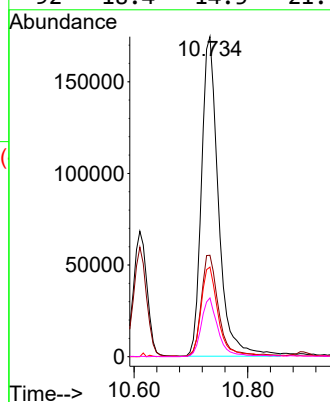
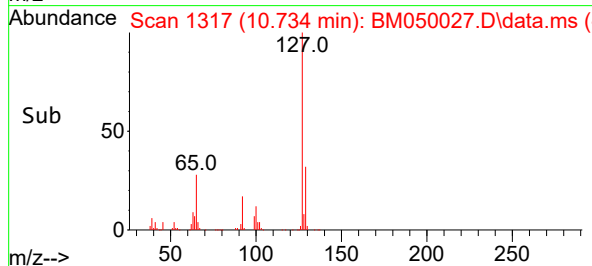
Tgt Ion:127 Resp: 362360
Ion Ratio Lower Upper
127 100
129 31.7 26.3 39.5
65 28.0 22.5 33.7
92 18.4 14.5 21.7

Manual Integrations

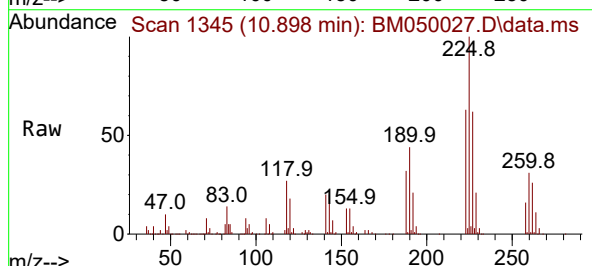
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Reviewed By :Rahul Chavli 04/29/2025

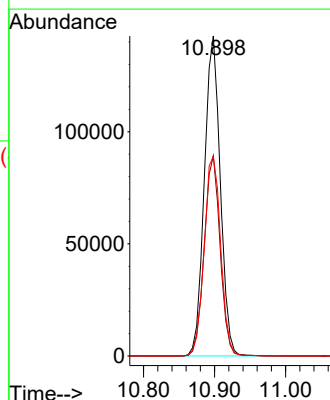
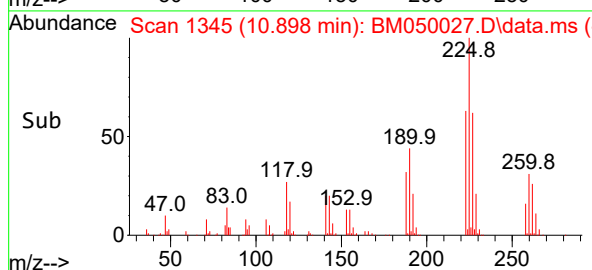
Supervised By :Jagrut Upadhyay 04/29/2025

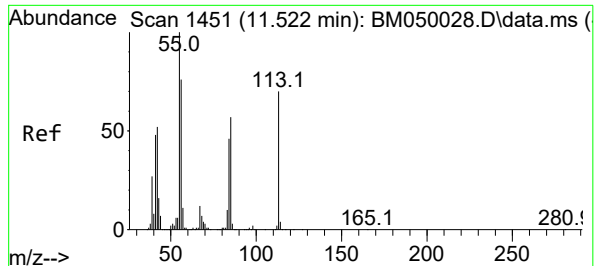


#34
Hexachlorobutadiene
Concen: 19.327 ng
RT: 10.898 min Scan# 1345
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27



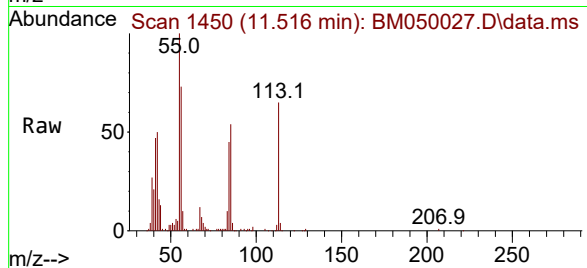
Tgt Ion:225 Resp: 223143
Ion Ratio Lower Upper
225 100
223 62.6 50.2 75.2
227 62.4 50.6 76.0





#35
Caprolactam
Concen: 19.509 ng
RT: 11.516 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

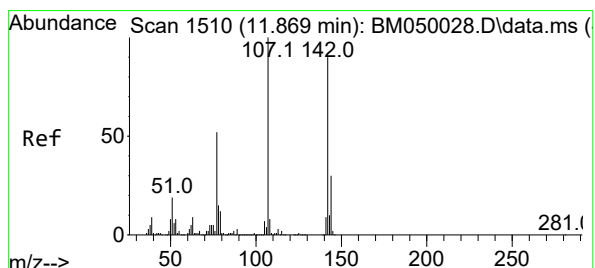
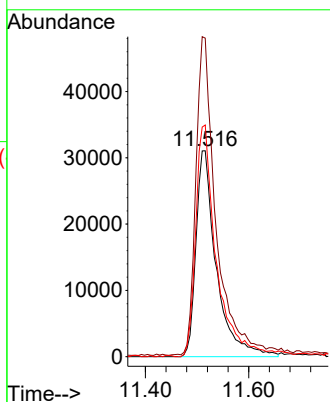
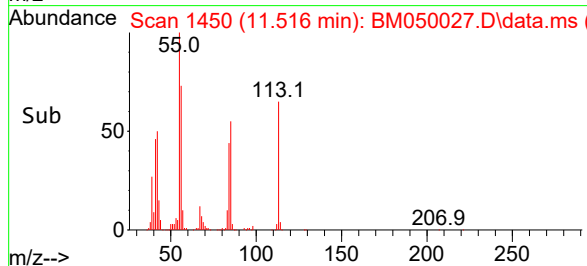
Instrument :
BNA_M
ClientSampleId :
SSTDICC020



Tgt Ion:113 Resp: 8491
Ion Ratio Lower Upper
113 100
55 154.8 122.9 162.9
56 112.6 88.1 128.1

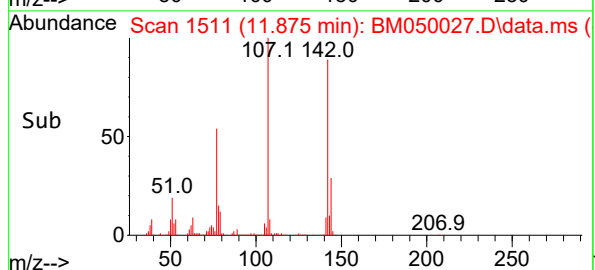
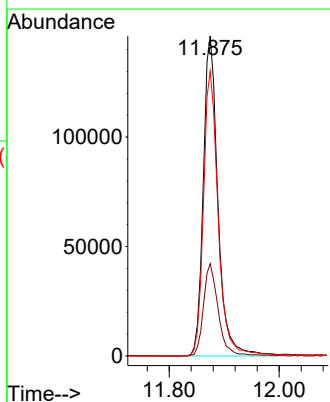
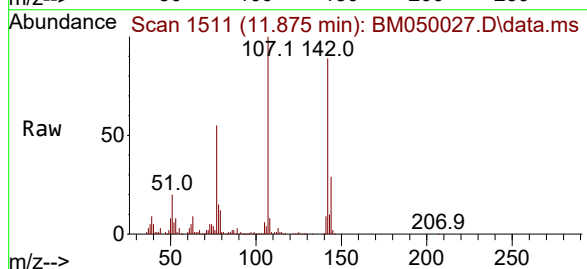
Manual Integrations
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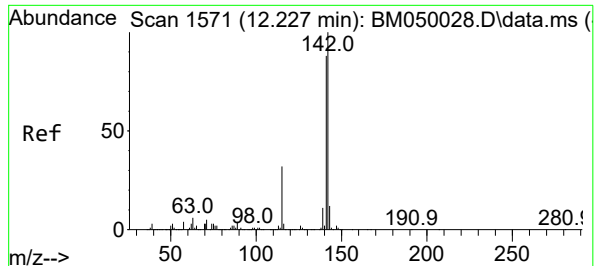
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#36
4-Chloro-3-methylphenol
Concen: 19.613 ng
RT: 11.875 min Scan# 1511
Delta R.T. 0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

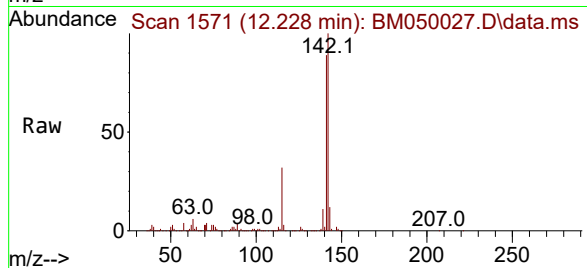
Tgt Ion:107 Resp: 270510
Ion Ratio Lower Upper
107 100
144 28.8 23.8 35.6
142 89.0 71.9 107.9





#37
2-Methylnaphthalene
Concen: 19.498 ng
RT: 12.228 min Scan# 1571
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

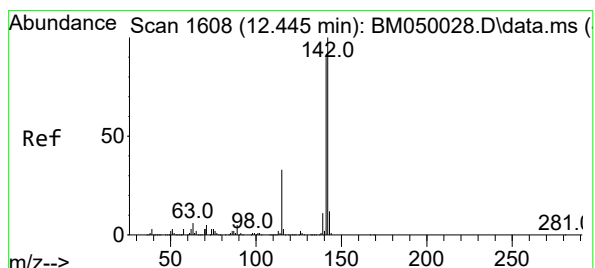
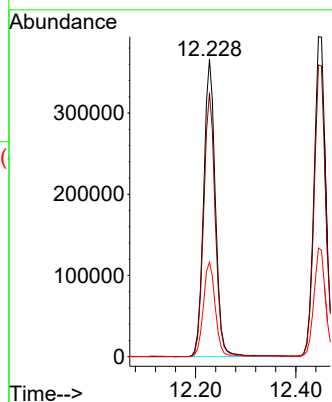
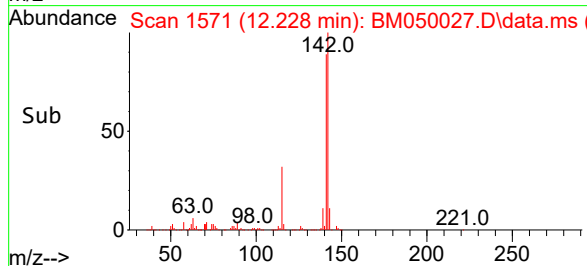
Instrument :
BNA_M
ClientSampleId :
SSTDICC020



Tgt Ion:142 Resp: 59340
Ion Ratio Lower Upper
142 100
141 88.7 70.4 105.6
115 31.8 25.4 38.2

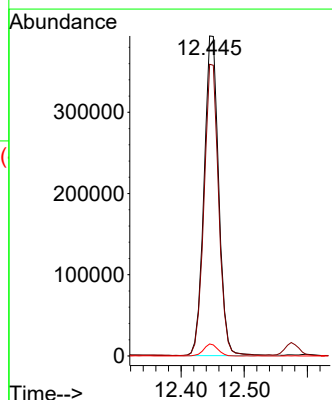
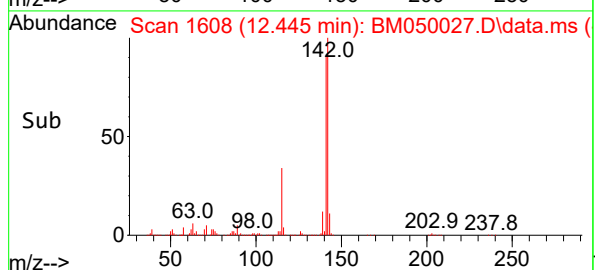
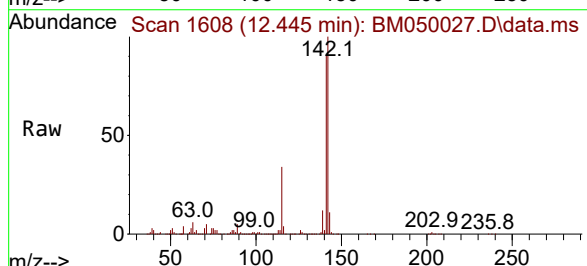
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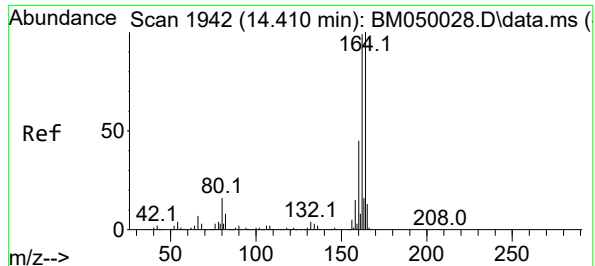
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#38
1-Methylnaphthalene
Concen: 19.694 ng
RT: 12.445 min Scan# 1608
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:142 Resp: 634293
Ion Ratio Lower Upper
142 100
141 91.1 72.1 108.1
116 3.8 2.7 4.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.410 min Scan# 1942

Delta R.T. -0.000 min

Lab File: BM050027.D

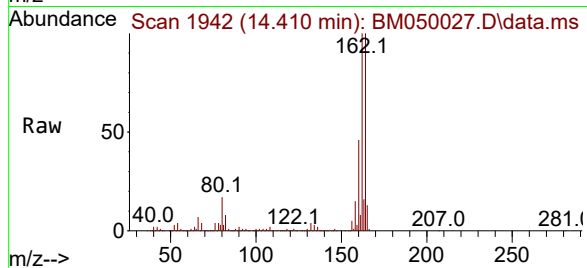
Acq: 28 Apr 2025 14:27

Instrument :

BNA_M

ClientSampleId :

SSTDICC020



Tgt Ion:164 Resp: 61468

Ion Ratio Lower Upper

164 100

162 100.4 79.4 119.0

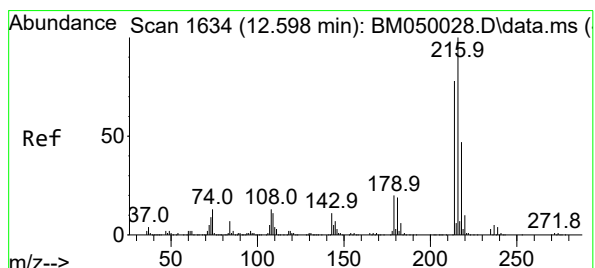
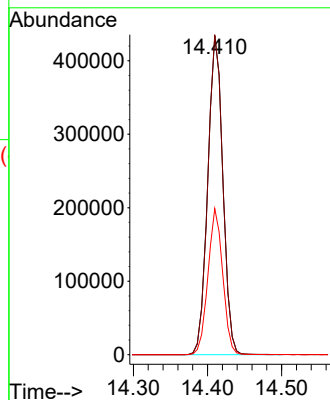
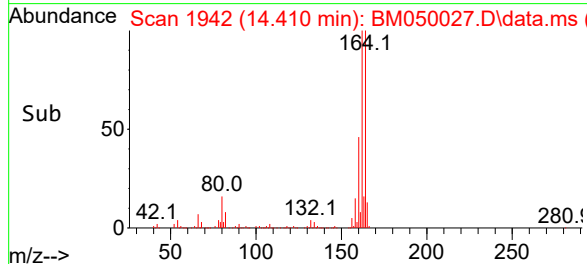
160 45.8 36.2 54.4

Manual Integrations

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Reviewed By :Rahul Chavli 04/29/2025

Supervised By :Jagrut Upadhyay 04/29/2025



#40

1,2,4,5-Tetrachlorobenzene

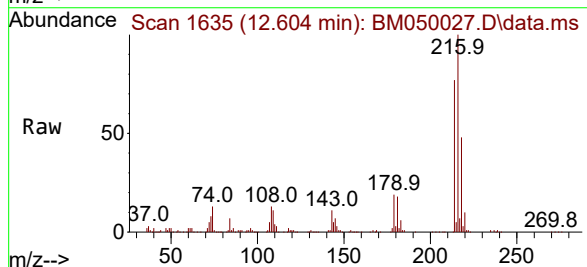
Concen: 18.909 ng

RT: 12.604 min Scan# 1635

Delta R.T. 0.006 min

Lab File: BM050027.D

Acq: 28 Apr 2025 14:27



Tgt Ion:216 Resp: 402355

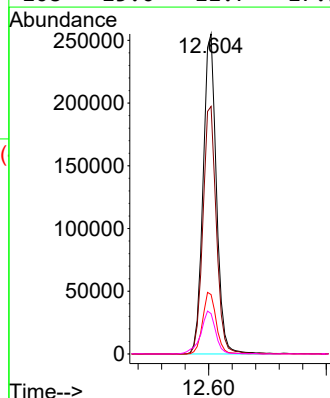
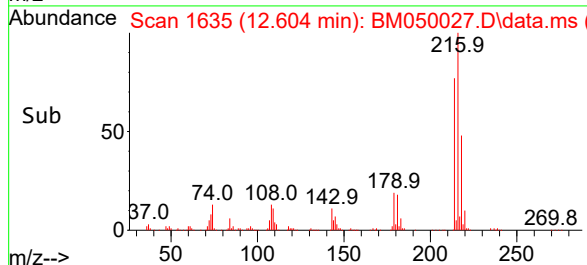
Ion Ratio Lower Upper

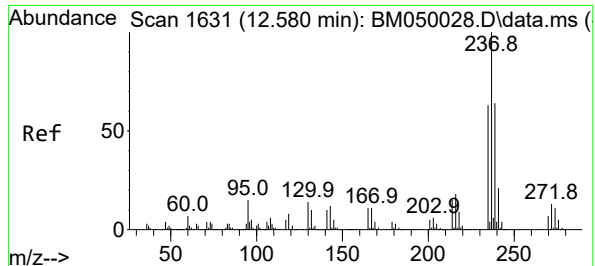
216 100

214 78.2 62.3 93.5

179 19.6 15.4 23.0

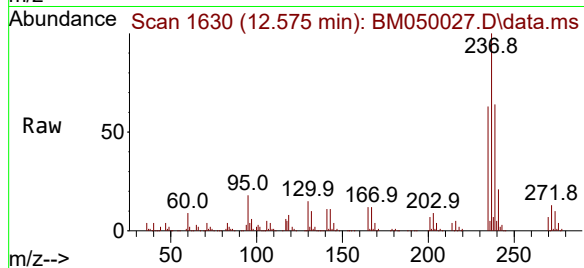
108 15.0 11.7 17.5





#41
Hexachlorocyclopentadiene
Concen: 17.091 ng
RT: 12.575 min Scan# 1630
Delta R.T. -0.005 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

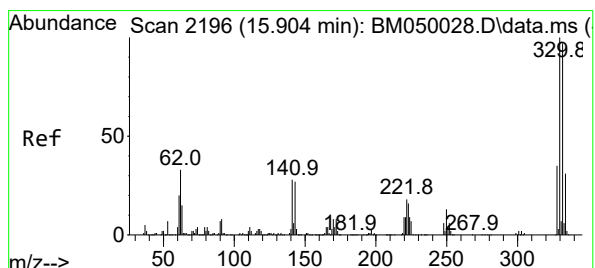
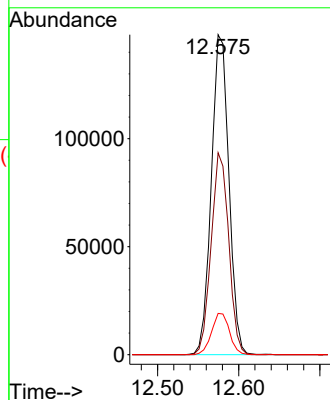
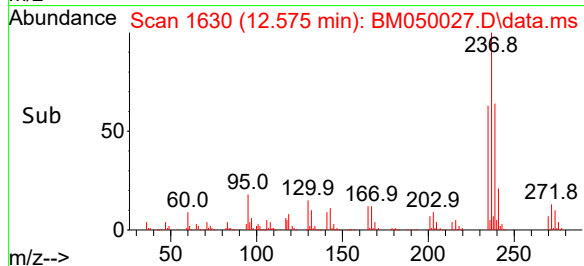
Instrument :
BNA_M
ClientSampleId :
SSTDICC020



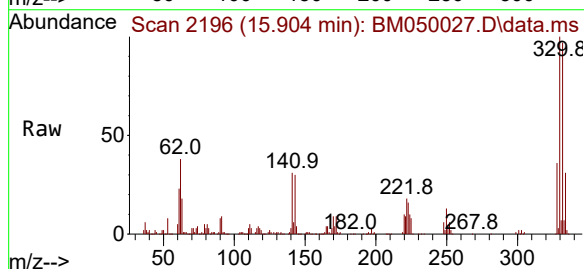
Tgt Ion:237 Resp: 222254
Ion Ratio Lower Upper
237 100
235 63.1 42.9 82.9
272 12.9 0.0 32.9

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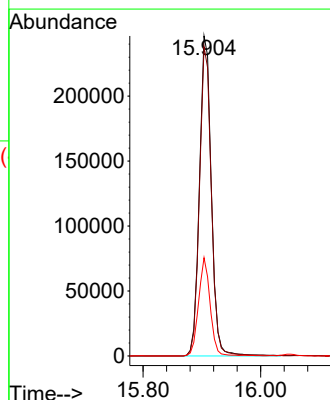
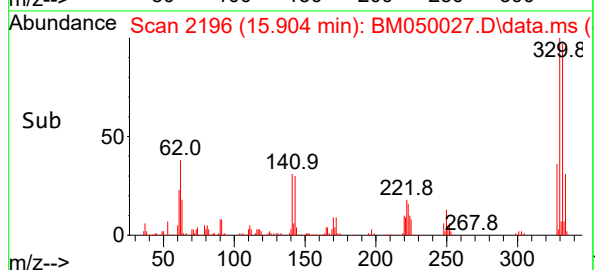
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

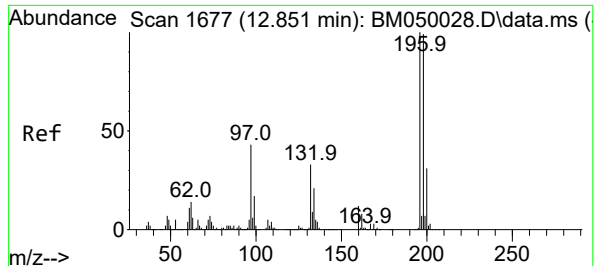


#42
2,4,6-Tribromophenol
Concen: 37.960 ng
RT: 15.904 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27



Tgt Ion:330 Resp: 345020
Ion Ratio Lower Upper
330 100
332 96.5 77.3 115.9
141 30.1 22.5 33.7





#43

2,4,6-Trichlorophenol

Concen: 19.276 ng

RT: 12.851 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM050027.D

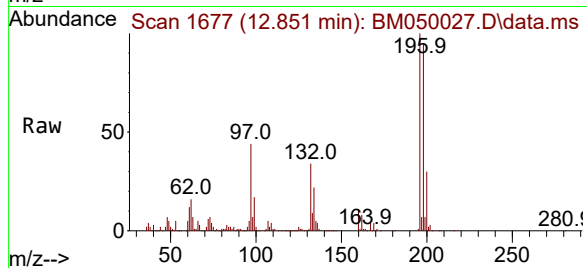
Acq: 28 Apr 2025 14:27

Instrument :

BNA_M

ClientSampleId :

SSTDICC020



Tgt Ion:196 Resp: 26016

Ion Ratio Lower Upper

196 100

198 94.8 79.0 118.6

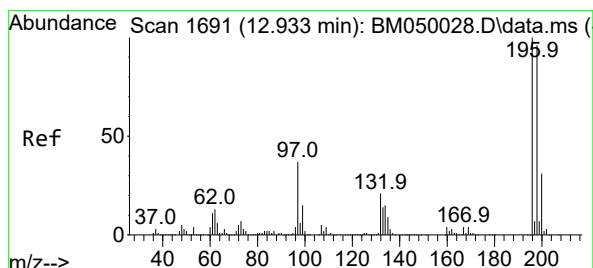
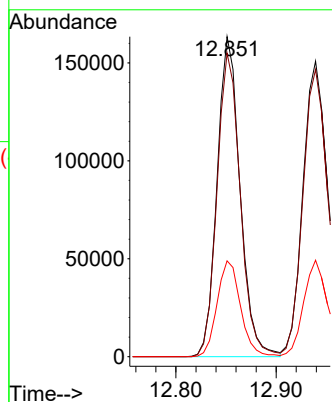
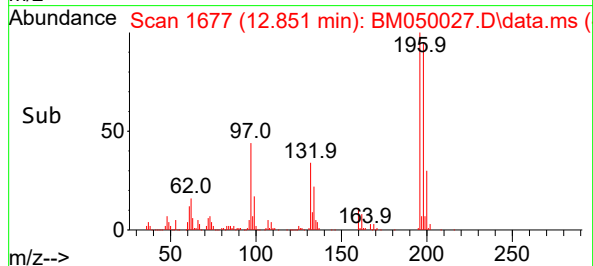
200 30.0 25.1 37.7

Manual Integrations

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Reviewed By :Rahul Chavli 04/29/2025

Supervised By :Jagrut Upadhyay 04/29/2025



#44

2,4,5-Trichlorophenol

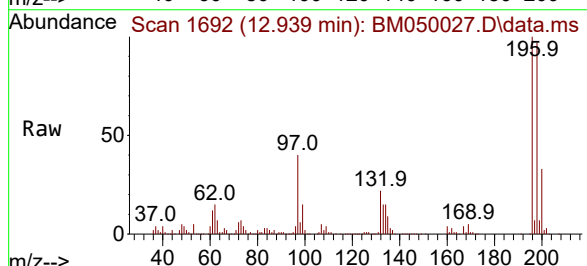
Concen: 19.123 ng

RT: 12.939 min Scan# 1692

Delta R.T. 0.006 min

Lab File: BM050027.D

Acq: 28 Apr 2025 14:27



Tgt Ion:196 Resp: 278307

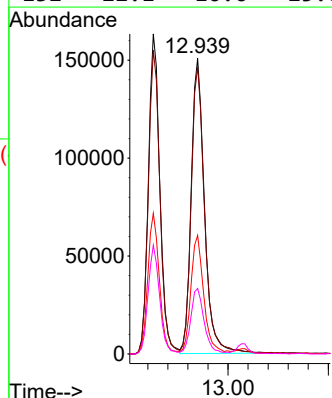
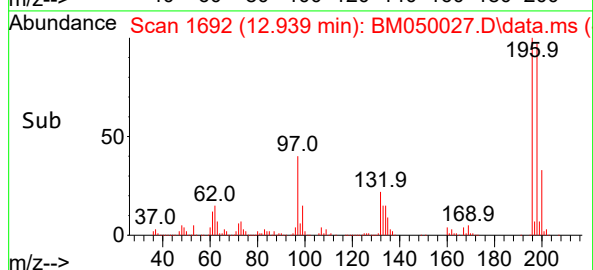
Ion Ratio Lower Upper

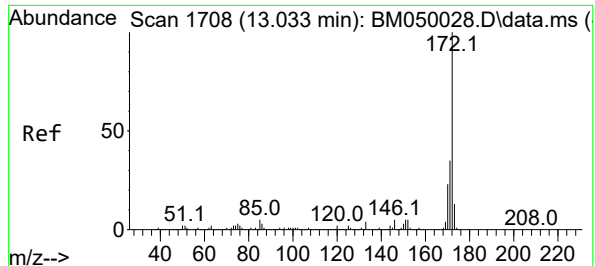
196 100

198 97.2 76.7 115.1

97 40.1 30.1 45.1

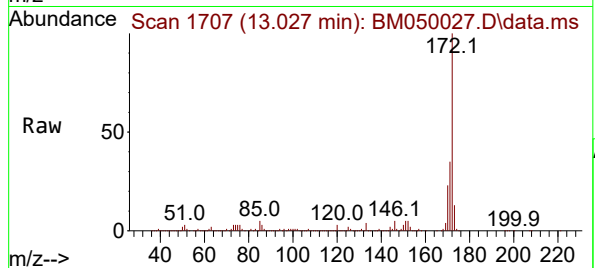
132 22.1 16.6 25.0





#45
2-Fluorobiphenyl
Concen: 38.602 ng
RT: 13.027 min Scan# 1707
Delta R.T. -0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

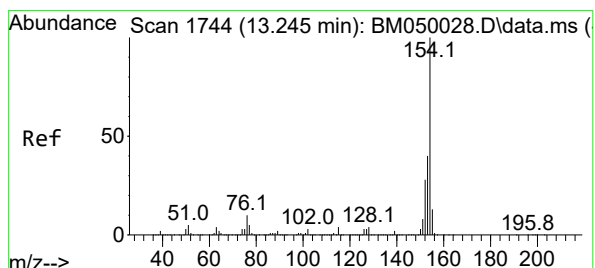
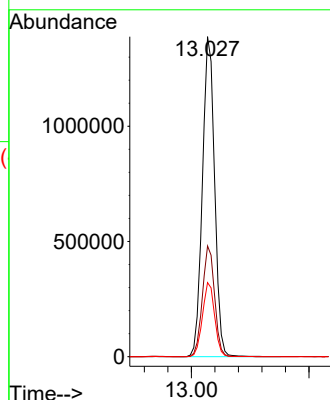
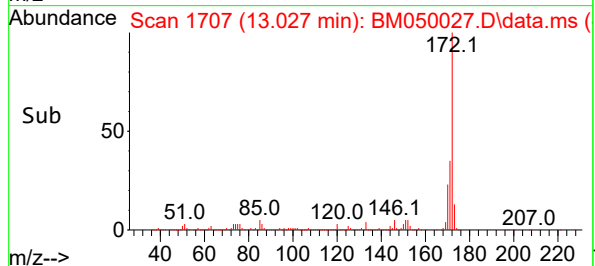
Instrument :
BNA_M
ClientSampleId :
SSTDICC020



Tgt Ion:172 Resp: 200578
Ion Ratio Lower Upper
172 100
171 34.6 27.8 41.6
170 23.2 18.6 28.0

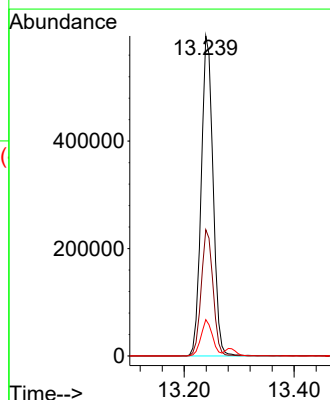
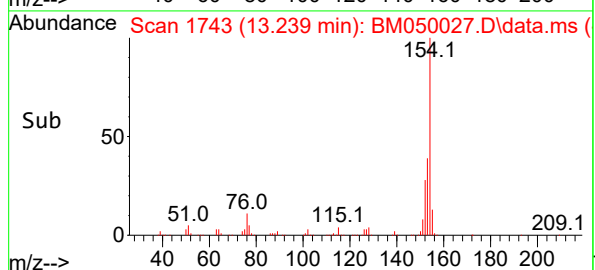
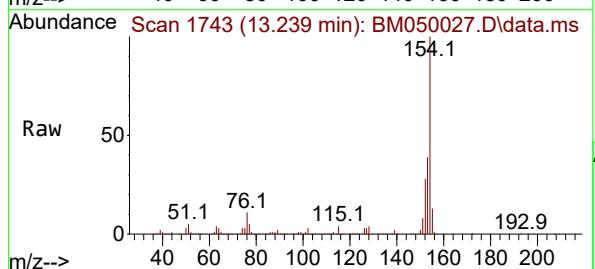
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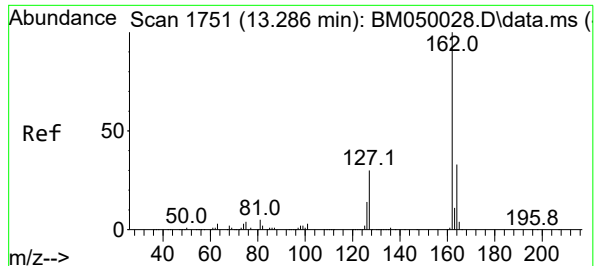
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#46
1,1'-Biphenyl
Concen: 19.530 ng
RT: 13.239 min Scan# 1743
Delta R.T. -0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:154 Resp: 892394
Ion Ratio Lower Upper
154 100
153 39.5 20.0 60.0
76 11.3 0.0 30.3





#47

2-Chloronaphthalene

Concen: 19.614 ng

RT: 13.286 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM050027.D

Acq: 28 Apr 2025 14:27

Instrument :

BNA_M

ClientSampleId :

SSTDICC020

Tgt Ion:162 Resp: 70981

Ion Ratio Lower Upper

162 100

127 32.0 25.9 38.9

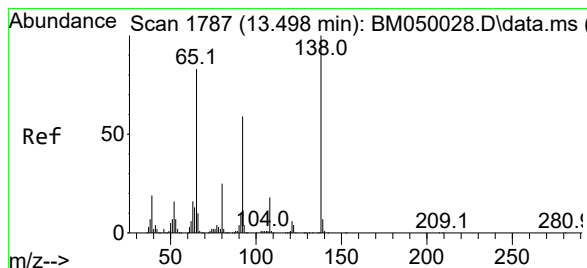
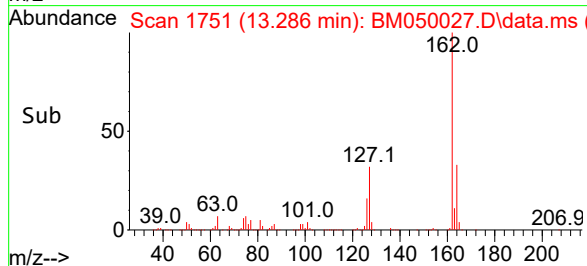
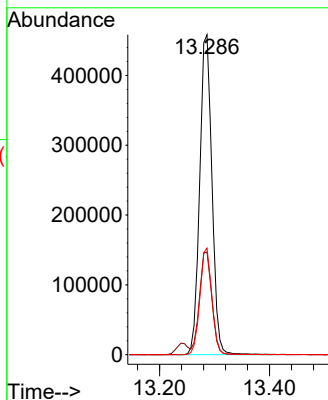
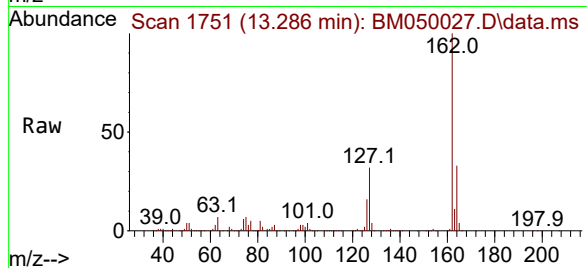
164 33.3 26.6 40.0

Manual Integrations

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Reviewed By :Rahul Chavli 04/29/2025

Supervised By :Jagrut Upadhyay 04/29/2025



#48

2-Nitroaniline

Concen: 19.465 ng

RT: 13.498 min Scan# 1787

Delta R.T. 0.000 min

Lab File: BM050027.D

Acq: 28 Apr 2025 14:27

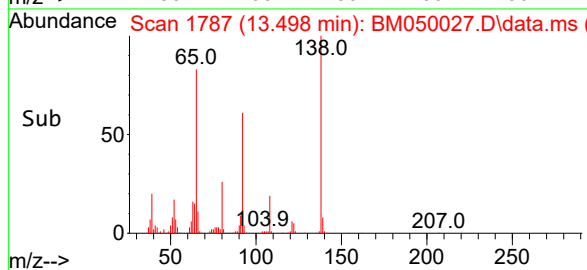
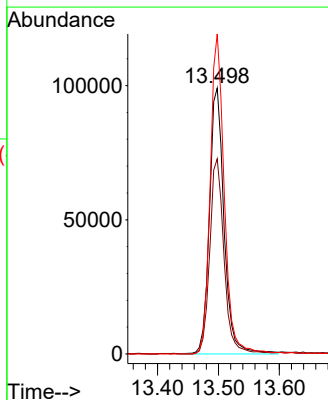
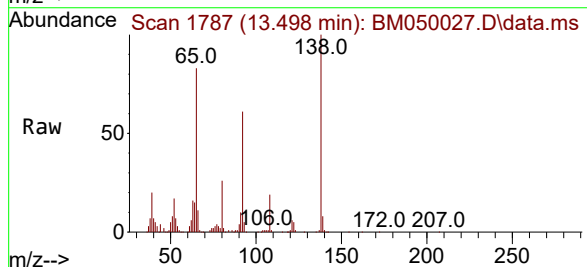
Tgt Ion: 65 Resp: 165324

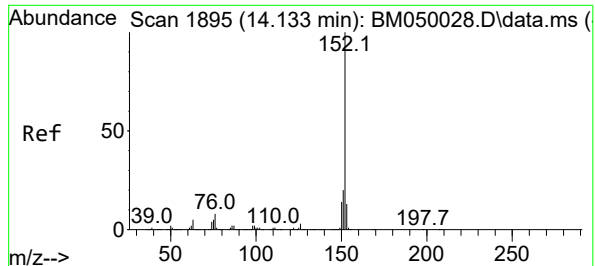
Ion Ratio Lower Upper

65 100

92 73.4 57.1 85.7

138 120.3 97.0 145.4





#49

Acenaphthylene

Concen: 19.502 ng

RT: 14.133 min Scan# 1895

Delta R.T. 0.000 min

Lab File: BM050027.D

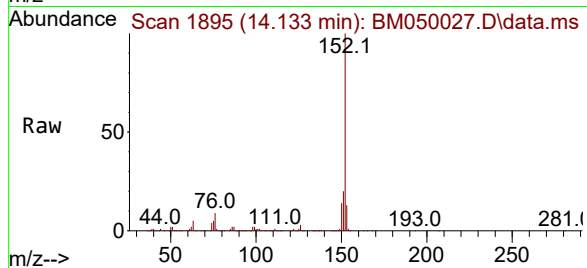
Acq: 28 Apr 2025 14:27

Instrument :

BNA_M

ClientSampleId :

SSTDICC020



Tgt Ion:152 Resp: 1112760

Ion Ratio Lower Upper

152 100

151 20.1 15.8 23.8

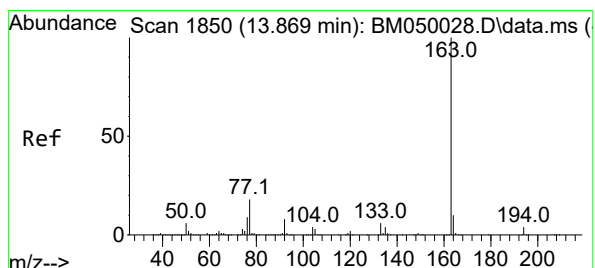
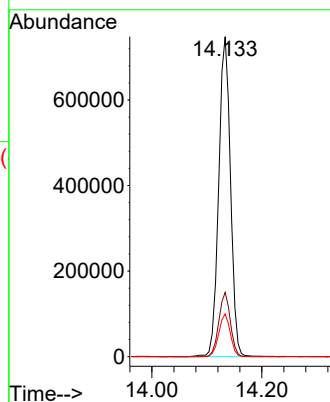
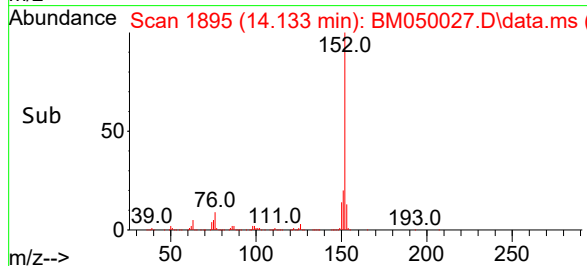
153 13.3 10.6 15.8

Manual Integrations

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Reviewed By :Rahul Chavli 04/29/2025

Supervised By :Jagrut Upadhyay 04/29/2025



#50

Dimethylphthalate

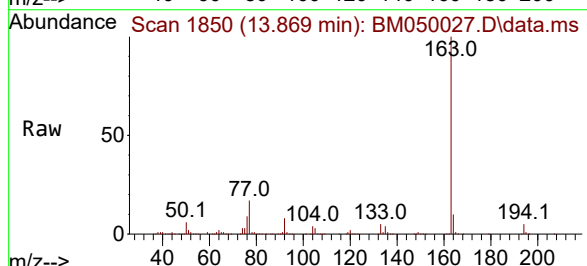
Concen: 19.659 ng

RT: 13.869 min Scan# 1850

Delta R.T. 0.000 min

Lab File: BM050027.D

Acq: 28 Apr 2025 14:27



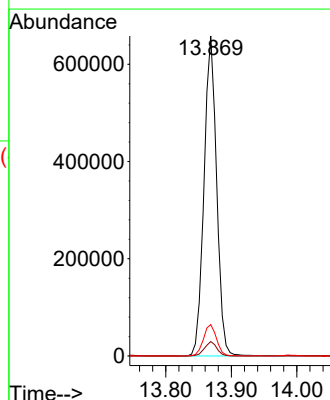
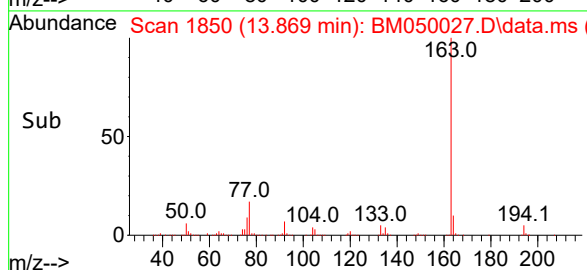
Tgt Ion:163 Resp: 883120

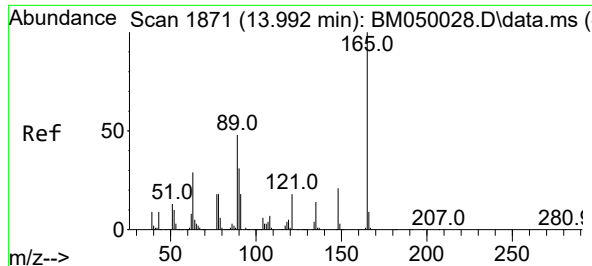
Ion Ratio Lower Upper

163 100

194 4.5 3.4 5.2

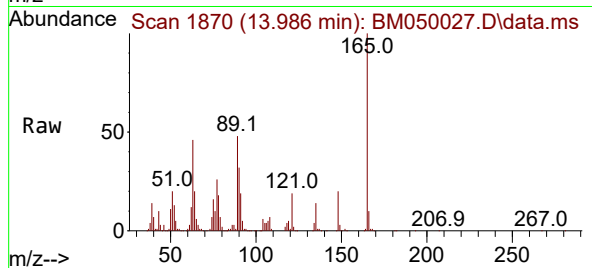
164 9.8 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 19.729 ng
RT: 13.986 min Scan# 1871
Delta R.T. -0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

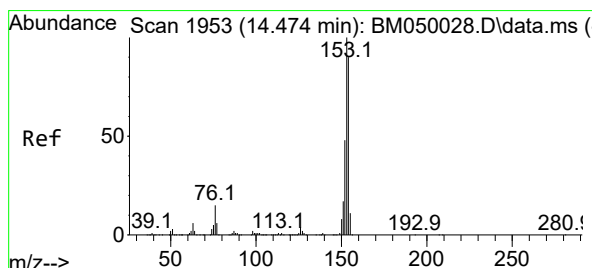
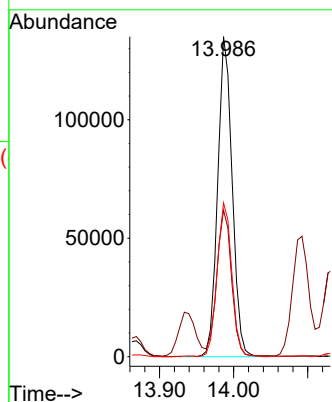
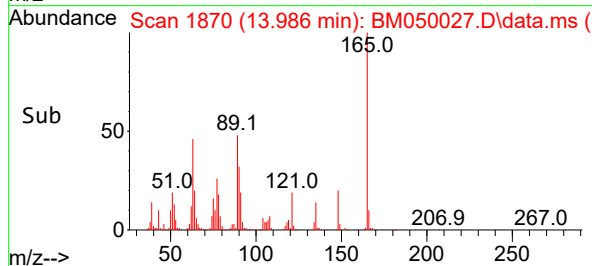
Instrument :
BNA_M
ClientSampleId :
SSTDICC020



Tgt Ion:165 Resp: 18349
Ion Ratio Lower Upper
165 100
63 45.7 35.1 52.7
89 48.1 38.4 57.6

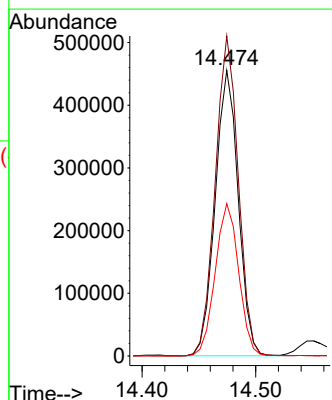
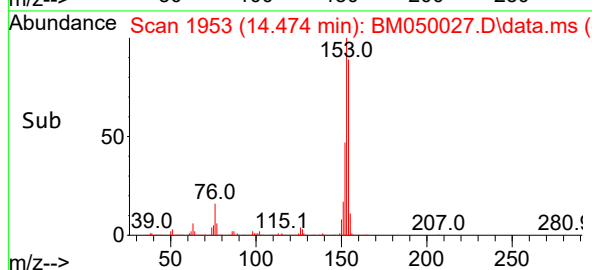
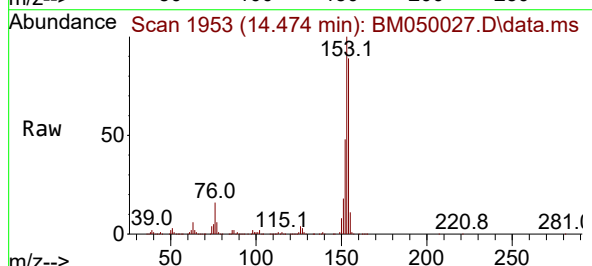
Manual Integrations
APPROVED

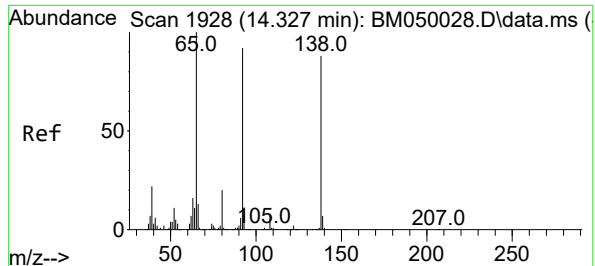
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#52
Acenaphthene
Concen: 19.474 ng
RT: 14.474 min Scan# 1953
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

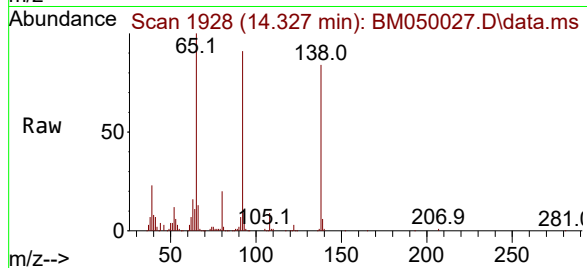
Tgt Ion:154 Resp: 643177
Ion Ratio Lower Upper
154 100
153 112.0 89.0 133.4
152 53.3 43.0 64.6





#53
3-Nitroaniline
Concen: 19.666 ng
RT: 14.327 min Scan# 1928
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

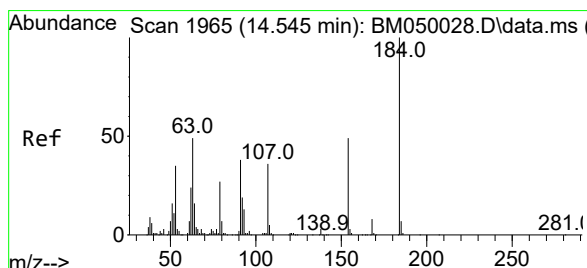
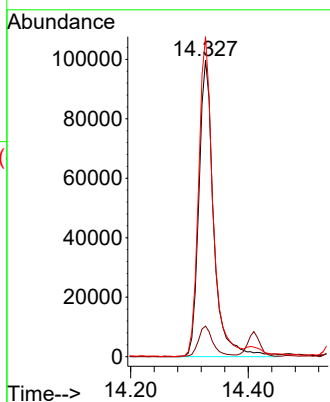
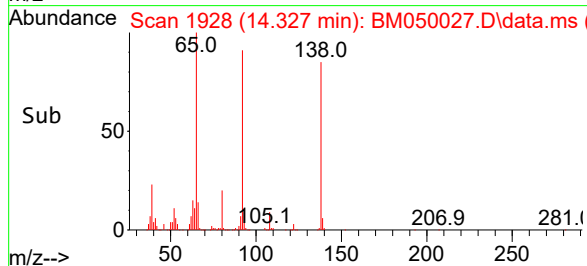
Instrument :
BNA_M
ClientSampleId :
SSTDICC020



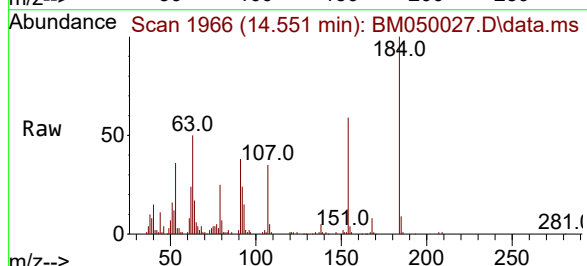
Tgt Ion:138 Resp: 174620
Ion Ratio Lower Upper
138 100
108 10.3 7.4 11.2
92 107.9 84.0 126.0

Manual Integrations
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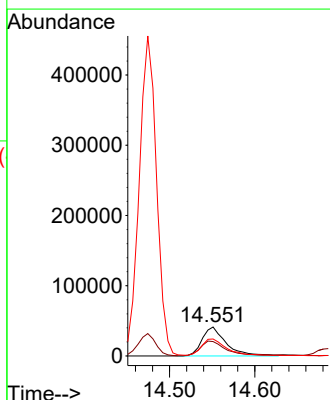
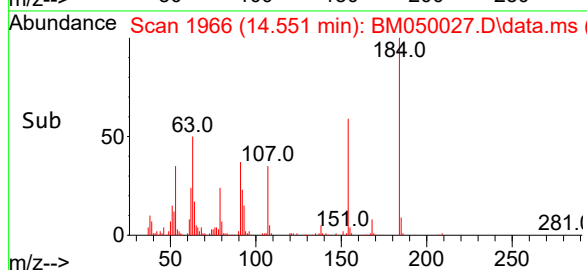
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

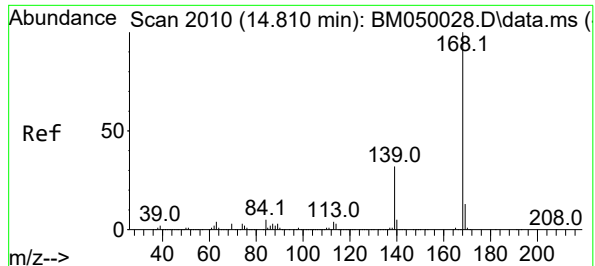


#54
2,4-Dinitrophenol
Concen: 18.373 ng
RT: 14.551 min Scan# 1966
Delta R.T. 0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27



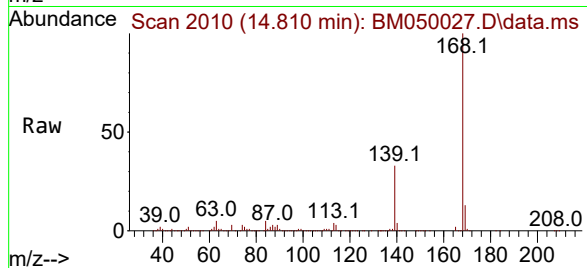
Tgt Ion:184 Resp: 80991
Ion Ratio Lower Upper
184 100
63 50.1 39.8 59.6
154 58.5 46.1 69.1





#55
Dibenzenofuran
Concen: 19.562 ng
RT: 14.810 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

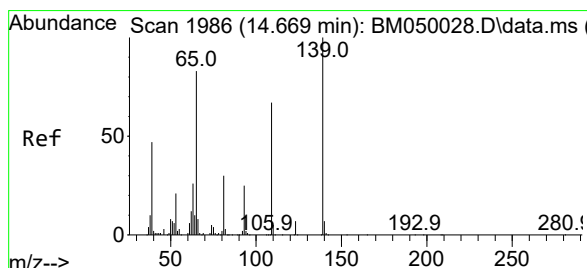
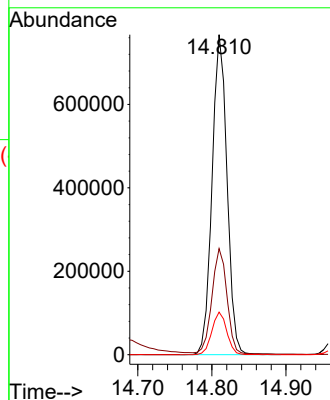
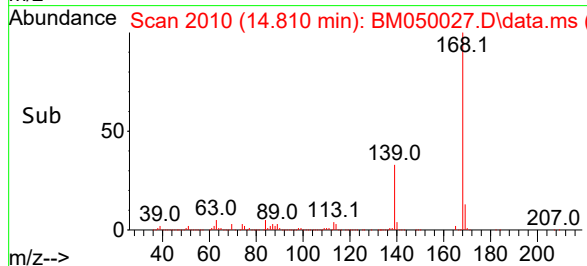
Instrument :
BNA_M
ClientSampleId :
SSTDICC020



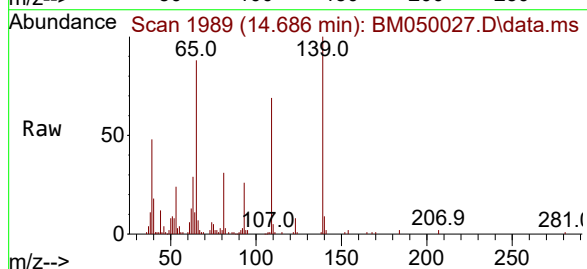
Tgt Ion:168 Resp: 107497
Ion Ratio Lower Upper
168 100
139 33.2 26.1 39.1
169 13.3 10.8 16.2

Manual Integrations
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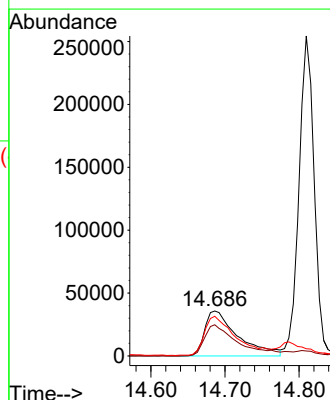
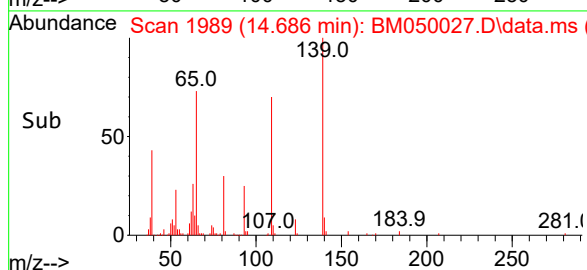
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

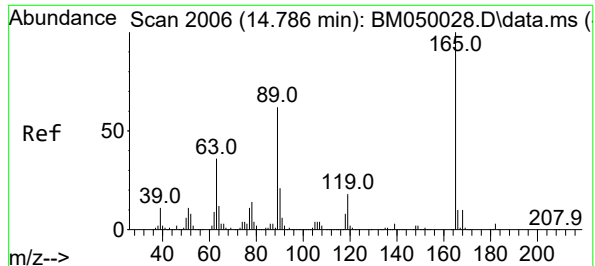


#56
4-Nitrophenol
Concen: 19.021 ng
RT: 14.686 min Scan# 1989
Delta R.T. 0.017 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27



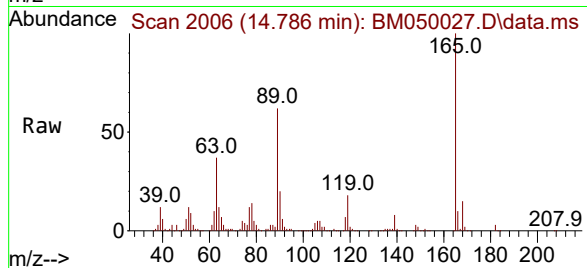
Tgt Ion:139 Resp: 110948
Ion Ratio Lower Upper
139 100
109 69.3 47.0 87.0
65 88.3 64.3 104.3





#57
2,4-Dinitrotoluene
Concen: 19.685 ng
RT: 14.786 min Scan# 2006
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

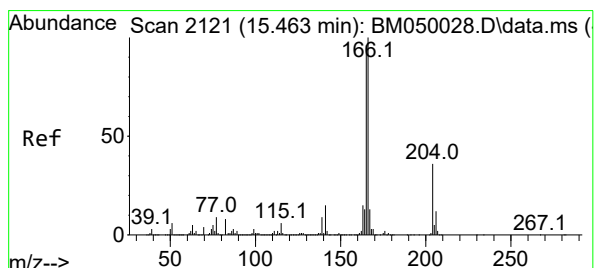
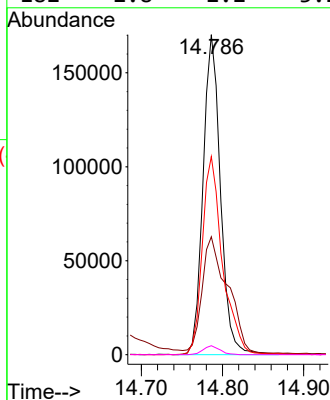
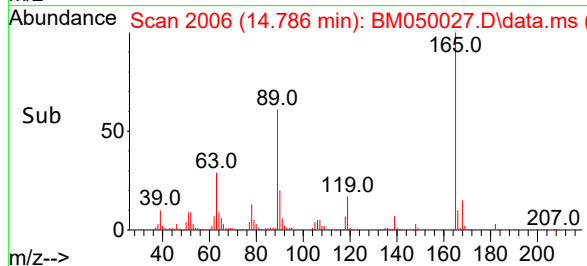
Instrument :
BNA_M
ClientSampleId :
SSTDICC020



Tgt Ion:165 Resp: 252994
Ion Ratio Lower Upper
165 100
63 36.9 29.0 43.6
89 61.9 49.4 74.2
182 2.8 2.2 3.2

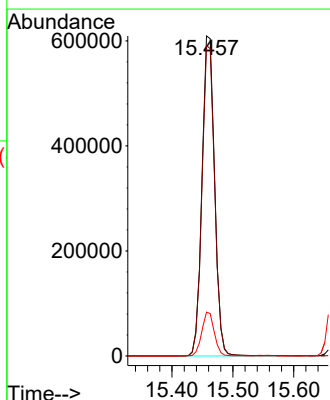
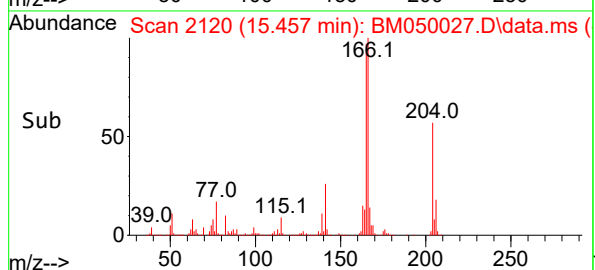
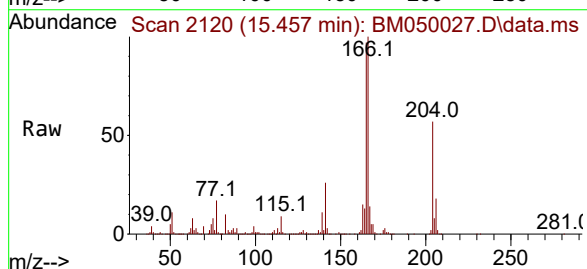
Manual Integrations
APPROVED

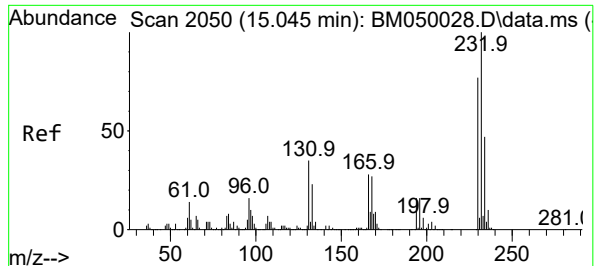
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#58
Fluorene
Concen: 19.553 ng
RT: 15.457 min Scan# 2120
Delta R.T. -0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

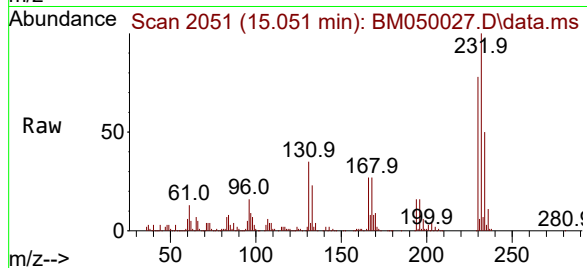
Tgt Ion:166 Resp: 879470
Ion Ratio Lower Upper
166 100
165 97.0 76.6 115.0
167 13.7 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 19.442 ng
RT: 15.051 min Scan# 2051
Delta R.T. 0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

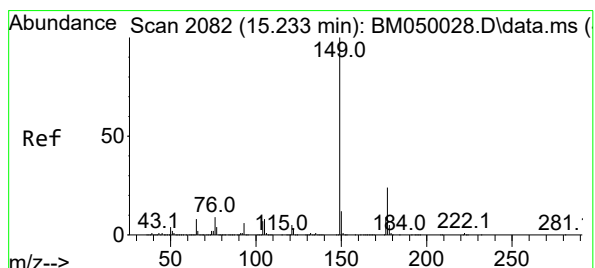
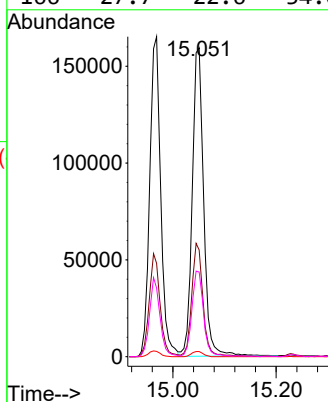
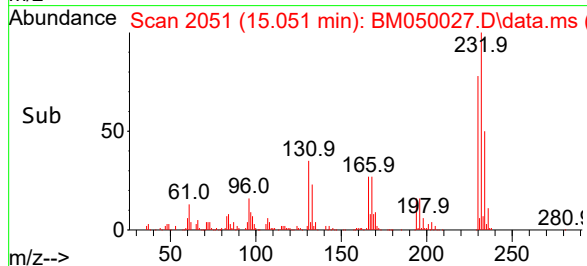
Instrument :
BNA_M
ClientSampleId :
SSTDICC020



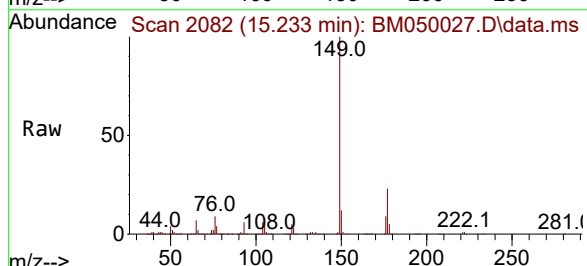
Tgt Ion:232 Resp: 244928
Ion Ratio Lower Upper
232 100
131 35.9 28.2 42.4
130 1.7 1.5 2.3
166 27.7 22.6 34.0

Manual Integrations
APPROVED

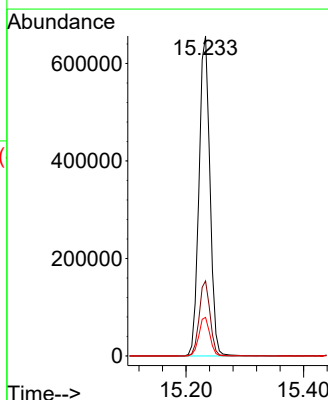
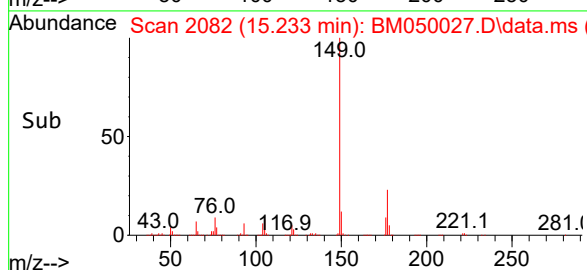
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

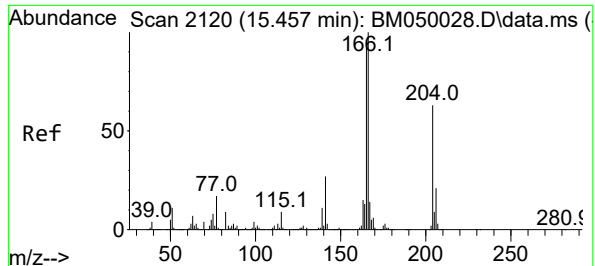


#60
Diethylphthalate
Concen: 20.034 ng
RT: 15.233 min Scan# 2082
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27



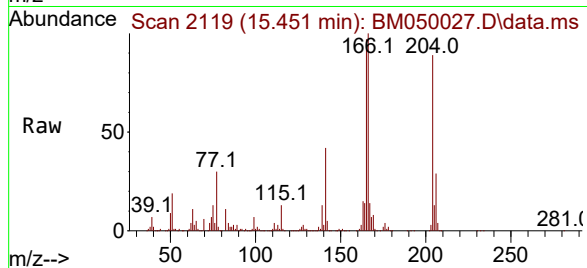
Tgt Ion:149 Resp: 848021
Ion Ratio Lower Upper
149 100
177 23.5 19.1 28.7
150 12.1 9.6 14.4





#61
4-Chlorophenyl-phenylether
Concen: 19.157 ng
RT: 15.451 min Scan# 2119
Delta R.T. -0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

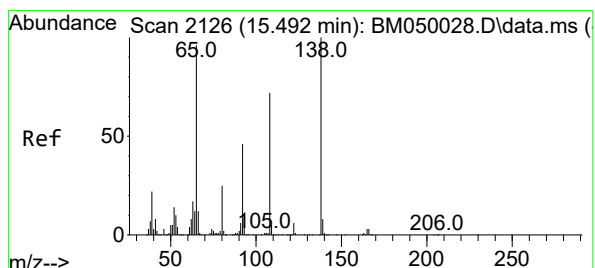
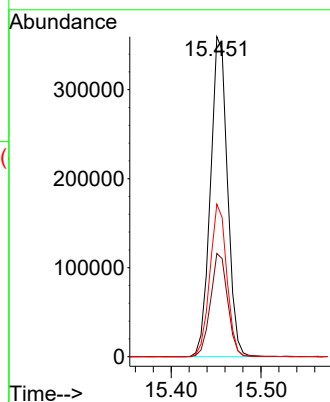
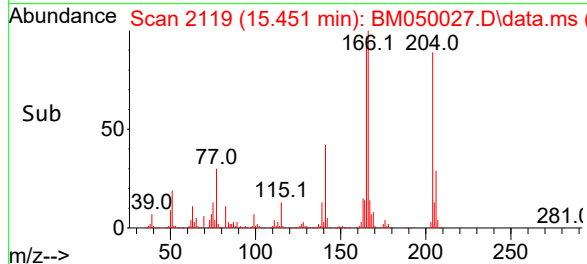
Instrument :
BNA_M
ClientSampleId :
SSTDICC020



Tgt Ion:204 Resp: 473270
Ion Ratio Lower Upper
204 100
206 32.3 26.3 39.5
141 47.7 34.0 51.0

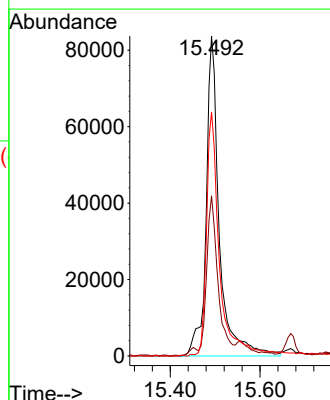
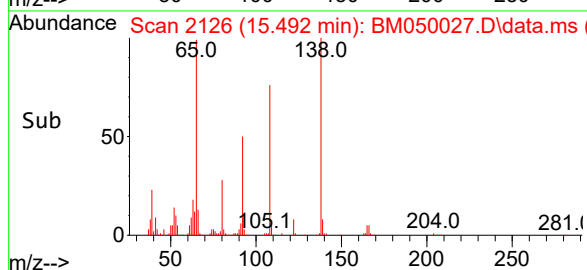
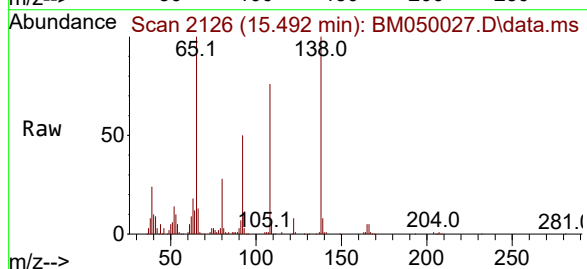
Manual Integrations
APPROVED

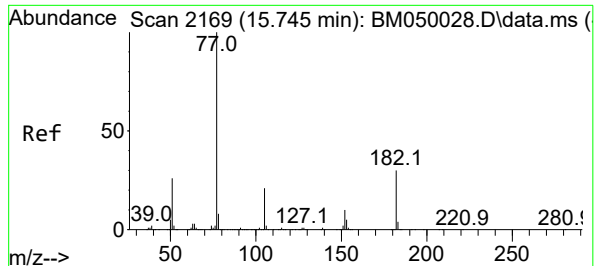
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#62
4-Nitroaniline
Concen: 19.880 ng
RT: 15.492 min Scan# 2126
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

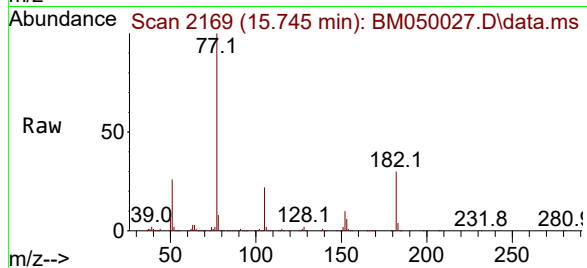
Tgt Ion:138 Resp: 170438
Ion Ratio Lower Upper
138 100
92 50.0 25.9 65.9
108 76.3 52.4 92.4





#63
Azobenzene
Concen: 19.930 ng
RT: 15.745 min Scan# 2169
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

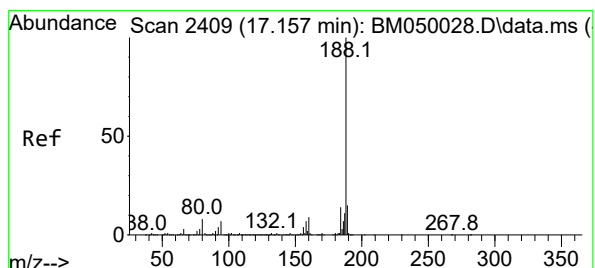
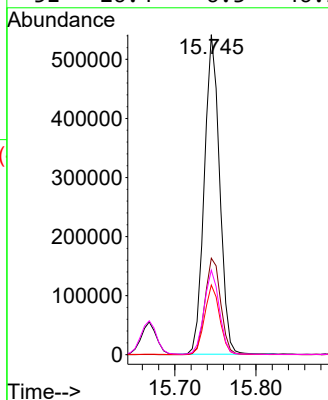
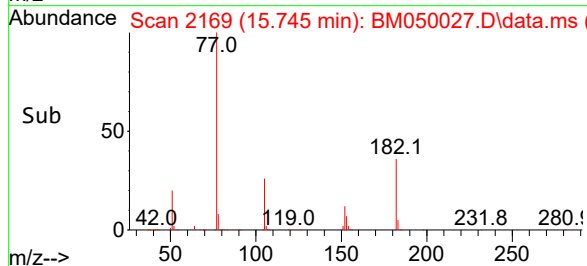
Instrument :
BNA_M
ClientSampleId :
SSTDICC020



Tgt Ion: 77 Resp: 707020
Ion Ratio Lower Upper
77 100
182 30.2 10.5 50.5
105 21.8 1.1 41.1
51 26.4 6.3 46.3

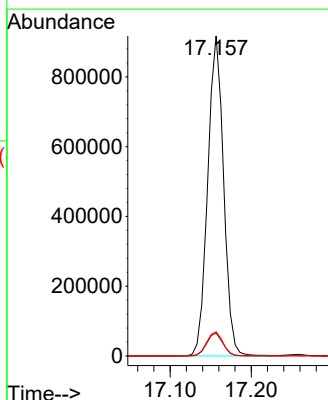
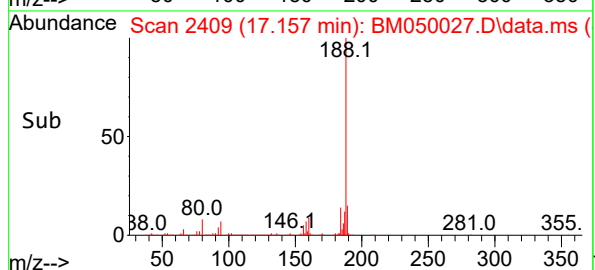
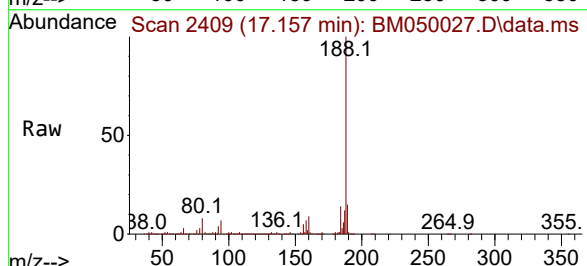
Manual Integrations
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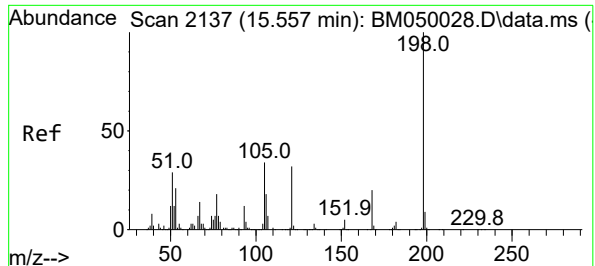
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2409
Delta R.T. -0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:188 Resp: 1244440
Ion Ratio Lower Upper
188 100
94 7.1 5.7 8.5
80 7.6 6.2 9.4





#65

4,6-Dinitro-2-methylphenol

Concen: 17.576 ng

RT: 15.557 min Scan# 2137

Delta R.T. -0.000 min

Lab File: BM050027.D

Acq: 28 Apr 2025 14:27

Instrument :

BNA_M

ClientSampleId :

SSTDICC020

Tgt Ion:198 Resp: 136910

Ion Ratio Lower Upper

198 100

51 34.7 10.4 50.4

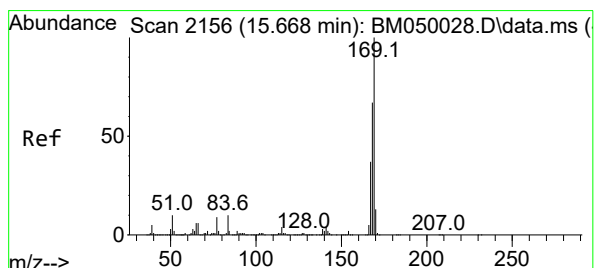
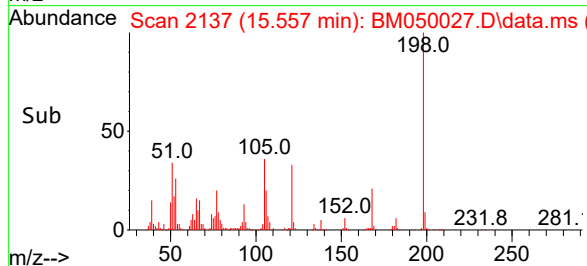
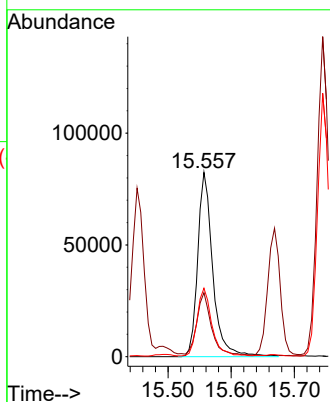
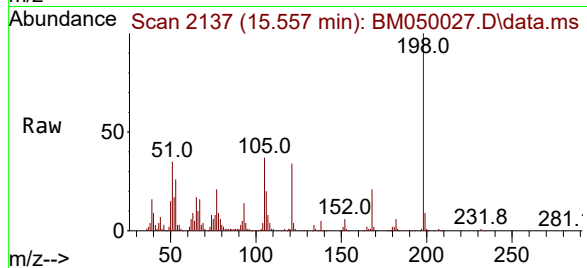
105 37.2 14.6 54.6

Manual Integrations

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Reviewed By :Rahul Chavli 04/29/2025

Supervised By :Jagrut Upadhyay 04/29/2025



#66

n-Nitrosodiphenylamine

Concen: 19.415 ng

RT: 15.669 min Scan# 2156

Delta R.T. 0.000 min

Lab File: BM050027.D

Acq: 28 Apr 2025 14:27

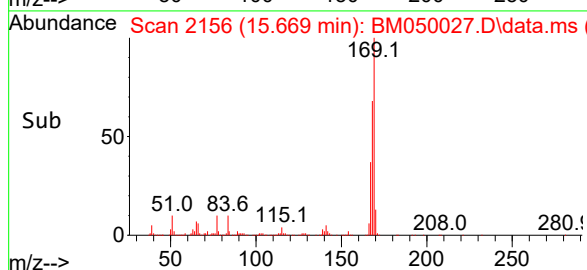
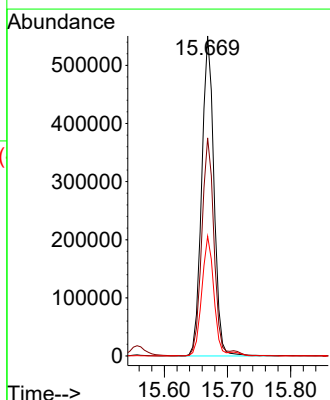
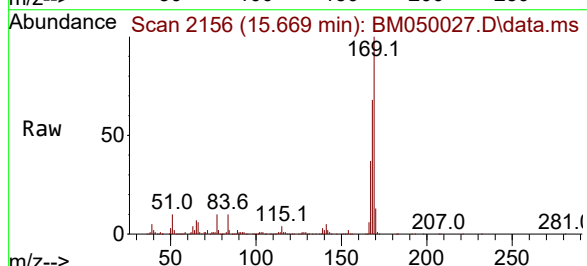
Tgt Ion:169 Resp: 741920

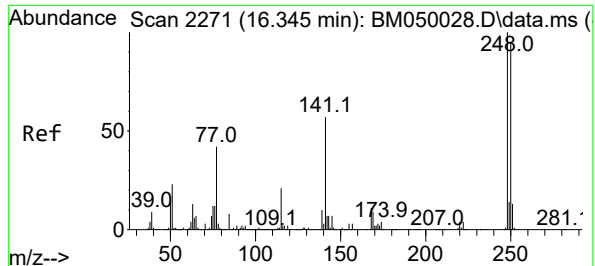
Ion Ratio Lower Upper

169 100

168 68.2 53.4 80.2

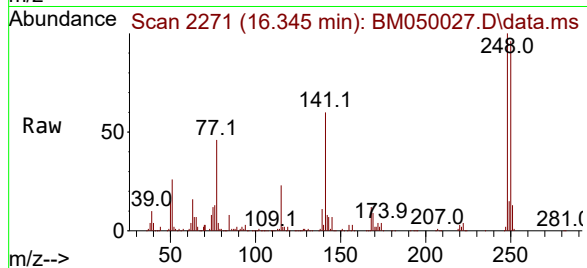
167 37.4 29.4 44.0





#67
4-Bromophenyl-phenylether
Concen: 18.962 ng
RT: 16.345 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

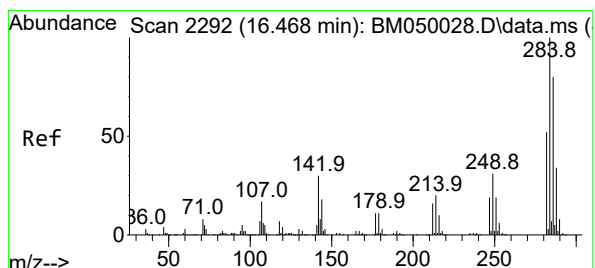
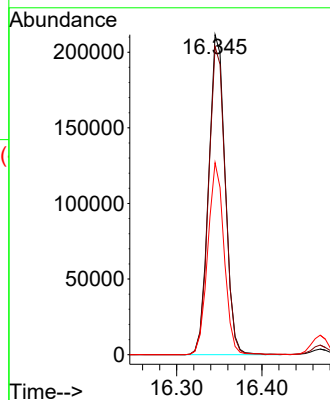
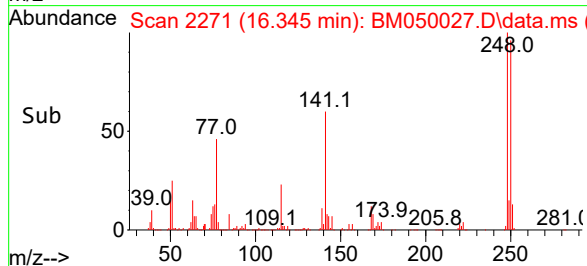
Instrument :
BNA_M
ClientSampleId :
SSTDICC020



Tgt Ion:248 Resp: 285352
Ion Ratio Lower Upper
248 100
250 96.3 76.2 114.2
141 60.0 45.9 68.9

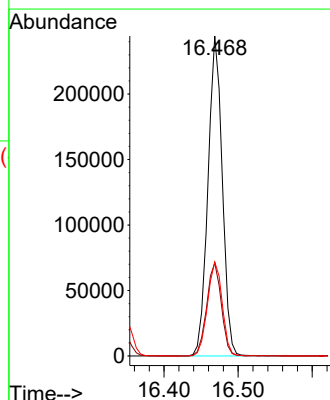
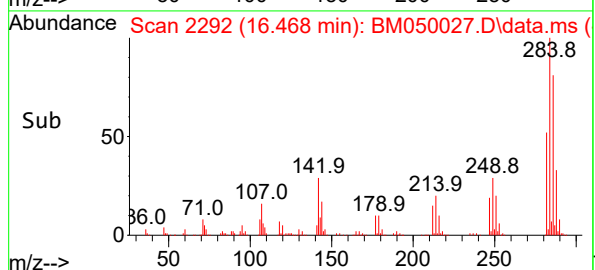
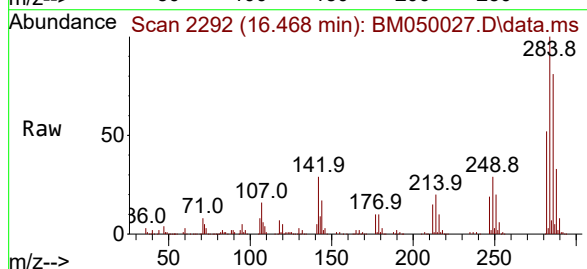
Manual Integrations
APPROVED

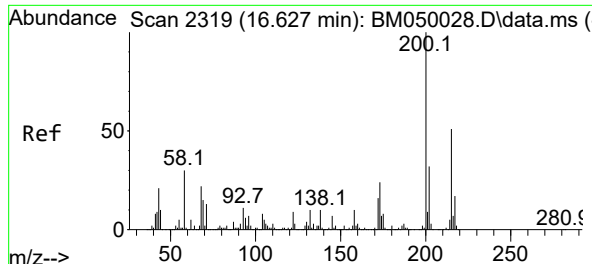
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#68
Hexachlorobenzene
Concen: 18.903 ng
RT: 16.468 min Scan# 2292
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:284 Resp: 327912
Ion Ratio Lower Upper
284 100
142 29.1 23.9 35.9
249 29.3 24.5 36.7





#69

Atrazine

Concen: 19.303 ng

RT: 16.621 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM050027.D

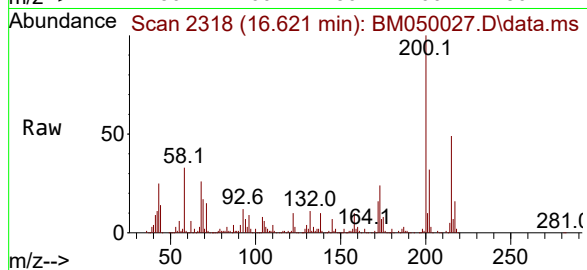
Acq: 28 Apr 2025 14:27

Instrument :

BNA_M

ClientSampleId :

SSTDICC020



Tgt Ion:200 Resp: 266068

Ion Ratio Lower Upper

200 100

173 24.3 4.3 44.3

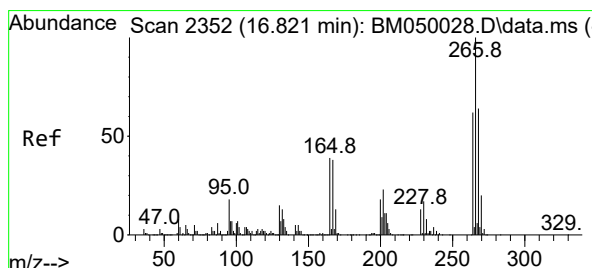
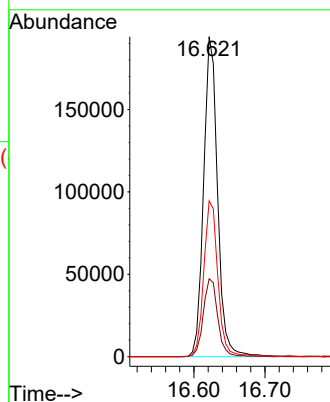
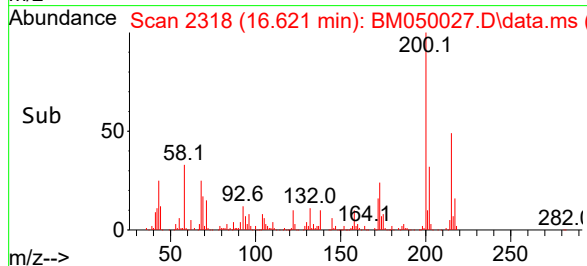
215 48.7 30.6 70.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/29/2025

Supervised By :Jagrut Upadhyay 04/29/2025



#70

Pentachlorophenol

Concen: 18.004 ng

RT: 16.821 min Scan# 2352

Delta R.T. 0.000 min

Lab File: BM050027.D

Acq: 28 Apr 2025 14:27

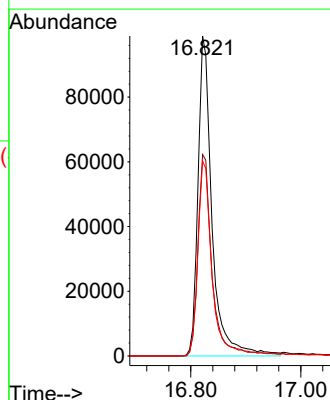
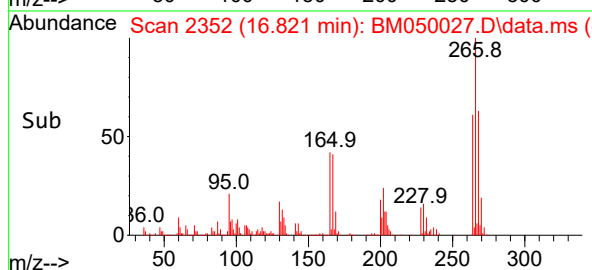
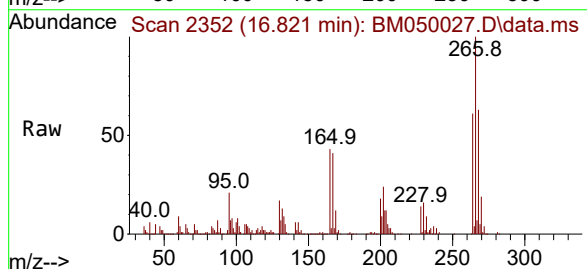
Tgt Ion:266 Resp: 175794

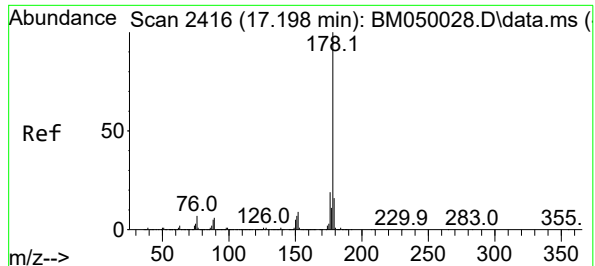
Ion Ratio Lower Upper

266 100

268 63.0 51.2 76.8

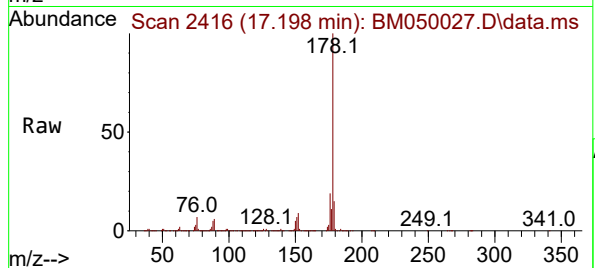
264 60.9 49.6 74.4





#71
Phenanthrene
Concen: 19.208 ng
RT: 17.198 min Scan# 2416
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

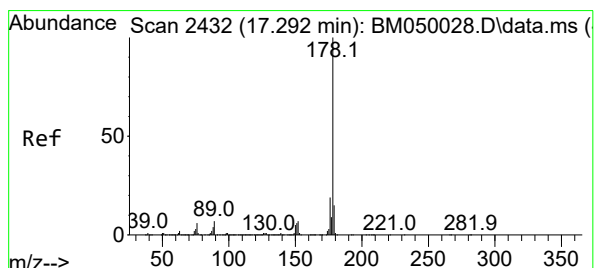
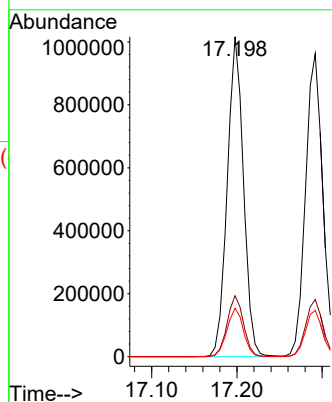
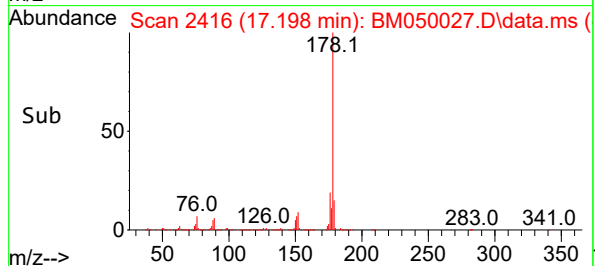
Instrument :
BNA_M
ClientSampleId :
SSTDICC020



Tgt Ion:178 Resp: 1348190
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.1 12.4 18.6

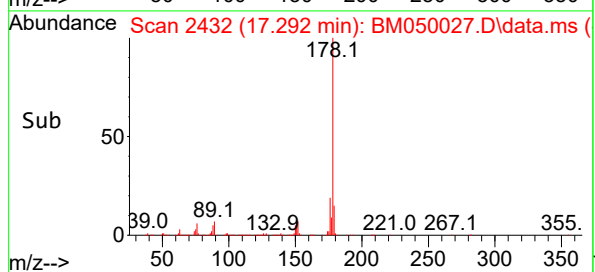
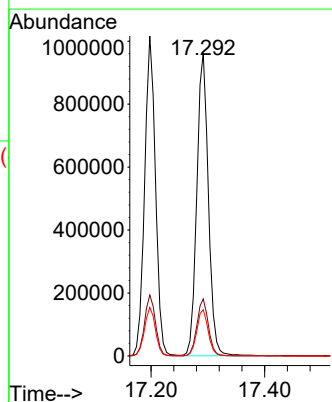
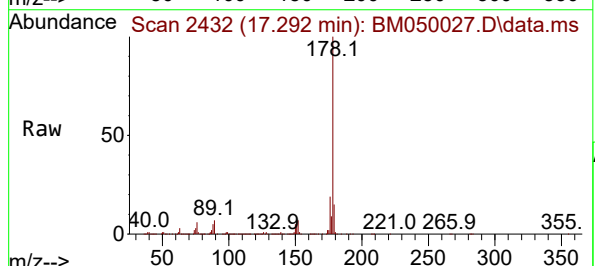
Manual Integrations
APPROVED

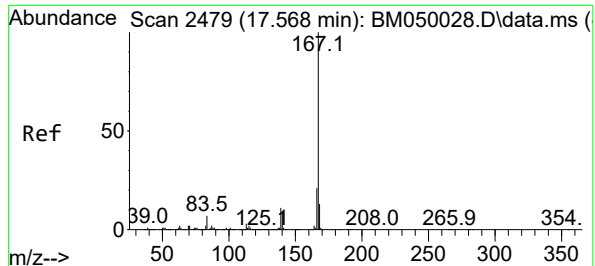
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#72
Anthracene
Concen: 19.210 ng
RT: 17.292 min Scan# 2432
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

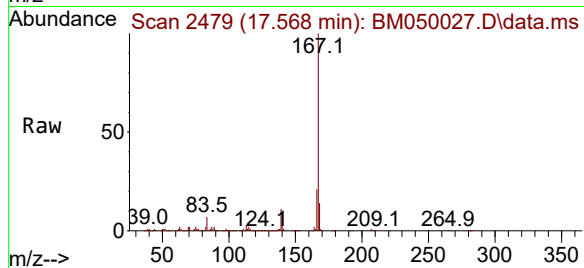
Tgt Ion:178 Resp: 1364462
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.4
179 15.3 12.2 18.4





#73
Carbazole
Concen: 19.377 ng
RT: 17.568 min Scan# 2479
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

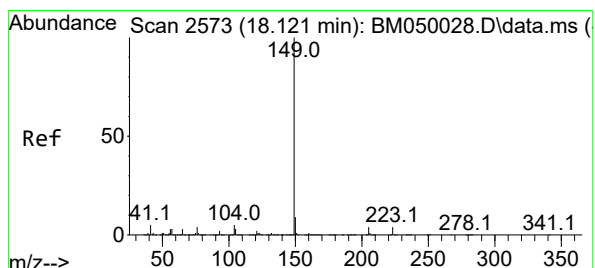
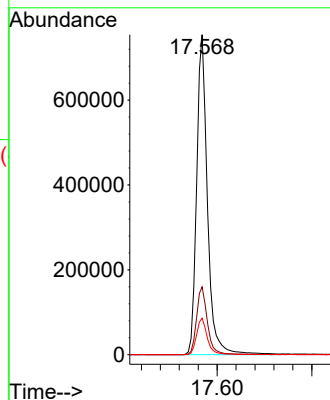
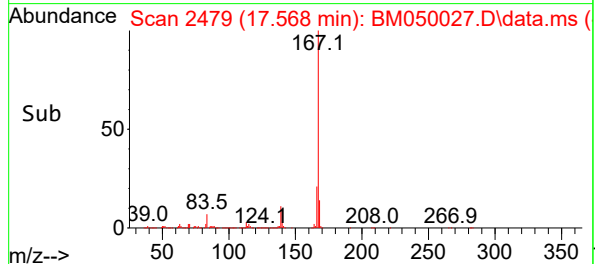
Instrument :
BNA_M
ClientSampleId :
SSTDICC020



Tgt Ion:167 Resp: 1194310
Ion Ratio Lower Upper
167 100
166 21.2 17.2 25.8
139 11.4 9.0 13.6

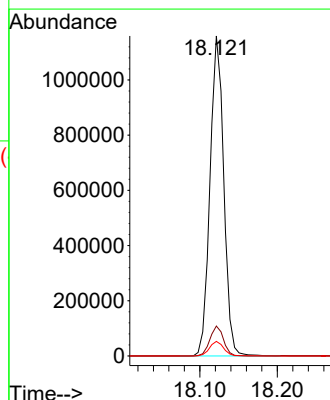
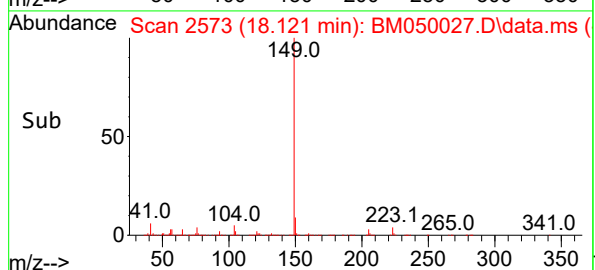
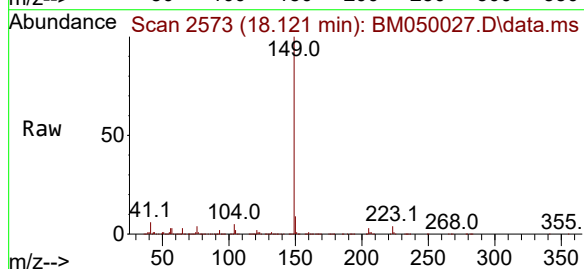
Manual Integrations
APPROVED

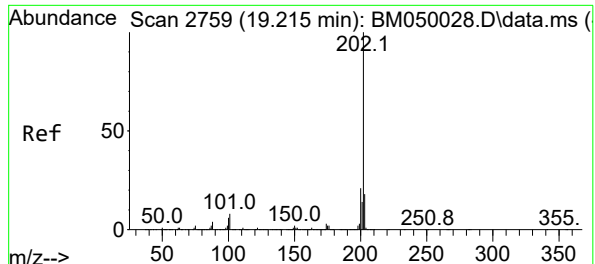
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#74
Di-n-butylphthalate
Concen: 19.519 ng
RT: 18.121 min Scan# 2573
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

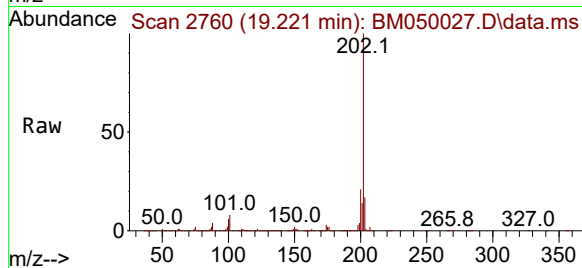
Tgt Ion:149 Resp: 1432688
Ion Ratio Lower Upper
149 100
150 9.4 7.3 10.9
104 4.6 3.8 5.6





#75
Fluoranthene
Concen: 18.872 ng
RT: 19.221 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

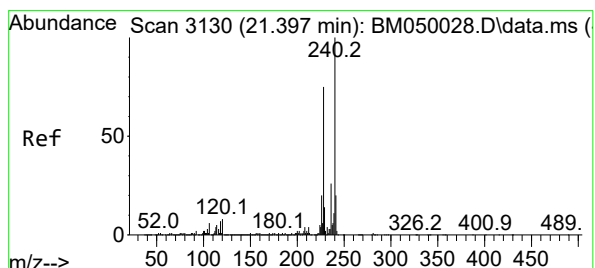
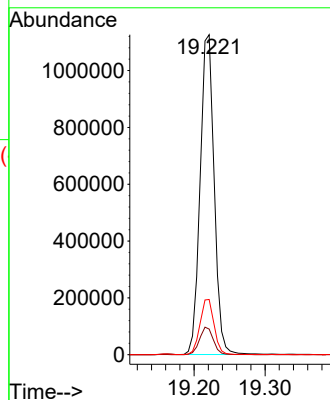
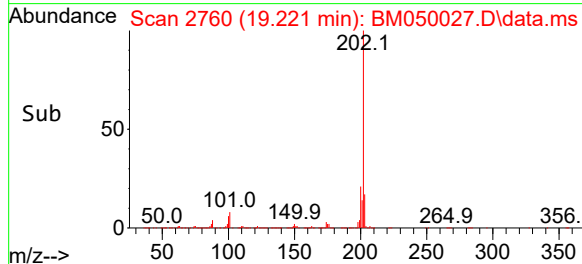
Instrument :
BNA_M
ClientSampleId :
SSTDICC020



Tgt Ion:202 Resp: 1555160
Ion Ratio Lower Upper
202 100
101 8.0 0.0 28.0
203 17.2 0.0 37.7

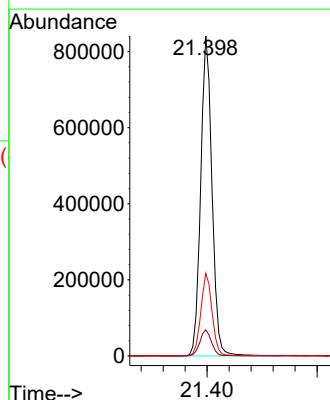
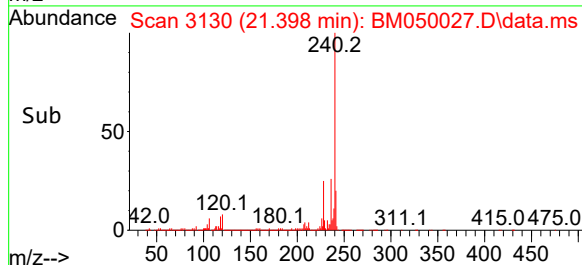
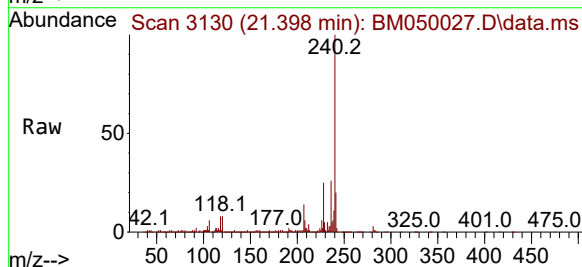
Manual Integrations
APPROVED

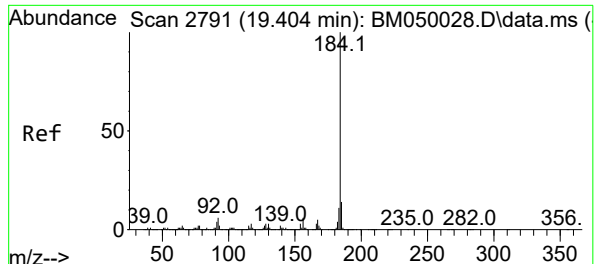
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.398 min Scan# 3130
Delta R.T. 0.001 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

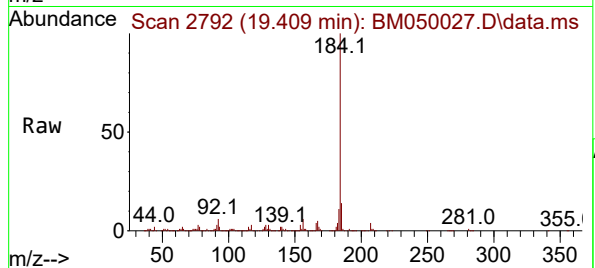
Tgt Ion:240 Resp: 1204355
Ion Ratio Lower Upper
240 100
120 8.2 6.5 9.7
236 25.9 20.9 31.3





#77
Benzidine
Concen: 18.175 ng
RT: 19.409 min Scan# 21
Delta R.T. 0.005 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

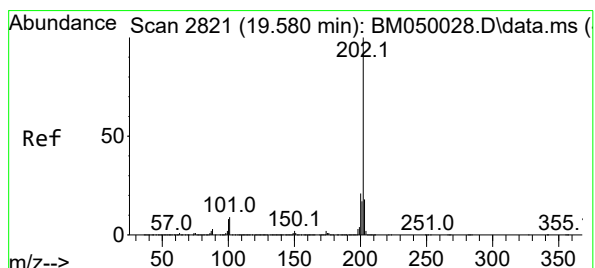
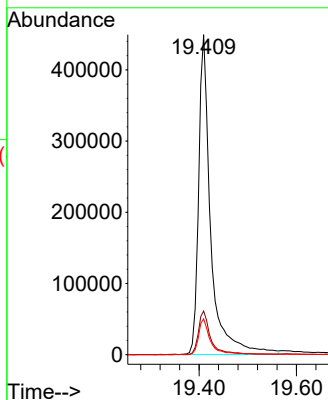
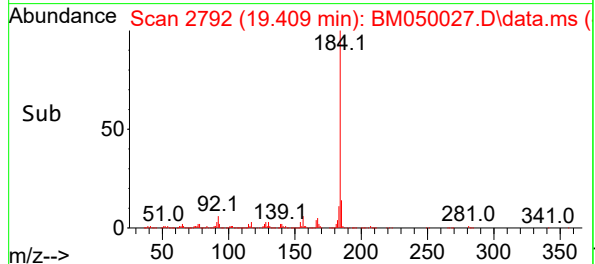
Instrument :
BNA_M
ClientSampleId :
SSTDICC020



Tgt Ion:184 Resp: 777502
Ion Ratio Lower Upper
184 100
185 13.7 11.5 17.3
183 11.2 8.9 13.3

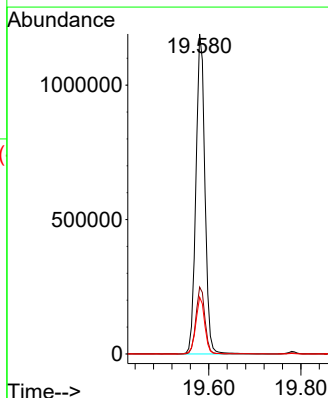
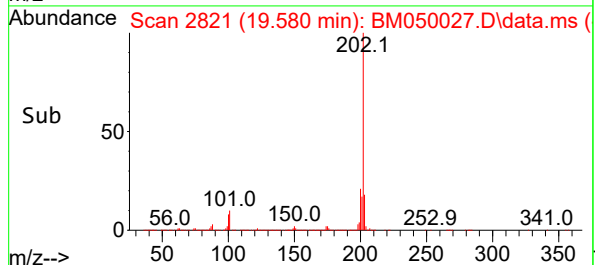
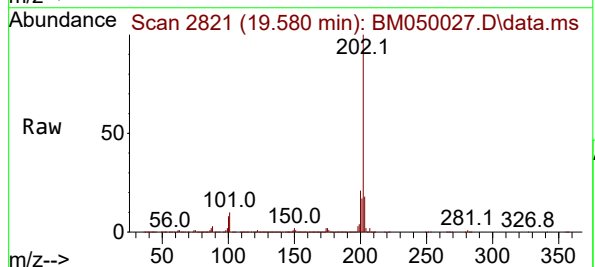
Manual Integrations
APPROVED

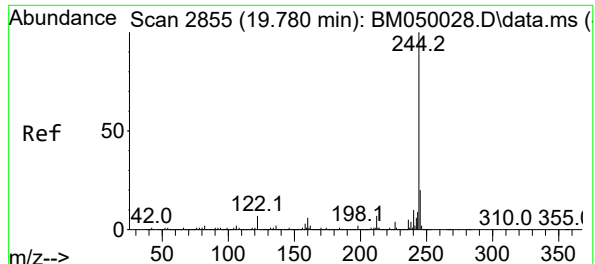
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#78
Pyrene
Concen: 18.964 ng
RT: 19.580 min Scan# 2821
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

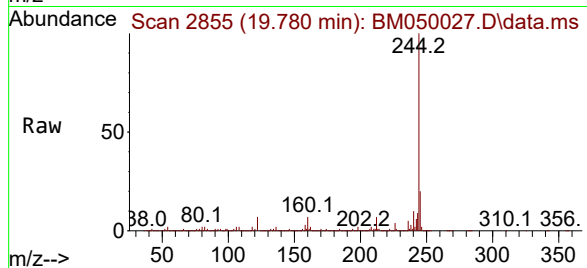
Tgt Ion:202 Resp: 1603874
Ion Ratio Lower Upper
202 100
200 20.9 16.7 25.1
203 17.8 14.1 21.1





#79
Terphenyl-d14
Concen: 39.418 ng
RT: 19.780 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

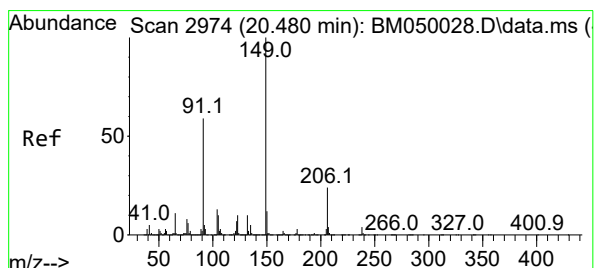
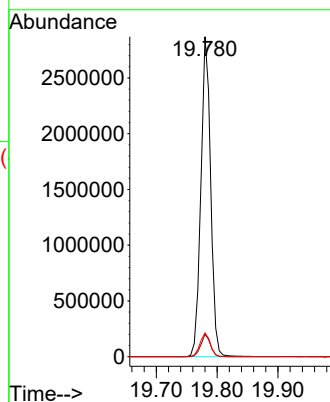
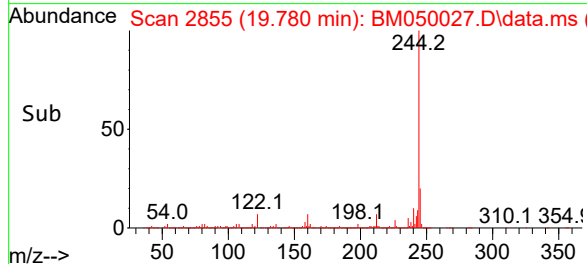
Instrument :
BNA_M
ClientSampleId :
SSTDICC020



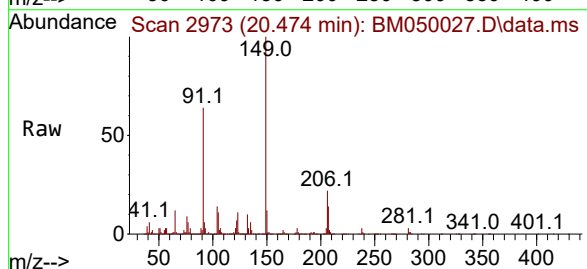
Tgt Ion:244 Resp: 320824
Ion Ratio Lower Upper
244 100
212 7.0 5.6 8.4
122 7.4 5.6 8.4

Manual Integrations
APPROVED

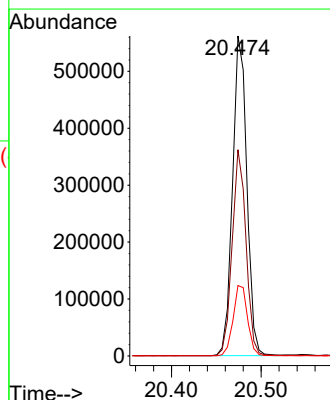
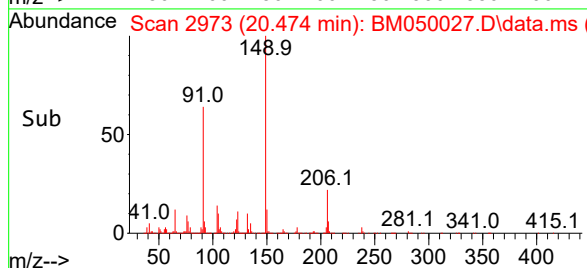
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

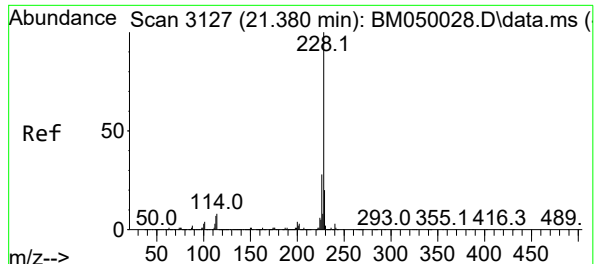


#80
Butylbenzylphthalate
Concen: 19.597 ng
RT: 20.474 min Scan# 2973
Delta R.T. -0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27



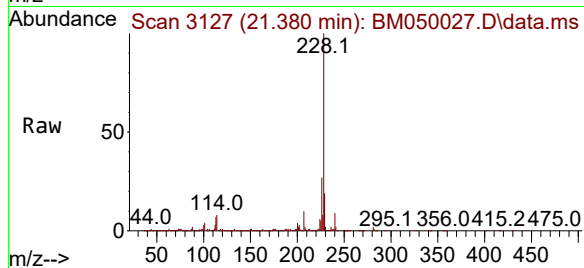
Tgt Ion:149 Resp: 620751
Ion Ratio Lower Upper
149 100
91 64.4 47.4 71.2
206 22.0 19.4 29.0





#81
Benzo(a)anthracene
Concen: 19.187 ng
RT: 21.380 min Scan# 3127
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

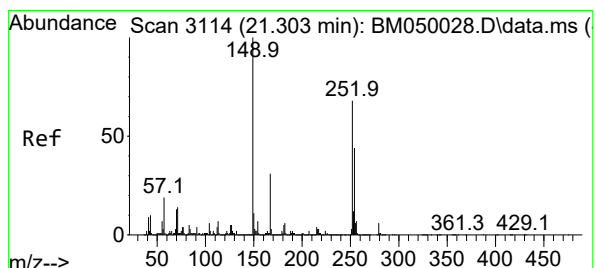
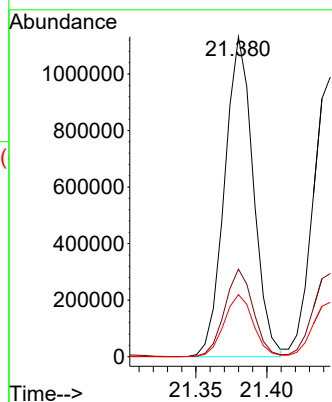
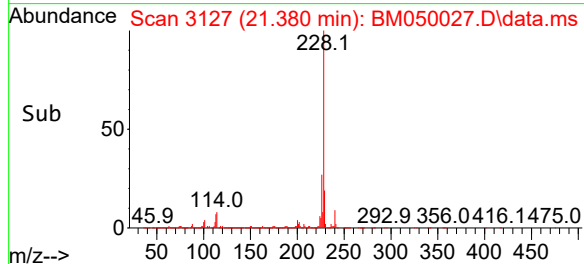
Instrument :
BNA_M
ClientSampleId :
SSTDICC020



Tgt Ion:228 Resp: 1591290
Ion Ratio Lower Upper
228 100
226 27.3 22.1 33.1
229 19.4 15.7 23.5

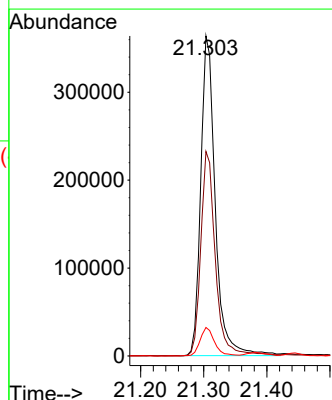
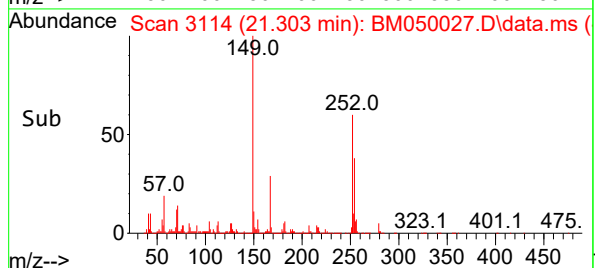
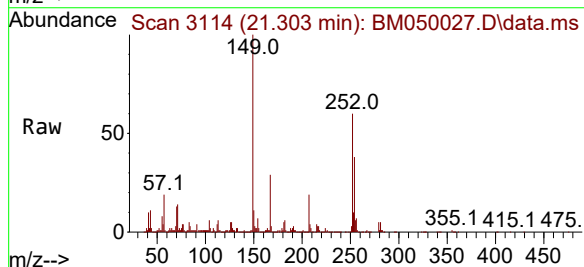
Manual Integrations
APPROVED

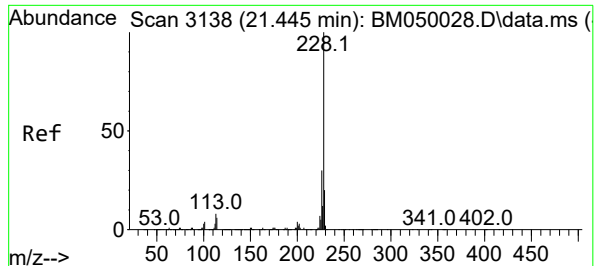
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#82
3,3'-Dichlorobenzidine
Concen: 18.333 ng
RT: 21.303 min Scan# 3114
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

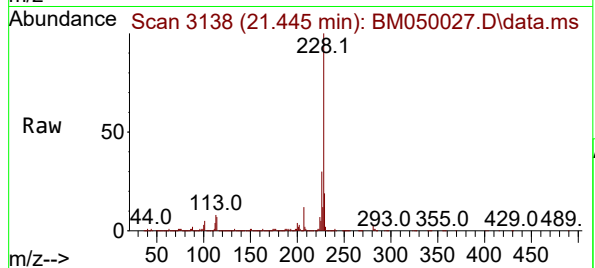
Tgt Ion:252 Resp: 582038
Ion Ratio Lower Upper
252 100
254 63.9 51.8 77.6
126 8.9 6.0 9.0





#83
Chrysene
Concen: 19.044 ng
RT: 21.445 min Scan# 3138
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

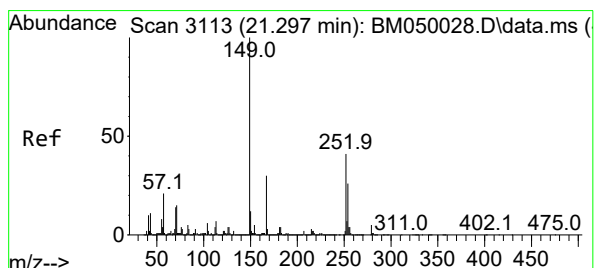
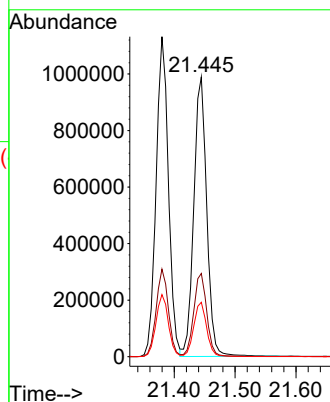
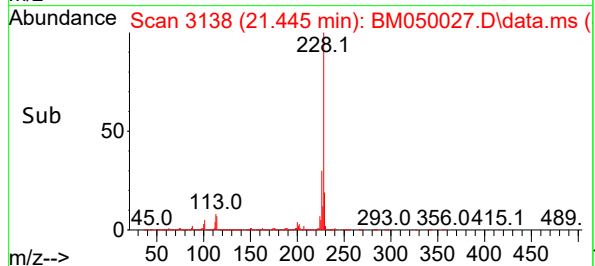
Instrument :
BNA_M
ClientSampleId :
SSTDICC020



Tgt Ion:228 Resp: 146177
Ion Ratio Lower Upper
228 100
226 29.8 24.2 36.2
229 19.5 15.7 23.5

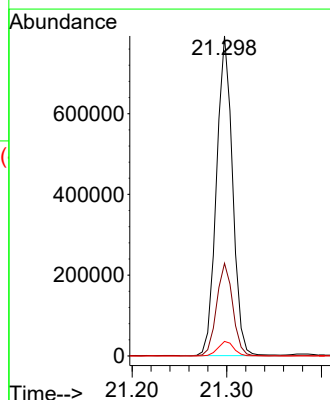
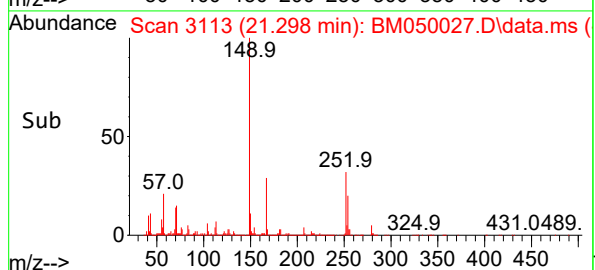
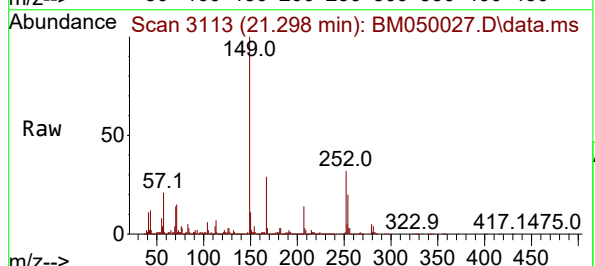
Manual Integrations
APPROVED

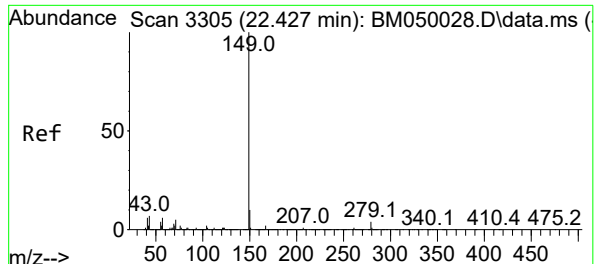
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#84
Bis(2-ethylhexyl)phthalate
Concen: 19.730 ng
RT: 21.298 min Scan# 3113
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

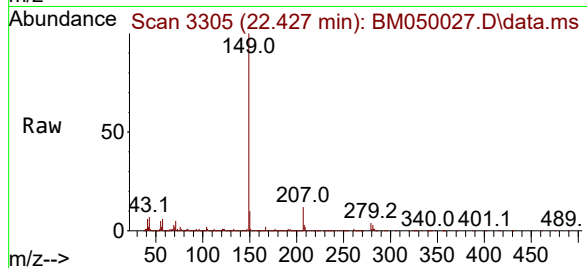
Tgt Ion:149 Resp: 933505
Ion Ratio Lower Upper
149 100
167 29.0 24.1 36.1
279 4.6 3.9 5.9





#85
Di-n-octyl phthalate
Concen: 19.552 ng
RT: 22.427 min Scan# 3305
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

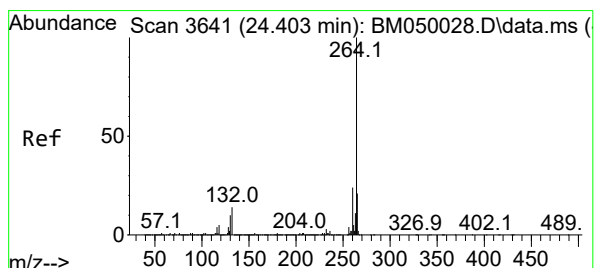
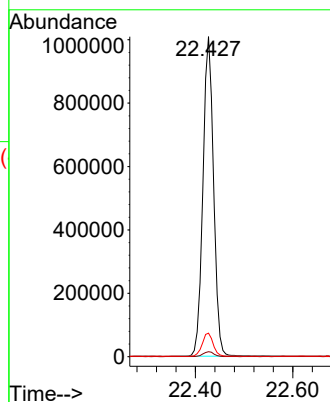
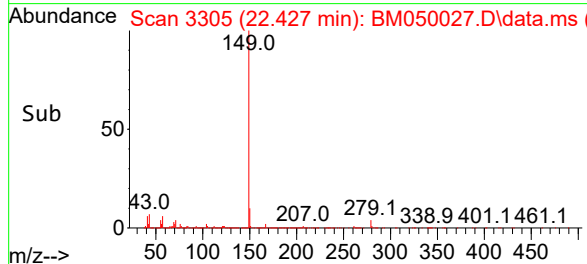
Instrument :
BNA_M
ClientSampleId :
SSTDICC020



Tgt Ion:149 Resp: 152559
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 7.4 5.8 8.8

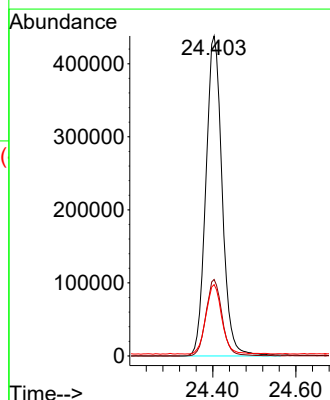
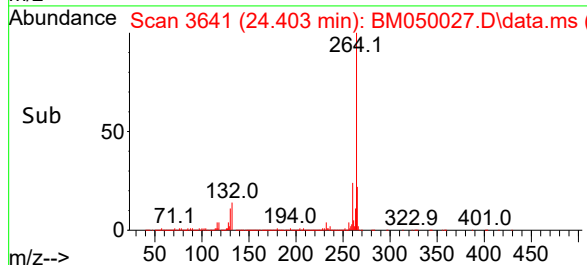
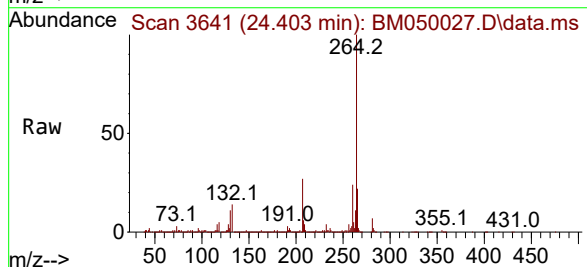
Manual Integrations
APPROVED

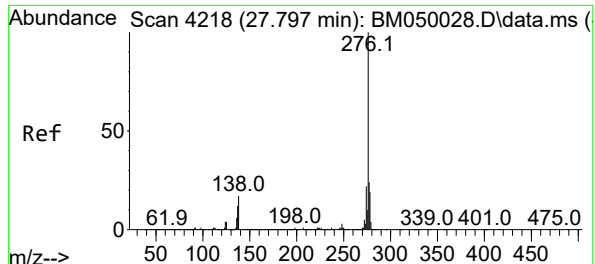
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.403 min Scan# 3641
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

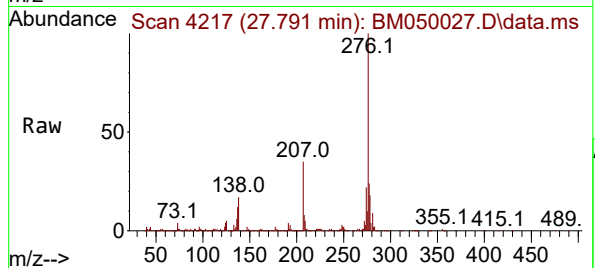
Tgt Ion:264 Resp: 1191041
Ion Ratio Lower Upper
264 100
260 23.9 18.8 28.2
265 22.3 17.0 25.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 18.840 ng
RT: 27.791 min Scan# 4218
Delta R.T. -0.006 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

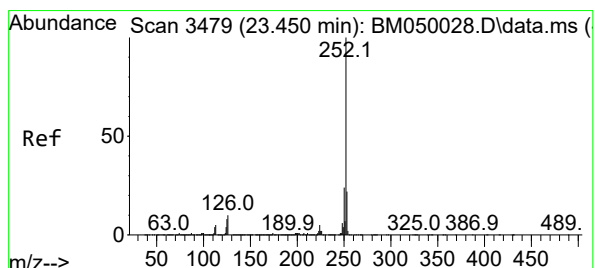
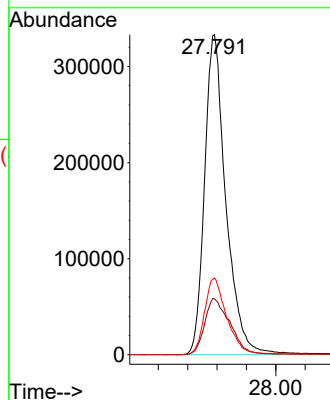
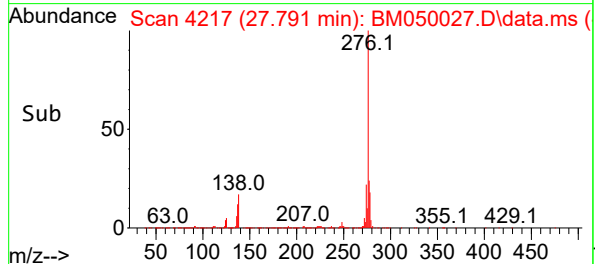
Instrument :
BNA_M
ClientSampleId :
SSTDICC020



Tgt Ion:276 Resp: 167196
Ion Ratio Lower Upper
276 100
138 20.9 16.4 24.6
277 25.0 19.8 29.8

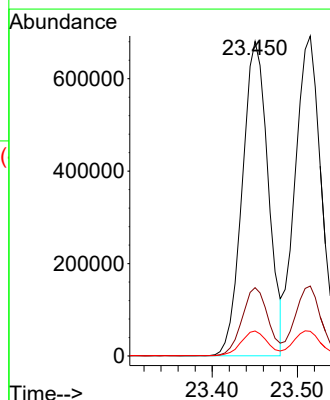
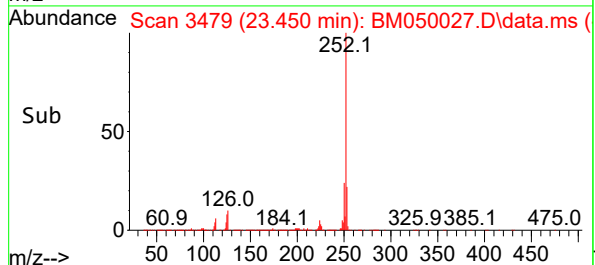
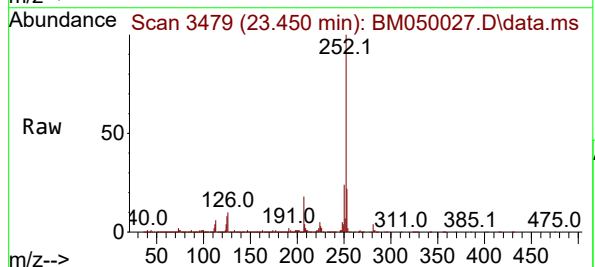
Manual Integrations
APPROVED

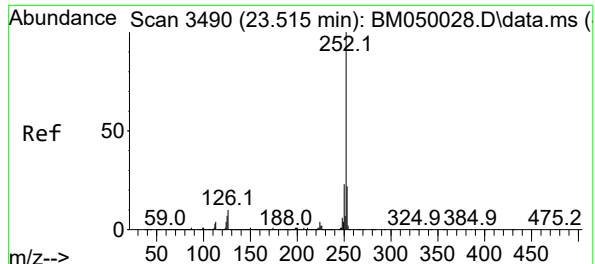
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#88
Benzo(b)fluoranthene
Concen: 18.588 ng
RT: 23.450 min Scan# 3479
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:252 Resp: 1439776
Ion Ratio Lower Upper
252 100
253 21.7 17.7 26.5
125 7.9 6.1 9.1





#89

Benzo(k)fluoranthene

Concen: 19.005 ng

RT: 23.515 min Scan# 3490

Delta R.T. 0.000 min

Lab File: BM050027.D

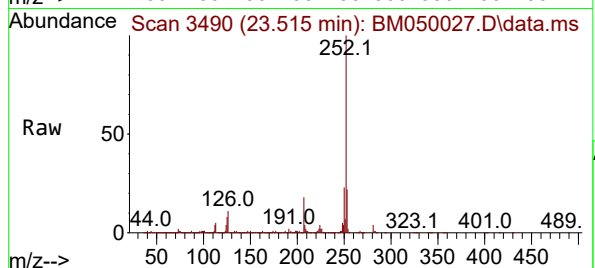
Acq: 28 Apr 2025 14:27

Instrument :

BNA_M

ClientSampleId :

SSTDICC020



Tgt Ion:252 Resp: 1489410

Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.2

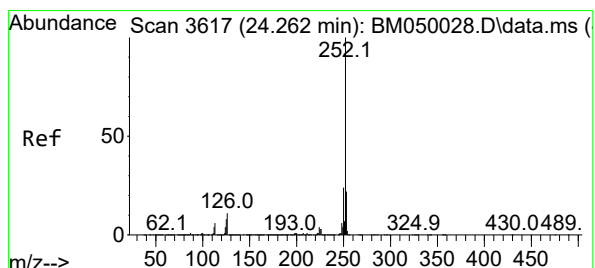
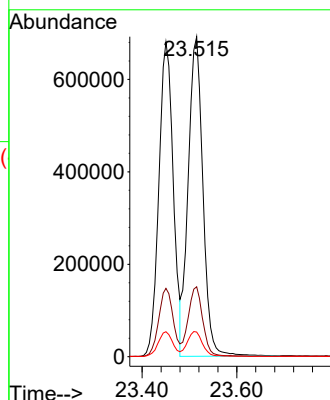
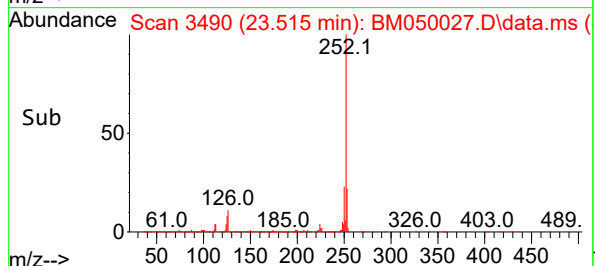
125 7.7 5.8 8.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/29/2025

Supervised By :Jagrut Upadhyay 04/29/2025



#90

Benzo(a)pyrene

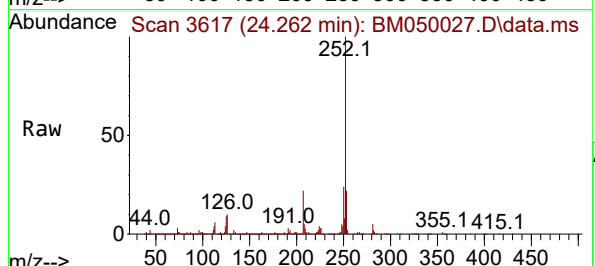
Concen: 18.825 ng

RT: 24.262 min Scan# 3617

Delta R.T. 0.000 min

Lab File: BM050027.D

Acq: 28 Apr 2025 14:27



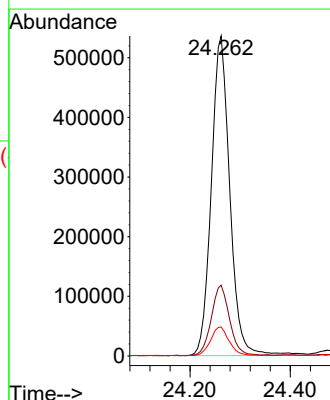
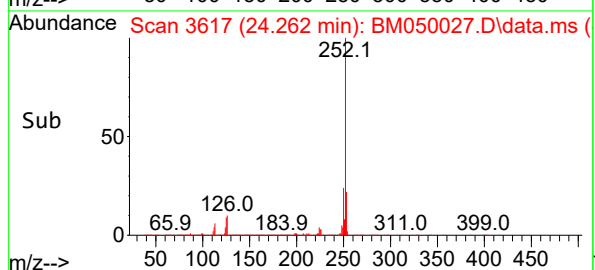
Tgt Ion:252 Resp: 1365706

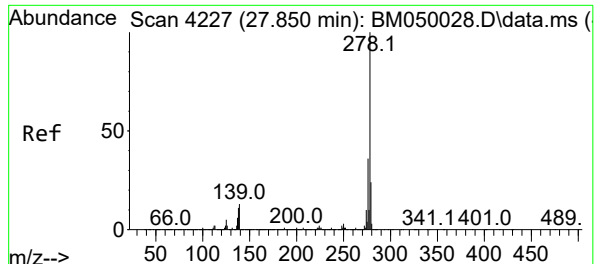
Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.0

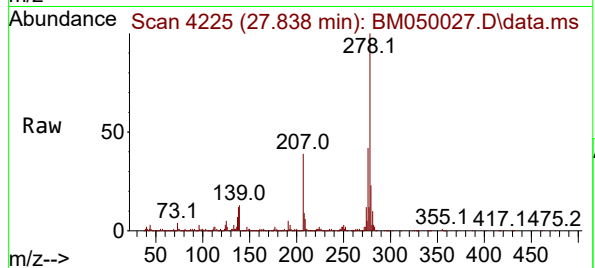
125 9.0 6.6 9.8





#91
Dibenzo(a,h)anthracene
Concen: 18.803 ng
RT: 27.838 min Scan# 41
Delta R.T. -0.012 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

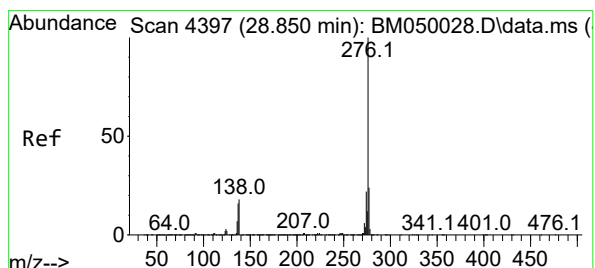
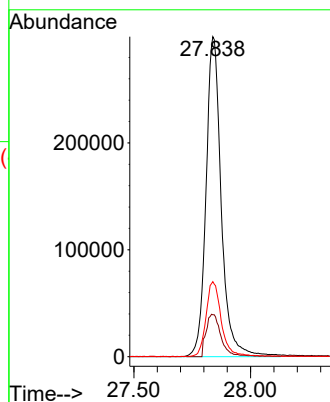
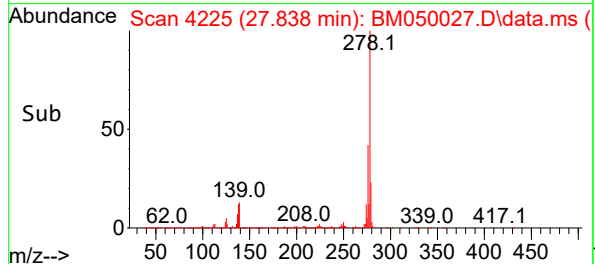
Instrument :
BNA_M
ClientSampleId :
SSTDICC020



Tgt Ion:278 Resp: 1360269
Ion Ratio Lower Upper
278 100
139 13.1 10.5 15.7
279 23.4 19.4 29.0

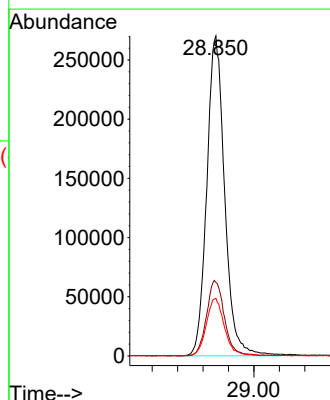
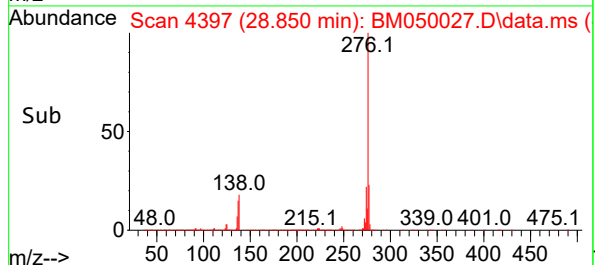
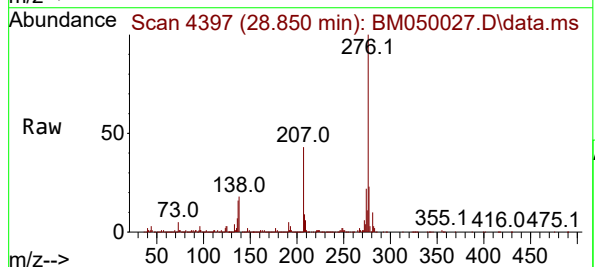
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#92
Benzo(g,h,i)perylene
Concen: 19.008 ng
RT: 28.850 min Scan# 4397
Delta R.T. 0.000 min
Lab File: BM050027.D
Acq: 28 Apr 2025 14:27

Tgt Ion:276 Resp: 1316513
Ion Ratio Lower Upper
276 100
277 23.0 19.1 28.7
138 18.1 14.3 21.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
 Data File : BM050028.D
 Acq On : 28 Apr 2025 15:06
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICCC040

Quant Time: Apr 28 17:56:15 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 17:38:08 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	241109	20.000	ng	0.00
21) Naphthalene-d8	10.563	136	890488	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	591599	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1163791	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1114654	20.000	ng	0.00
86) Perylene-d12	24.403	264	1072526	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1165032	84.611	ng	0.00
7) Phenol-d6	6.951	99	1487856	85.973	ng	0.00
23) Nitrobenzene-d5	8.928	82	1547270	85.620	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	751927	85.958	ng	0.00
45) 2-Fluorobiphenyl	13.033	172	4275240	85.489	ng	0.00
79) Terphenyl-d14	19.780	244	6797031	90.233	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.252	88	246624	41.774	ng	100
3) Pyridine	3.657	79	641890	42.316	ng	100
4) n-Nitrosodimethylamine	3.563	42	251749	42.316	ng	100
6) Aniline	7.098	93	936673	42.862	ng	100
8) 2-Chlorophenol	7.340	128	632836	42.508	ng	100
9) Benzaldehyde	6.910	77	497166	42.981	ng	100
10) Phenol	6.981	94	742305	42.370	ng	100
11) bis(2-Chloroethyl)ether	7.193	93	616851	42.166	ng	100
12) 1,3-Dichlorobenzene	7.657	146	754937	41.979	ng	100
13) 1,4-Dichlorobenzene	7.804	146	752959	41.677	ng	100
14) 1,2-Dichlorobenzene	8.122	146	733848	42.050	ng	100
15) Benzyl Alcohol	8.016	79	521025	43.413	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.292	45	748400	42.085	ng	100
17) 2-Methylphenol	8.222	107	498005	43.149	ng	100
18) Hexachloroethane	8.845	117	268328	41.780	ng	100
19) n-Nitroso-di-n-propyla...	8.575	70	483699	43.579	ng	100
20) 3+4-Methylphenols	8.557	107	671942	43.111	ng	100
22) Acetophenone	8.592	105	946106	42.735	ng	100
24) Nitrobenzene	8.969	77	666034	42.625	ng	100
25) Isophorone	9.498	82	1298577	42.156	ng	100
26) 2-Nitrophenol	9.681	139	349855	43.827	ng	100
27) 2,4-Dimethylphenol	9.751	122	576549	43.552	ng	100
28) bis(2-Chloroethoxy)met...	9.975	93	809528	42.518	ng	100
29) 2,4-Dichlorophenol	10.228	162	644546	43.461	ng	100
30) 1,2,4-Trichlorobenzene	10.428	180	759987	42.060	ng	100
31) Naphthalene	10.610	128	1898588	42.100	ng	100
32) Benzoic acid	9.910	122	351345	41.613	ng	100
33) 4-Chloroaniline	10.728	127	784625	42.448	ng	100
34) Hexachlorobutadiene	10.898	225	481510	41.981	ng	100
35) Caprolactam	11.522	113	185984	43.010	ng	100
36) 4-Chloro-3-methylphenol	11.869	107	579492	42.293	ng	100
37) 2-Methylnaphthalene	12.227	142	1269061	41.973	ng	100
38) 1-Methylnaphthalene	12.445	142	1341577	41.928	ng	100
40) 1,2,4,5-Tetrachloroben...	12.598	216	878448	42.894	ng	100
41) Hexachlorocyclopentadiene	12.580	237	538788	43.050	ng	100
43) 2,4,6-Trichlorophenol	12.851	196	563324	43.368	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
 Data File : BM050028.D
 Acq On : 28 Apr 2025 15:06
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICCC040

Quant Time: Apr 28 17:56:15 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 17:38:08 2025
 Response via : Initial Calibration

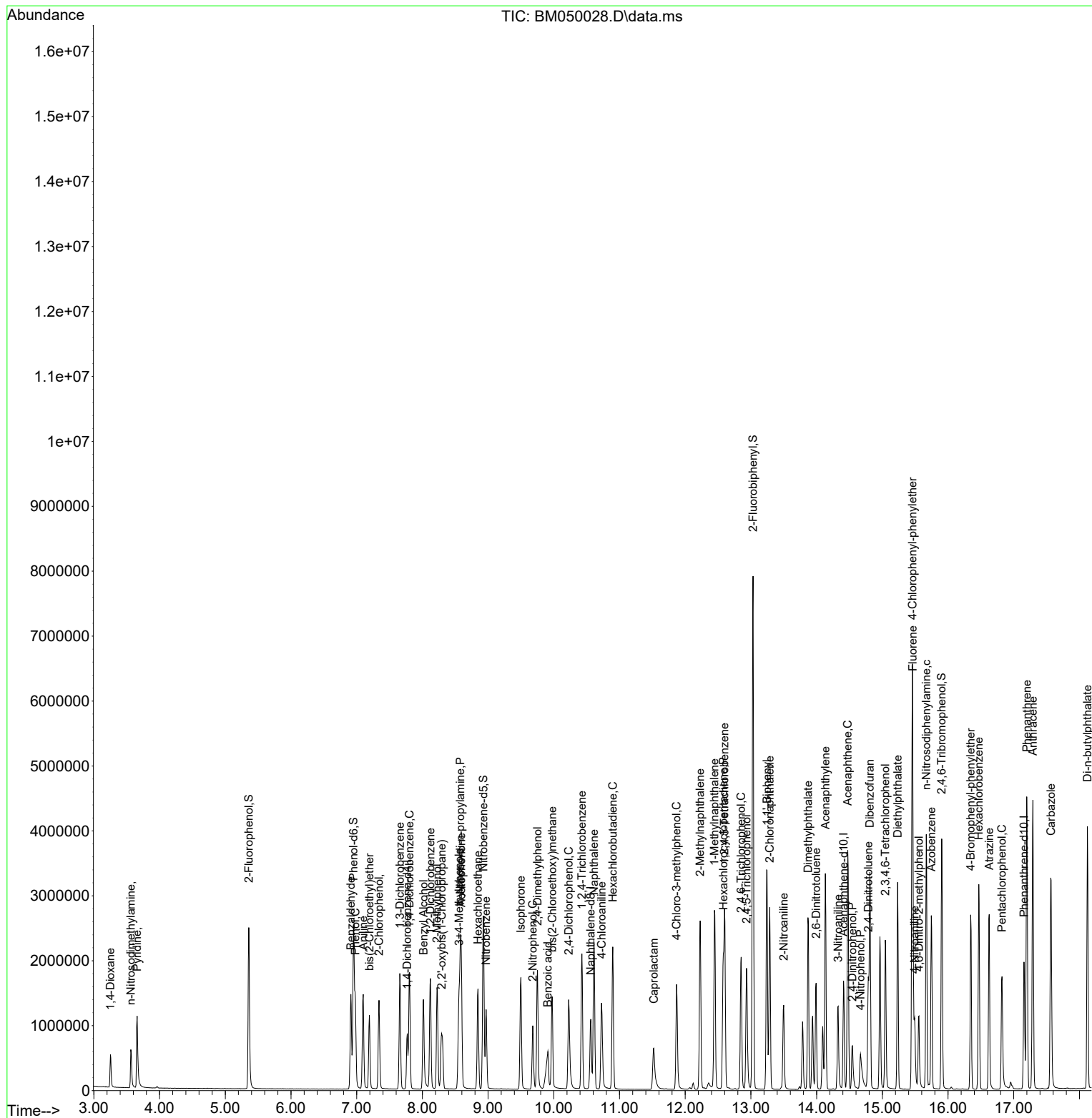
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.933	196	612194	43.706	ng	100
46) 1,1'-Biphenyl	13.245	154	1860581	42.309	ng	100
47) 2-Chloronaphthalene	13.286	162	1479560	42.480	ng	100
48) 2-Nitroaniline	13.498	65	357098	43.684	ng	100
49) Acenaphthylene	14.133	152	2332675	42.478	ng	100
50) Dimethylphthalate	13.869	163	1812335	41.918	ng	100
51) 2,6-Dinitrotoluene	13.992	165	386623	43.191	ng	100
52) Acenaphthene	14.474	154	1340946	42.186	ng	100
53) 3-Nitroaniline	14.327	138	379359	44.389	ng	100
54) 2,4-Dinitrophenol	14.545	184	210115	39.788	ng	100
55) Dibenzofuran	14.810	168	2219206	41.961	ng	100
56) 4-Nitrophenol	14.669	139	264964	40.483	ng	100
57) 2,4-Dinitrotoluene	14.786	165	539867	43.646	ng	100
58) Fluorene	15.463	166	1843261	42.580	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.045	232	514644	42.446	ng	100
60) Diethylphthalate	15.233	149	1696013	41.631	ng	100
61) 4-Chlorophenyl-phenyle...	15.457	204	1014134	42.652	ng	100
62) 4-Nitroaniline	15.492	138	370884	44.949	ng	100
63) Azobenzene	15.745	77	1439085	42.150	ng	100
65) 4,6-Dinitro-2-methylph...	15.557	198	315113	43.256	ng	100
66) n-Nitrosodiphenylamine	15.668	169	1525193	42.678	ng	100
67) 4-Bromophenyl-phenylether	16.345	248	600373	42.660	ng	100
68) Hexachlorobenzene	16.468	284	683325	42.122	ng	100
69) Atrazine	16.627	200	550018	42.668	ng	100
70) Pentachlorophenol	16.821	266	387613	42.448	ng	100
71) Phenanthrene	17.198	178	2762249	42.082	ng	100
72) Anthracene	17.292	178	2824805	42.525	ng	100
73) Carbazole	17.568	167	2452474	42.547	ng	100
74) Di-n-butylphthalate	18.121	149	2899479	42.239	ng	100
75) Fluoranthene	19.215	202	3282789	42.598	ng	100
77) Benzidine	19.404	184	1720168	43.446	ng	100
78) Pyrene	19.580	202	3383053	43.220	ng	100
80) Butylbenzylphthalate	20.480	149	1251950	42.704	ng	100
81) Benzo(a)anthracene	21.380	228	3295625	42.935	ng	100
82) 3,3'-Dichlorobenzidine	21.303	252	1292611	43.991	ng	100
83) Chrysene	21.445	228	2992790	42.127	ng	100
84) Bis(2-ethylhexyl)phtha...	21.297	149	1878368	42.895	ng	100
85) Di-n-octyl phthalate	22.427	149	3044578	42.160	ng	100
87) Indeno(1,2,3-cd)pyrene	27.797	276	3435665	42.991	ng	100
88) Benzo(b)fluoranthene	23.450	252	3016197	43.243	ng	100
89) Benzo(k)fluoranthene	23.515	252	2974903	42.155	ng	100
90) Benzo(a)pyrene	24.262	252	2777683	42.519	ng	100
91) Dibenzo(a,h)anthracene	27.850	278	2787948	42.796	ng	100
92) Benzo(g,h,i)perylene	28.850	276	2651145	42.508	ng	100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050028.D
Acq On : 28 Apr 2025 15:06
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

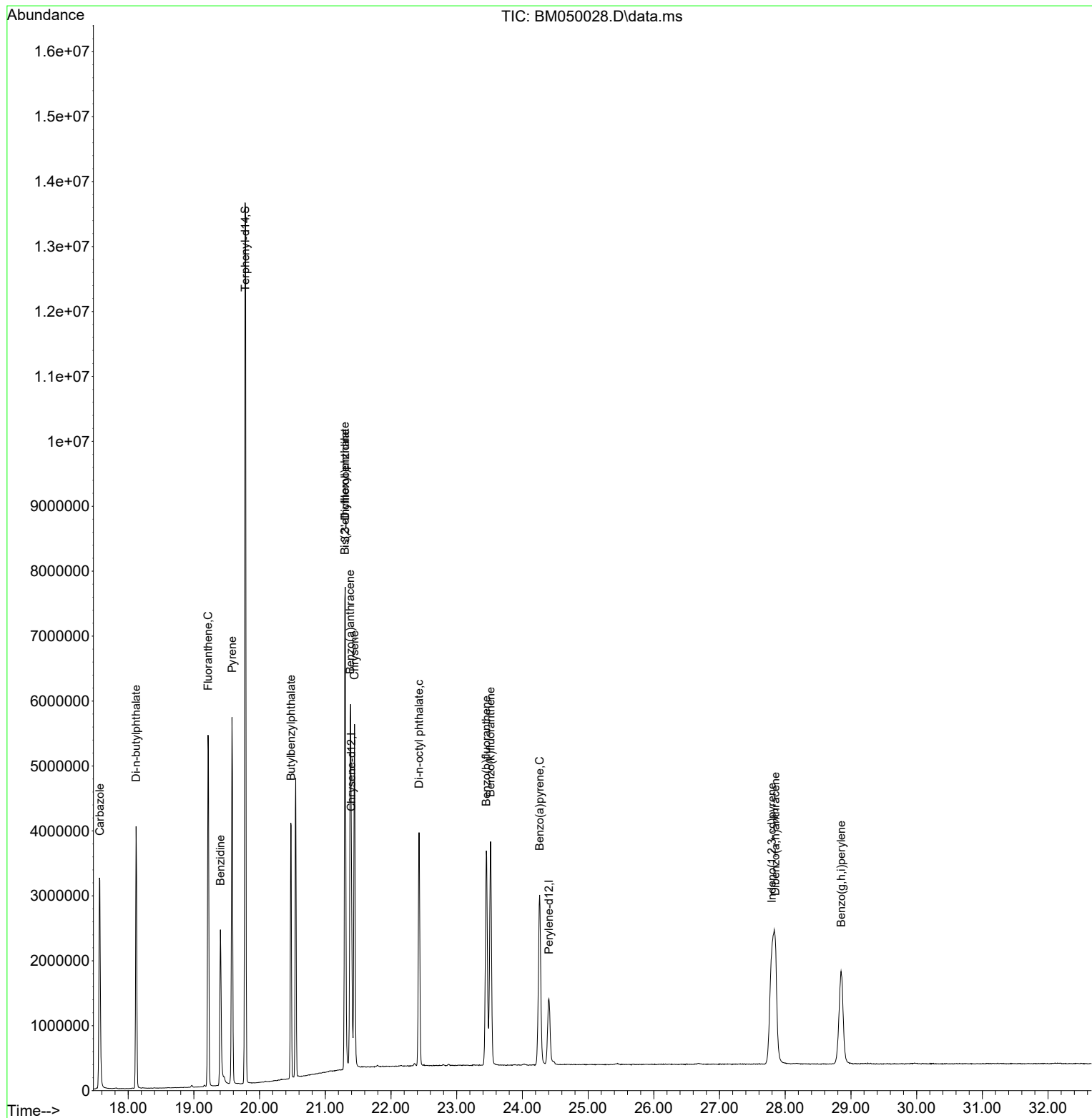
Quant Time: Apr 28 17:56:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

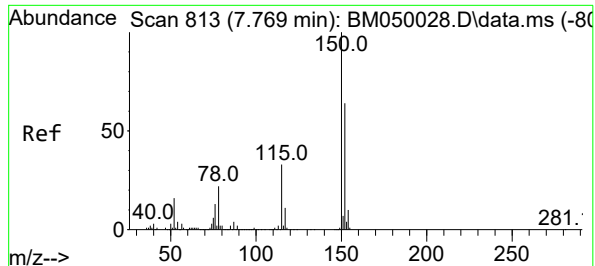


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050028.D
Acq On : 28 Apr 2025 15:06
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Quant Time: Apr 28 17:56:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

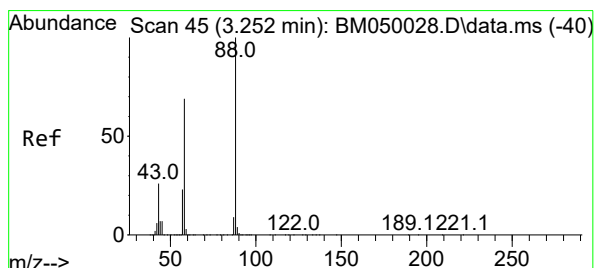
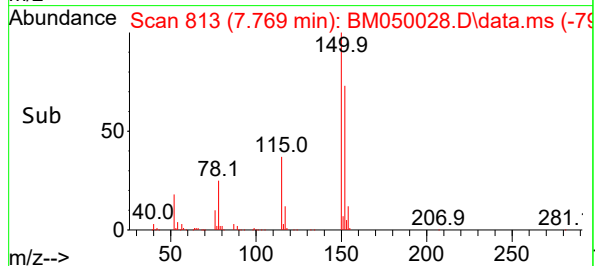
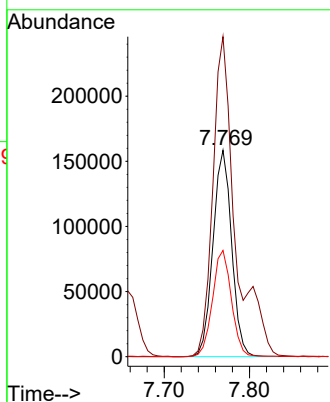
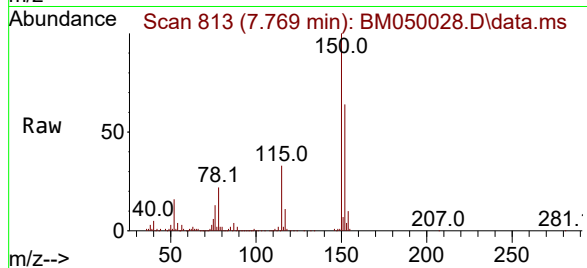




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 813
Delta R.T. -0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

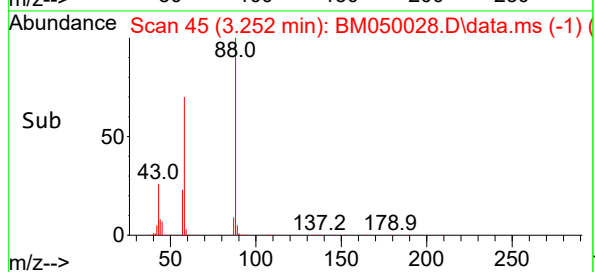
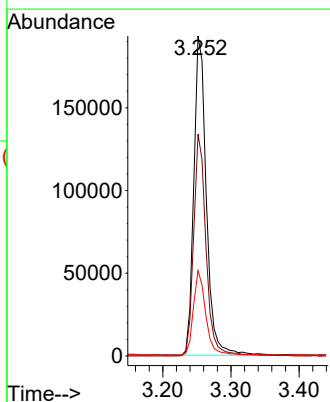
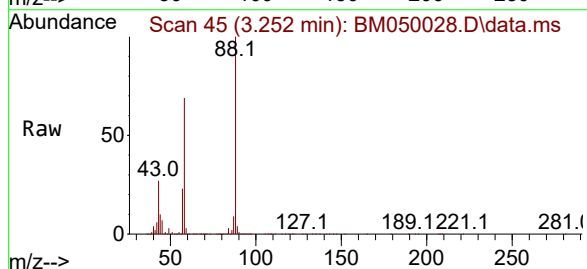
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

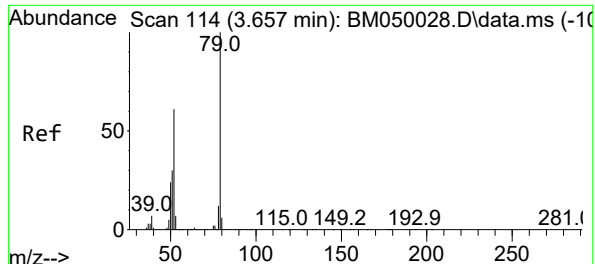
Tgt Ion:152 Resp: 241109
Ion Ratio Lower Upper
152 100
150 155.1 124.1 186.1
115 51.5 41.2 61.8



#2
1,4-Dioxane
Concen: 41.774 ng
RT: 3.252 min Scan# 45
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion: 88 Resp: 246624
Ion Ratio Lower Upper
88 100
58 68.9 55.1 82.7
43 26.1 20.9 31.3

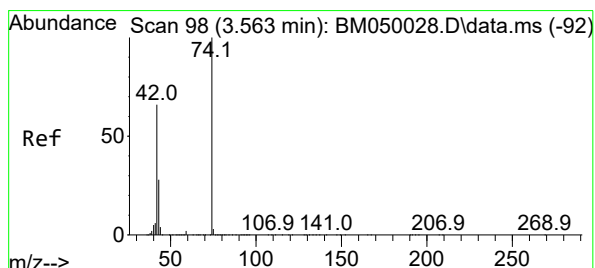
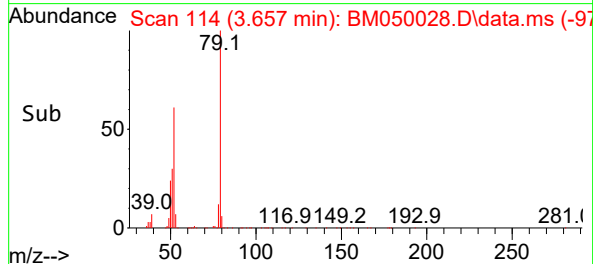
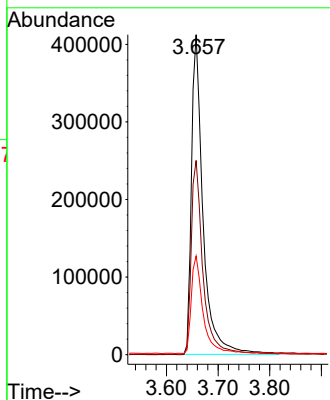
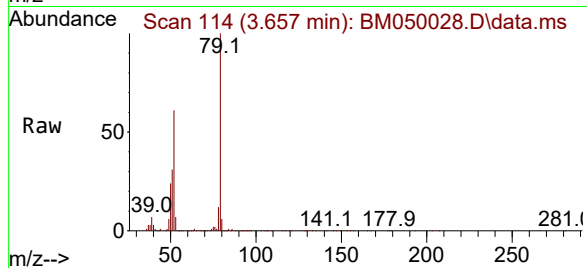




#3
Pyridine
Concen: 42.316 ng
RT: 3.657 min Scan# 114
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

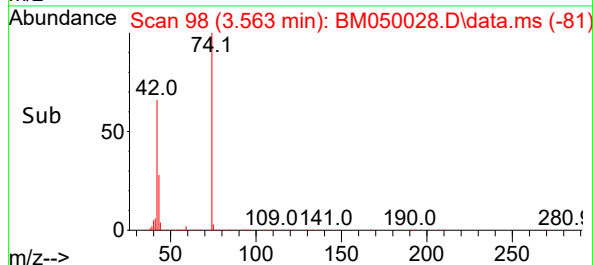
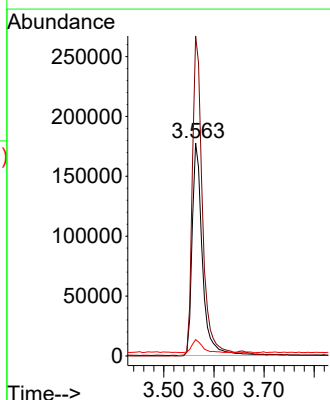
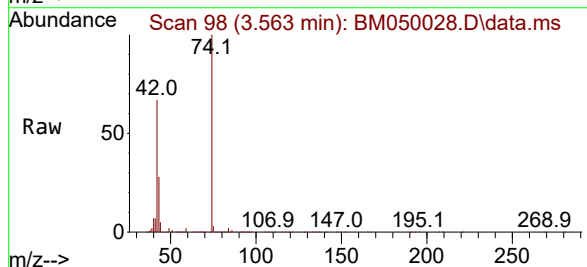
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

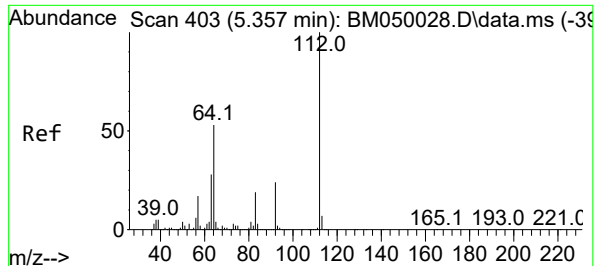
Tgt Ion: 79 Resp: 641890
Ion Ratio Lower Upper
79 100
52 60.7 48.6 72.8
51 30.8 24.6 37.0



#4
n-Nitrosodimethylamine
Concen: 42.316 ng
RT: 3.563 min Scan# 98
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion: 42 Resp: 251749
Ion Ratio Lower Upper
42 100
74 150.2 120.2 180.2
44 7.7 6.2 9.2

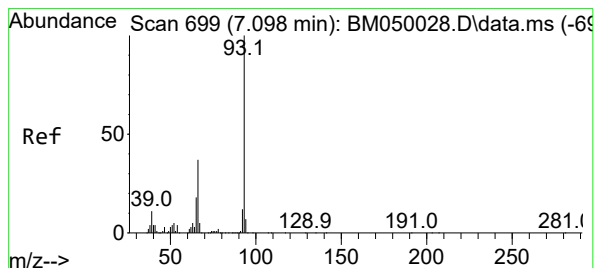
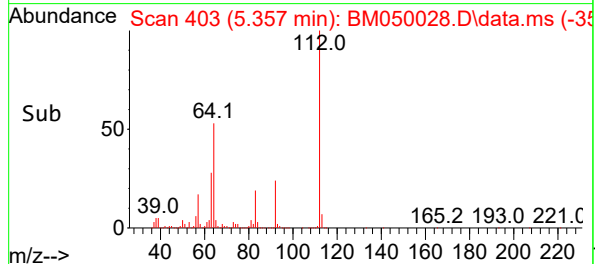
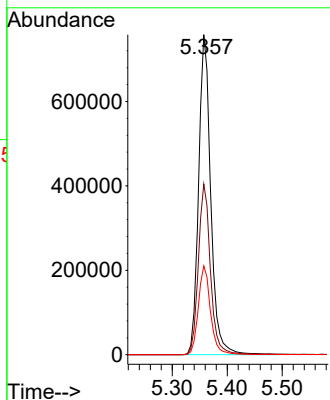
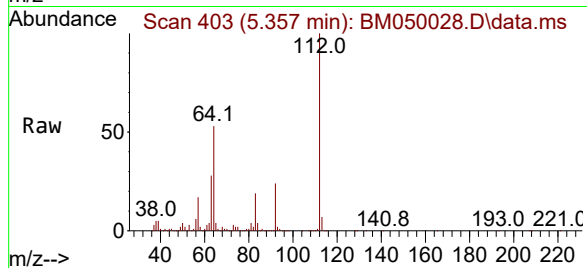




#5
2-Fluorophenol
Concen: 84.611 ng
RT: 5.357 min Scan# 403
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

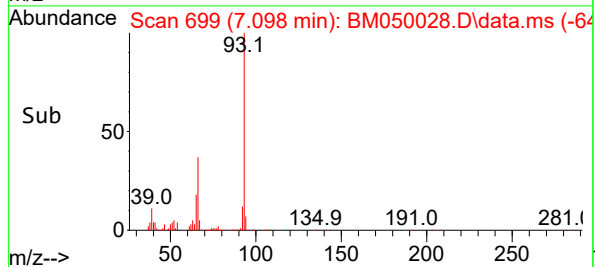
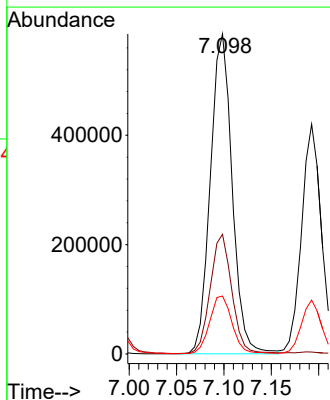
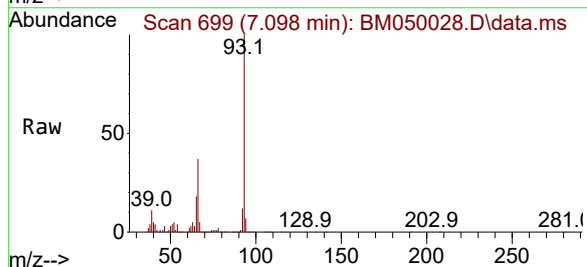
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

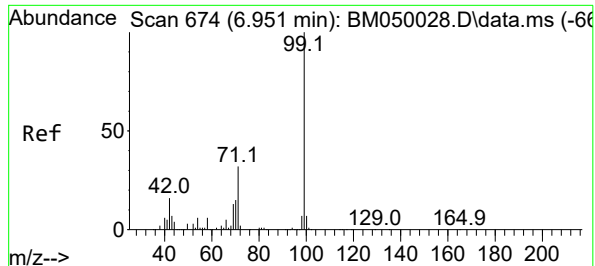
Tgt Ion:112 Resp: 1165032
Ion Ratio Lower Upper
112 100
64 53.3 42.6 64.0
63 27.8 22.2 33.4



#6
Aniline
Concen: 42.862 ng
RT: 7.098 min Scan# 699
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion: 93 Resp: 936673
Ion Ratio Lower Upper
93 100
66 37.4 29.9 44.9
65 18.1 14.5 21.7

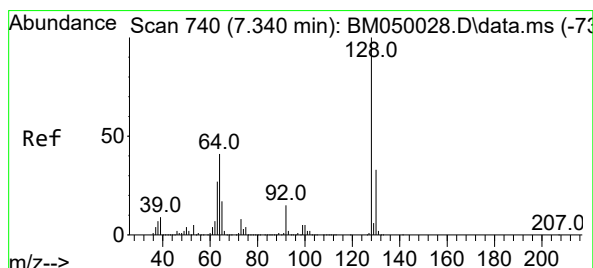
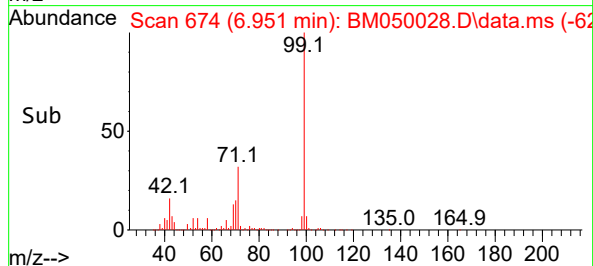
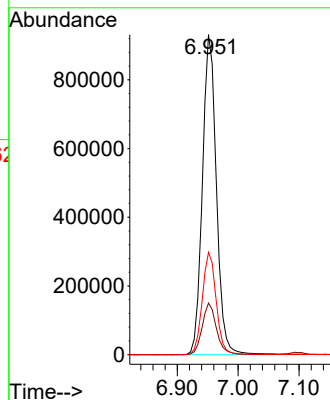
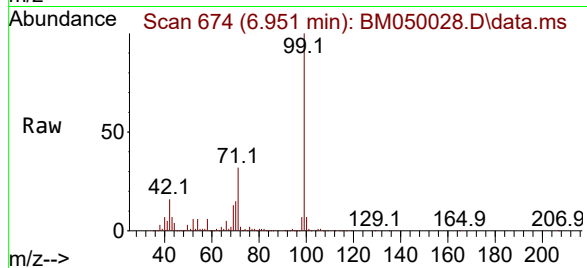




#7
Phenol-d6
Concen: 85.973 ng
RT: 6.951 min Scan# 674
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

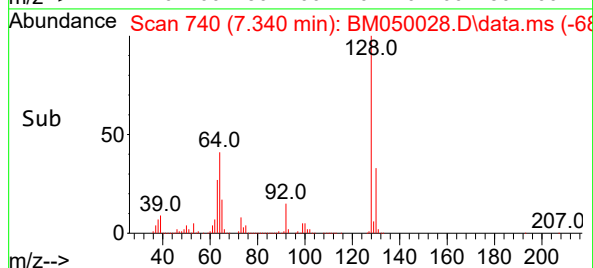
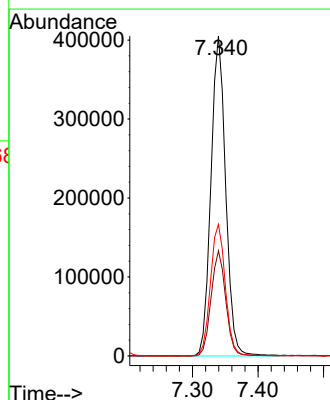
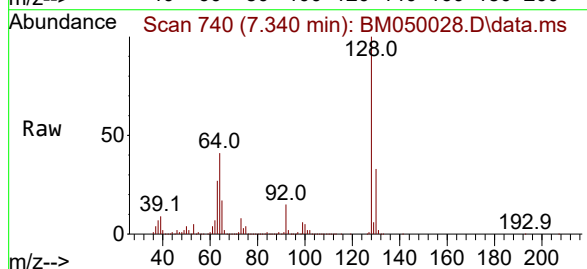
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

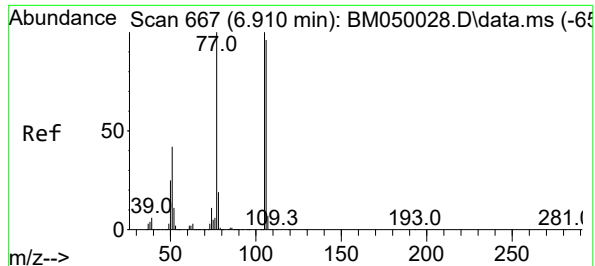
Tgt Ion: 99 Resp: 1487856
Ion Ratio Lower Upper
99 100
42 16.2 13.0 19.4
71 32.0 25.6 38.4



#8
2-Chlorophenol
Concen: 42.508 ng
RT: 7.340 min Scan# 740
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion: 128 Resp: 632836
Ion Ratio Lower Upper
128 100
130 32.8 12.8 52.8
64 41.2 21.2 61.2

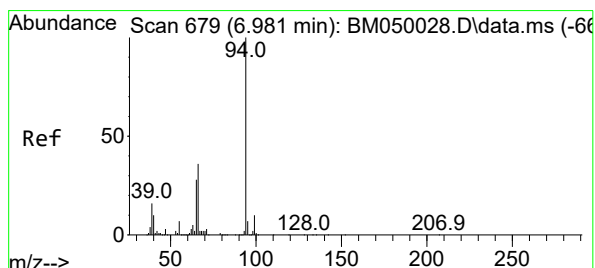
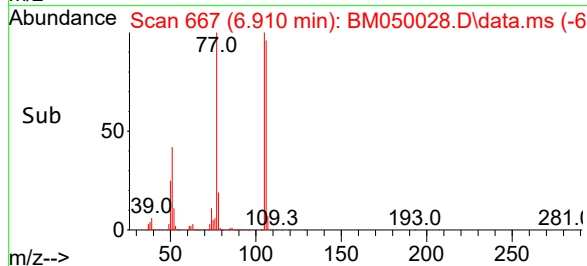
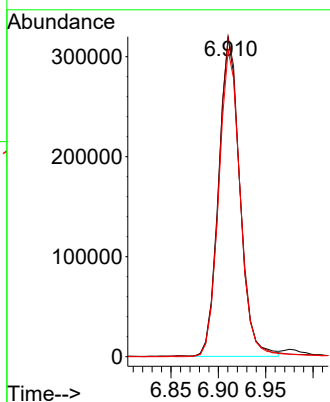
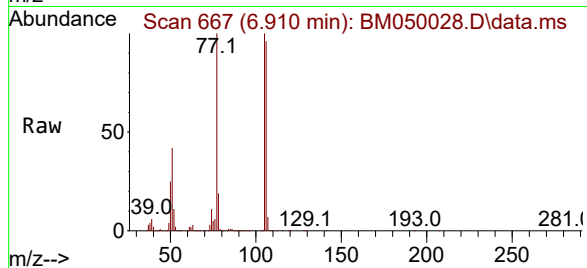




#9
Benzaldehyde
Concen: 42.981 ng
RT: 6.910 min Scan# 667
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

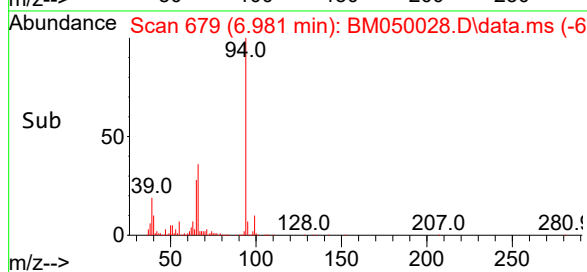
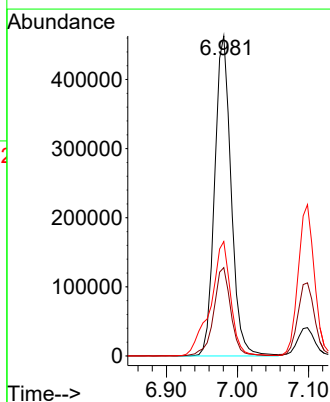
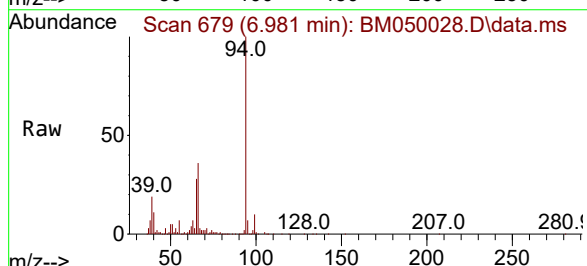
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

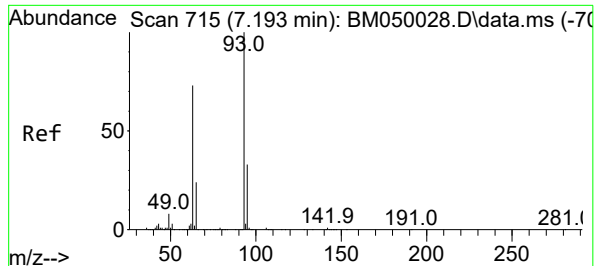
Tgt Ion: 77 Resp: 497166
Ion Ratio Lower Upper
77 100
105 100.5 80.5 120.5
106 96.1 76.1 116.1



#10
Phenol
Concen: 42.370 ng
RT: 6.981 min Scan# 679
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion: 94 Resp: 742305
Ion Ratio Lower Upper
94 100
65 27.6 7.6 47.6
66 35.8 15.8 55.8

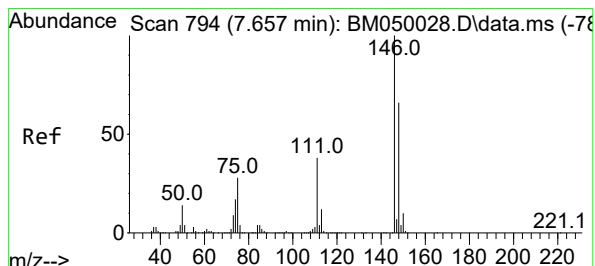
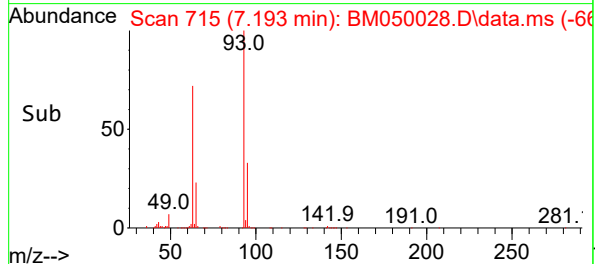
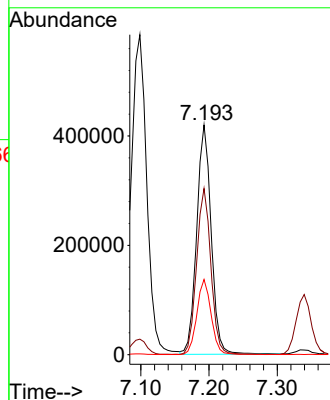
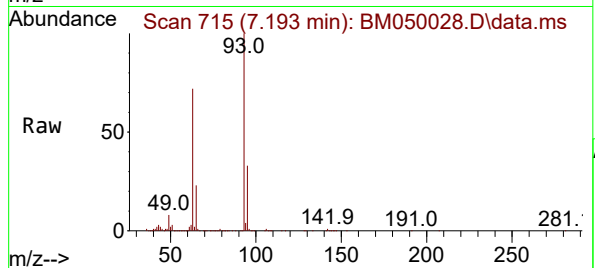




#11
bis(2-Chloroethyl)ether
Concen: 42.166 ng
RT: 7.193 min Scan# 715
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

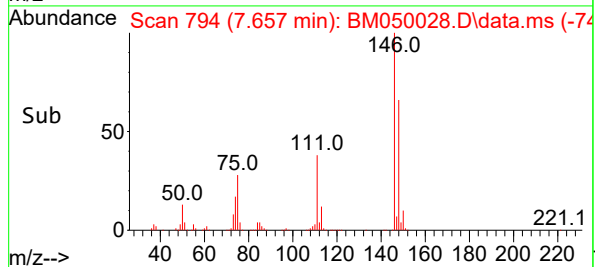
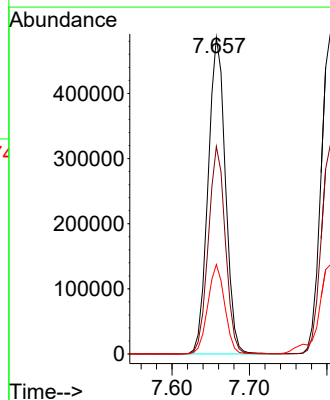
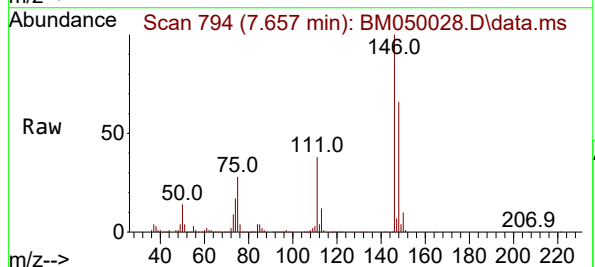
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

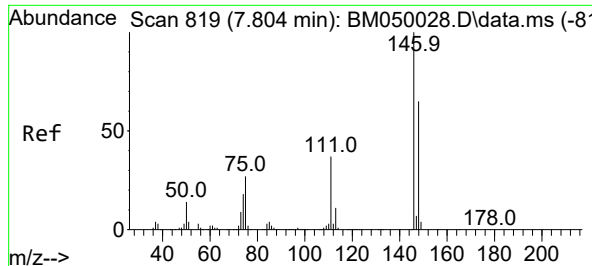
Tgt Ion: 93 Resp: 616851
Ion Ratio Lower Upper
93 100
63 72.3 52.3 92.3
95 32.8 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 41.979 ng
RT: 7.657 min Scan# 794
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion: 146 Resp: 754937
Ion Ratio Lower Upper
146 100
148 65.6 52.5 78.7
75 28.3 22.6 34.0





#13

1,4-Dichlorobenzene

Concen: 41.677 ng

RT: 7.804 min Scan# 819

Delta R.T. 0.000 min

Lab File: BM050028.D

Acq: 28 Apr 2025 15:06

Instrument :

BNA_M

ClientSampleId :

SSTDICCC040

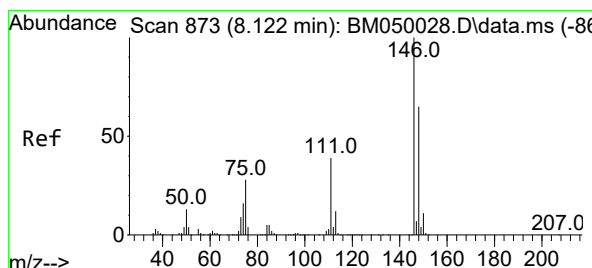
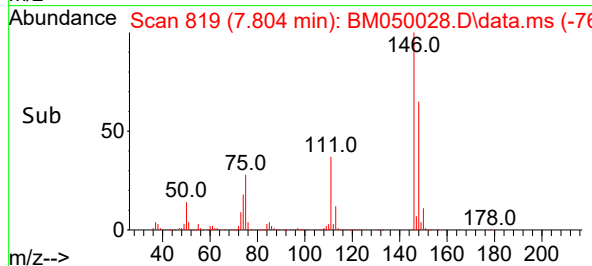
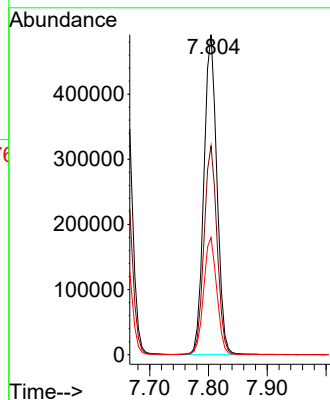
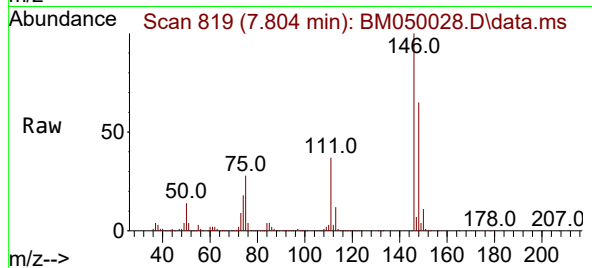
Tgt Ion:146 Resp: 752959

Ion Ratio Lower Upper

146 100

148 65.2 52.2 78.2

111 36.6 29.3 43.9



#14

1,2-Dichlorobenzene

Concen: 42.050 ng

RT: 8.122 min Scan# 873

Delta R.T. 0.000 min

Lab File: BM050028.D

Acq: 28 Apr 2025 15:06

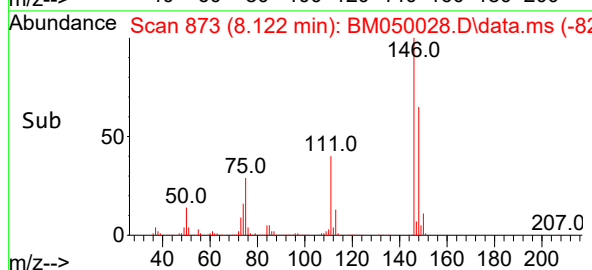
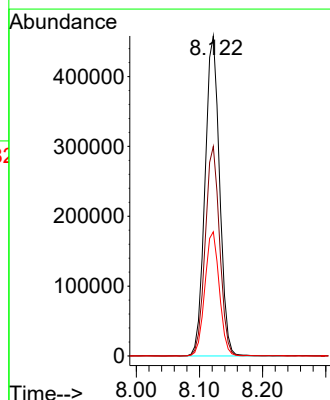
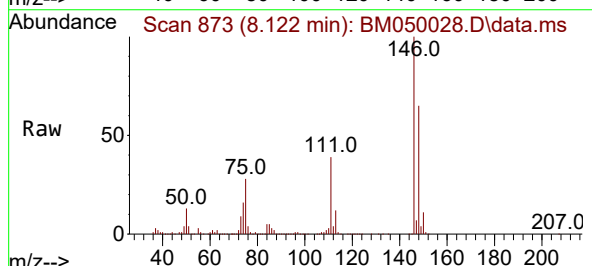
Tgt Ion:146 Resp: 733848

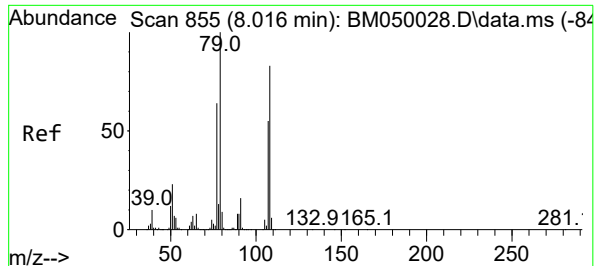
Ion Ratio Lower Upper

146 100

148 65.5 52.4 78.6

111 38.8 31.0 46.6





#15

Benzyl Alcohol

Concen: 43.413 ng

RT: 8.016 min Scan# 855

Delta R.T. 0.000 min

Lab File: BM050028.D

Acq: 28 Apr 2025 15:06

Instrument :

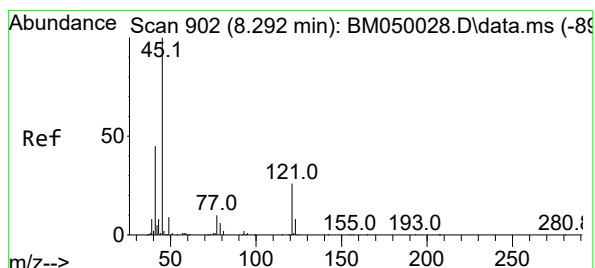
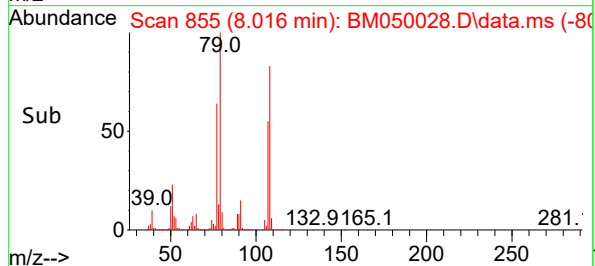
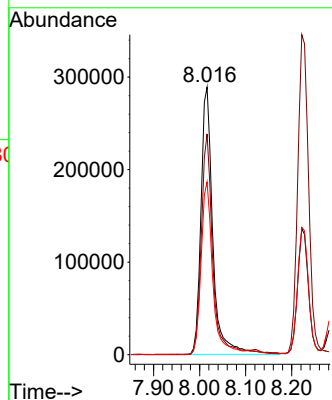
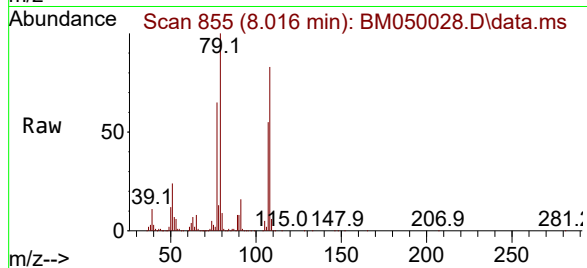
BNA_M

ClientSampleId :

SSTDICCC040

Tgt Ion: 79 Resp: 521025

Ion	Ratio	Lower	Upper
79	100		
108	82.5	66.0	99.0
77	64.5	51.6	77.4



#16

2,2'-oxybis(1-chloropropane)

Concen: 42.085 ng

RT: 8.292 min Scan# 902

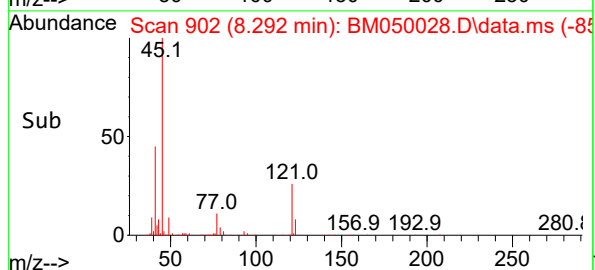
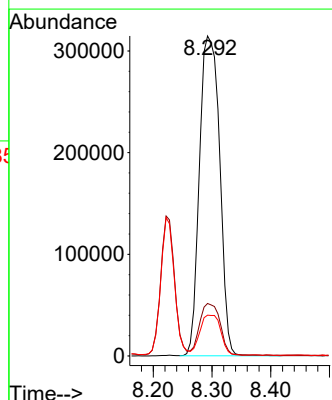
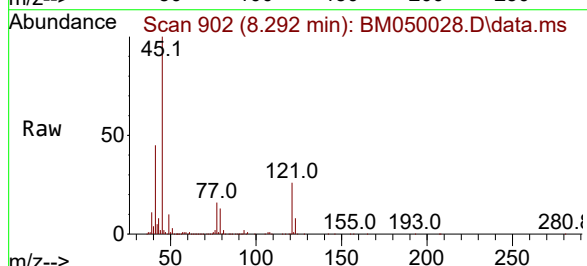
Delta R.T. 0.000 min

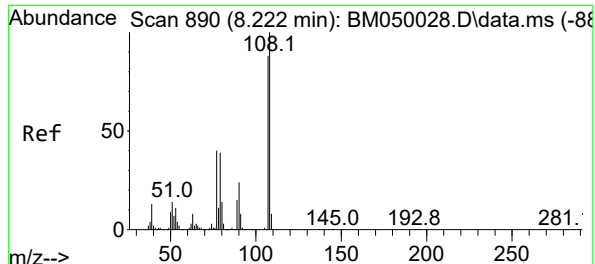
Lab File: BM050028.D

Acq: 28 Apr 2025 15:06

Tgt Ion: 45 Resp: 748400

Ion	Ratio	Lower	Upper
45	100		
77	16.4	0.0	36.4
79	12.7	0.0	32.7





#17

2-Methylphenol

Concen: 43.149 ng

RT: 8.222 min Scan# 890

Delta R.T. 0.000 min

Lab File: BM050028.D

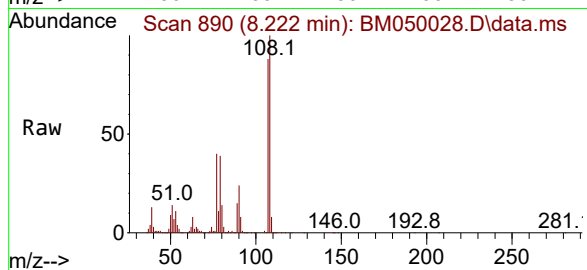
Acq: 28 Apr 2025 15:06

Instrument :

BNA_M

ClientSampleId :

SSTDICCC040



Tgt Ion:107 Resp: 498005

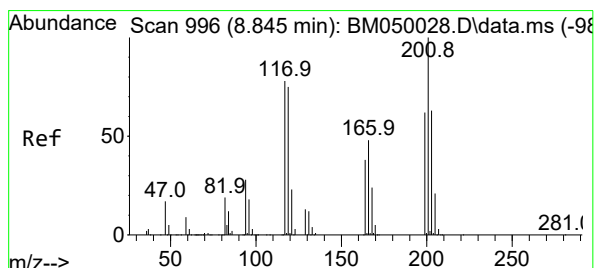
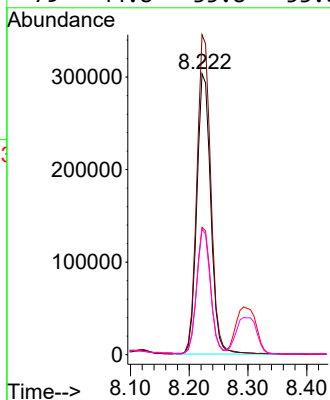
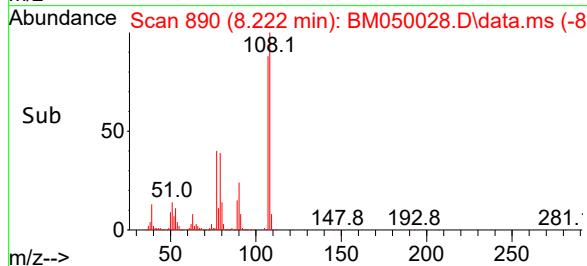
Ion	Ratio	Lower	Upper

107	100		

108	113.9	91.1	136.7

77	45.3	36.2	54.4

79	44.8	35.8	53.8



#18

Hexachloroethane

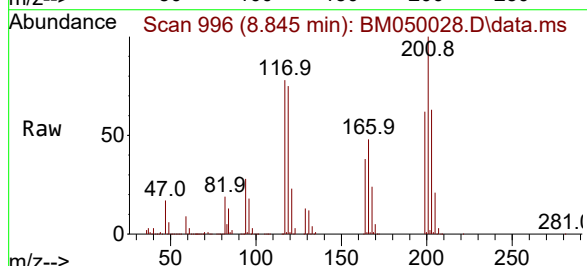
Concen: 41.780 ng

RT: 8.845 min Scan# 996

Delta R.T. 0.000 min

Lab File: BM050028.D

Acq: 28 Apr 2025 15:06



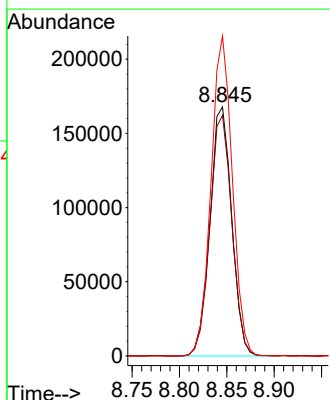
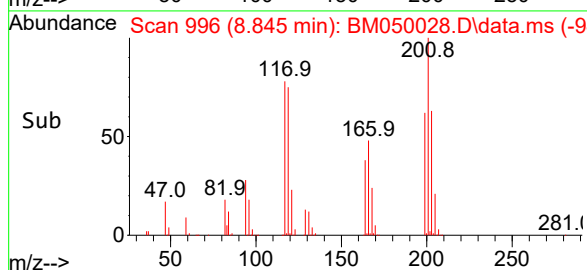
Tgt Ion:117 Resp: 268328

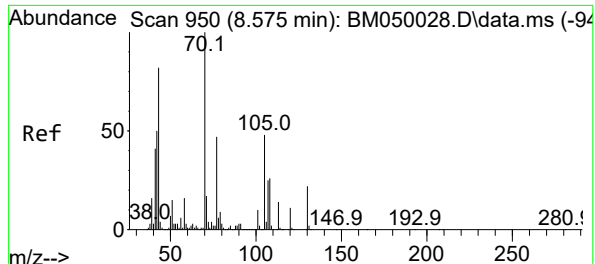
Ion	Ratio	Lower	Upper

117	100		

119	96.6	77.3	115.9

201	128.5	102.8	154.2





#19

n-Nitroso-di-n-propylamine

Concen: 43.579 ng

RT: 8.575 min Scan# 950

Delta R.T. 0.000 min

Lab File: BM050028.D

Acq: 28 Apr 2025 15:06

Instrument :

BNA_M

ClientSampleId :

SSTDICCC040

Tgt Ion: 70 Resp: 483699

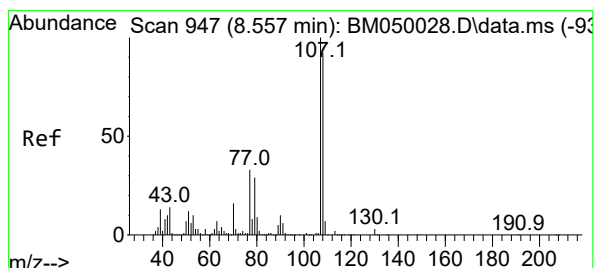
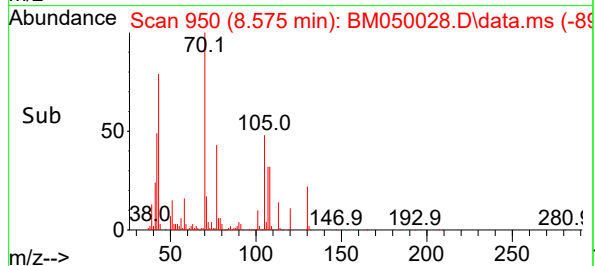
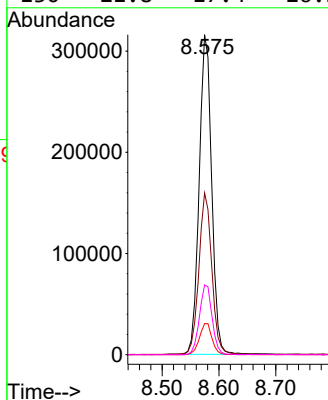
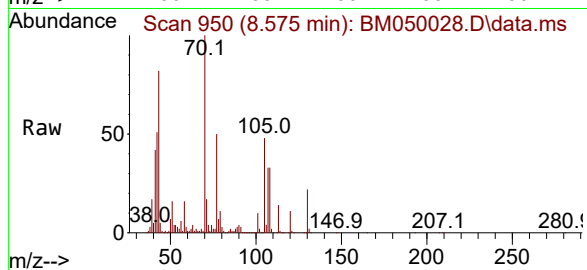
Ion Ratio Lower Upper

70 100

42 50.6 40.5 60.7

101 9.7 7.8 11.6

130 21.8 17.4 26.2



#20

3+4-Methylphenols

Concen: 43.111 ng

RT: 8.557 min Scan# 947

Delta R.T. 0.000 min

Lab File: BM050028.D

Acq: 28 Apr 2025 15:06

Tgt Ion: 107 Resp: 671942

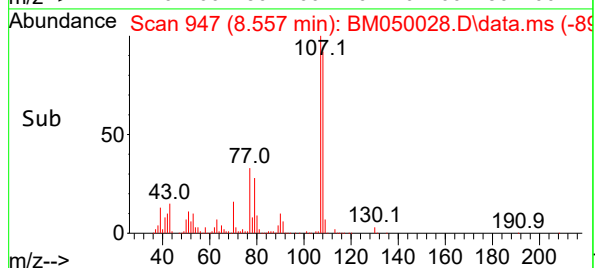
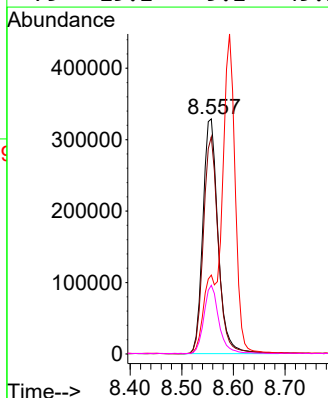
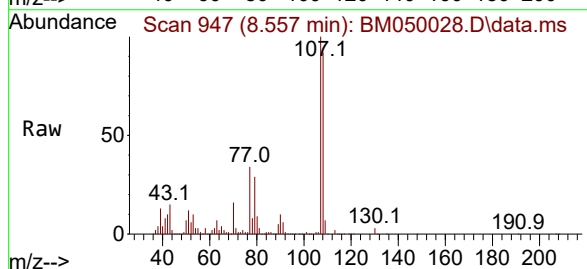
Ion Ratio Lower Upper

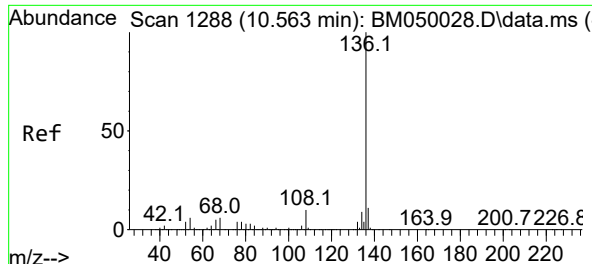
107 100

108 92.4 72.4 112.4

77 33.6 13.6 53.6

79 29.2 9.2 49.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.563 min Scan# 1288

Delta R.T. 0.000 min

Lab File: BM050028.D

Acq: 28 Apr 2025 15:06

Instrument :

BNA_M

ClientSampleId :

SSTDICCC040

Tgt Ion:136 Resp: 890488

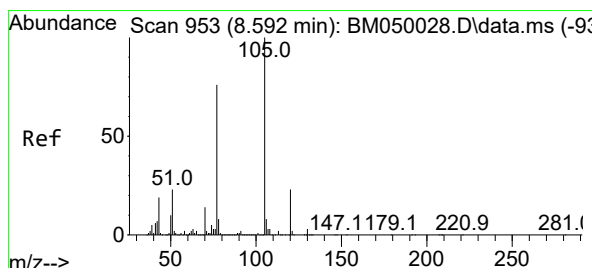
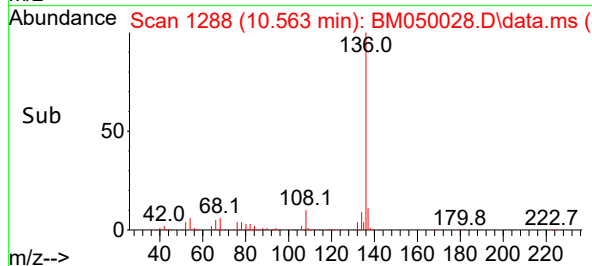
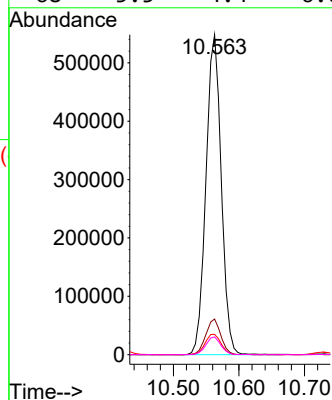
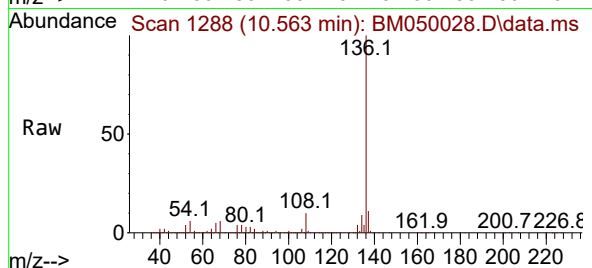
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 6.4 5.1 7.7

68 5.5 4.4 6.6



#22

Acetophenone

Concen: 42.735 ng

RT: 8.592 min Scan# 953

Delta R.T. 0.000 min

Lab File: BM050028.D

Acq: 28 Apr 2025 15:06

Tgt Ion:105 Resp: 946106

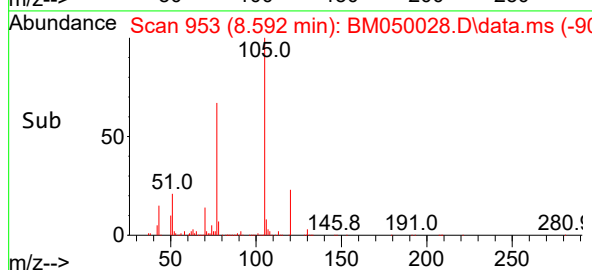
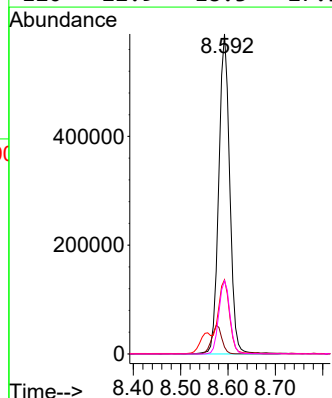
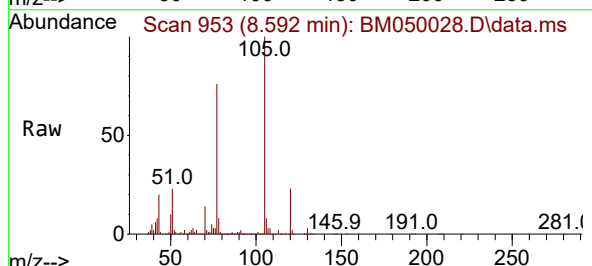
Ion Ratio Lower Upper

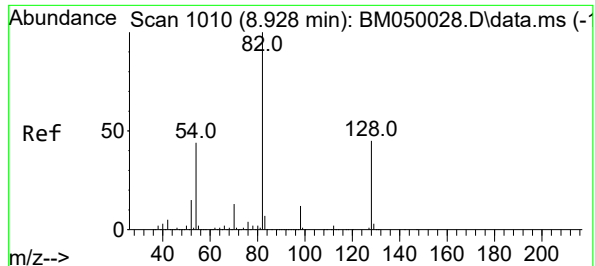
105 100

71 2.1 1.7 2.5

51 23.2 18.6 27.8

120 22.9 18.3 27.5





#23

Nitrobenzene-d5

Concen: 85.620 ng

RT: 8.928 min Scan# 1010

Delta R.T. 0.000 min

Lab File: BM050028.D

Acq: 28 Apr 2025 15:06

Instrument :

BNA_M

ClientSampleId :

SSTDICCC040

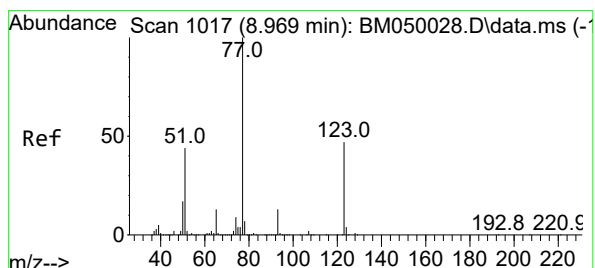
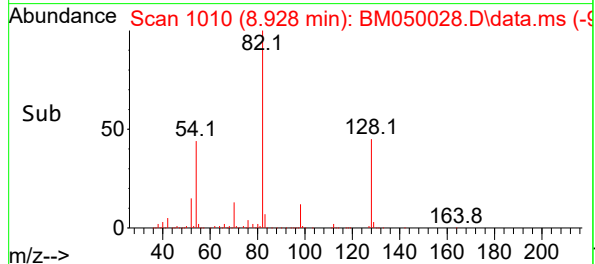
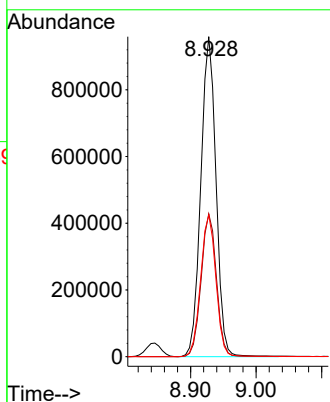
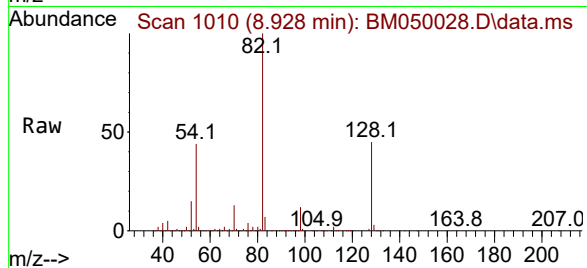
Tgt Ion: 82 Resp: 1547270

Ion Ratio Lower Upper

82 100

128 44.6 35.7 53.5

54 44.3 35.4 53.2



#24

Nitrobenzene

Concen: 42.625 ng

RT: 8.969 min Scan# 1017

Delta R.T. 0.000 min

Lab File: BM050028.D

Acq: 28 Apr 2025 15:06

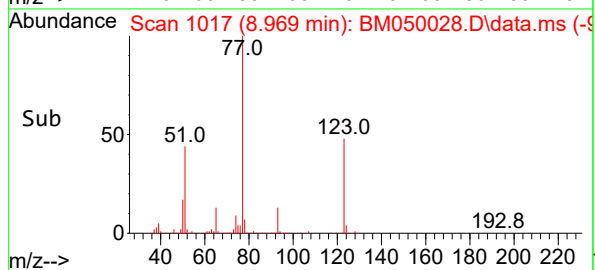
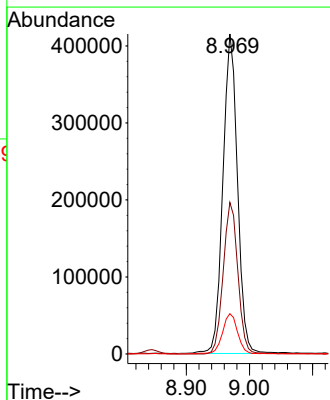
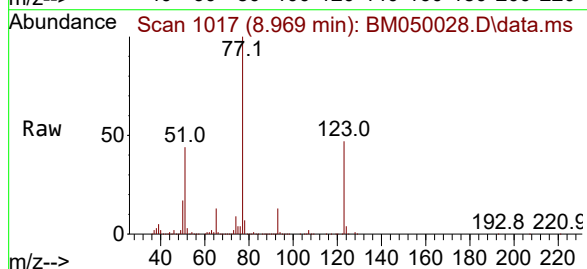
Tgt Ion: 77 Resp: 666034

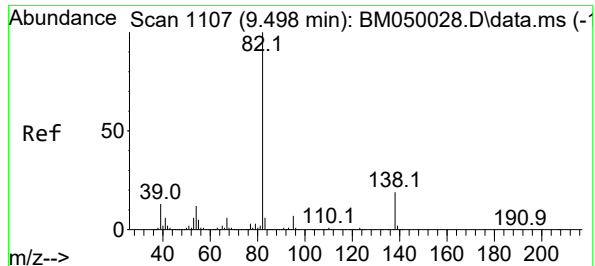
Ion Ratio Lower Upper

77 100

123 47.4 37.9 56.9

65 12.6 10.1 15.1

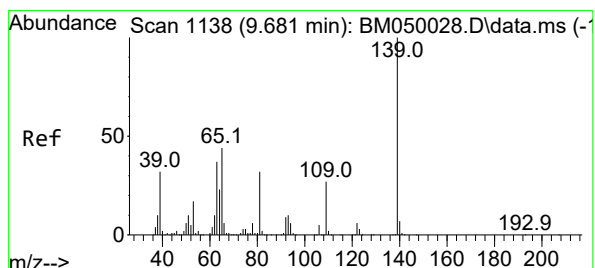
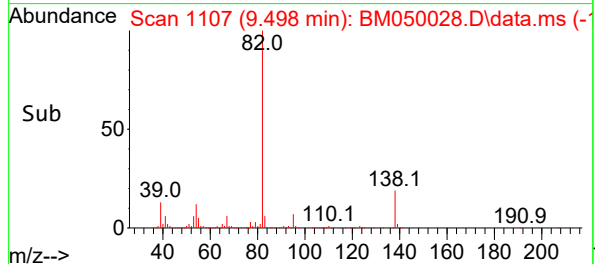
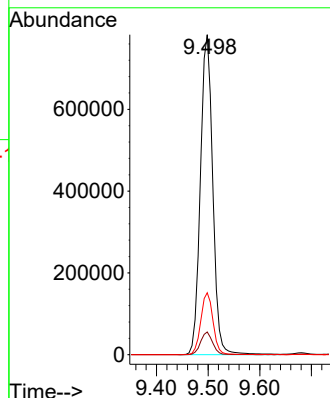
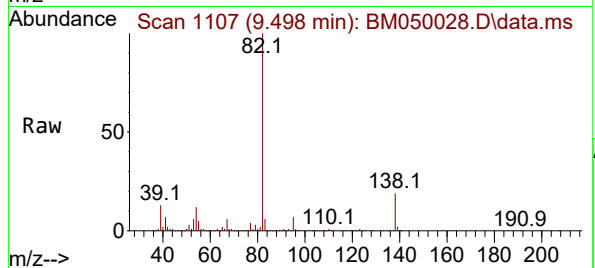




#25
Isophorone
Concen: 42.156 ng
RT: 9.498 min Scan# 1107
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

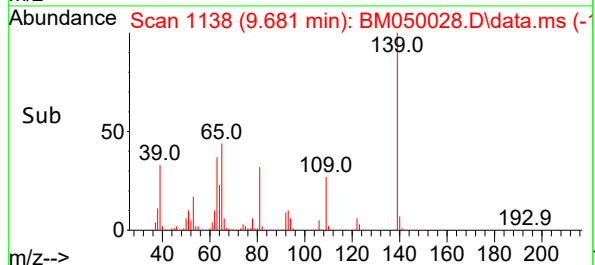
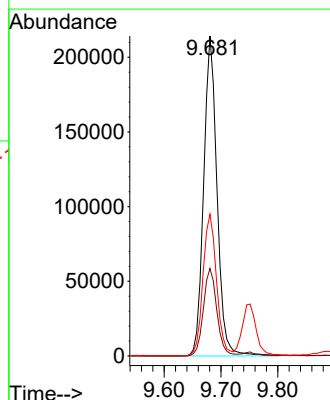
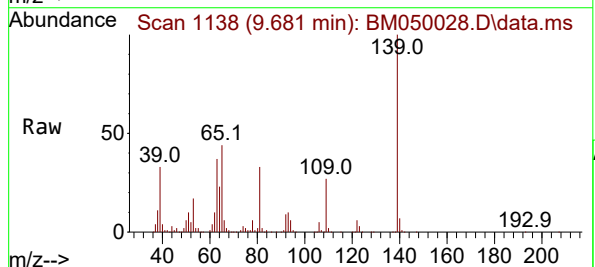
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

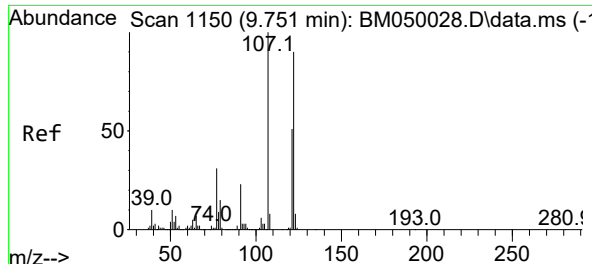
Tgt Ion: 82 Resp: 1298577
Ion Ratio Lower Upper
82 100
95 7.1 5.7 8.5
138 19.4 15.5 23.3



#26
2-Nitrophenol
Concen: 43.827 ng
RT: 9.681 min Scan# 1138
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion: 139 Resp: 349855
Ion Ratio Lower Upper
139 100
109 27.4 21.9 32.9
65 44.3 35.4 53.2





#27

2,4-Dimethylphenol

Concen: 43.552 ng

RT: 9.751 min Scan# 1150

Delta R.T. 0.000 min

Lab File: BM050028.D

Acq: 28 Apr 2025 15:06

Instrument :

BNA_M

ClientSampleId :

SSTDICCC040

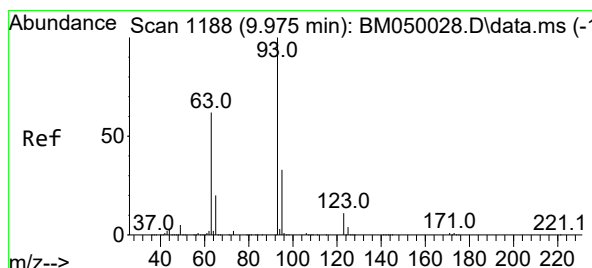
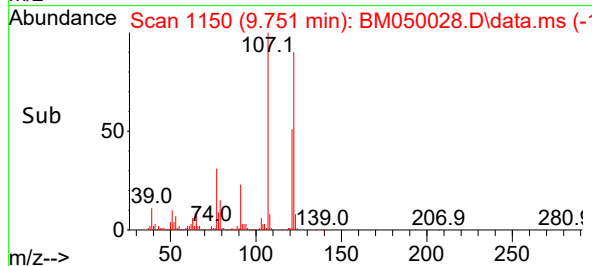
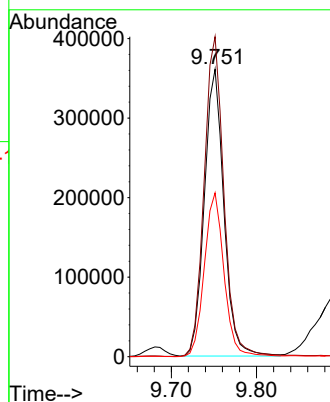
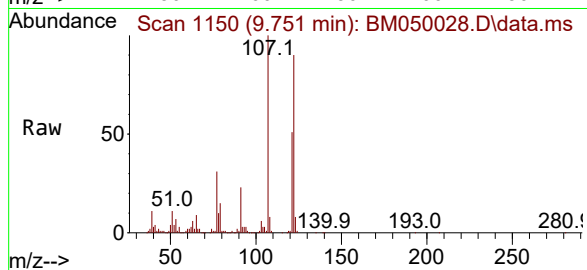
Tgt Ion:122 Resp: 576549

Ion Ratio Lower Upper

122 100

107 111.3 89.0 133.6

121 57.0 45.6 68.4



#28

bis(2-Chloroethoxy)methane

Concen: 42.518 ng

RT: 9.975 min Scan# 1188

Delta R.T. 0.000 min

Lab File: BM050028.D

Acq: 28 Apr 2025 15:06

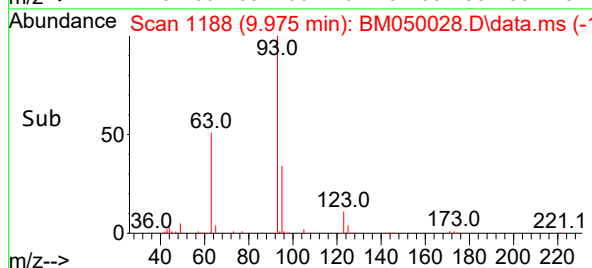
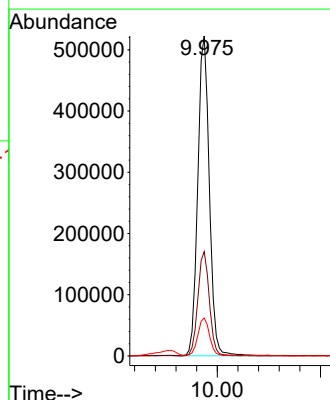
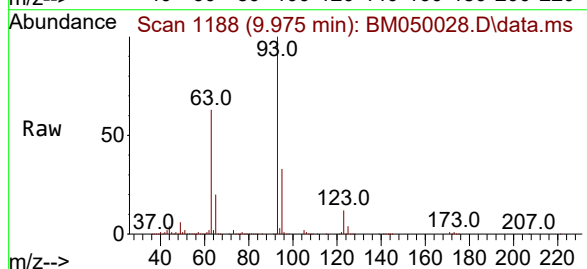
Tgt Ion: 93 Resp: 809528

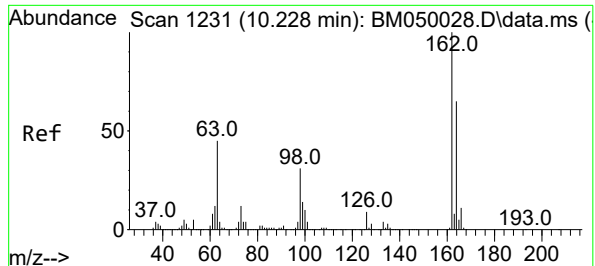
Ion Ratio Lower Upper

93 100

95 32.6 26.1 39.1

123 11.9 9.5 14.3





#29

2,4-Dichlorophenol

Concen: 43.461 ng

RT: 10.228 min Scan# 1231

Delta R.T. 0.000 min

Lab File: BM050028.D

Acq: 28 Apr 2025 15:06

Instrument :

BNA_M

ClientSampleId :

SSTDICCC040

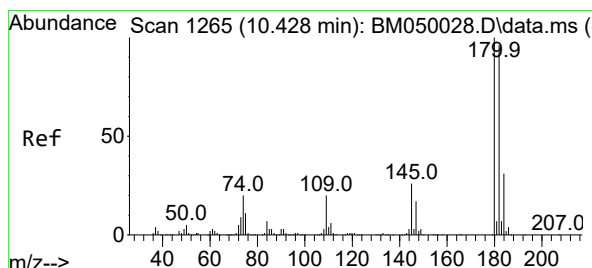
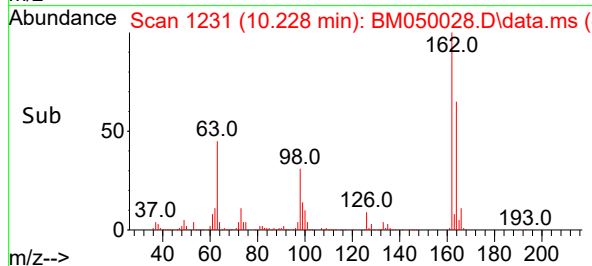
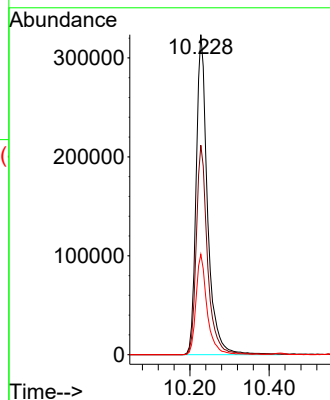
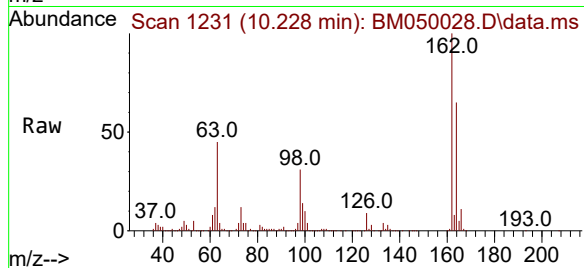
Tgt Ion:162 Resp: 644546

Ion Ratio Lower Upper

162 100

164 65.4 45.4 85.4

98 31.3 11.3 51.3



#30

1,2,4-Trichlorobenzene

Concen: 42.060 ng

RT: 10.428 min Scan# 1265

Delta R.T. 0.000 min

Lab File: BM050028.D

Acq: 28 Apr 2025 15:06

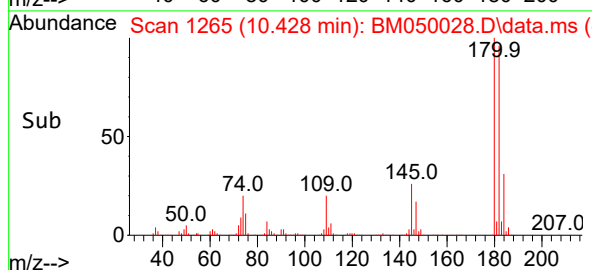
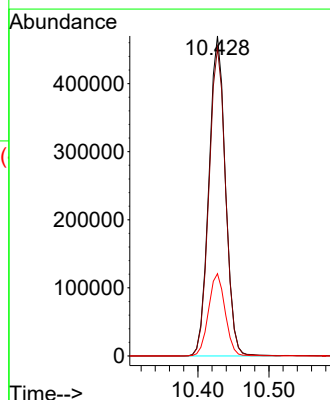
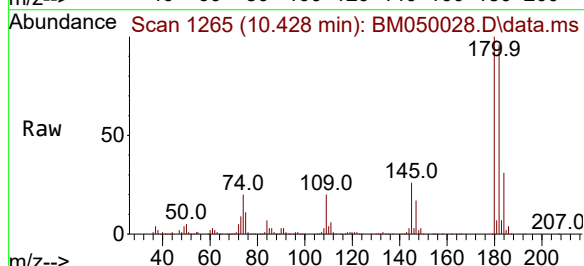
Tgt Ion:180 Resp: 759987

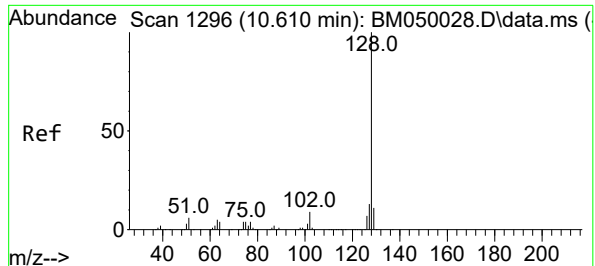
Ion Ratio Lower Upper

180 100

182 96.2 77.0 115.4

145 25.7 20.6 30.8

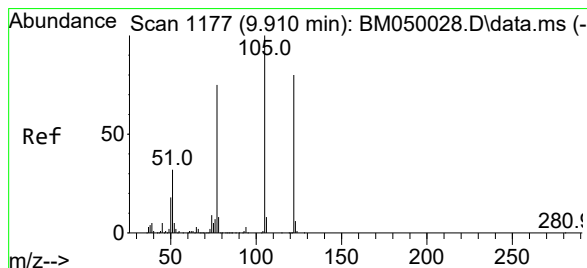
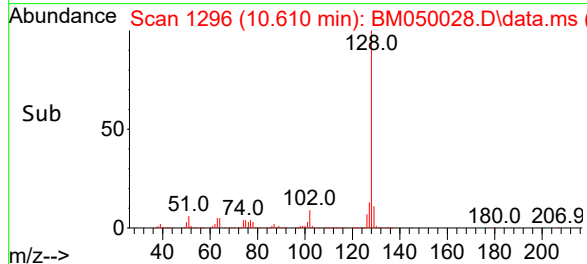
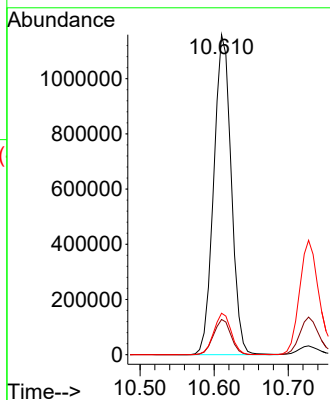
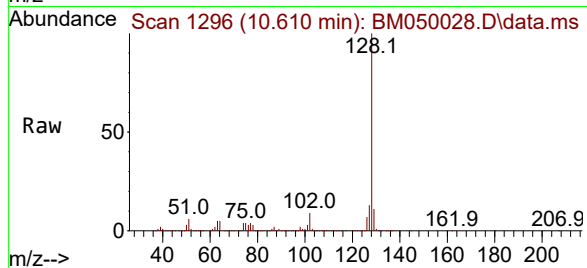




#31
Naphthalene
Concen: 42.100 ng
RT: 10.610 min Scan# 1296
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

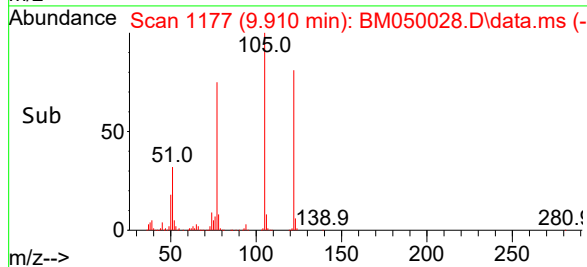
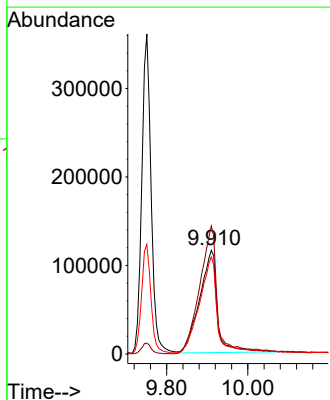
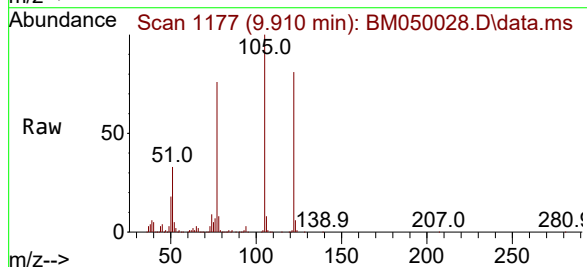
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

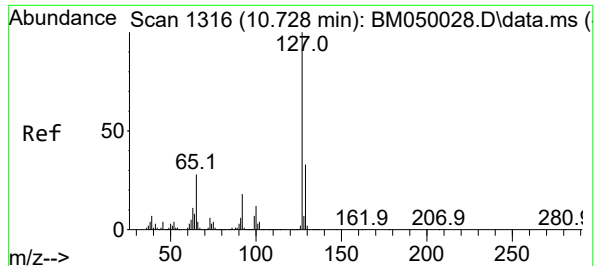
Tgt Ion:128 Resp: 1898588
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 13.0 10.4 15.6



#32
Benzoic acid
Concen: 41.613 ng
RT: 9.910 min Scan# 1177
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:122 Resp: 351345
Ion Ratio Lower Upper
122 100
105 123.6 103.6 143.6
77 93.7 73.7 113.7

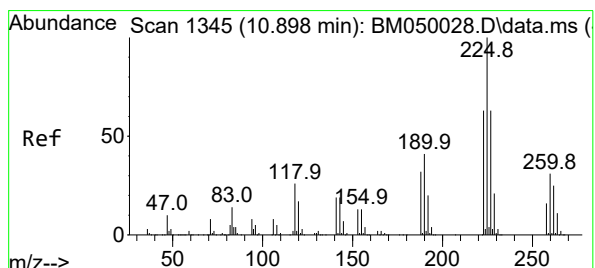
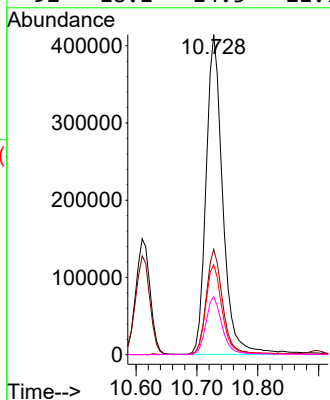
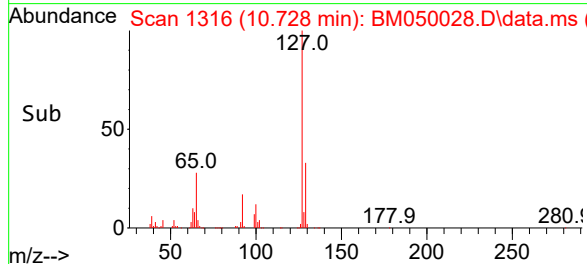
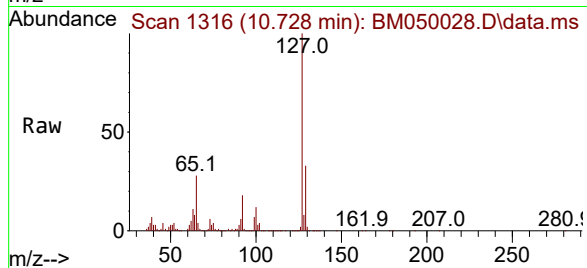




#33
4-Chloroaniline
Concen: 42.448 ng
RT: 10.728 min Scan# 1316
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

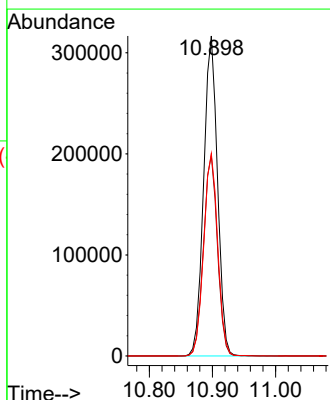
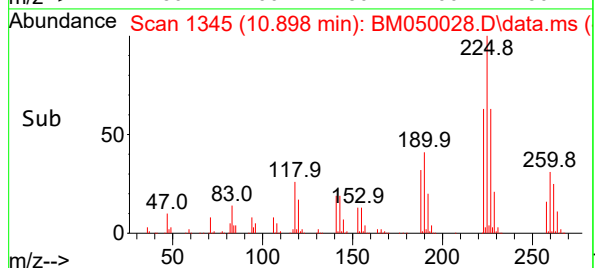
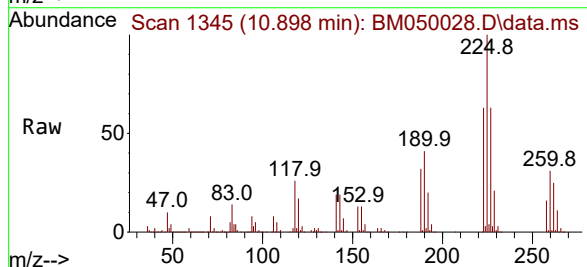
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

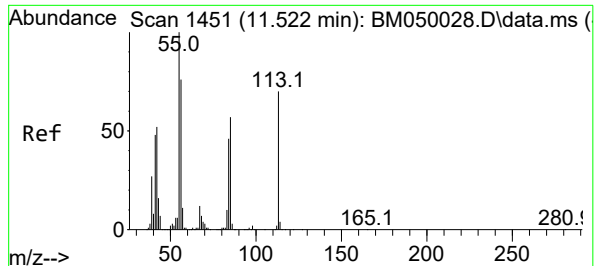
Tgt Ion:	127	Resp:	784625
Ion	Ratio	Lower	Upper
127	100		
129	32.9	26.3	39.5
65	28.1	22.5	33.7
92	18.1	14.5	21.7



#34
Hexachlorobutadiene
Concen: 41.981 ng
RT: 10.898 min Scan# 1345
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:	225	Resp:	481510
Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.2	75.2
227	63.3	50.6	76.0

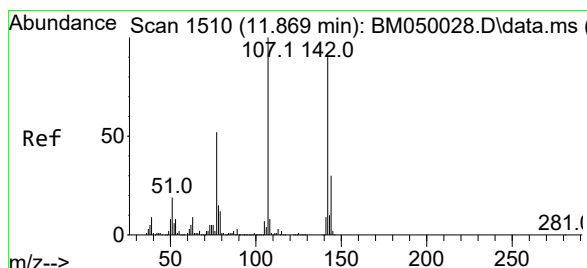
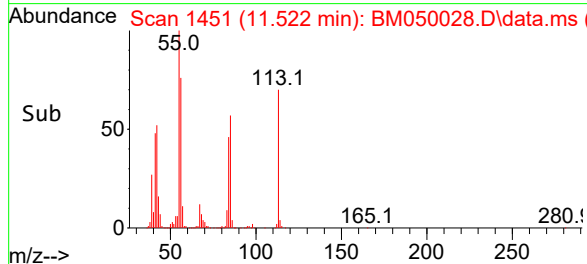
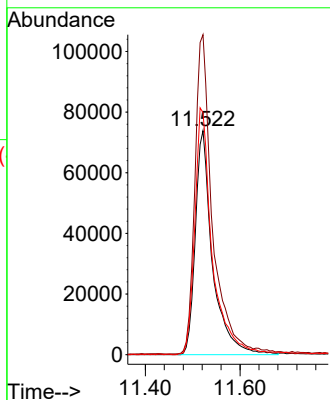
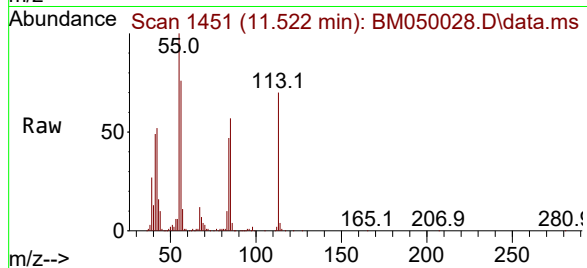




#35
Caprolactam
Concen: 43.010 ng
RT: 11.522 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

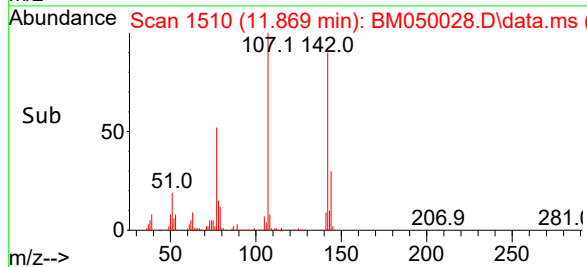
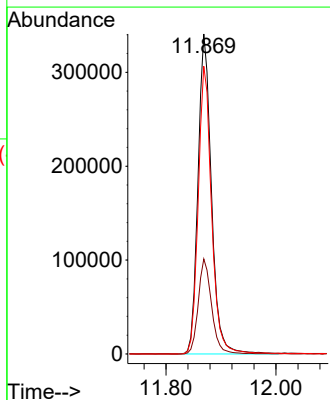
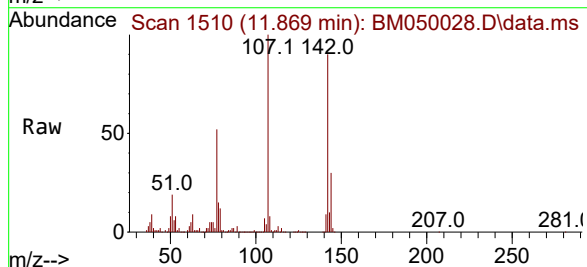
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

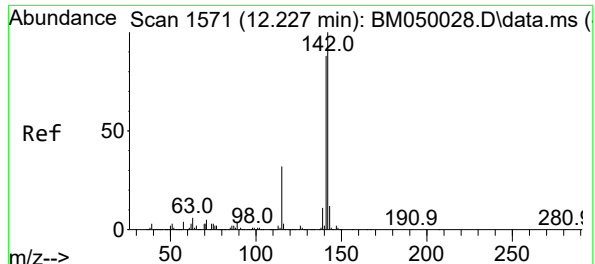
Tgt Ion:113 Resp: 185984
Ion Ratio Lower Upper
113 100
55 142.9 122.9 162.9
56 108.1 88.1 128.1



#36
4-Chloro-3-methylphenol
Concen: 42.293 ng
RT: 11.869 min Scan# 1510
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:107 Resp: 579492
Ion Ratio Lower Upper
107 100
144 29.7 23.8 35.6
142 89.9 71.9 107.9

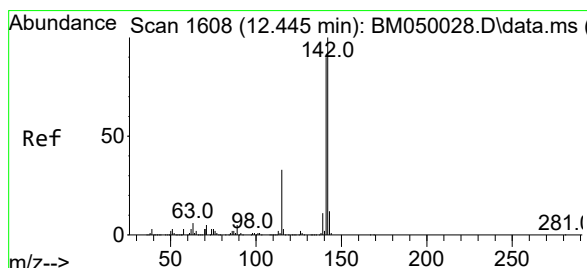
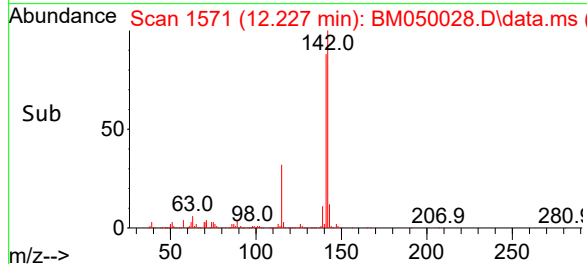
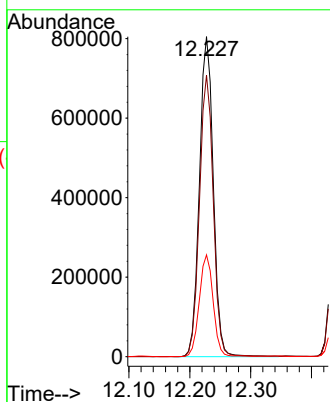
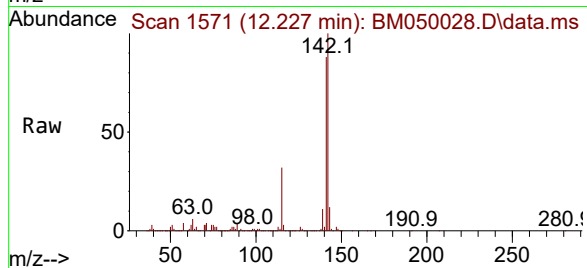




#37
2-Methylnaphthalene
Concen: 41.973 ng
RT: 12.227 min Scan# 1571
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

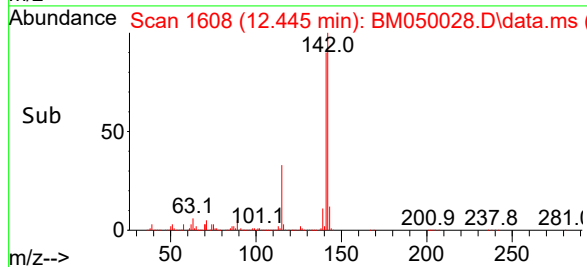
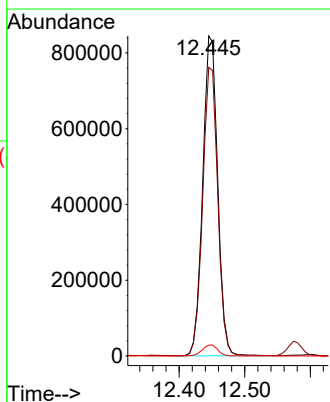
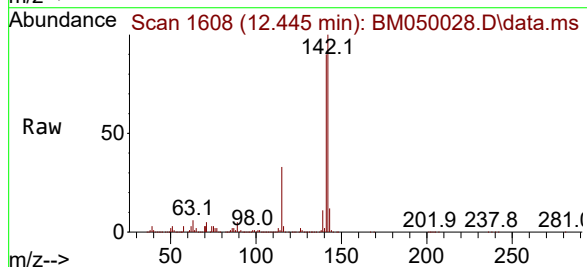
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

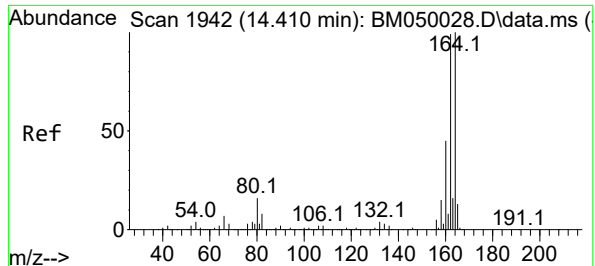
Tgt Ion:142 Resp: 1269061
Ion Ratio Lower Upper
142 100
141 88.0 70.4 105.6
115 31.8 25.4 38.2



#38
1-Methylnaphthalene
Concen: 41.928 ng
RT: 12.445 min Scan# 1608
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:142 Resp: 1341577
Ion Ratio Lower Upper
142 100
141 90.1 72.1 108.1
116 3.4 2.7 4.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.410 min Scan# 1942

Delta R.T. -0.000 min

Lab File: BM050028.D

Acq: 28 Apr 2025 15:06

Instrument :

BNA_M

ClientSampleId :

SSTDICCC040

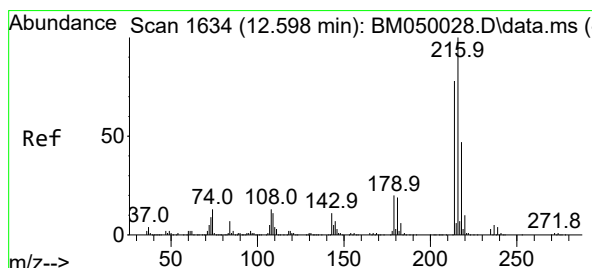
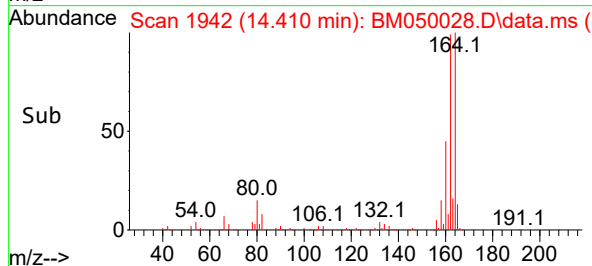
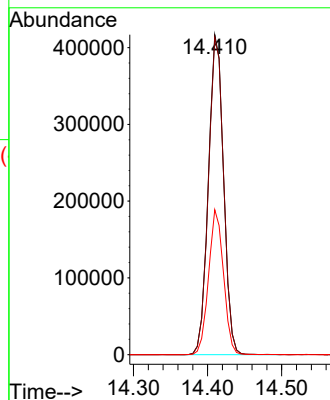
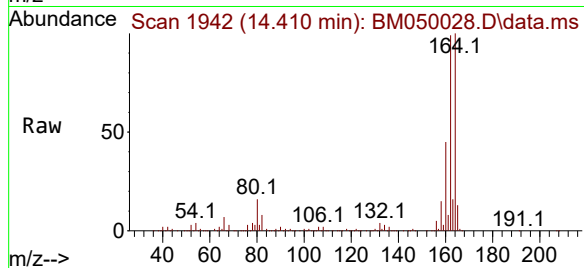
Tgt Ion:164 Resp: 591599

Ion Ratio Lower Upper

164 100

162 99.2 79.4 119.0

160 45.3 36.2 54.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 42.894 ng

RT: 12.598 min Scan# 1634

Delta R.T. 0.000 min

Lab File: BM050028.D

Acq: 28 Apr 2025 15:06

Tgt Ion:216 Resp: 878448

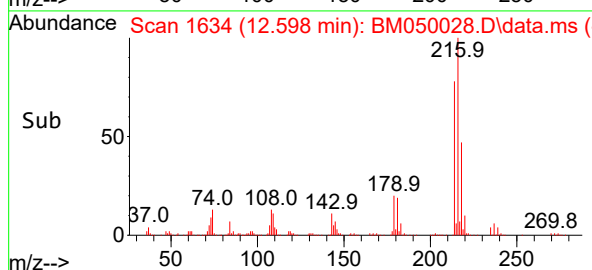
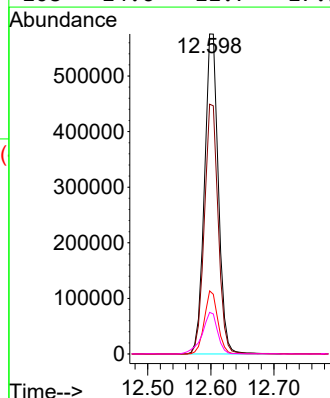
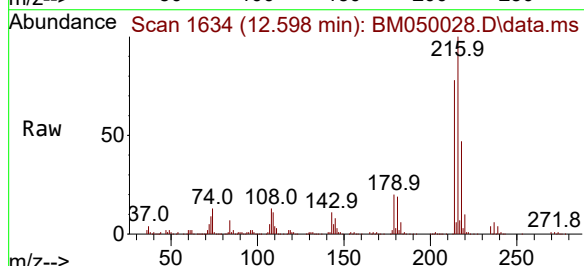
Ion Ratio Lower Upper

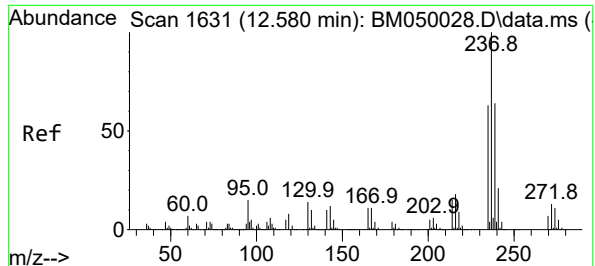
216 100

214 77.9 62.3 93.5

179 19.2 15.4 23.0

108 14.6 11.7 17.5

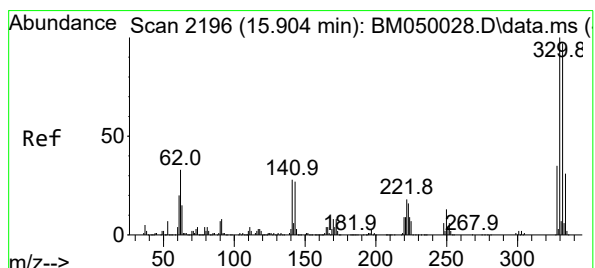
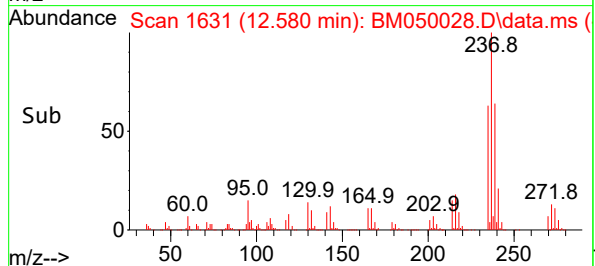
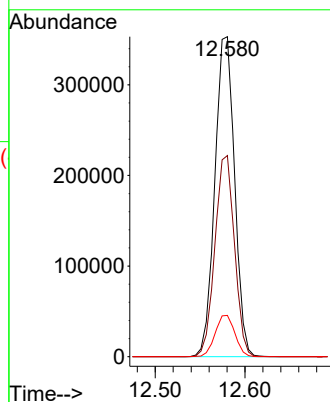
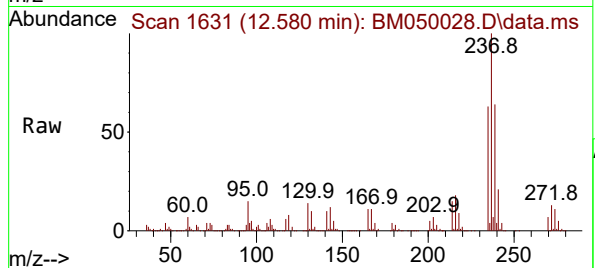




#41
Hexachlorocyclopentadiene
Concen: 43.050 ng
RT: 12.580 min Scan# 1631
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

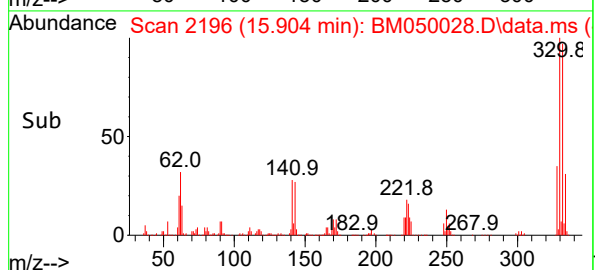
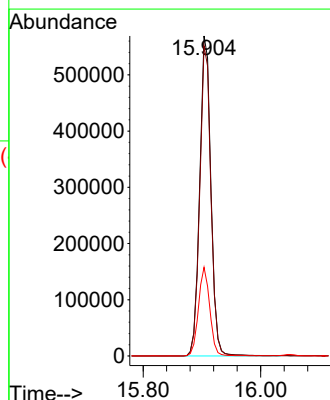
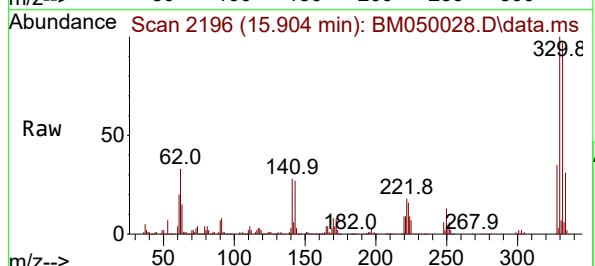
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

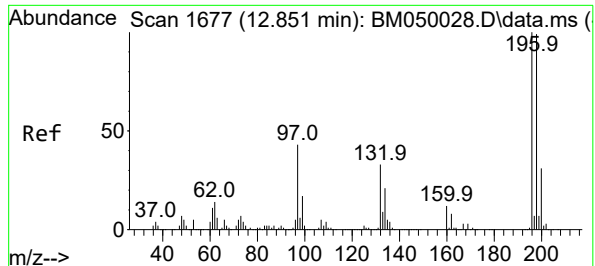
Tgt Ion:237 Resp: 538788
Ion Ratio Lower Upper
237 100
235 62.9 42.9 82.9
272 12.9 0.0 32.9



#42
2,4,6-Tribromophenol
Concen: 85.958 ng
RT: 15.904 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:330 Resp: 751927
Ion Ratio Lower Upper
330 100
332 96.6 77.3 115.9
141 28.1 22.5 33.7





#43

2,4,6-Trichlorophenol

Concen: 43.368 ng

RT: 12.851 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM050028.D

Acq: 28 Apr 2025 15:06

Instrument :

BNA_M

ClientSampleId :

SSTDICCC040

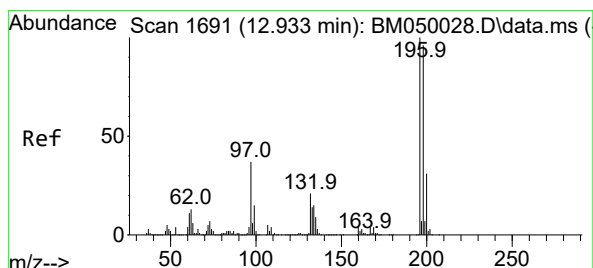
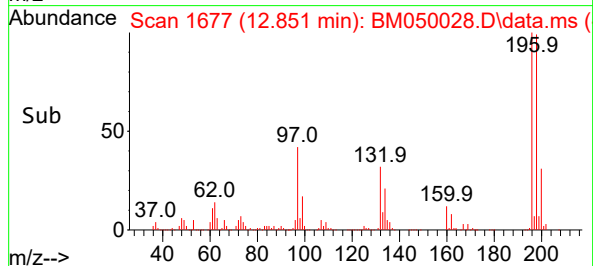
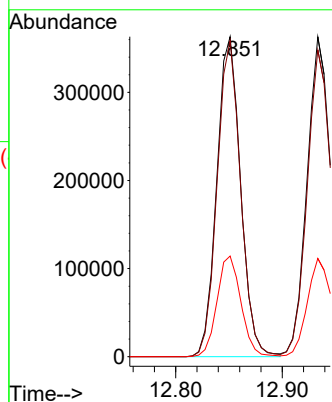
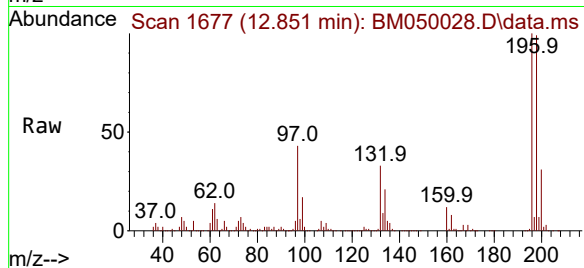
Tgt Ion:196 Resp: 563324

Ion Ratio Lower Upper

196 100

198 98.8 79.0 118.6

200 31.4 25.1 37.7



#44

2,4,5-Trichlorophenol

Concen: 43.706 ng

RT: 12.933 min Scan# 1691

Delta R.T. 0.000 min

Lab File: BM050028.D

Acq: 28 Apr 2025 15:06

Tgt Ion:196 Resp: 612194

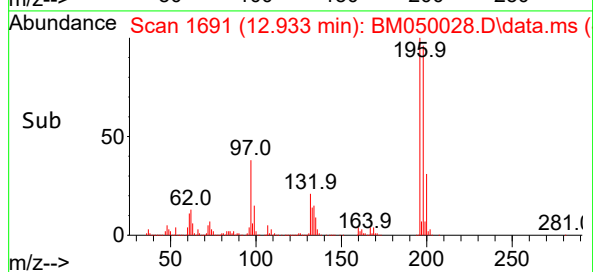
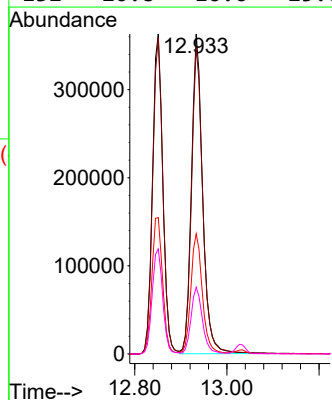
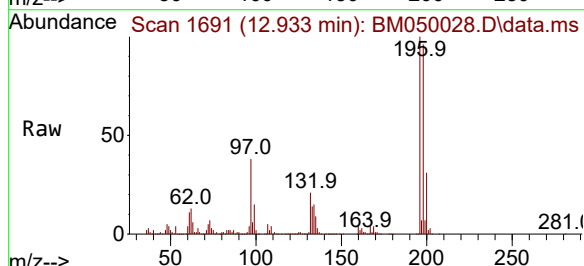
Ion Ratio Lower Upper

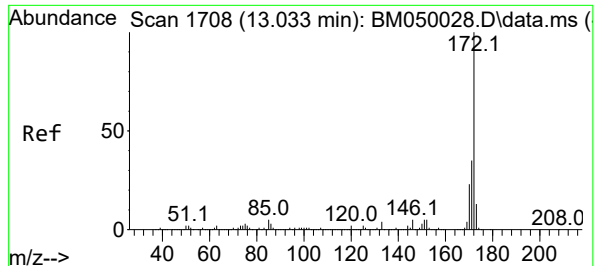
196 100

198 95.9 76.7 115.1

97 37.6 30.1 45.1

132 20.8 16.6 25.0

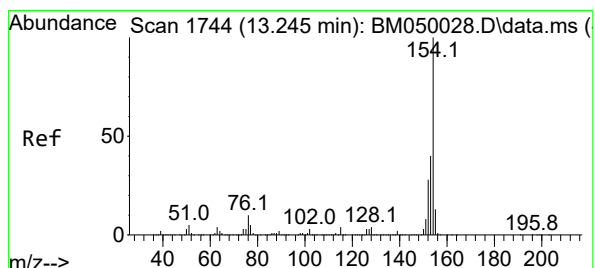
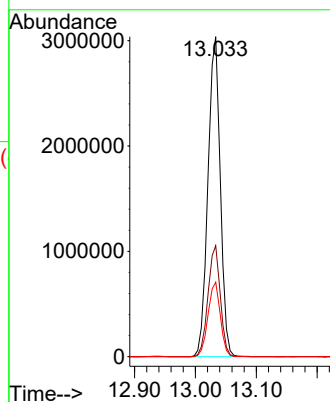
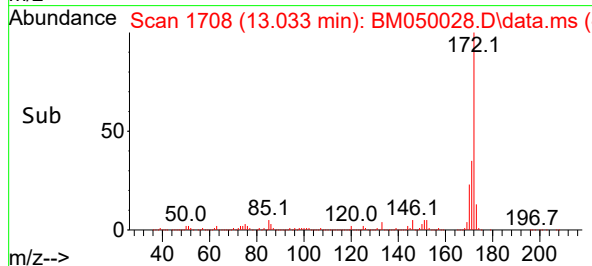
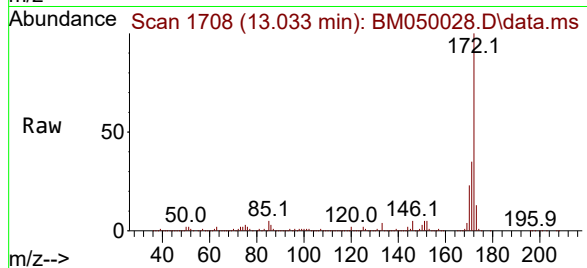




#45
2-Fluorobiphenyl
Concen: 85.489 ng
RT: 13.033 min Scan# 1708
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

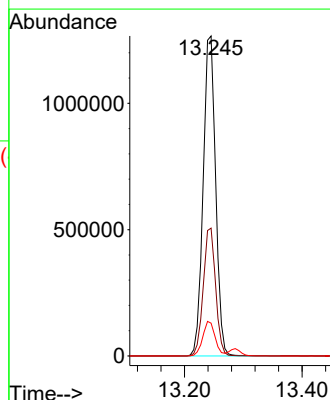
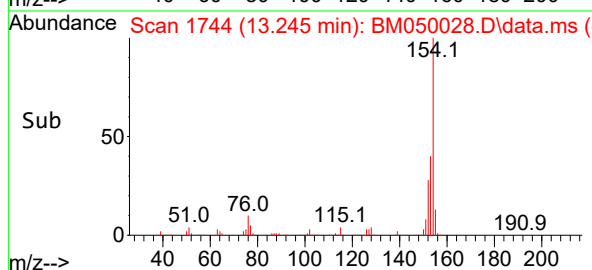
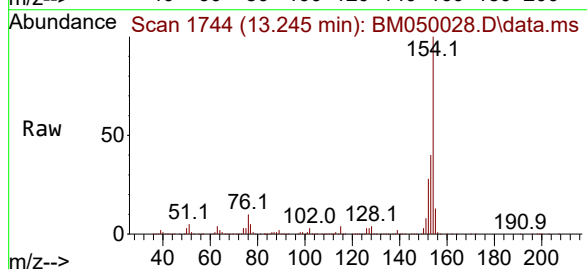
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

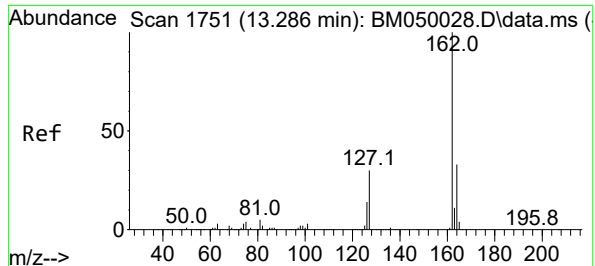
Tgt Ion:172 Resp: 4275240
Ion Ratio Lower Upper
172 100
171 34.7 27.8 41.6
170 23.3 18.6 28.0



#46
1,1'-Biphenyl
Concen: 42.309 ng
RT: 13.245 min Scan# 1744
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:154 Resp: 1860581
Ion Ratio Lower Upper
154 100
153 40.0 20.0 60.0
76 10.3 0.0 30.3





#47

2-Chloronaphthalene

Concen: 42.480 ng

RT: 13.286 min Scan# 1751

Delta R.T. 0.000 min

Lab File: BM050028.D

Acq: 28 Apr 2025 15:06

Instrument :

BNA_M

ClientSampleId :

SSTDICCC040

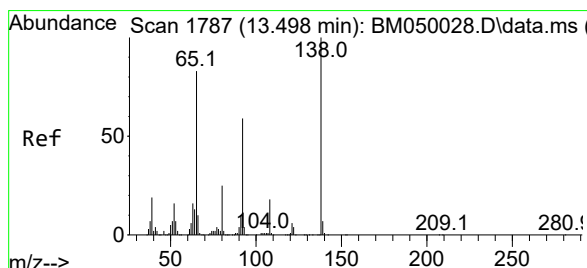
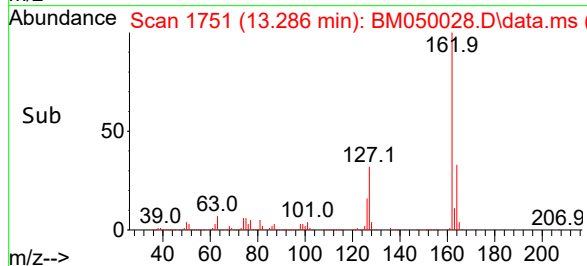
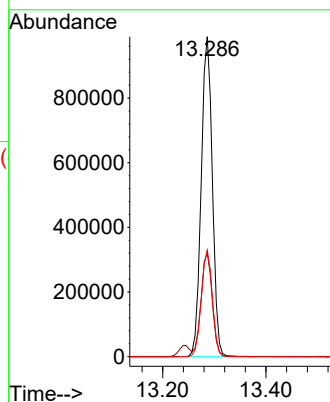
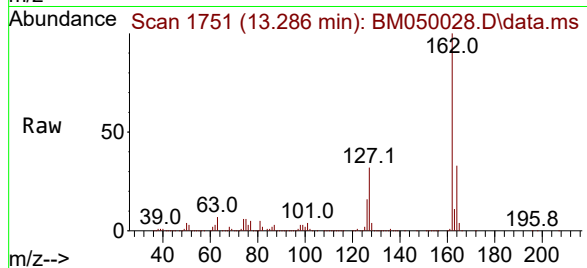
Tgt Ion:162 Resp: 1479560

Ion Ratio Lower Upper

162 100

127 32.4 25.9 38.9

164 33.3 26.6 40.0



#48

2-Nitroaniline

Concen: 43.684 ng

RT: 13.498 min Scan# 1787

Delta R.T. 0.000 min

Lab File: BM050028.D

Acq: 28 Apr 2025 15:06

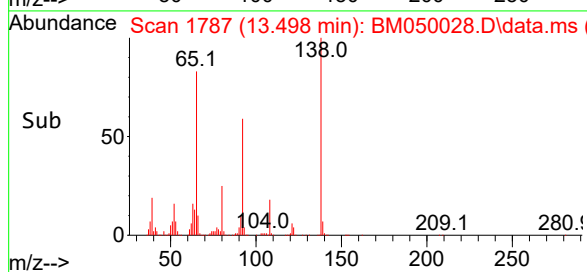
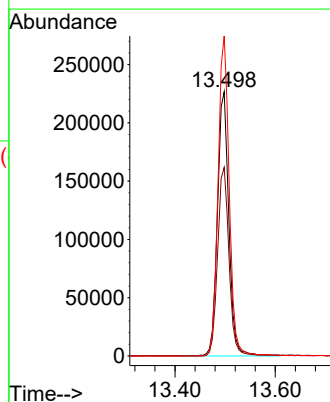
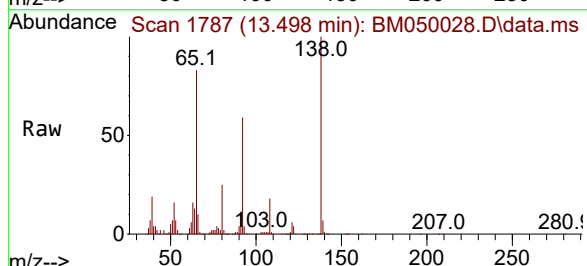
Tgt Ion: 65 Resp: 357098

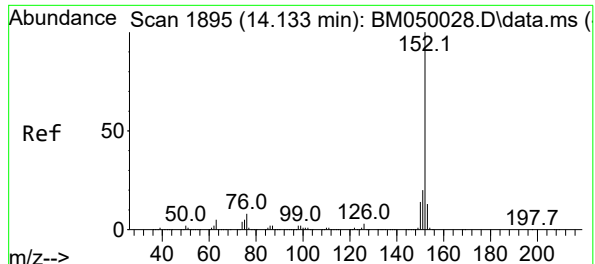
Ion Ratio Lower Upper

65 100

92 71.4 57.1 85.7

138 121.2 97.0 145.4





#49

Acenaphthylene

Concen: 42.478 ng

RT: 14.133 min Scan# 1895

Delta R.T. 0.000 min

Lab File: BM050028.D

Acq: 28 Apr 2025 15:06

Instrument :

BNA_M

ClientSampleId :

SSTDICCC040

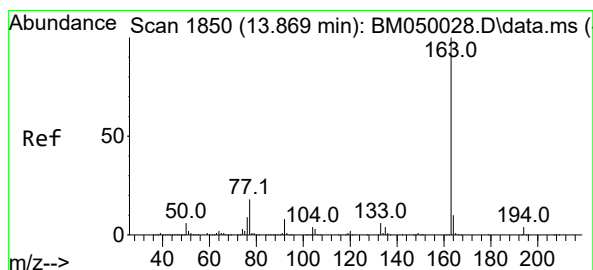
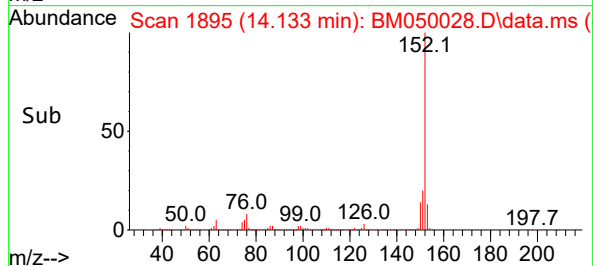
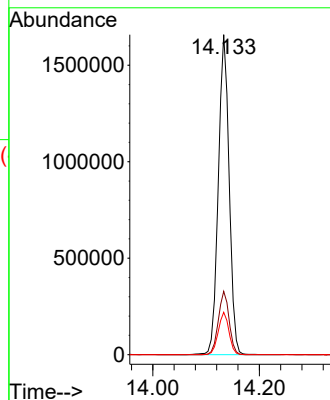
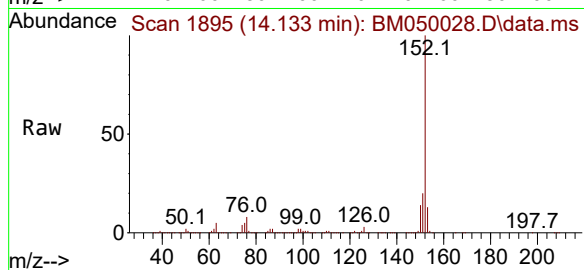
Tgt Ion:152 Resp: 2332675

Ion Ratio Lower Upper

152 100

151 19.8 15.8 23.8

153 13.2 10.6 15.8



#50

Dimethylphthalate

Concen: 41.918 ng

RT: 13.869 min Scan# 1850

Delta R.T. 0.000 min

Lab File: BM050028.D

Acq: 28 Apr 2025 15:06

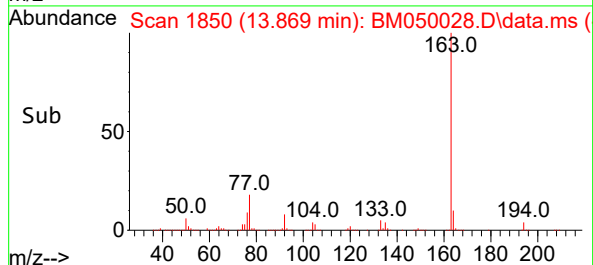
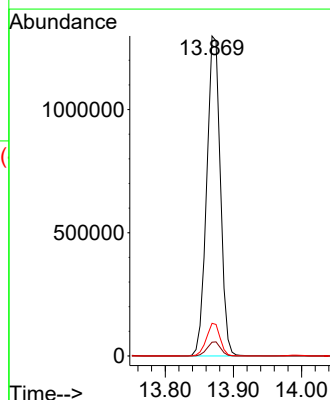
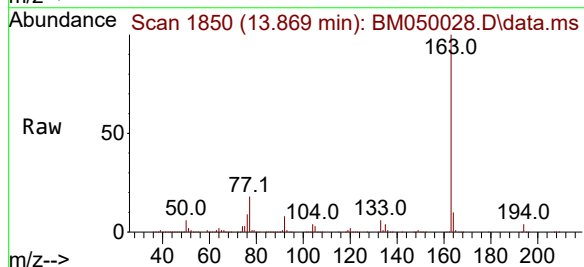
Tgt Ion:163 Resp: 1812335

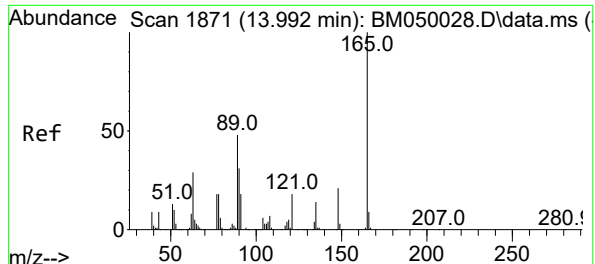
Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

164 10.2 8.2 12.2

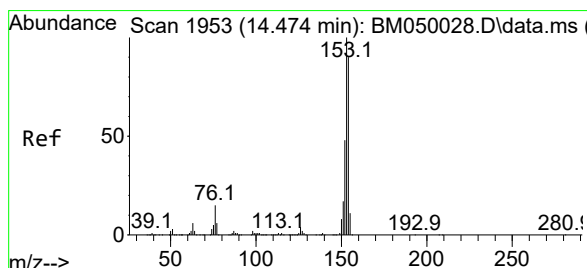
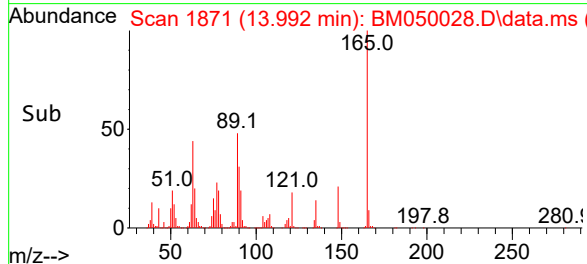
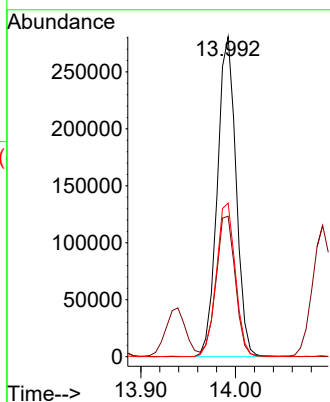
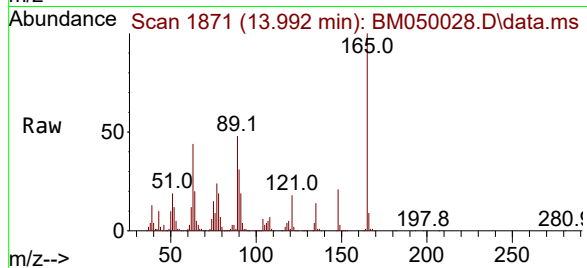




#51
2,6-Dinitrotoluene
Concen: 43.191 ng
RT: 13.992 min Scan# 1871
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

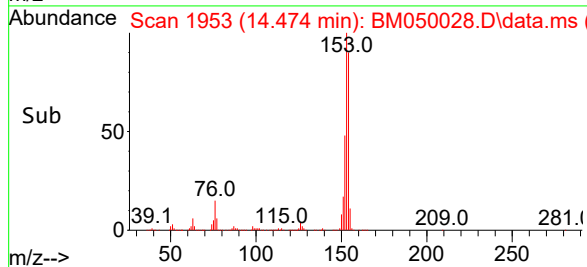
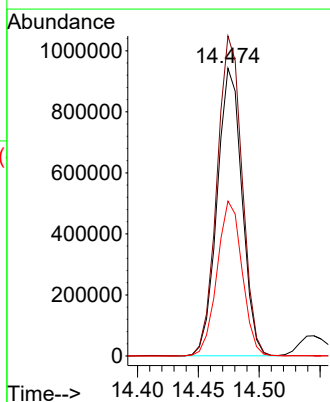
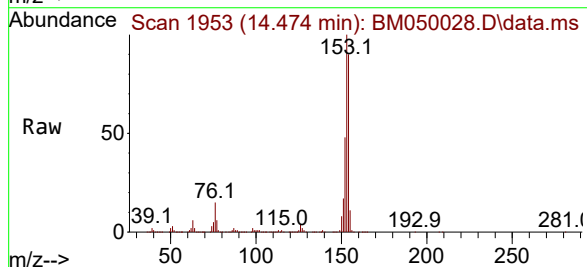
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

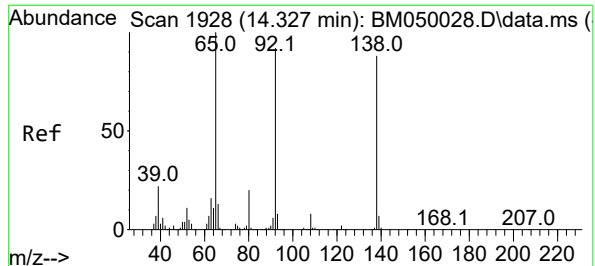
Tgt Ion:165 Resp: 386623
Ion Ratio Lower Upper
165 100
63 43.9 35.1 52.7
89 48.0 38.4 57.6



#52
Acenaphthene
Concen: 42.186 ng
RT: 14.474 min Scan# 1953
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:154 Resp: 1340946
Ion Ratio Lower Upper
154 100
153 111.2 89.0 133.4
152 53.8 43.0 64.6

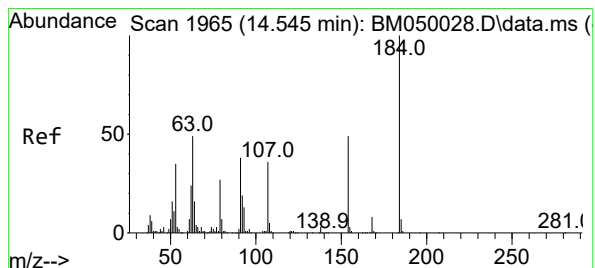
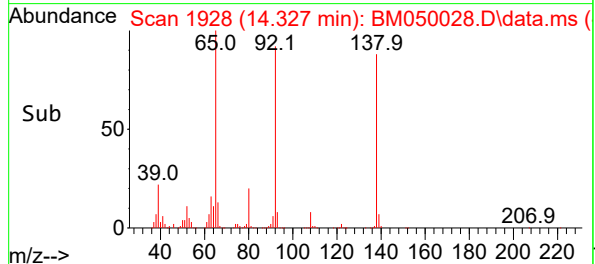
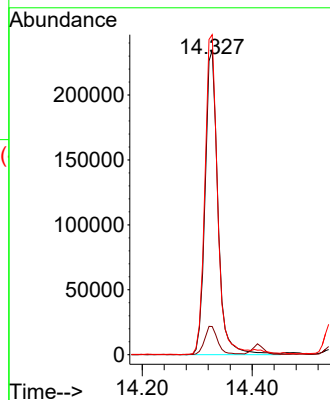
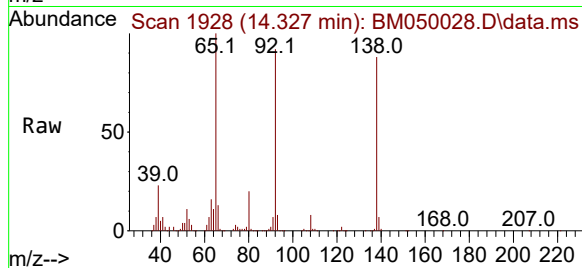




#53
3-Nitroaniline
Concen: 44.389 ng
RT: 14.327 min Scan# 1928
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

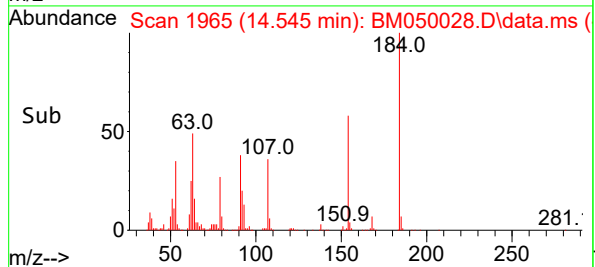
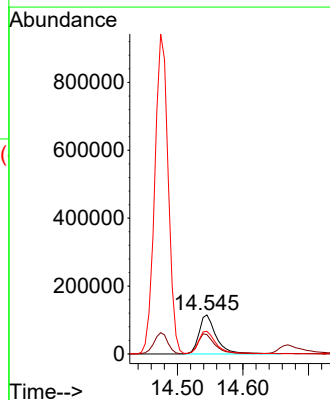
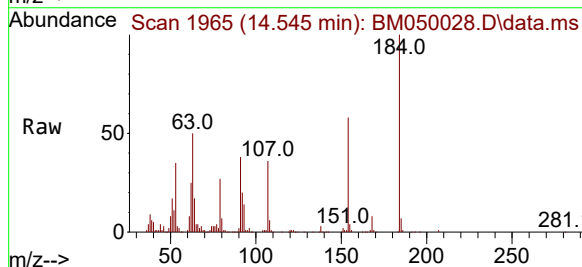
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

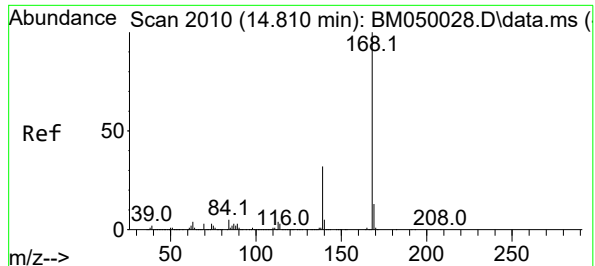
Tgt Ion:138 Resp: 379359
Ion Ratio Lower Upper
138 100
108 9.3 7.4 11.2
92 105.0 84.0 126.0



#54
2,4-Dinitrophenol
Concen: 39.788 ng
RT: 14.545 min Scan# 1965
Delta R.T. -0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:184 Resp: 210115
Ion Ratio Lower Upper
184 100
63 49.7 39.8 59.6
154 57.6 46.1 69.1

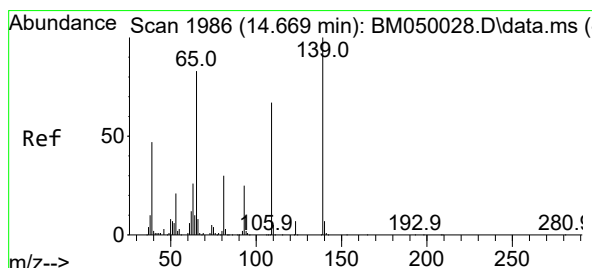
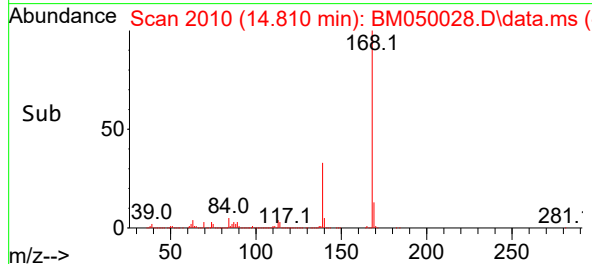
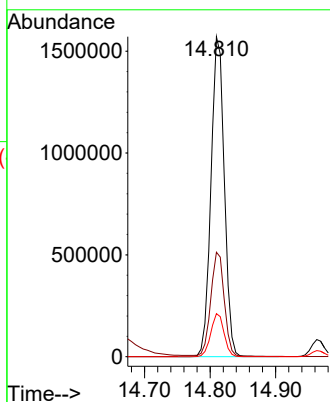
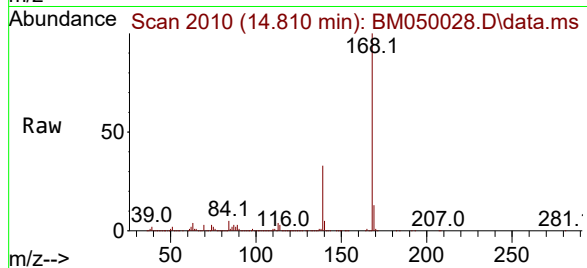




#55
Dibenzenofuran
Concen: 41.961 ng
RT: 14.810 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

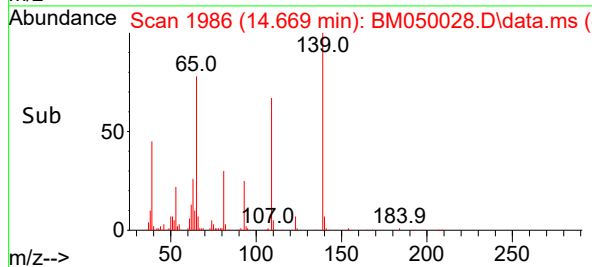
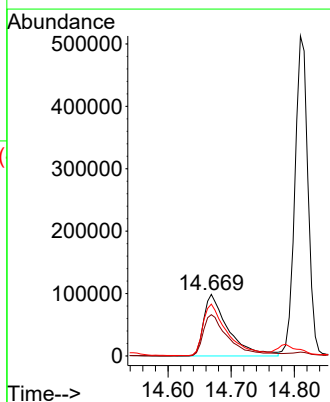
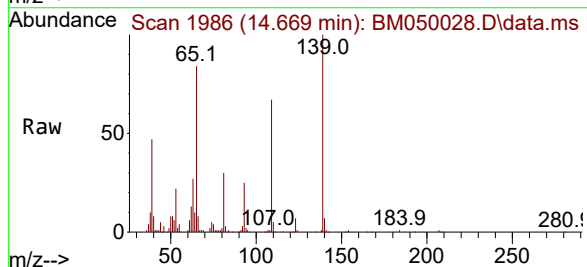
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

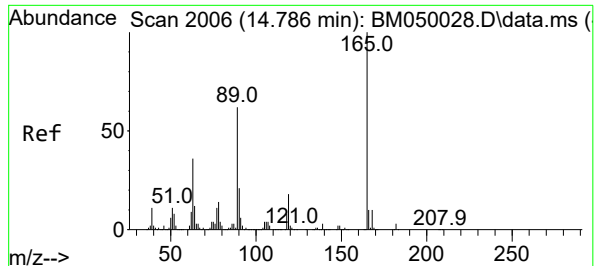
Tgt Ion:168 Resp: 2219206
Ion Ratio Lower Upper
168 100
139 32.6 26.1 39.1
169 13.5 10.8 16.2



#56
4-Nitrophenol
Concen: 40.483 ng
RT: 14.669 min Scan# 1986
Delta R.T. -0.001 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:139 Resp: 264964
Ion Ratio Lower Upper
139 100
109 67.0 47.0 87.0
65 84.3 64.3 104.3

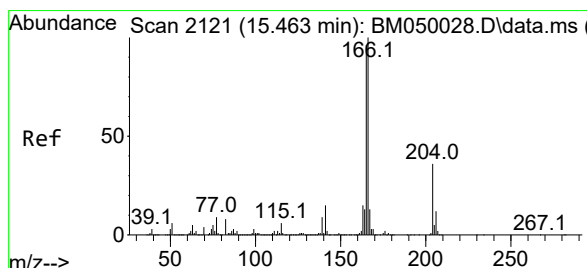
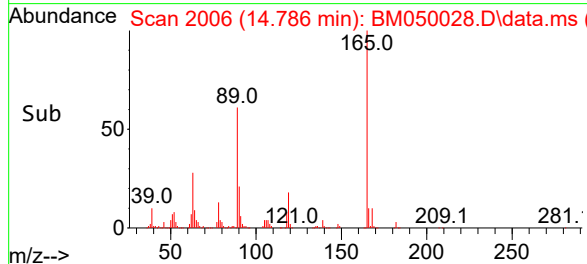
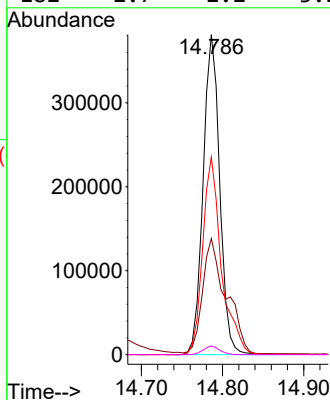
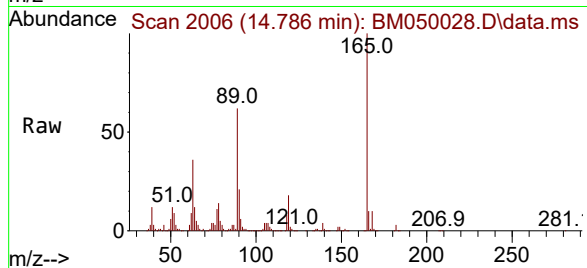




#57
2,4-Dinitrotoluene
Concen: 43.646 ng
RT: 14.786 min Scan# 2006
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

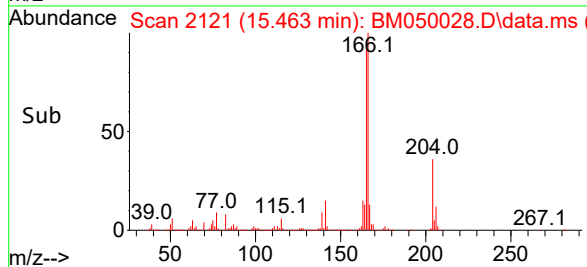
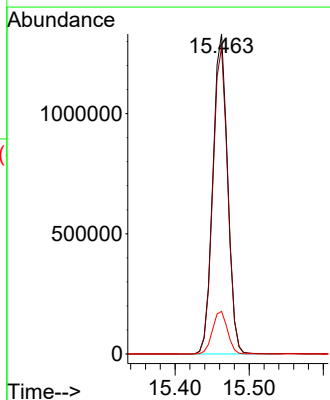
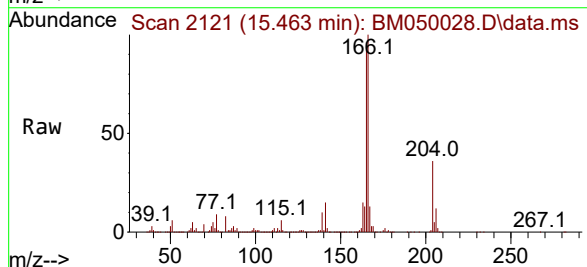
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

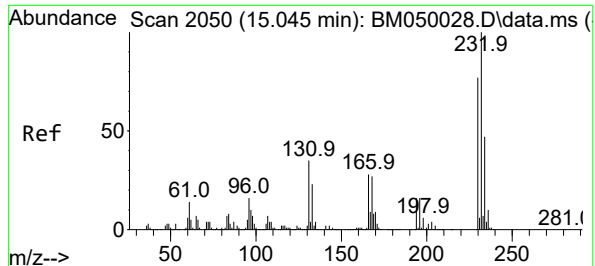
Tgt Ion:165 Resp: 539867
Ion Ratio Lower Upper
165 100
63 36.3 29.0 43.6
89 61.8 49.4 74.2
182 2.7 2.2 3.2



#58
Fluorene
Concen: 42.580 ng
RT: 15.463 min Scan# 2121
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:166 Resp: 1843261
Ion Ratio Lower Upper
166 100
165 95.8 76.6 115.0
167 13.3 10.6 16.0

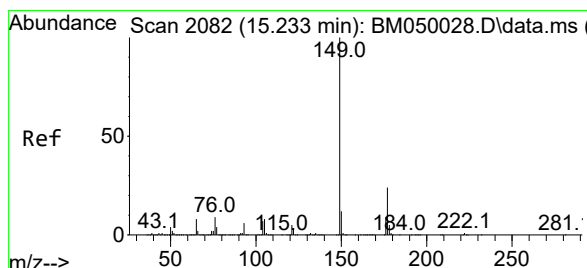
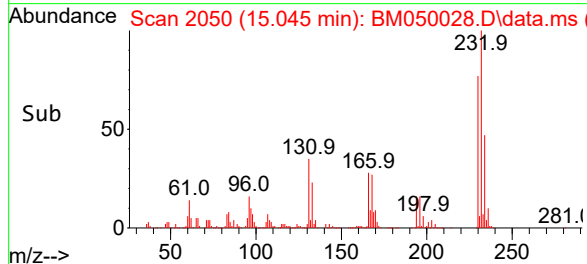
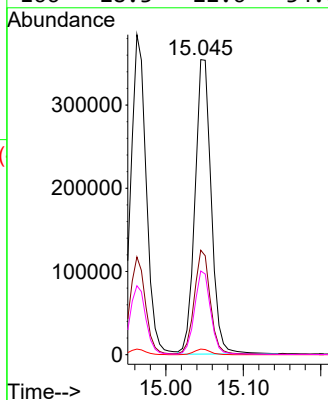
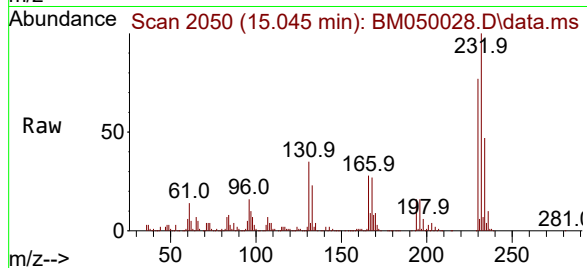




#59
2,3,4,6-Tetrachlorophenol
Concen: 42.446 ng
RT: 15.045 min Scan# 2050
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

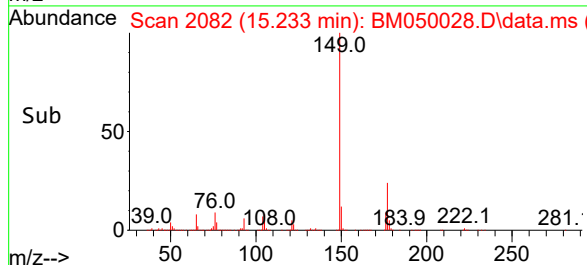
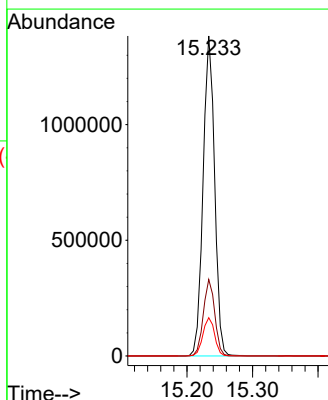
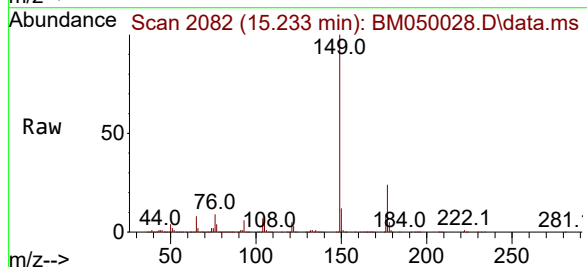
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

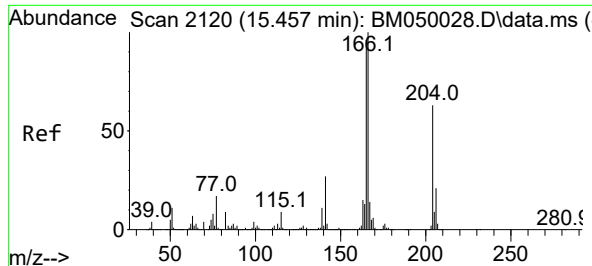
Tgt Ion:232 Resp: 514644
Ion Ratio Lower Upper
232 100
131 35.3 28.2 42.4
130 1.9 1.5 2.3
166 28.3 22.6 34.0



#60
Diethylphthalate
Concen: 41.631 ng
RT: 15.233 min Scan# 2082
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:149 Resp: 1696013
Ion Ratio Lower Upper
149 100
177 23.9 19.1 28.7
150 12.0 9.6 14.4

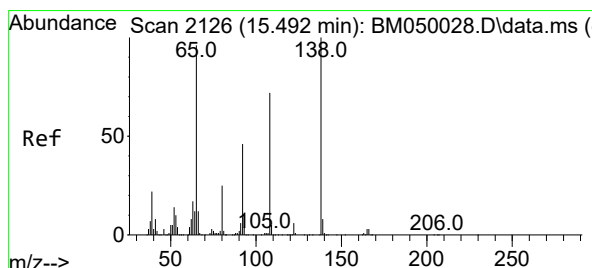
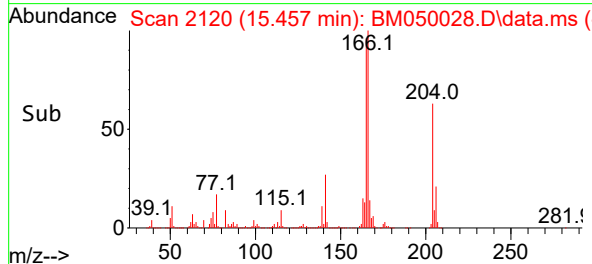
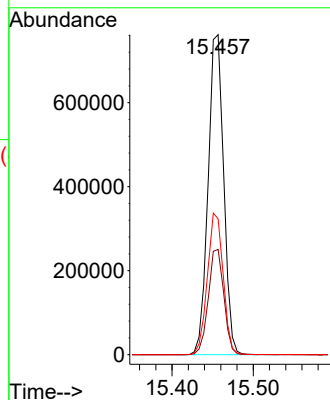
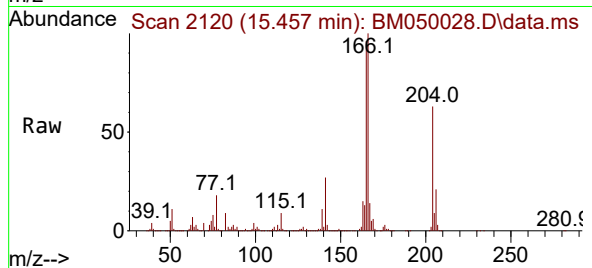




#61
4-Chlorophenyl-phenylether
Concen: 42.652 ng
RT: 15.457 min Scan# 2120
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

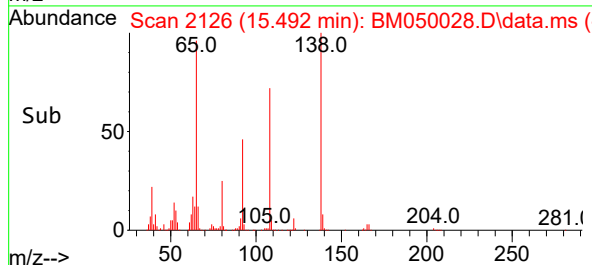
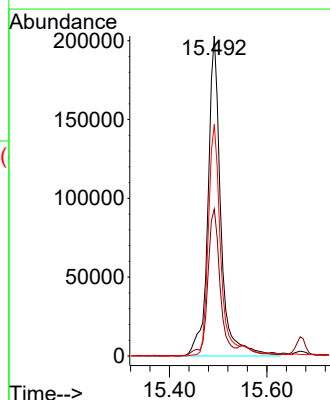
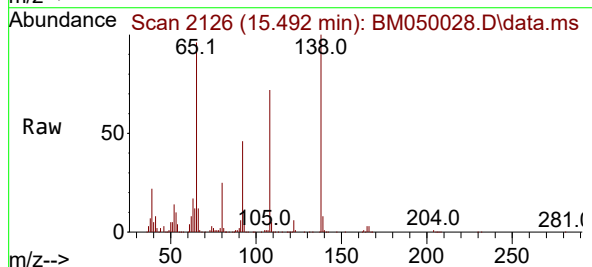
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

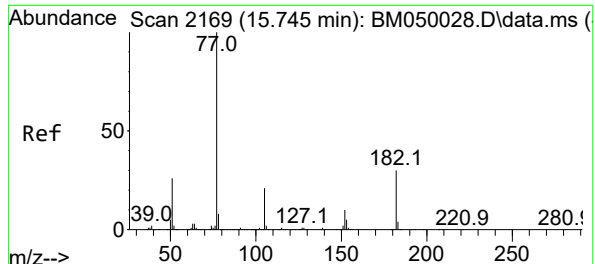
Tgt Ion:204 Resp: 1014134
Ion Ratio Lower Upper
204 100
206 32.9 26.3 39.5
141 42.5 34.0 51.0



#62
4-Nitroaniline
Concen: 44.949 ng
RT: 15.492 min Scan# 2126
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:138 Resp: 370884
Ion Ratio Lower Upper
138 100
92 45.9 25.9 65.9
108 72.4 52.4 92.4

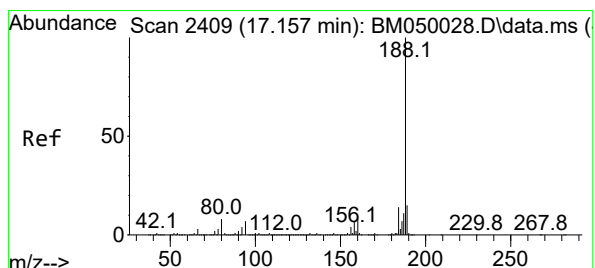
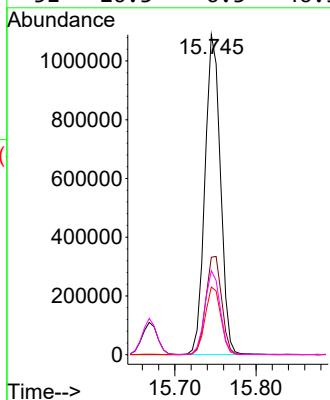
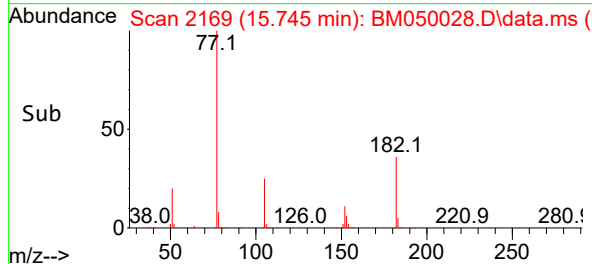
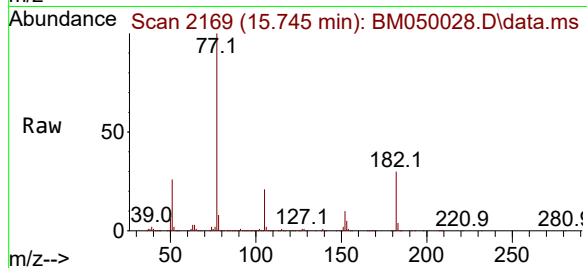




#63
Azobenzene
Concen: 42.150 ng
RT: 15.745 min Scan# 2169
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

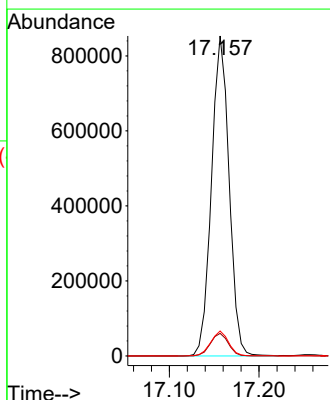
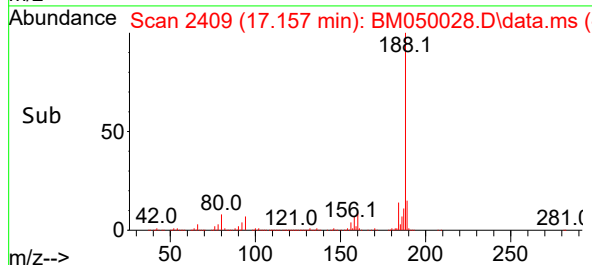
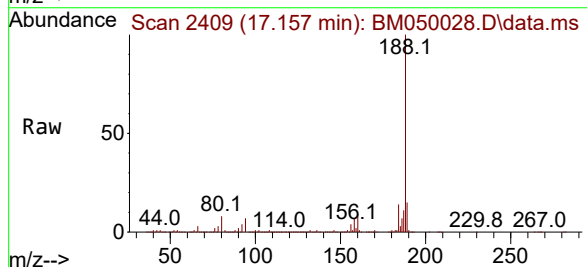
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

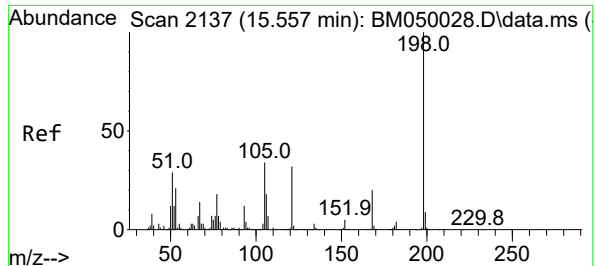
Tgt Ion: 77 Resp: 1439085
Ion Ratio Lower Upper
77 100
182 30.5 10.5 50.5
105 21.1 1.1 41.1
51 26.3 6.3 46.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2409
Delta R.T. -0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion: 188 Resp: 1163791
Ion Ratio Lower Upper
188 100
94 7.1 5.7 8.5
80 7.8 6.2 9.4

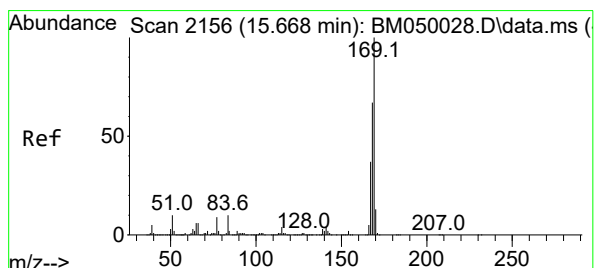
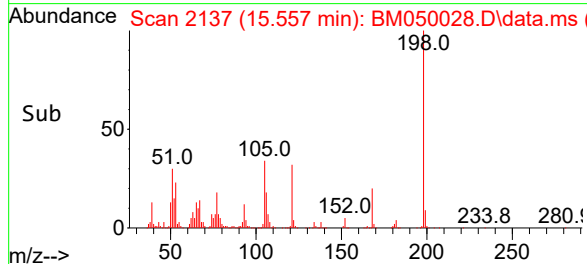
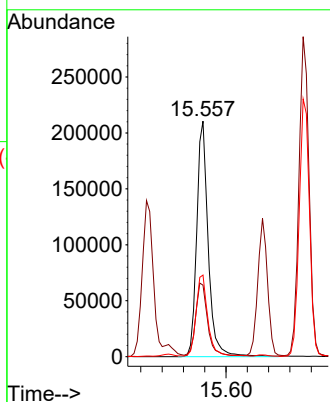
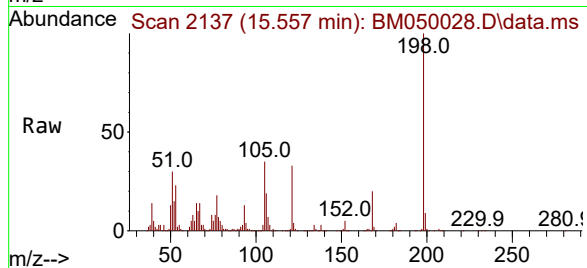




#65
4,6-Dinitro-2-methylphenol
Concen: 43.256 ng
RT: 15.557 min Scan# 2137
Delta R.T. -0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

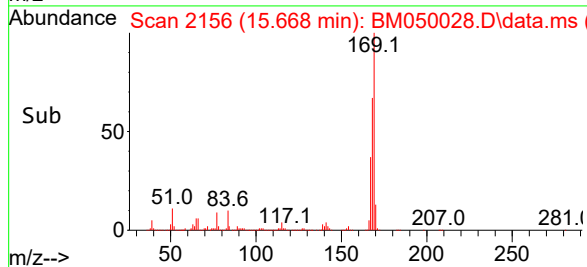
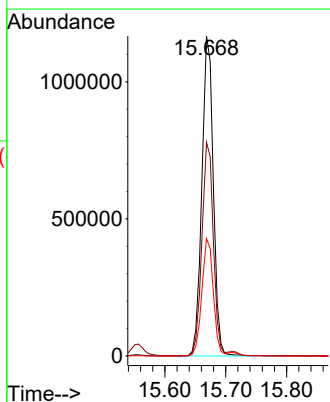
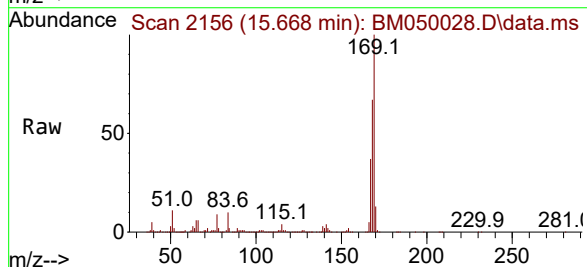
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

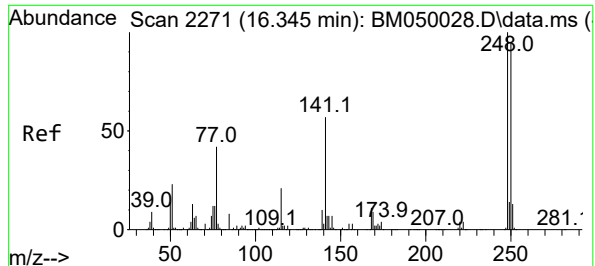
Tgt Ion:198 Resp: 315113
Ion Ratio Lower Upper
198 100
51 30.4 10.4 50.4
105 34.6 14.6 54.6



#66
n-Nitrosodiphenylamine
Concen: 42.678 ng
RT: 15.668 min Scan# 2156
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:169 Resp: 1525193
Ion Ratio Lower Upper
169 100
168 66.8 53.4 80.2
167 36.7 29.4 44.0

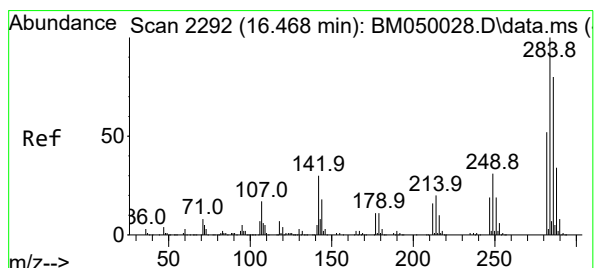
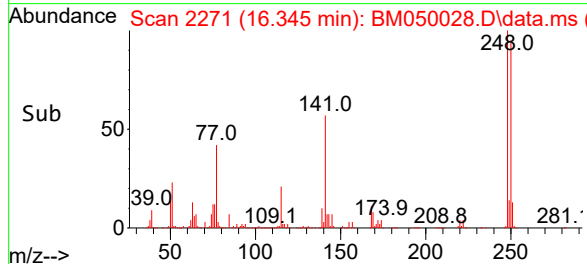
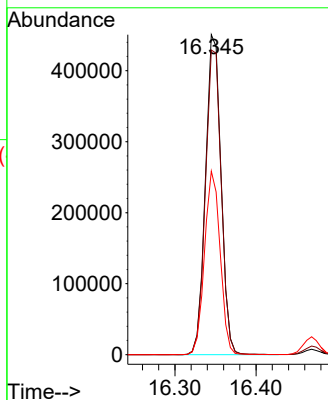
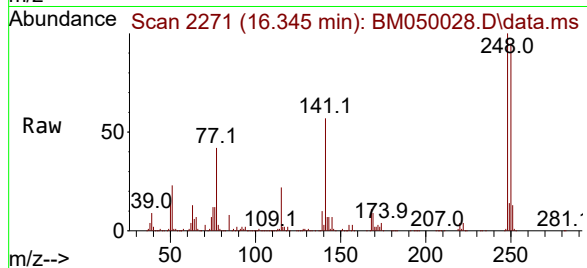




#67
4-Bromophenyl-phenylether
Concen: 42.660 ng
RT: 16.345 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

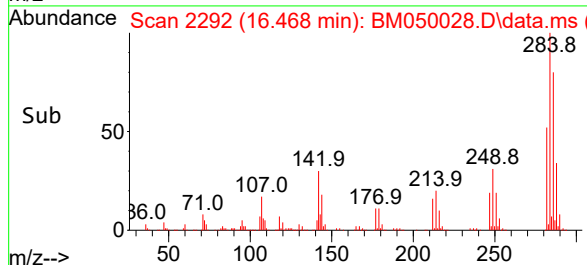
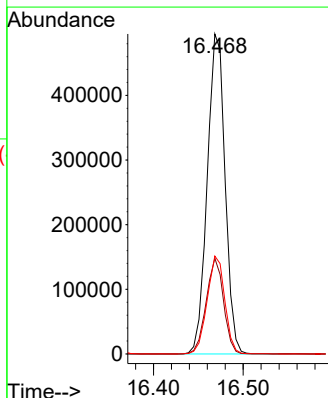
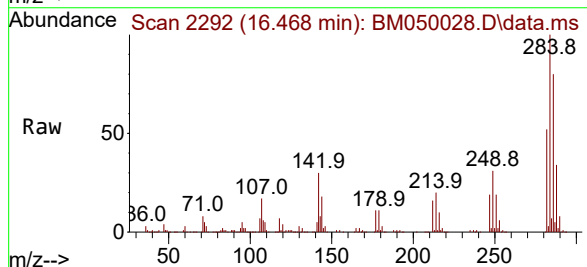
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

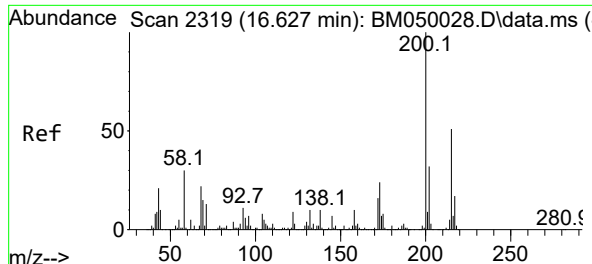
Tgt Ion:248 Resp: 600373
Ion Ratio Lower Upper
248 100
250 95.2 76.2 114.2
141 57.4 45.9 68.9



#68
Hexachlorobenzene
Concen: 42.122 ng
RT: 16.468 min Scan# 2292
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:284 Resp: 683325
Ion Ratio Lower Upper
284 100
142 29.9 23.9 35.9
249 30.6 24.5 36.7

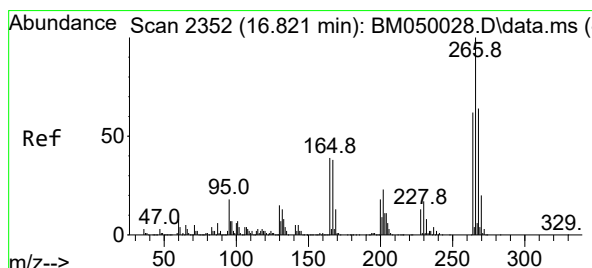
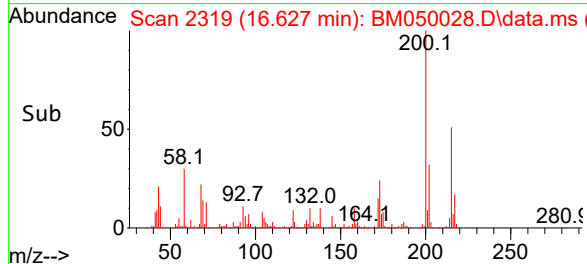
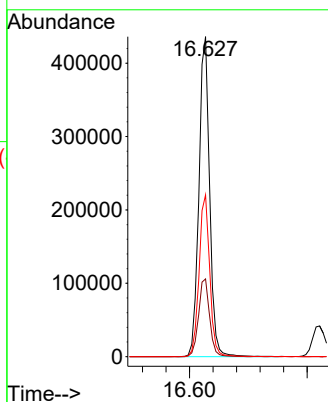
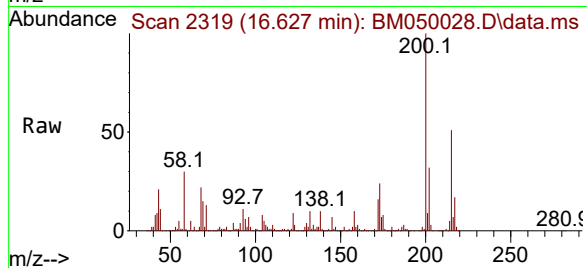




#69
Atrazine
Concen: 42.668 ng
RT: 16.627 min Scan# 2319
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

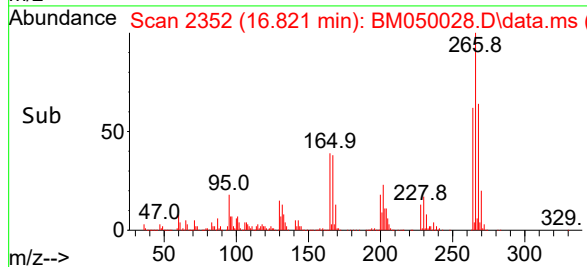
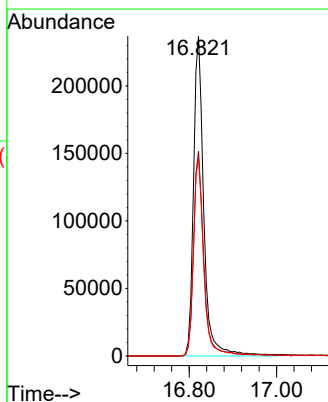
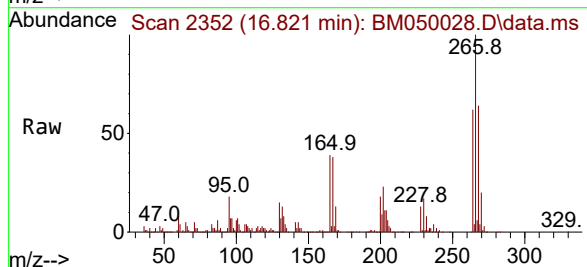
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

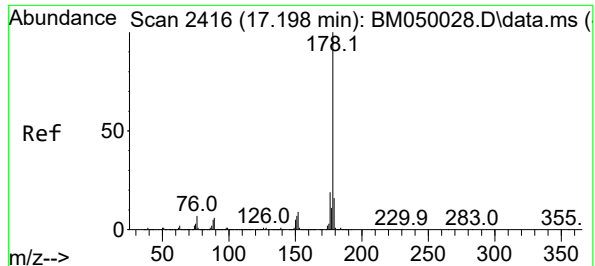
Tgt Ion	Ratio	Lower	Upper
200	100		
173	24.3	4.3	44.3
215	50.6	30.6	70.6



#70
Pentachlorophenol
Concen: 42.448 ng
RT: 16.821 min Scan# 2352
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion	Ratio	Lower	Upper
266	100		
268	64.0	51.2	76.8
264	62.0	49.6	74.4

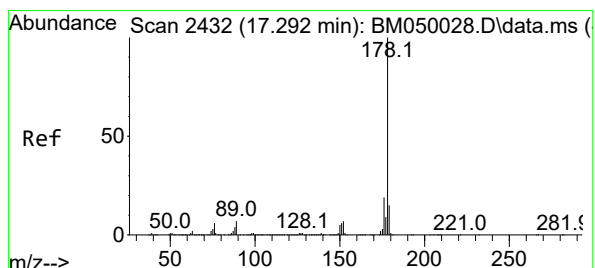
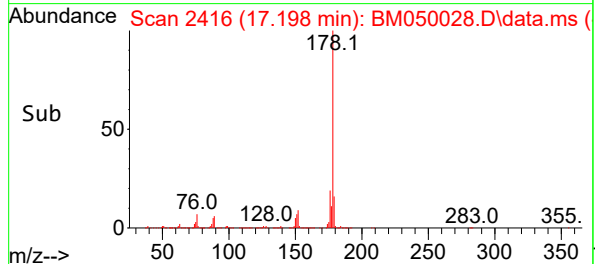
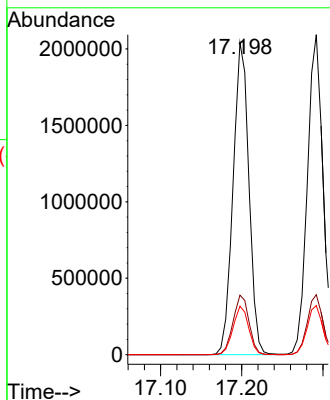
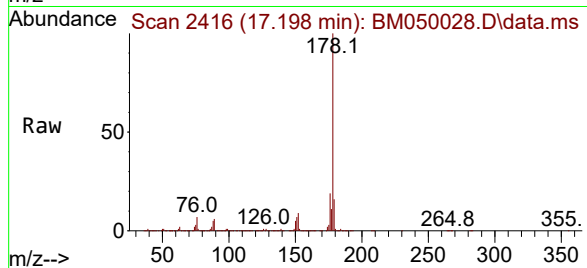




#71
Phenanthrene
Concen: 42.082 ng
RT: 17.198 min Scan# 2416
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

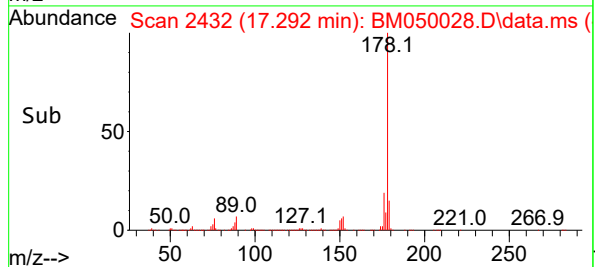
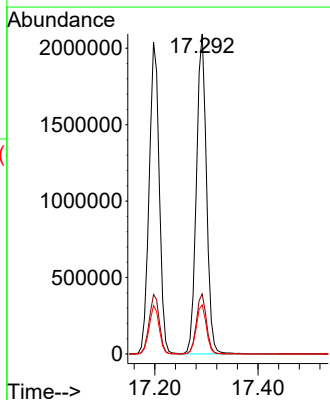
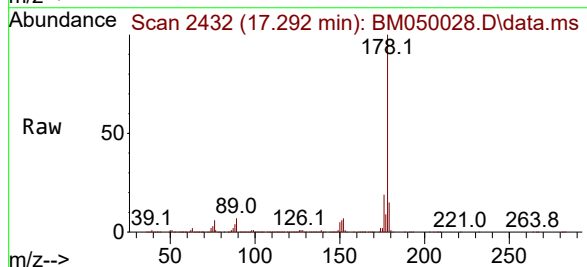
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

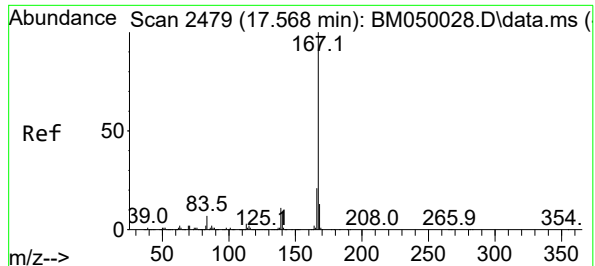
Tgt Ion:178 Resp: 2762249
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.5 12.4 18.6



#72
Anthracene
Concen: 42.525 ng
RT: 17.292 min Scan# 2432
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:178 Resp: 2824805
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.4
179 15.3 12.2 18.4

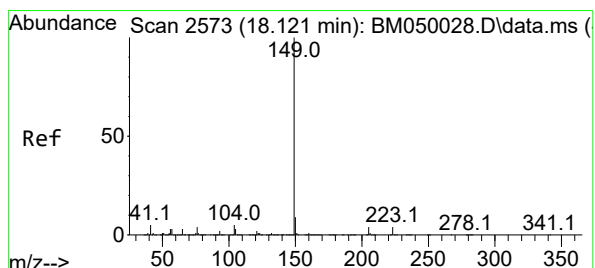
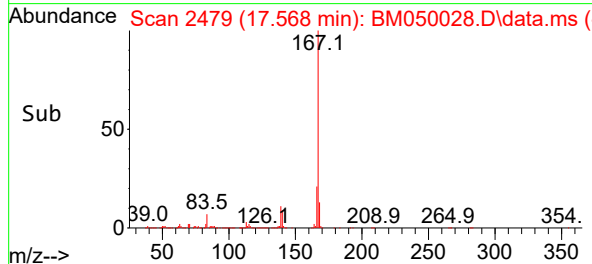
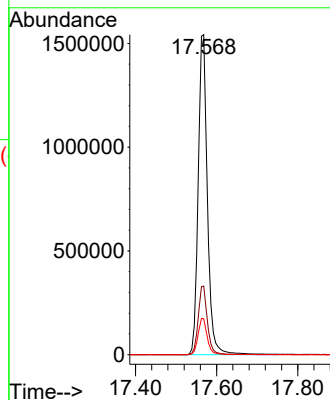
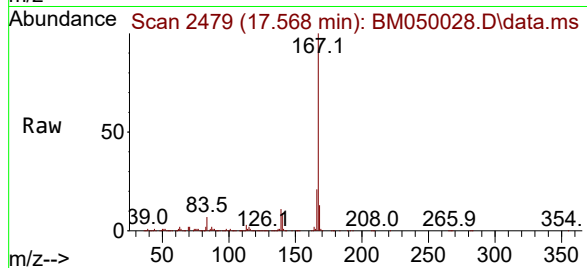




#73
Carbazole
Concen: 42.547 ng
RT: 17.568 min Scan# 2479
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

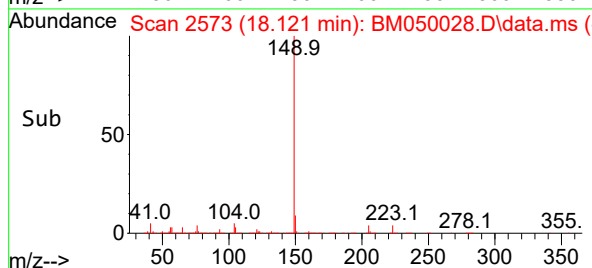
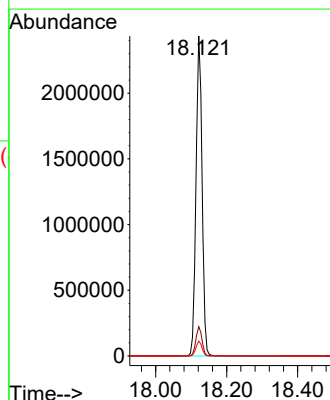
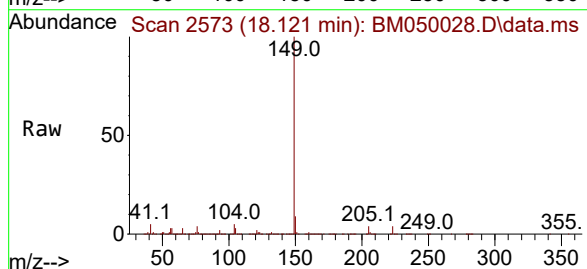
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

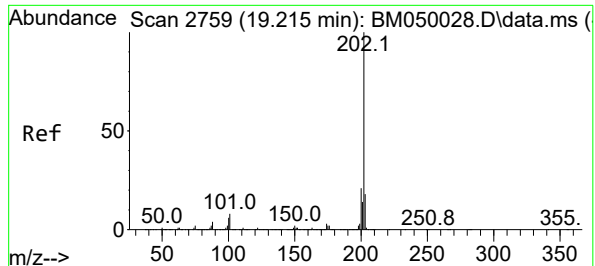
Tgt Ion:167 Resp: 2452474
Ion Ratio Lower Upper
167 100
166 21.5 17.2 25.8
139 11.3 9.0 13.6



#74
Di-n-butylphthalate
Concen: 42.239 ng
RT: 18.121 min Scan# 2573
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:149 Resp: 2899479
Ion Ratio Lower Upper
149 100
150 9.1 7.3 10.9
104 4.7 3.8 5.6

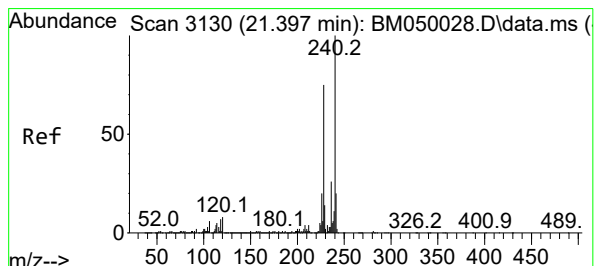
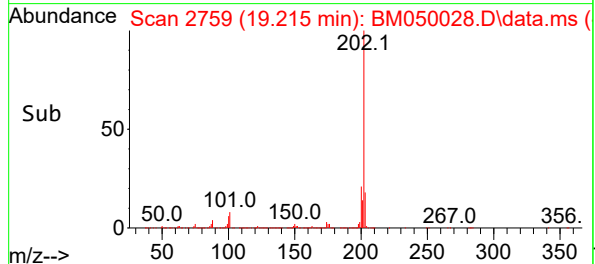
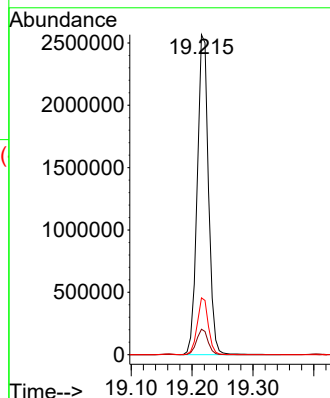
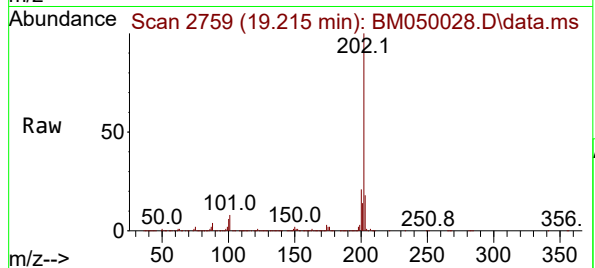




#75
Fluoranthene
Concen: 42.598 ng
RT: 19.215 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

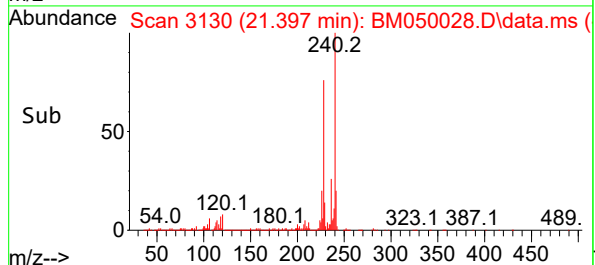
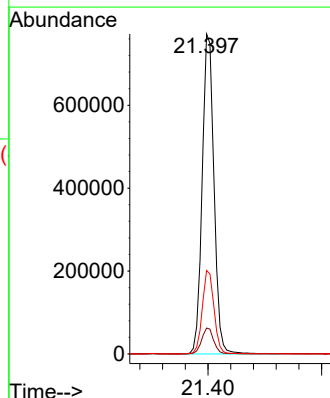
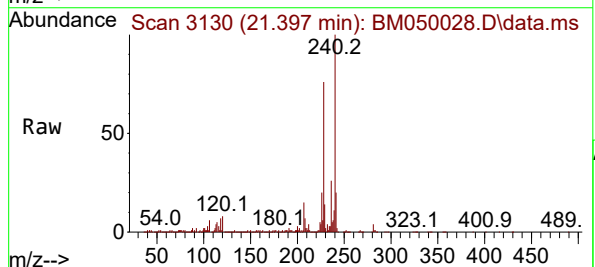
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

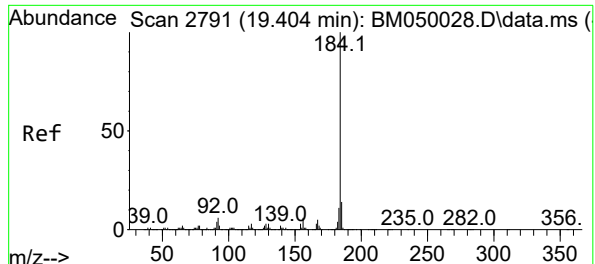
Tgt Ion:202 Resp: 3282789
Ion Ratio Lower Upper
202 100
101 8.0 0.0 28.0
203 17.7 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.397 min Scan# 3130
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:240 Resp: 1114654
Ion Ratio Lower Upper
240 100
120 8.1 6.5 9.7
236 26.1 20.9 31.3

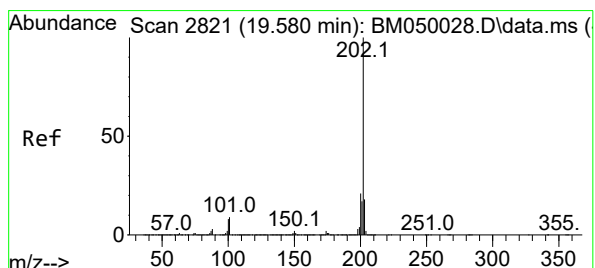
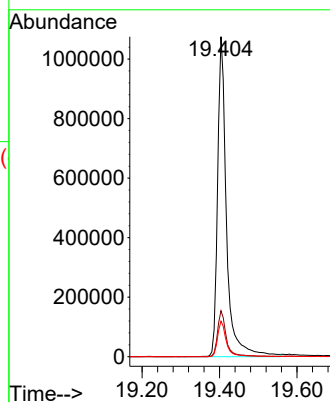
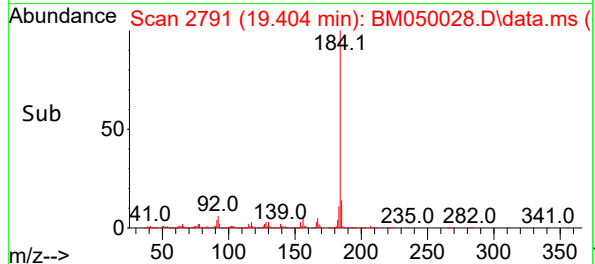
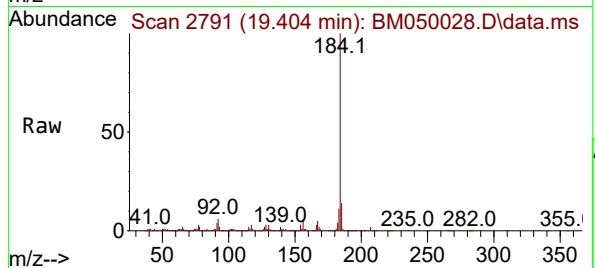




#77
Benzidine
Concen: 43.446 ng
RT: 19.404 min Scan# 2791
Delta R.T. -0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

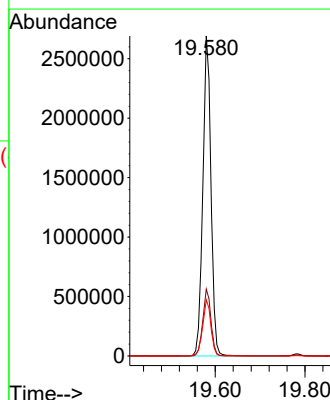
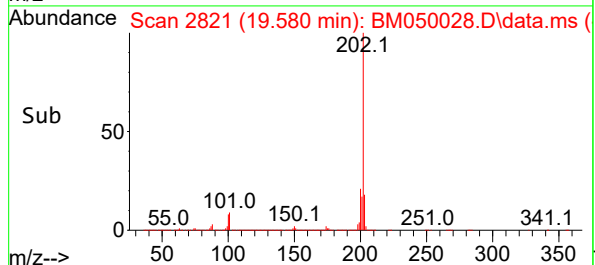
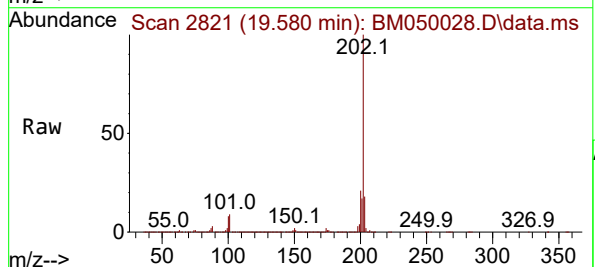
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

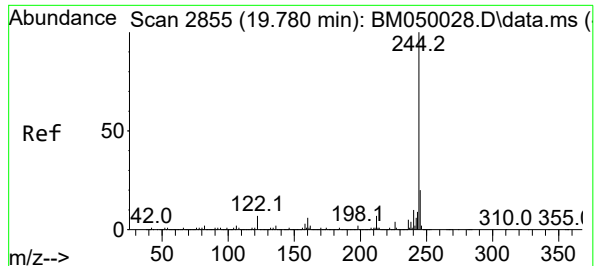
Tgt Ion:184 Resp: 1720168
Ion Ratio Lower Upper
184 100
185 14.4 11.5 17.3
183 11.1 8.9 13.3



#78
Pyrene
Concen: 43.220 ng
RT: 19.580 min Scan# 2821
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:202 Resp: 3383053
Ion Ratio Lower Upper
202 100
200 20.9 16.7 25.1
203 17.6 14.1 21.1

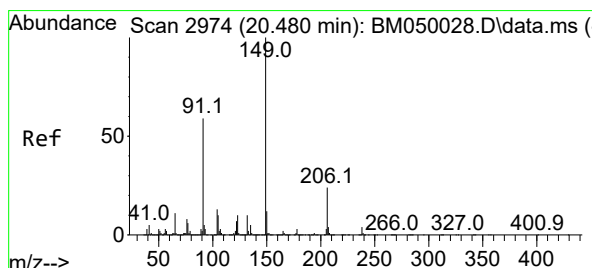
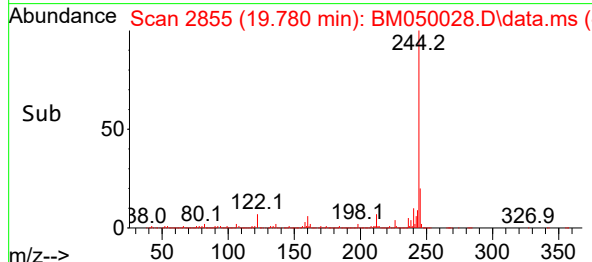
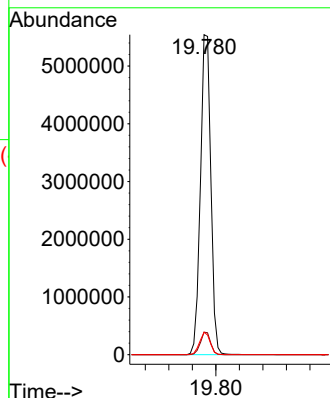
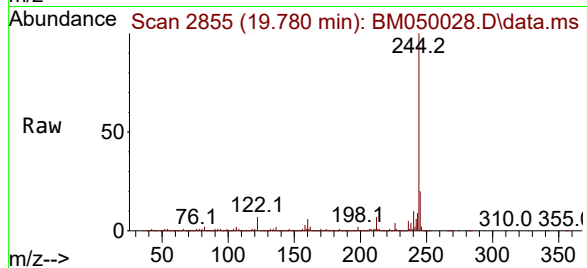




#79
Terphenyl-d14
Concen: 90.233 ng
RT: 19.780 min Scan# 2855
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

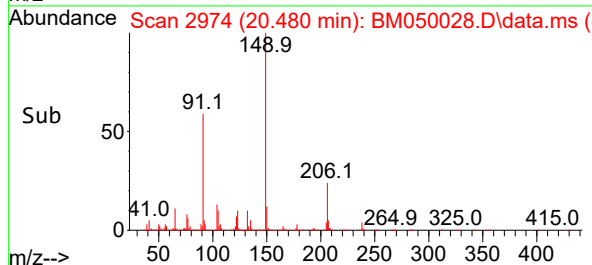
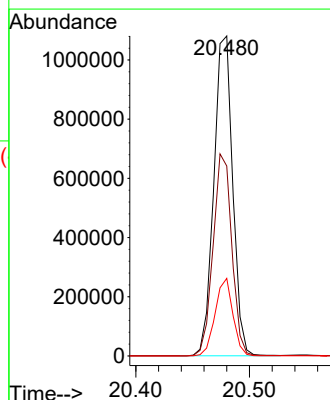
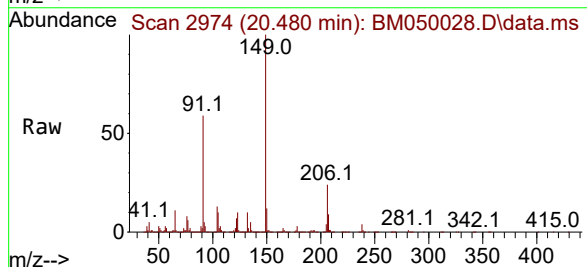
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

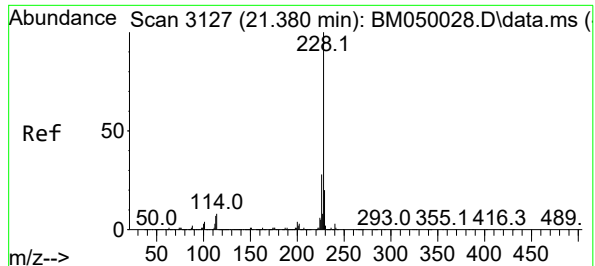
Tgt Ion:244 Resp: 6797031
Ion Ratio Lower Upper
244 100
212 7.0 5.6 8.4
122 7.0 5.6 8.4



#80
Butylbenzylphthalate
Concen: 42.704 ng
RT: 20.480 min Scan# 2974
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:149 Resp: 1251950
Ion Ratio Lower Upper
149 100
91 59.3 47.4 71.2
206 24.2 19.4 29.0

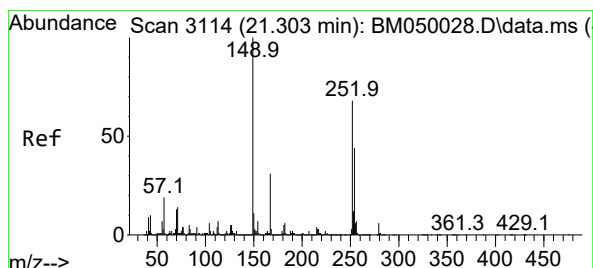
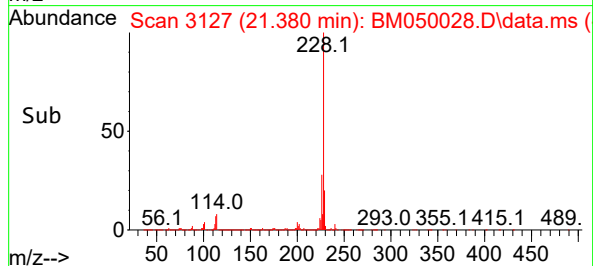
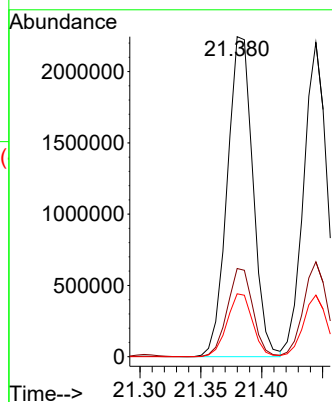
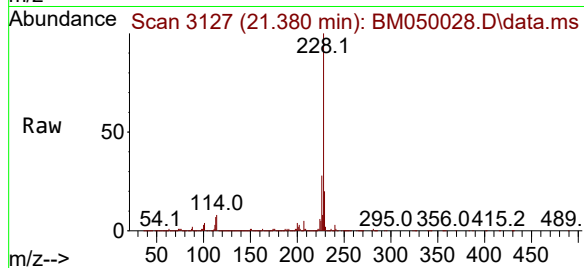




#81
Benzo(a)anthracene
Concen: 42.935 ng
RT: 21.380 min Scan# 3127
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

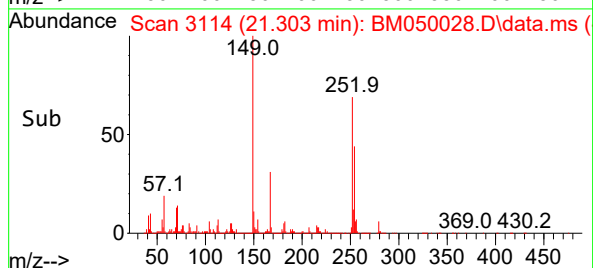
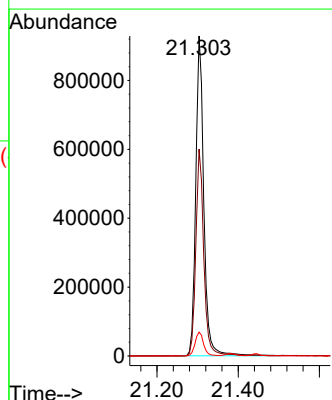
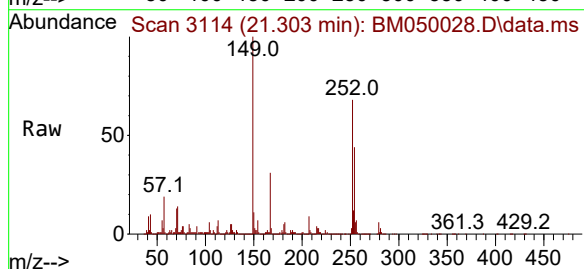
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

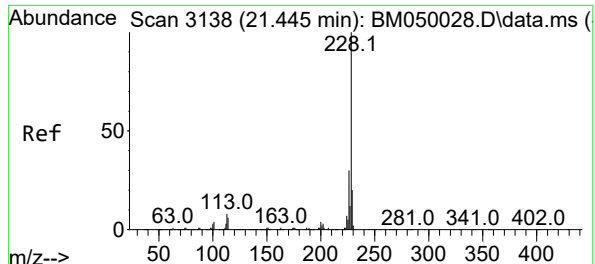
Tgt Ion:228 Resp: 3295625
Ion Ratio Lower Upper
228 100
226 27.6 22.1 33.1
229 19.6 15.7 23.5



#82
3,3'-Dichlorobenzidine
Concen: 43.991 ng
RT: 21.303 min Scan# 3114
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:252 Resp: 1292611
Ion Ratio Lower Upper
252 100
254 64.7 51.8 77.6
126 7.5 6.0 9.0

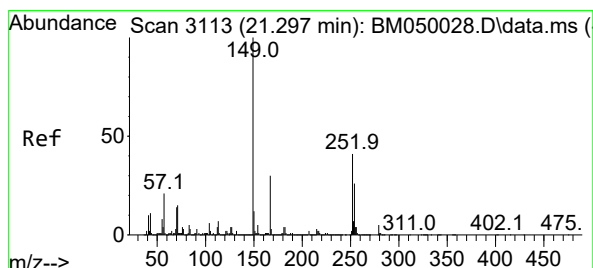
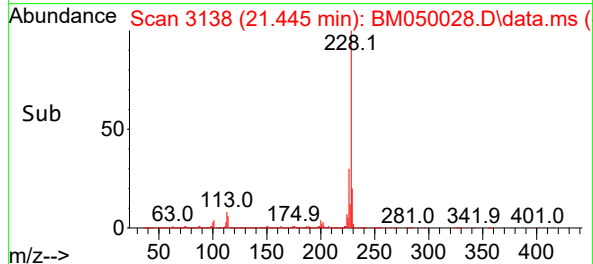
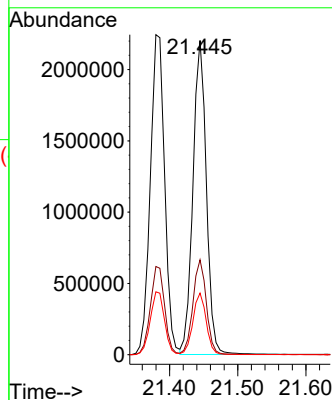
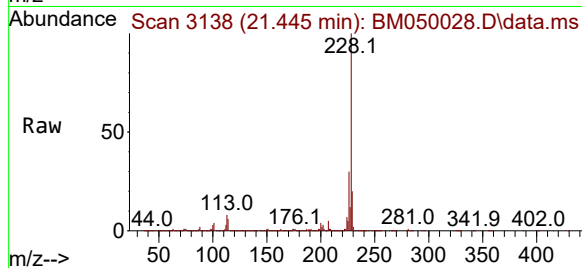




#83
Chrysene
Concen: 42.127 ng
RT: 21.445 min Scan# 3138
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

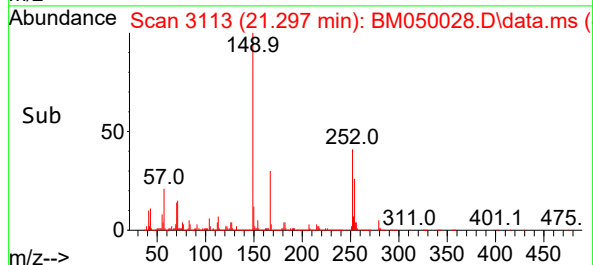
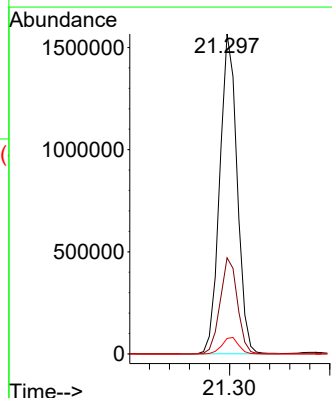
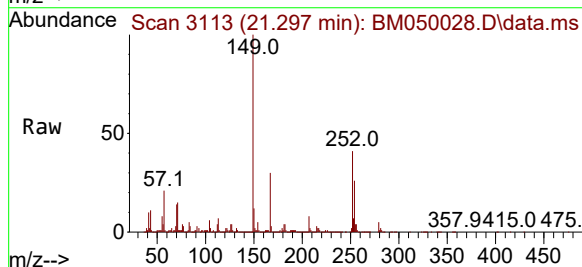
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

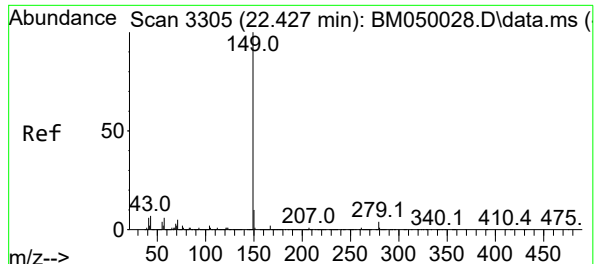
Tgt Ion:228 Resp: 2992790
Ion Ratio Lower Upper
228 100
226 30.2 24.2 36.2
229 19.6 15.7 23.5



#84
Bis(2-ethylhexyl)phthalate
Concen: 42.895 ng
RT: 21.297 min Scan# 3113
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:149 Resp: 1878368
Ion Ratio Lower Upper
149 100
167 30.1 24.1 36.1
279 4.9 3.9 5.9

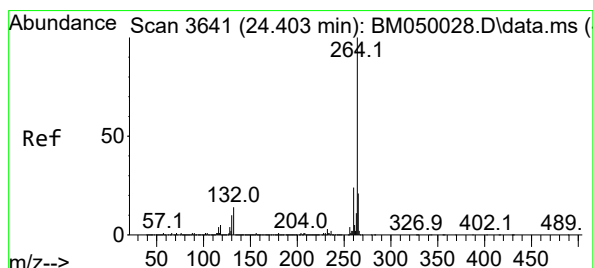
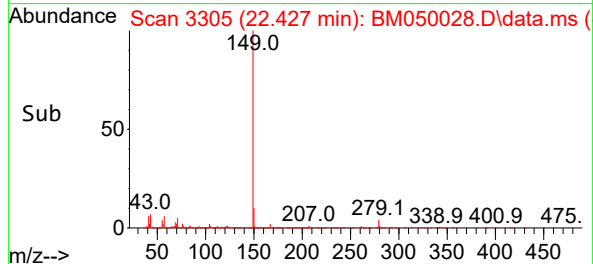
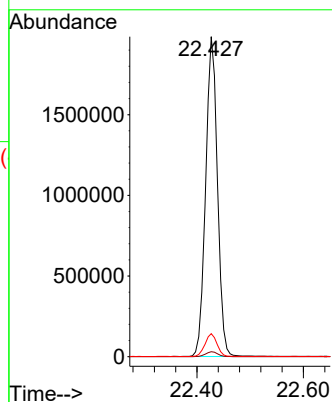
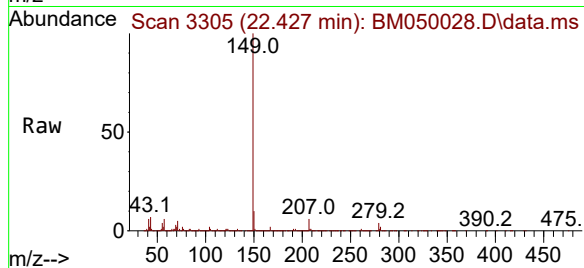




#85
Di-n-octyl phthalate
Concen: 42.160 ng
RT: 22.427 min Scan# 3305
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

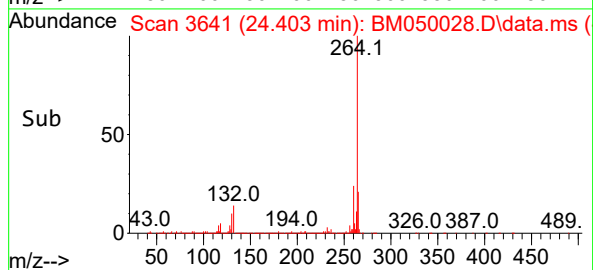
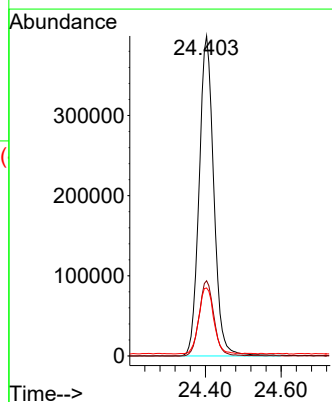
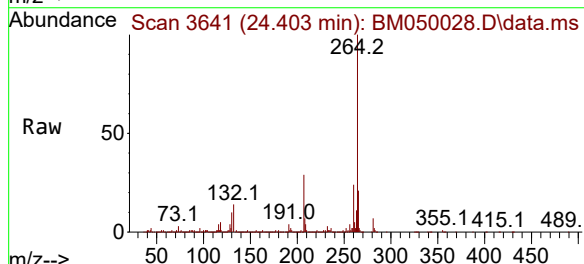
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

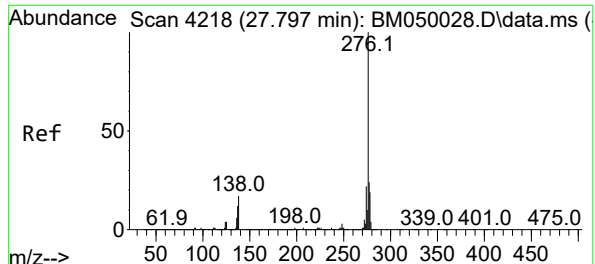
Tgt Ion:149 Resp: 3044578
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 7.3 5.8 8.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.403 min Scan# 3641
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:264 Resp: 1072526
Ion Ratio Lower Upper
264 100
260 23.5 18.8 28.2
265 21.2 17.0 25.4

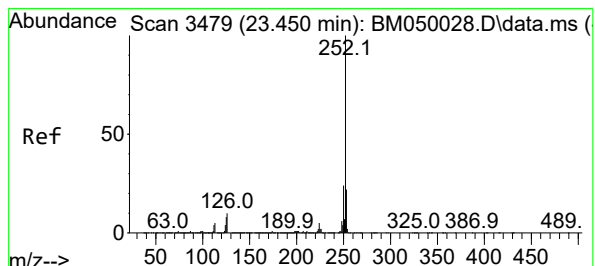
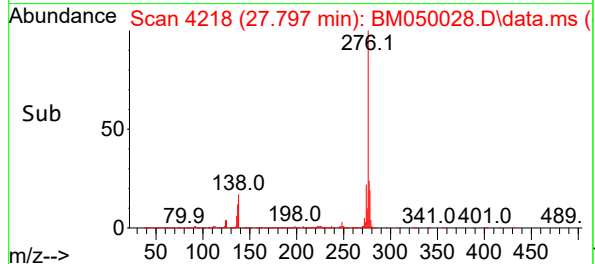
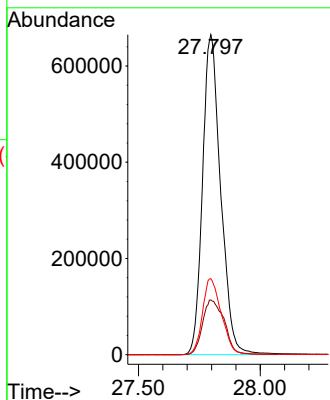
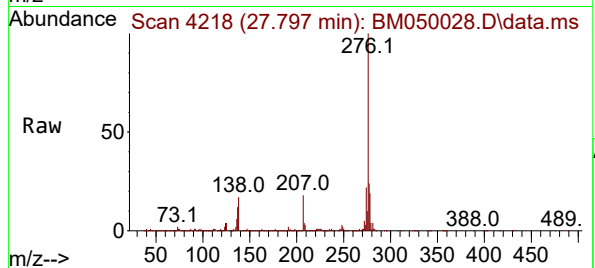




#87
Indeno(1,2,3-cd)pyrene
Concen: 42.991 ng
RT: 27.797 min Scan# 4218
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

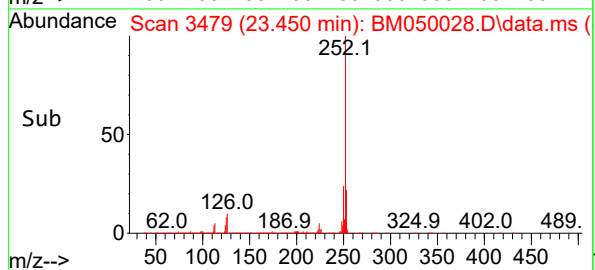
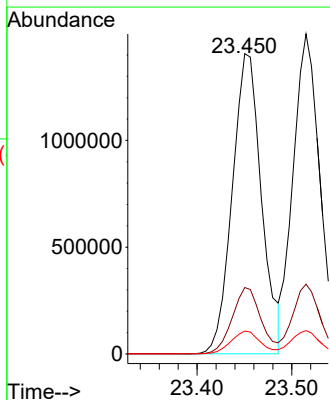
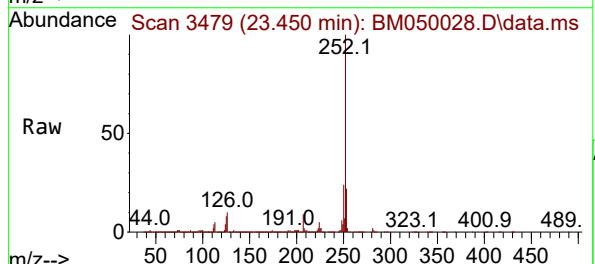
Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

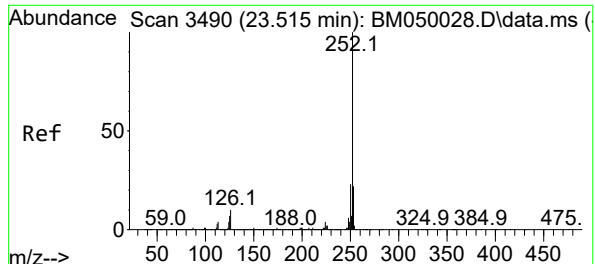
Tgt Ion:276 Resp: 3435665
Ion Ratio Lower Upper
276 100
138 20.5 16.4 24.6
277 24.8 19.8 29.8



#88
Benzo(b)fluoranthene
Concen: 43.243 ng
RT: 23.450 min Scan# 3479
Delta R.T. 0.000 min
Lab File: BM050028.D
Acq: 28 Apr 2025 15:06

Tgt Ion:252 Resp: 3016197
Ion Ratio Lower Upper
252 100
253 22.1 17.7 26.5
125 7.6 6.1 9.1





#89

Benzo(k)fluoranthene

Concen: 42.155 ng

RT: 23.515 min Scan# 3490

Delta R.T. 0.000 min

Lab File: BM050028.D

Acq: 28 Apr 2025 15:06

Instrument :

BNA_M

ClientSampleId :

SSTDICCC040

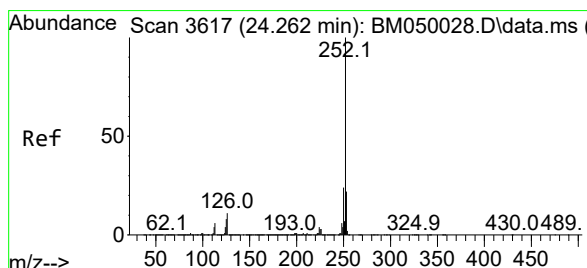
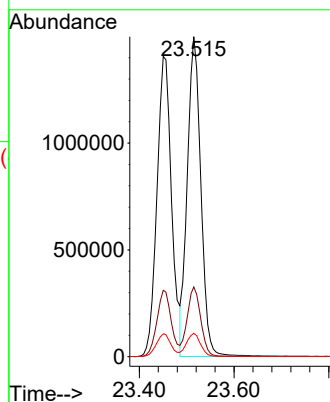
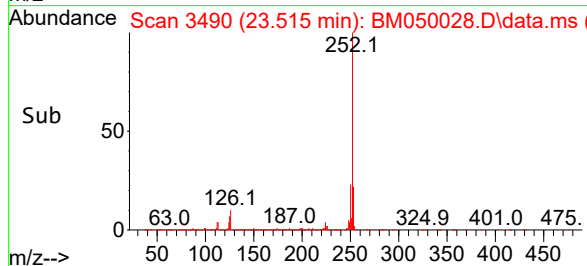
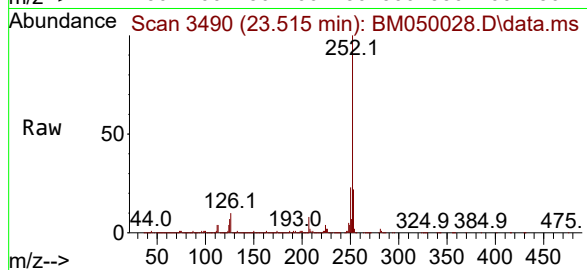
Tgt Ion:252 Resp: 2974903

Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.2

125 7.3 5.8 8.8



#90

Benzo(a)pyrene

Concen: 42.519 ng

RT: 24.262 min Scan# 3617

Delta R.T. 0.000 min

Lab File: BM050028.D

Acq: 28 Apr 2025 15:06

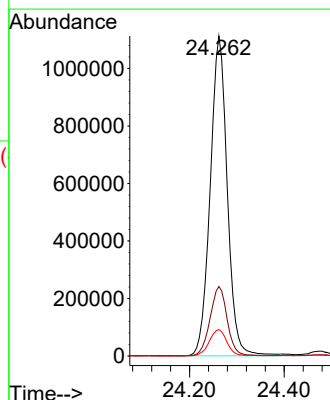
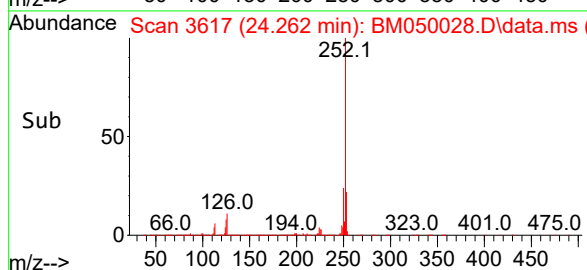
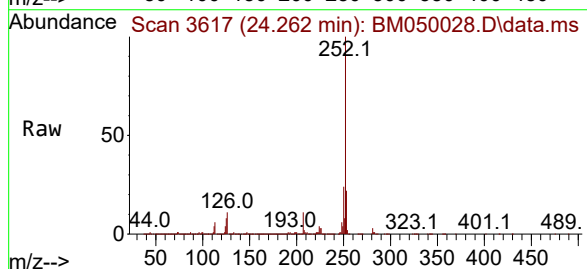
Tgt Ion:252 Resp: 2777683

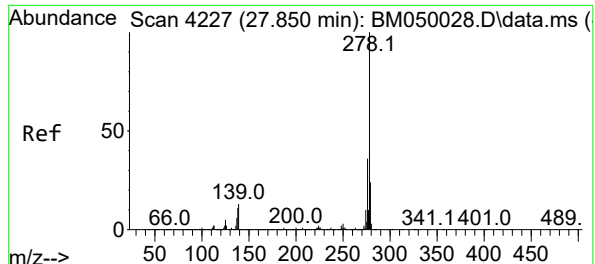
Ion Ratio Lower Upper

252 100

253 21.7 17.4 26.0

125 8.2 6.6 9.8





#91

Dibenzo(a,h)anthracene

Concen: 42.796 ng

RT: 27.850 min Scan# 4227

Delta R.T. 0.000 min

Lab File: BM050028.D

Acq: 28 Apr 2025 15:06

Instrument :

BNA_M

ClientSampleId :

SSTDICCC040

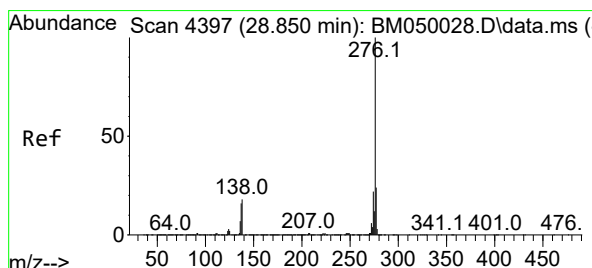
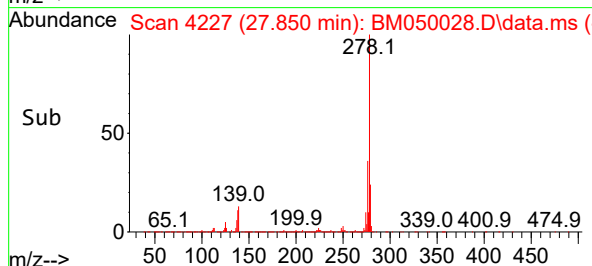
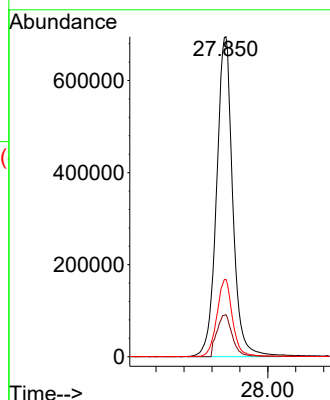
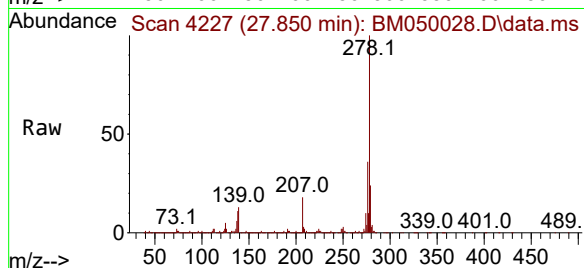
Tgt Ion:278 Resp: 2787948

Ion Ratio Lower Upper

278 100

139 13.1 10.5 15.7

279 24.2 19.4 29.0



#92

Benzo(g,h,i)perylene

Concen: 42.508 ng

RT: 28.850 min Scan# 4397

Delta R.T. 0.000 min

Lab File: BM050028.D

Acq: 28 Apr 2025 15:06

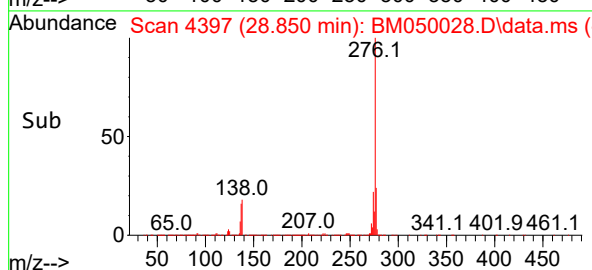
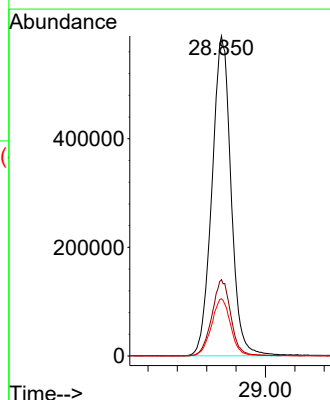
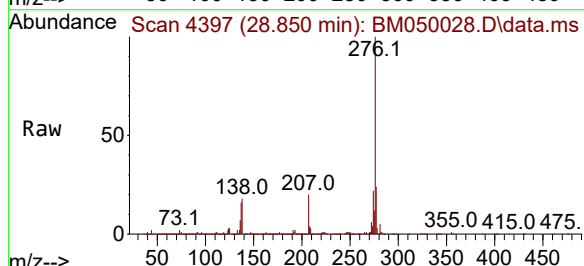
Tgt Ion:276 Resp: 2651145

Ion Ratio Lower Upper

276 100

277 23.9 19.1 28.7

138 17.9 14.3 21.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
 Data File : BM050029.D
 Acq On : 28 Apr 2025 15:45
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC050

Quant Time: Apr 28 17:57:21 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 17:38:08 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	228207	20.000	ng	0.00
21) Naphthalene-d8	10.563	136	837552	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	554448	20.000	ng	0.00
64) Phenanthrene-d10	17.156	188	1105769	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1097646	20.000	ng	0.00
86) Perylene-d12	24.397	264	1061511	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1382138	106.054	ng	0.00
7) Phenol-d6	6.951	99	1754123	107.089	ng	0.00
23) Nitrobenzene-d5	8.928	82	1811208	106.560	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	911669	111.203	ng	0.00
45) 2-Fluorobiphenyl	13.033	172	5051261	107.775	ng	0.00
79) Terphenyl-d14	19.780	244	8457811	114.020	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.251	88	287618	51.472	ng	100
3) Pyridine	3.657	79	757569	52.766	ng	99
4) n-Nitrosodimethylamine	3.563	42	295491	52.476	ng	100
6) Aniline	7.098	93	1096746	53.024	ng	99
8) 2-Chlorophenol	7.339	128	742074	52.664	ng	100
9) Benzaldehyde	6.910	77	577740	52.770	ng	99
10) Phenol	6.981	94	877155	52.897	ng	98
11) bis(2-Chloroethyl)ether	7.192	93	725268	52.379	ng	99
12) 1,3-Dichlorobenzene	7.657	146	885183	52.004	ng	100
13) 1,4-Dichlorobenzene	7.804	146	888114	51.937	ng	100
14) 1,2-Dichlorobenzene	8.122	146	859475	52.033	ng	99
15) Benzyl Alcohol	8.016	79	612811	53.947	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.292	45	863443	51.300	ng	99
17) 2-Methylphenol	8.228	107	585120	53.563	ng	99
18) Hexachloroethane	8.845	117	312710	51.444	ng	98
19) n-Nitroso-di-n-propyla...	8.575	70	563847	53.672	ng	100
20) 3+4-Methylphenols	8.551	107	794422	53.851	ng	98
22) Acetophenone	8.592	105	1100024	52.827	ng	99
24) Nitrobenzene	8.969	77	779215	53.020	ng	99
25) Isophorone	9.498	82	1526436	52.685	ng	100
26) 2-Nitrophenol	9.680	139	415316	55.315	ng	99
27) 2,4-Dimethylphenol	9.751	122	674547	54.175	ng	100
28) bis(2-Chloroethoxy)met...	9.975	93	946285	52.843	ng	100
29) 2,4-Dichlorophenol	10.227	162	751117	53.847	ng	99
30) 1,2,4-Trichlorobenzene	10.427	180	891501	52.457	ng	98
31) Naphthalene	10.610	128	2214025	52.198	ng	100
32) Benzoic acid	9.922	122	431557	54.343	ng	98
33) 4-Chloroaniline	10.727	127	937309	53.913	ng	99
34) Hexachlorobutadiene	10.898	225	566049	52.471	ng	99
35) Caprolactam	11.522	113	218572	53.741	ng	92
36) 4-Chloro-3-methylphenol	11.869	107	688099	53.394	ng	98
37) 2-Methylnaphthalene	12.227	142	1494348	52.548	ng	99
38) 1-Methylnaphthalene	12.445	142	1572248	52.243	ng	99
40) 1,2,4,5-Tetrachloroben...	12.604	216	1033027	53.822	ng	99
41) Hexachlorocyclopentadiene	12.580	237	649060	55.336	ng	99
43) 2,4,6-Trichlorophenol	12.851	196	672901	55.275	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
 Data File : BM050029.D
 Acq On : 28 Apr 2025 15:45
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC050

Quant Time: Apr 28 17:57:21 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 17:38:08 2025
 Response via : Initial Calibration

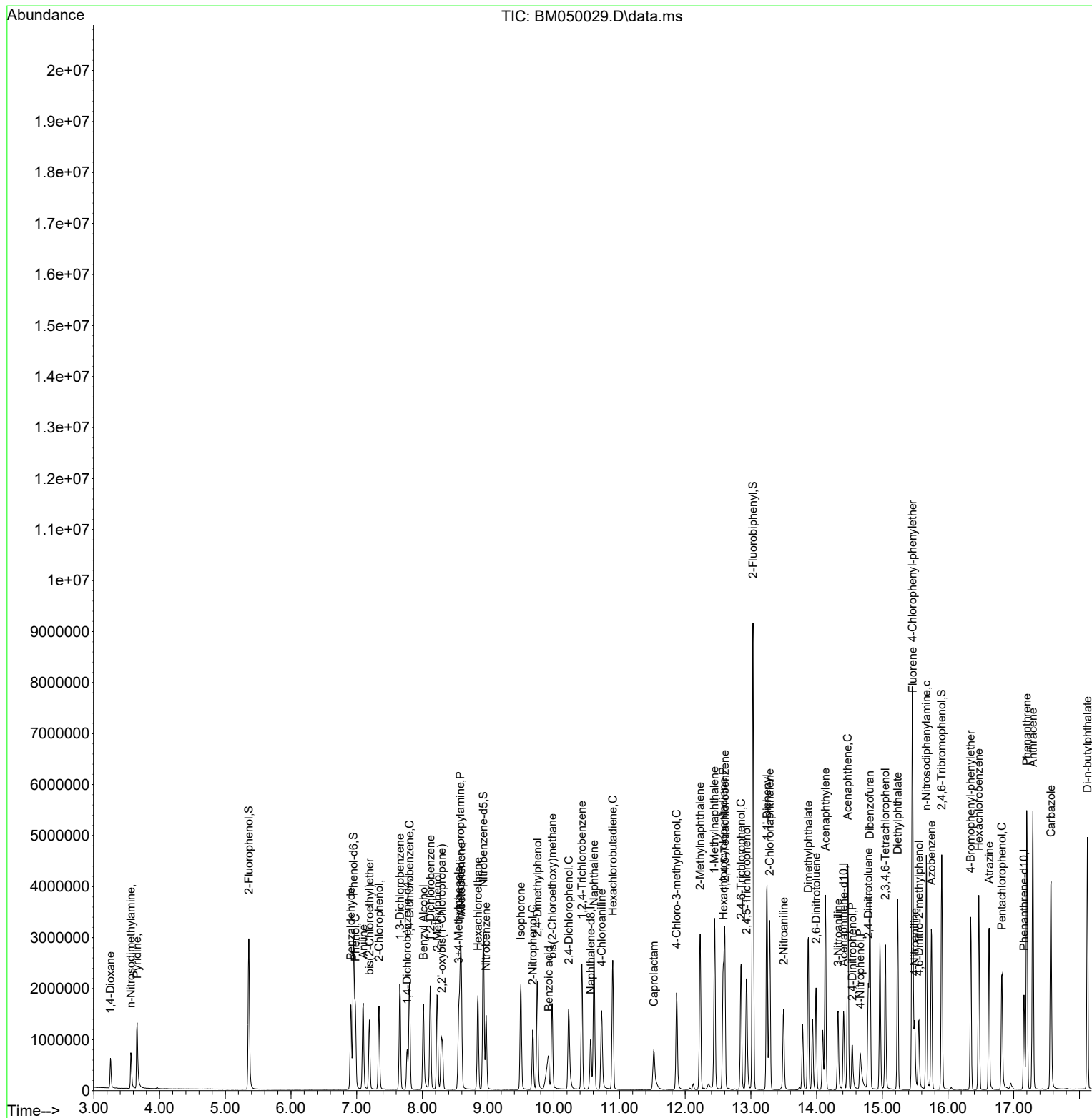
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.933	196	719930	54.841	ng	100
46) 1,1'-Biphenyl	13.245	154	2191996	53.185	ng	100
47) 2-Chloronaphthalene	13.286	162	1729678	52.989	ng	100
48) 2-Nitroaniline	13.498	65	421489	55.016	ng	99
49) Acenaphthylene	14.133	152	2731966	53.082	ng	100
50) Dimethylphthalate	13.874	163	2138242	52.770	ng	100
51) 2,6-Dinitrotoluene	13.992	165	458476	54.650	ng	99
52) Acenaphthene	14.474	154	1587472	53.287	ng	99
53) 3-Nitroaniline	14.327	138	450021	56.186	ng	96
54) 2,4-Dinitrophenol	14.545	184	269515	52.338	ng	99
55) Dibenzofuran	14.810	168	2617489	52.809	ng	100
56) 4-Nitrophenol	14.663	139	328078	52.029	ng	100
57) 2,4-Dinitrotoluene	14.786	165	648262	55.921	ng	99
58) Fluorene	15.462	166	2180247	53.740	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.045	232	617151	54.311	ng	99
60) Diethylphthalate	15.233	149	2011763	52.691	ng	99
61) 4-Chlorophenyl-phenyle...	15.457	204	1207514	54.188	ng	99
62) 4-Nitroaniline	15.492	138	445520	57.612	ng	99
63) Azobenzene	15.745	77	1703932	53.251	ng	100
65) 4,6-Dinitro-2-methylph...	15.557	198	393191	56.806	ng	98
66) n-Nitrosodiphenylamine	15.668	169	1815723	53.474	ng	99
67) 4-Bromophenyl-phenylether	16.345	248	713498	53.359	ng	98
68) Hexachlorobenzene	16.468	284	815392	52.900	ng	98
69) Atrazine	16.627	200	669330	54.648	ng	99
70) Pentachlorophenol	16.821	266	475717	54.830	ng	99
71) Phenanthrene	17.198	178	3349195	53.702	ng	100
72) Anthracene	17.292	178	3417239	54.143	ng	100
73) Carbazole	17.568	167	2971695	54.260	ng	99
74) Di-n-butylphthalate	18.121	149	3530893	54.137	ng	100
75) Fluoranthene	19.215	202	4021516	54.922	ng	100
77) Benzidine	19.403	184	2110748	54.137	ng	100
78) Pyrene	19.580	202	4169831	54.097	ng	100
80) Butylbenzylphthalate	20.474	149	1557463	53.948	ng	96
81) Benzo(a)anthracene	21.380	228	4058011	53.687	ng	100
82) 3,3'-Dichlorobenzidine	21.303	252	1639448	56.659	ng	99
83) Chrysene	21.444	228	3755543	53.683	ng	99
84) Bis(2-ethylhexyl)phtha...	21.297	149	2336926	54.194	ng	98
85) Di-n-octyl phthalate	22.427	149	3852190	54.170	ng	100
87) Indeno(1,2,3-cd)pyrene	27.797	276	4369253	55.240	ng	99
88) Benzo(b)fluoranthene	23.450	252	3755728	54.405	ng	99
89) Benzo(k)fluoranthene	23.515	252	3844095	55.037	ng	99
90) Benzo(a)pyrene	24.262	252	3529489	54.588	ng	99
91) Dibenzo(a,h)anthracene	27.838	278	3575099	55.448	ng	99
92) Benzo(g,h,i)perylene	28.850	276	3363778	54.494	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050029.D
Acq On : 28 Apr 2025 15:45
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

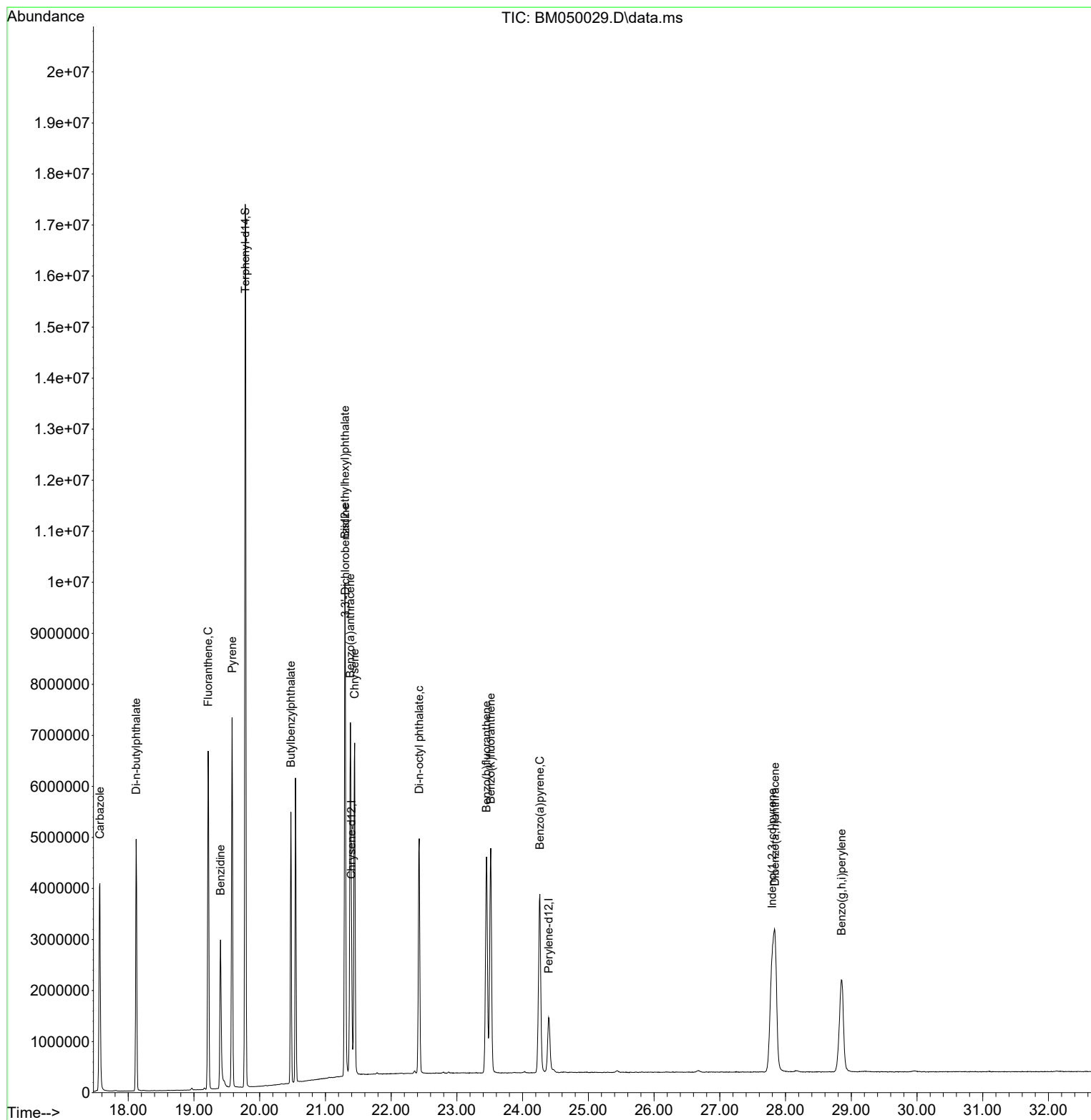
Quant Time: Apr 28 17:57:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

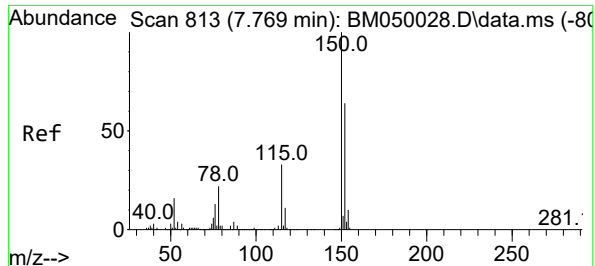


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050029.D
Acq On : 28 Apr 2025 15:45
Operator : RC/JU
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BNA_M
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Quant Time: Apr 28 17:57:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
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QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

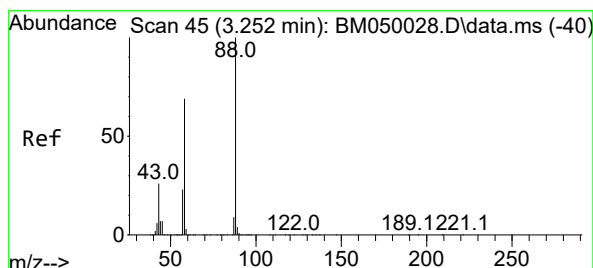
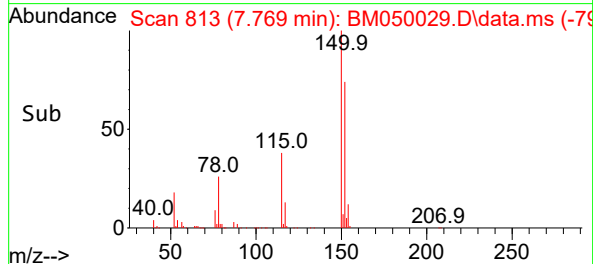
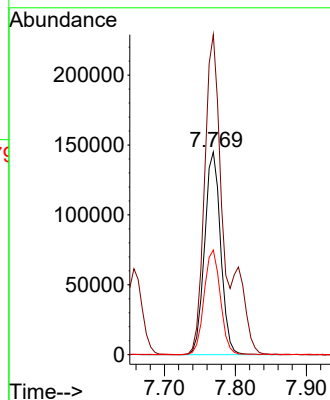
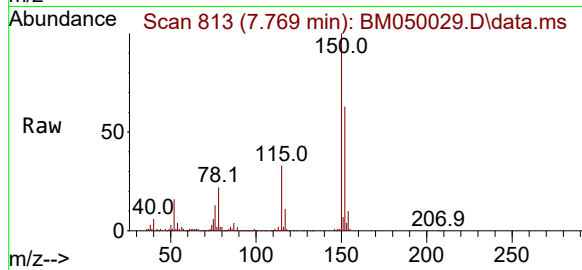




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 813
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

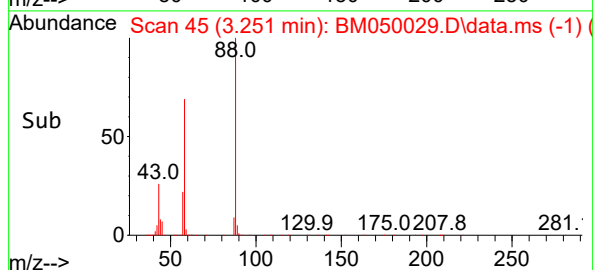
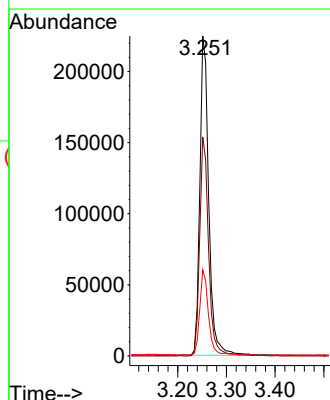
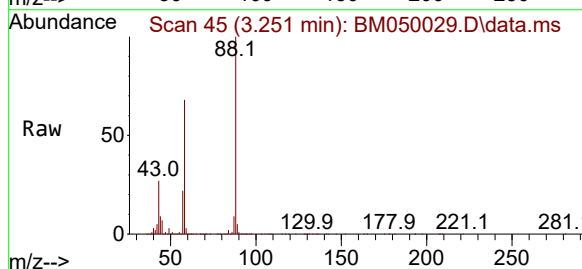
Instrument :
BNA_M
ClientSampleId :
SSTDICC050

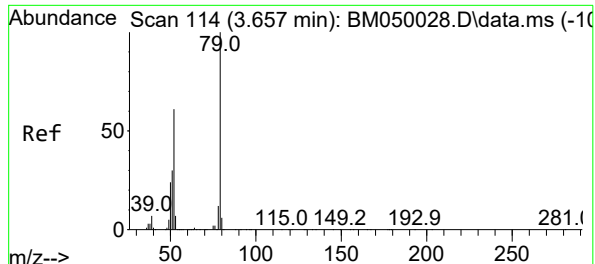
Tgt Ion:152 Resp: 228207
Ion Ratio Lower Upper
152 100
150 157.9 124.1 186.1
115 51.6 41.2 61.8



#2
1,4-Dioxane
Concen: 51.472 ng
RT: 3.251 min Scan# 45
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion: 88 Resp: 287618
Ion Ratio Lower Upper
88 100
58 68.7 55.1 82.7
43 26.0 20.9 31.3

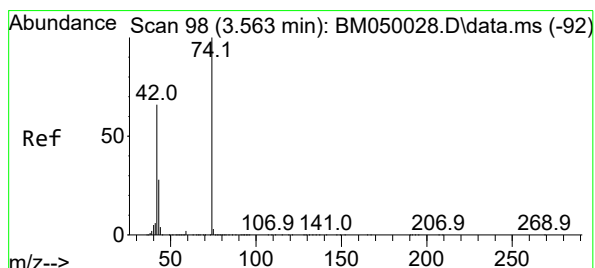
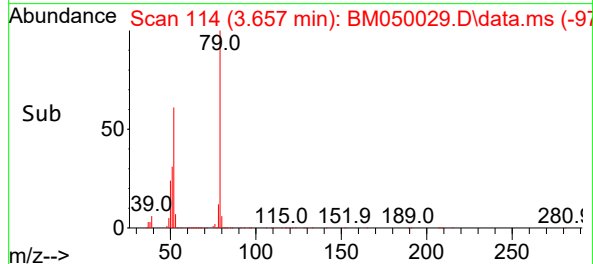
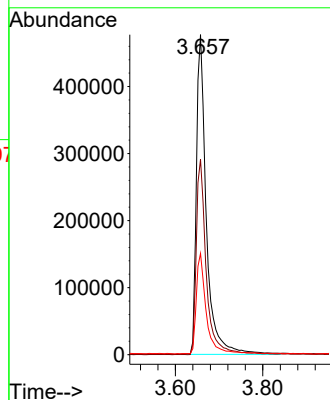
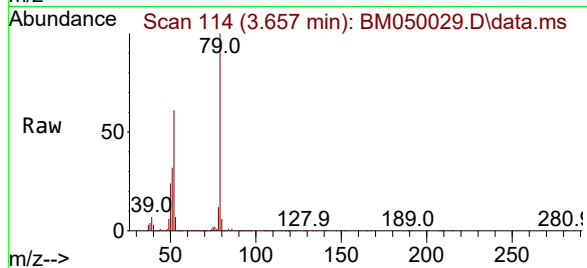




#3
Pyridine
Concen: 52.766 ng
RT: 3.657 min Scan# 114
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

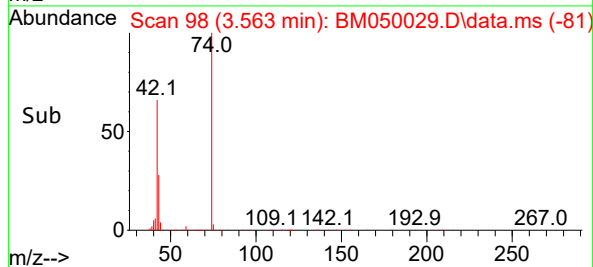
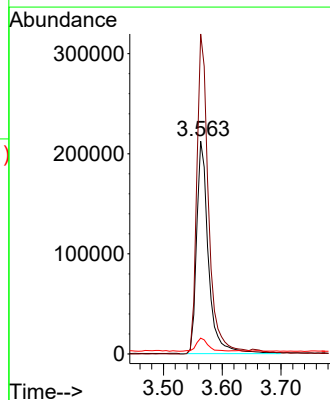
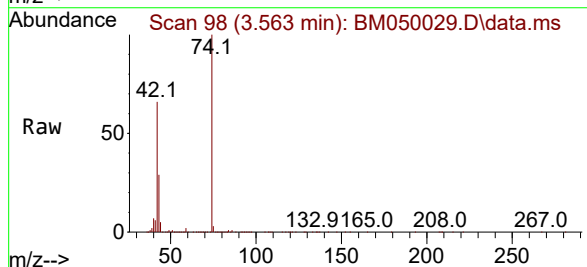
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ClientSampleId :
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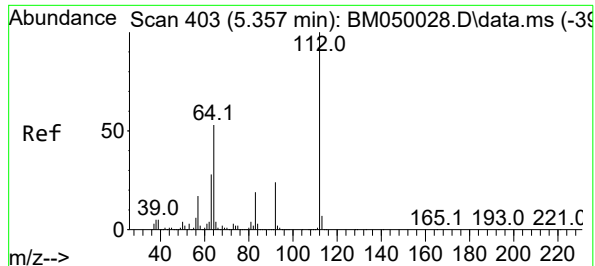
Tgt Ion: 79 Resp: 757569
Ion Ratio Lower Upper
79 100
52 61.0 48.6 72.8
51 31.7 24.6 37.0



#4
n-Nitrosodimethylamine
Concen: 52.476 ng
RT: 3.563 min Scan# 98
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion: 42 Resp: 295491
Ion Ratio Lower Upper
42 100
74 150.4 120.2 180.2
44 7.4 6.2 9.2

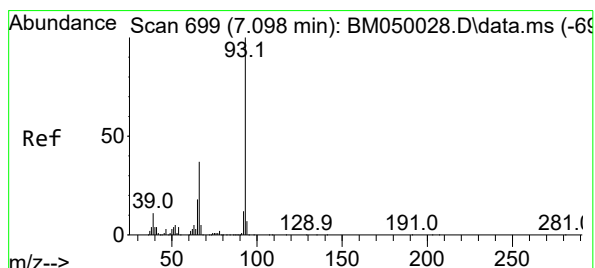
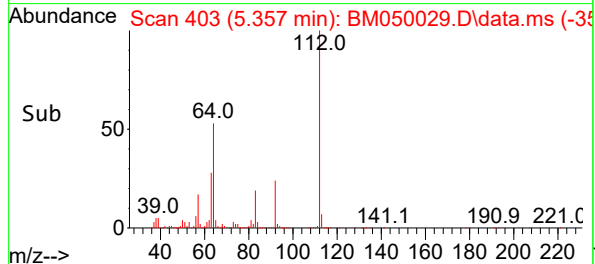
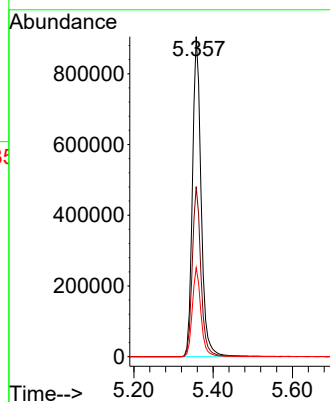
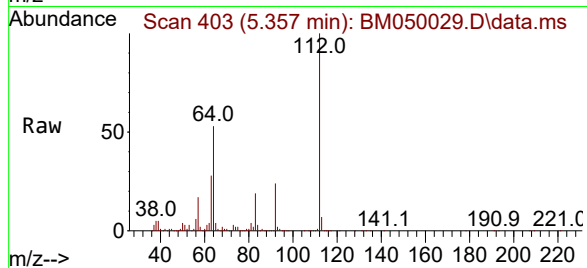




#5
2-Fluorophenol
Concen: 106.054 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

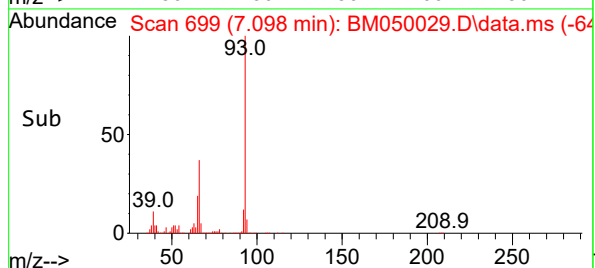
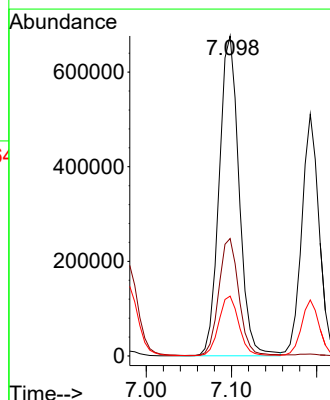
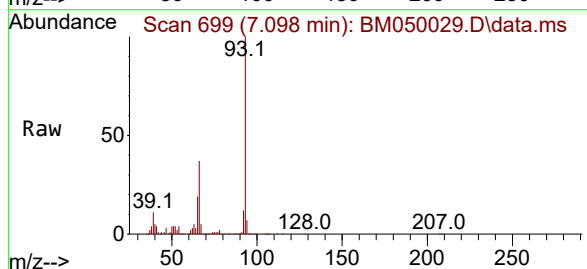
Instrument :
BNA_M
ClientSampleId :
SSTDICC050

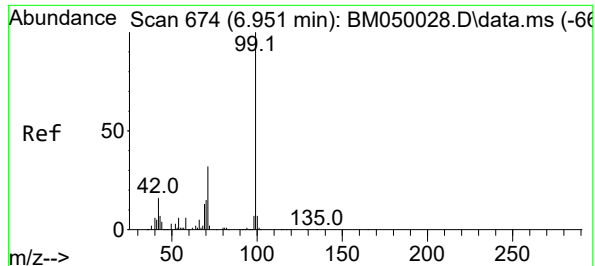
Tgt Ion:112 Resp: 1382138
Ion Ratio Lower Upper
112 100
64 53.2 42.6 64.0
63 27.8 22.2 33.4



#6
Aniline
Concen: 53.024 ng
RT: 7.098 min Scan# 699
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion: 93 Resp: 1096746
Ion Ratio Lower Upper
93 100
66 36.7 29.9 44.9
65 18.7 14.5 21.7



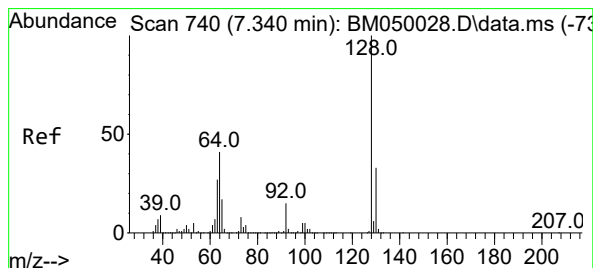
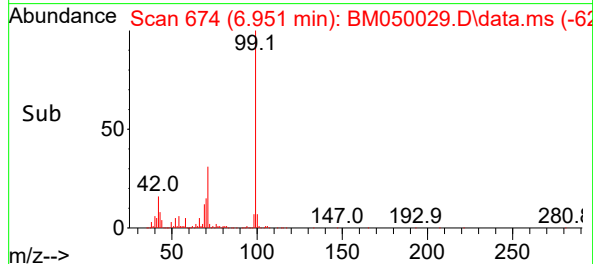
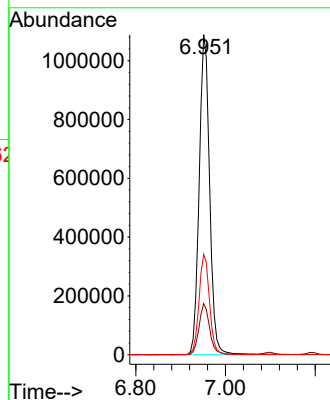
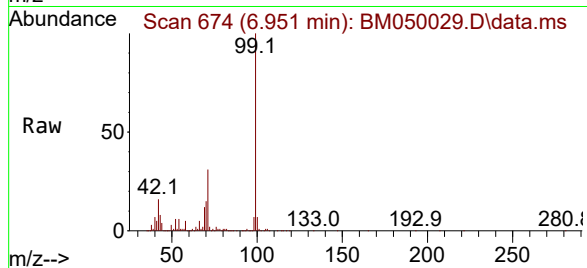


#7
Phenol-d6
Concen: 107.089 ng
RT: 6.951 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 1754123

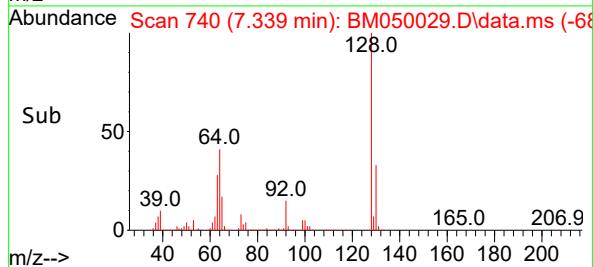
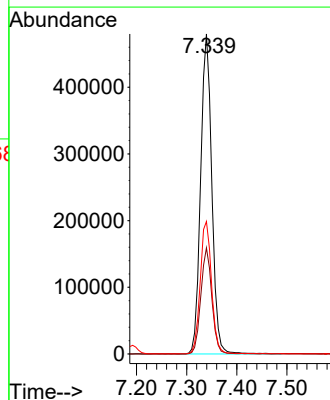
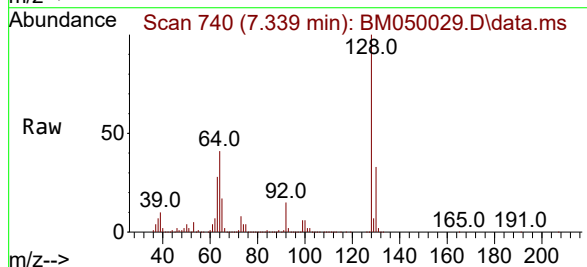
Ion	Ratio	Lower	Upper
99	100		
42	15.9	13.0	19.4
71	31.3	25.6	38.4

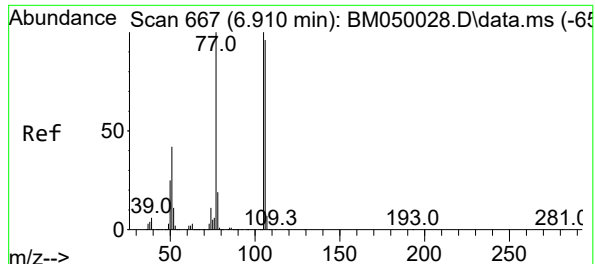


#8
2-Chlorophenol
Concen: 52.664 ng
RT: 7.339 min Scan# 740
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion: 128 Resp: 742074

Ion	Ratio	Lower	Upper
128	100		
130	33.2	12.8	52.8
64	41.4	21.2	61.2

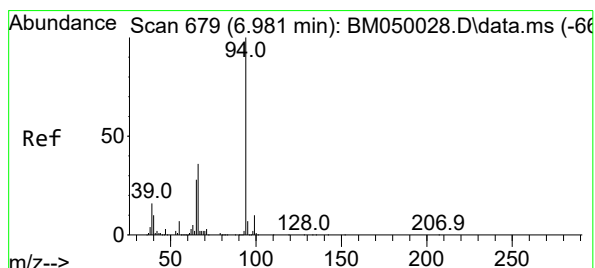
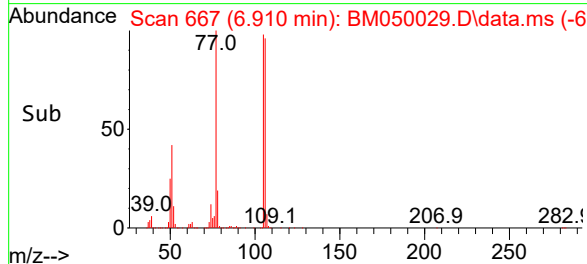
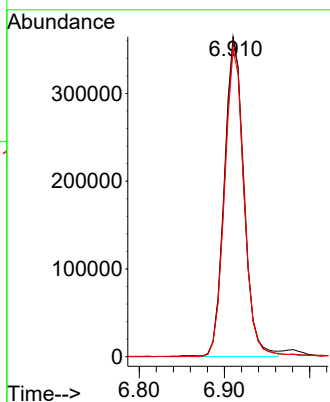
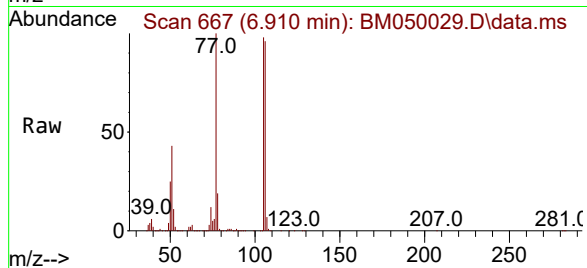




#9
Benzaldehyde
Concen: 52.770 ng
RT: 6.910 min Scan# 667
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

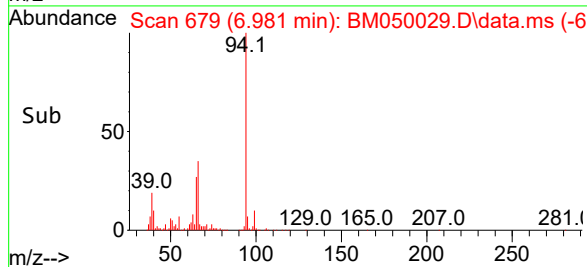
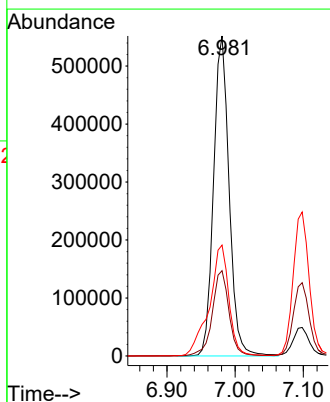
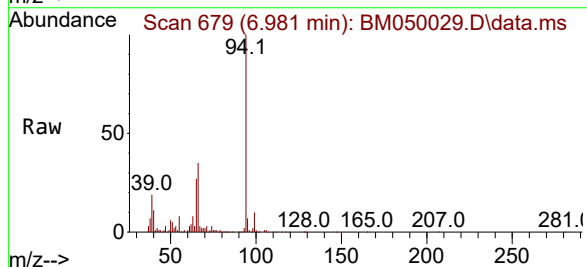
Instrument :
BNA_M
ClientSampleId :
SSTDICC050

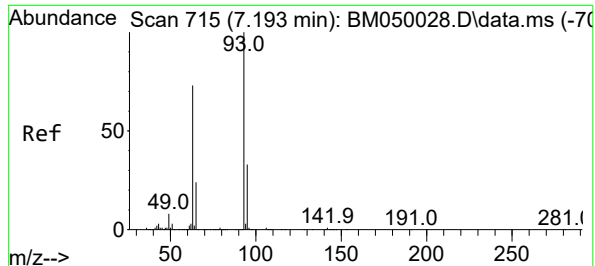
Tgt Ion: 77 Resp: 577740
Ion Ratio Lower Upper
77 100
105 98.2 80.5 120.5
106 95.9 76.1 116.1



#10
Phenol
Concen: 52.897 ng
RT: 6.981 min Scan# 679
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion: 94 Resp: 877155
Ion Ratio Lower Upper
94 100
65 26.6 7.6 47.6
66 34.7 15.8 55.8





#11

bis(2-Chloroethyl)ether

Concen: 52.379 ng

RT: 7.192 min Scan# 715

Delta R.T. -0.000 min

Lab File: BM050029.D

Acq: 28 Apr 2025 15:45

Instrument :

BNA_M

ClientSampleId :

SSTDICC050

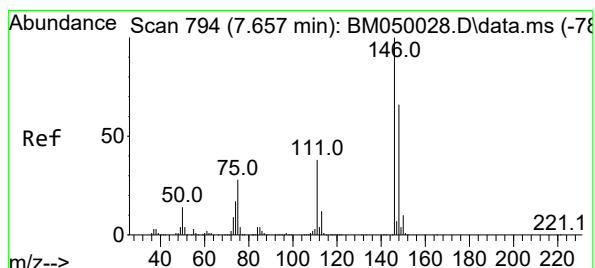
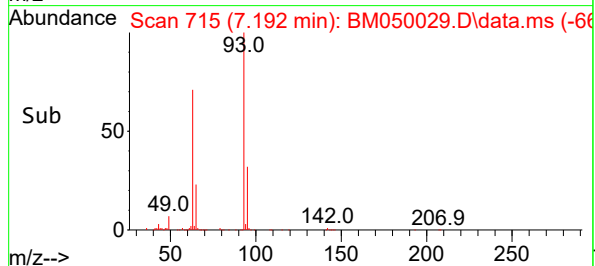
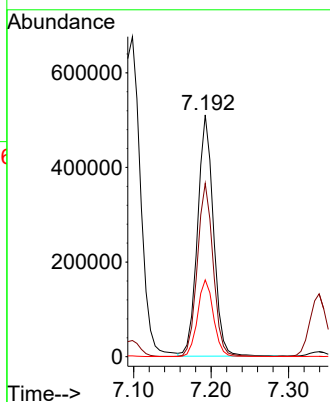
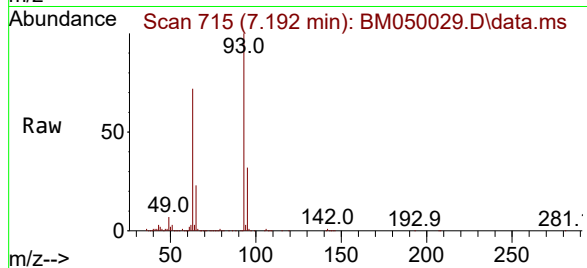
Tgt Ion: 93 Resp: 725268

Ion Ratio Lower Upper

93 100

63 71.7 52.3 92.3

95 31.8 12.8 52.8



#12

1,3-Dichlorobenzene

Concen: 52.004 ng

RT: 7.657 min Scan# 794

Delta R.T. -0.000 min

Lab File: BM050029.D

Acq: 28 Apr 2025 15:45

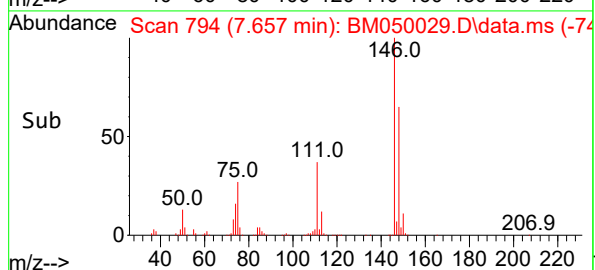
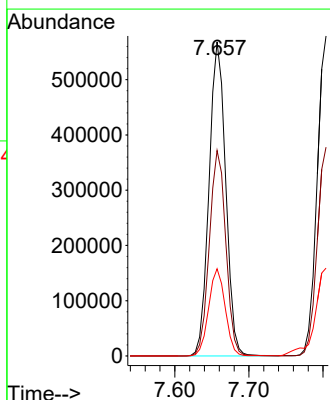
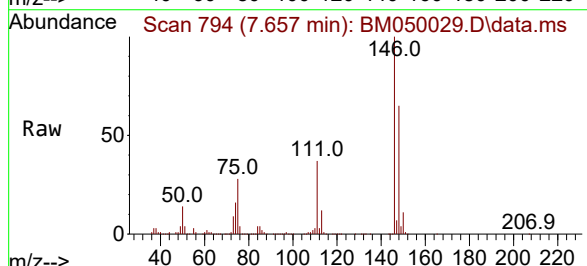
Tgt Ion:146 Resp: 885183

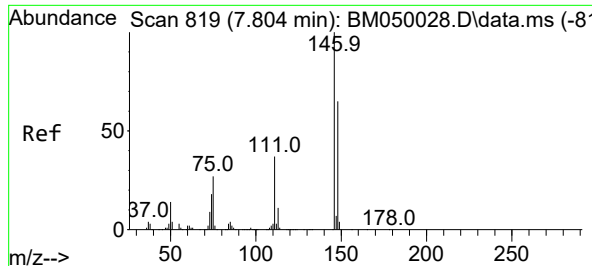
Ion Ratio Lower Upper

146 100

148 65.4 52.5 78.7

75 27.8 22.6 34.0





#13

1,4-Dichlorobenzene

Concen: 51.937 ng

RT: 7.804 min Scan# 819

Delta R.T. -0.000 min

Lab File: BM050029.D

Acq: 28 Apr 2025 15:45

Instrument :

BNA_M

ClientSampleId :

SSTDICC050

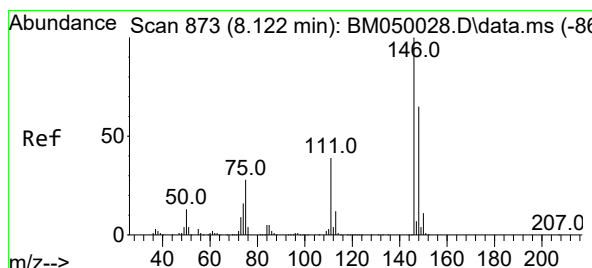
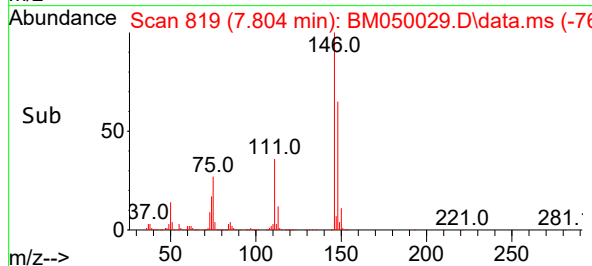
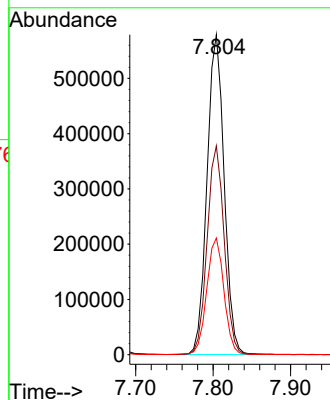
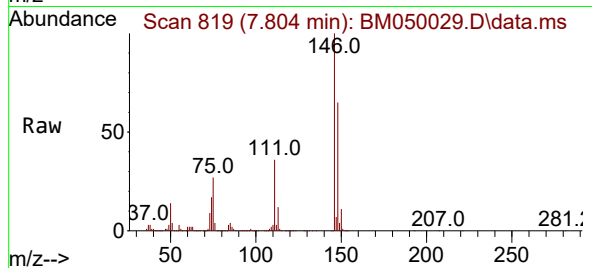
Tgt Ion:146 Resp: 888114

Ion Ratio Lower Upper

146 100

148 65.2 52.2 78.2

111 36.5 29.3 43.9



#14

1,2-Dichlorobenzene

Concen: 52.033 ng

RT: 8.122 min Scan# 873

Delta R.T. -0.000 min

Lab File: BM050029.D

Acq: 28 Apr 2025 15:45

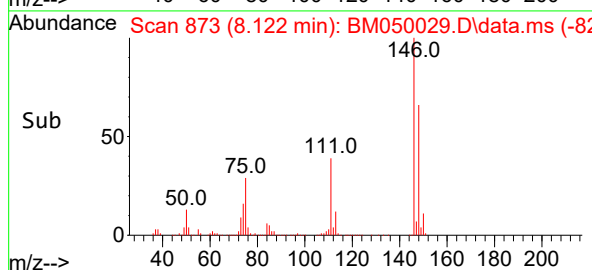
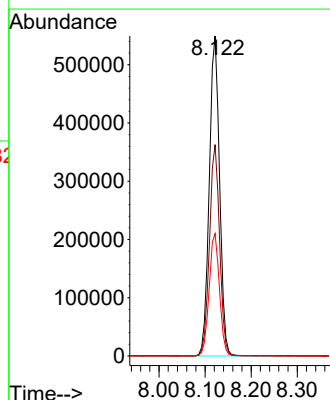
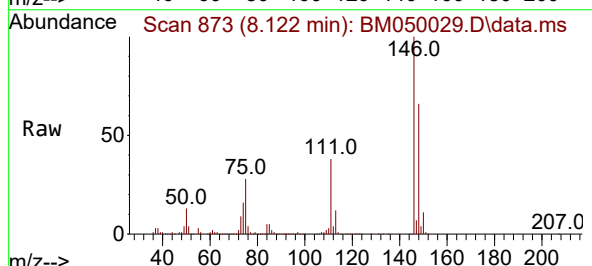
Tgt Ion:146 Resp: 859475

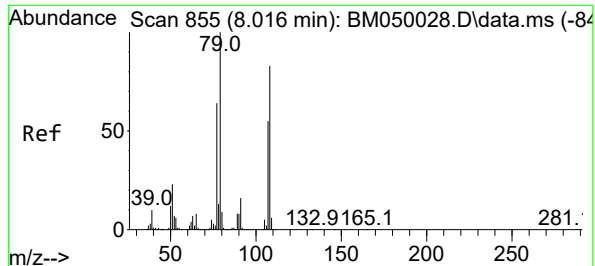
Ion Ratio Lower Upper

146 100

148 66.1 52.4 78.6

111 38.2 31.0 46.6





#15

Benzyl Alcohol

Concen: 53.947 ng

RT: 8.016 min Scan# 855

Delta R.T. -0.000 min

Lab File: BM050029.D

Acq: 28 Apr 2025 15:45

Instrument :

BNA_M

ClientSampleId :

SSTDICC050

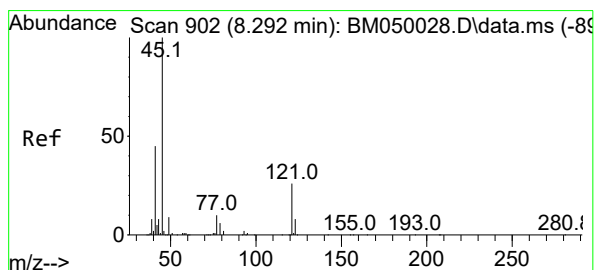
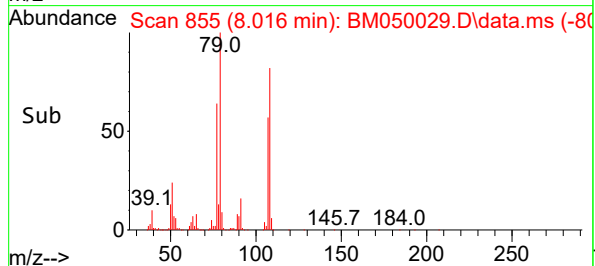
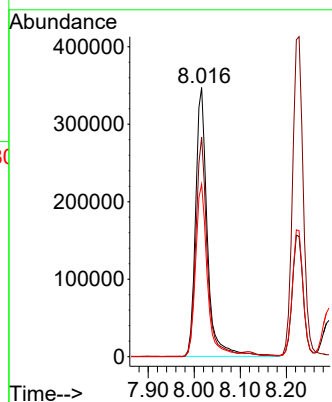
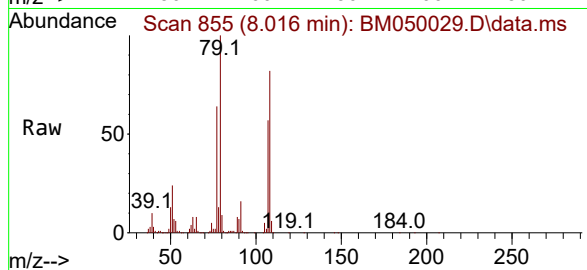
Tgt Ion: 79 Resp: 612811

Ion Ratio Lower Upper

79 100

108 81.6 66.0 99.0

77 64.1 51.6 77.4



#16

2,2'-oxybis(1-chloropropane)

Concen: 51.300 ng

RT: 8.292 min Scan# 902

Delta R.T. -0.000 min

Lab File: BM050029.D

Acq: 28 Apr 2025 15:45

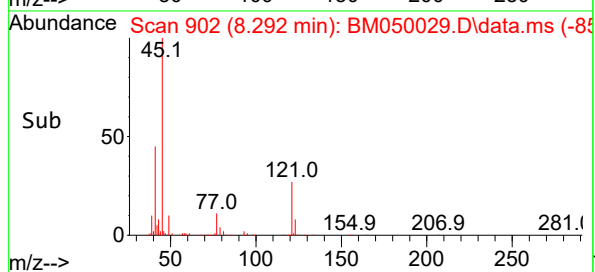
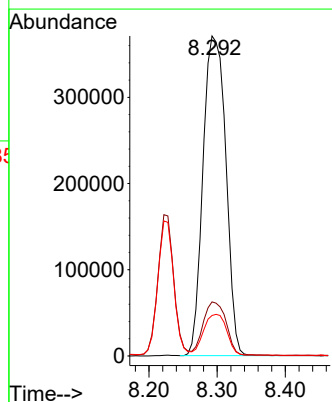
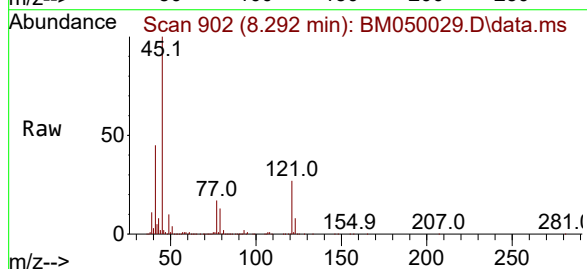
Tgt Ion: 45 Resp: 863443

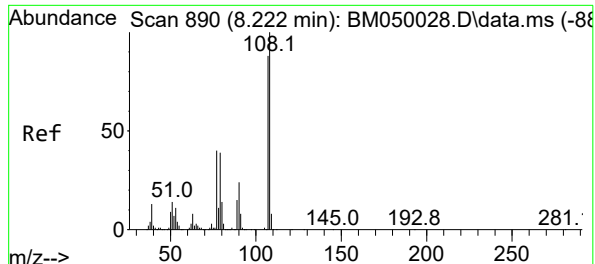
Ion Ratio Lower Upper

45 100

77 16.9 0.0 36.4

79 12.7 0.0 32.7





#17

2-Methylphenol

Concen: 53.563 ng

RT: 8.228 min Scan# 890

Delta R.T. 0.006 min

Lab File: BM050029.D

Acq: 28 Apr 2025 15:45

Instrument :

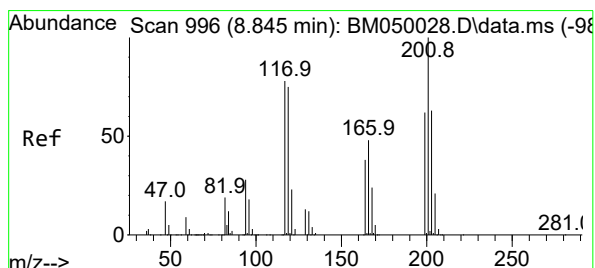
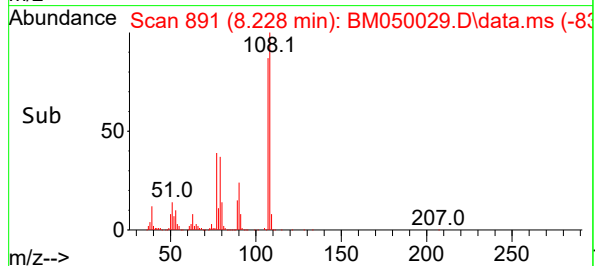
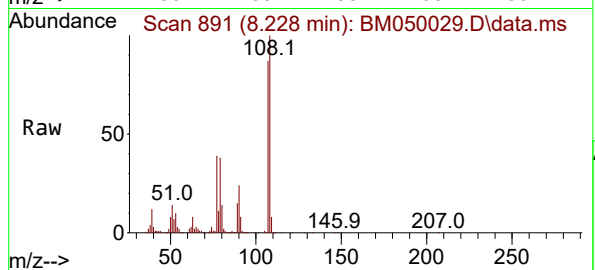
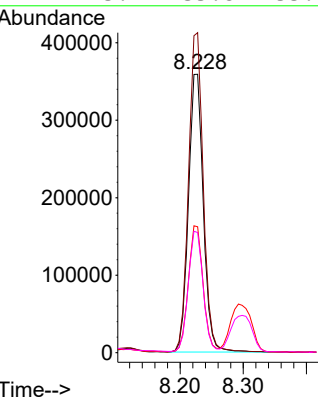
BNA_M

ClientSampleId :

SSTDICC050

Tgt Ion:107 Resp: 585120

Ion	Ratio	Lower	Upper
107	100		
108	114.9	91.1	136.7
77	45.2	36.2	54.4
79	43.1	35.8	53.8



#18

Hexachloroethane

Concen: 51.444 ng

RT: 8.845 min Scan# 996

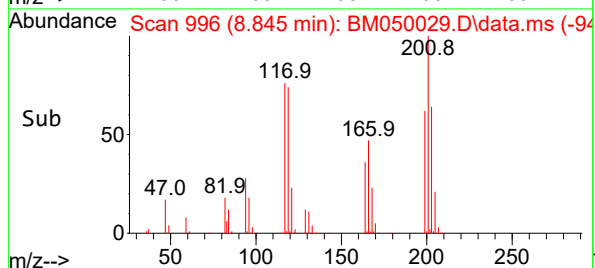
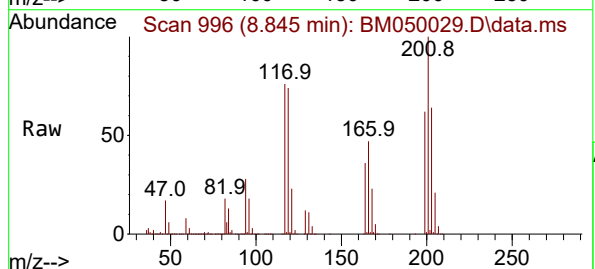
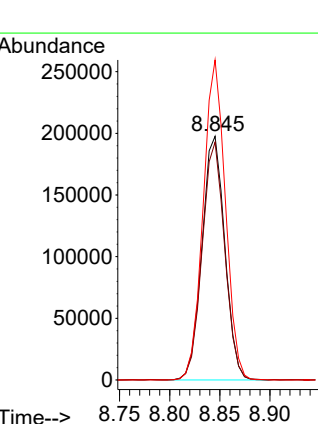
Delta R.T. -0.000 min

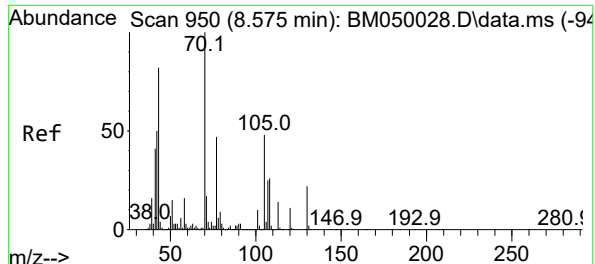
Lab File: BM050029.D

Acq: 28 Apr 2025 15:45

Tgt Ion:117 Resp: 312710

Ion	Ratio	Lower	Upper
117	100		
119	97.6	77.3	115.9
201	131.4	102.8	154.2





#19

n-Nitroso-di-n-propylamine

Concen: 53.672 ng

RT: 8.575 min Scan# 91

Delta R.T. -0.000 min

Lab File: BM050029.D

Acq: 28 Apr 2025 15:45

Instrument :

BNA_M

ClientSampleId :

SSTDICC050

Tgt Ion: 70 Resp: 563847

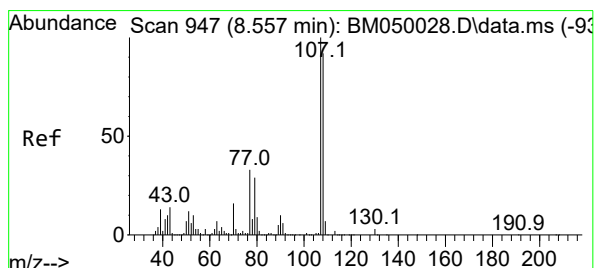
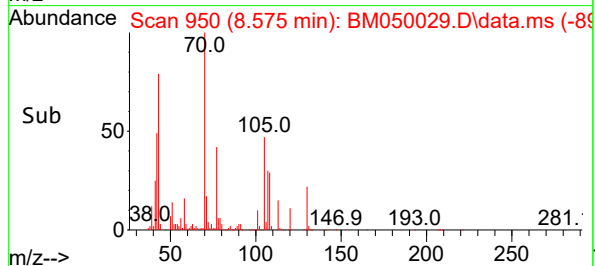
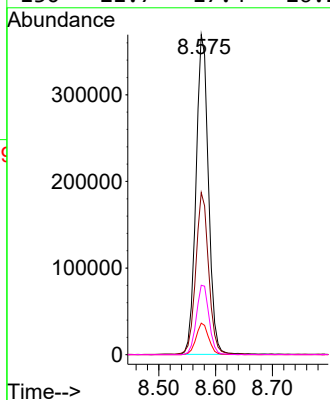
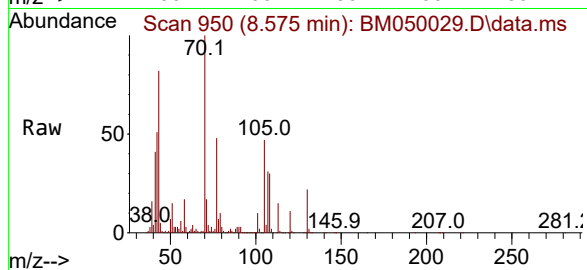
Ion Ratio Lower Upper

70 100

42 50.7 40.5 60.7

101 9.8 7.8 11.6

130 21.7 17.4 26.2



#20

3+4-Methylphenols

Concen: 53.851 ng

RT: 8.551 min Scan# 946

Delta R.T. -0.006 min

Lab File: BM050029.D

Acq: 28 Apr 2025 15:45

Tgt Ion: 107 Resp: 794422

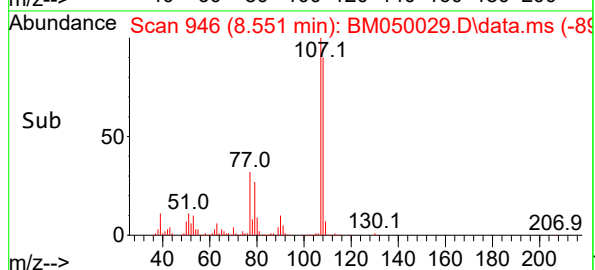
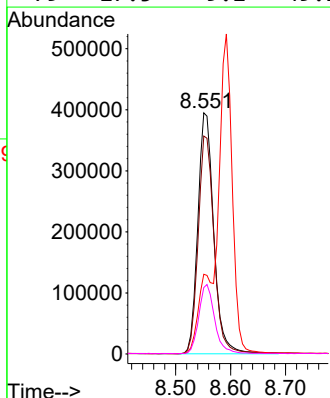
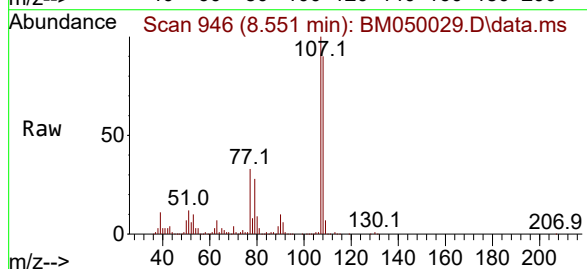
Ion Ratio Lower Upper

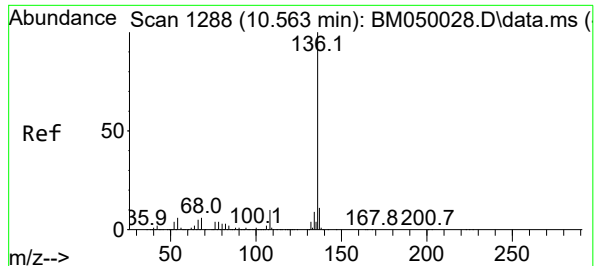
107 100

108 90.4 72.4 112.4

77 33.0 13.6 53.6

79 27.5 9.2 49.2

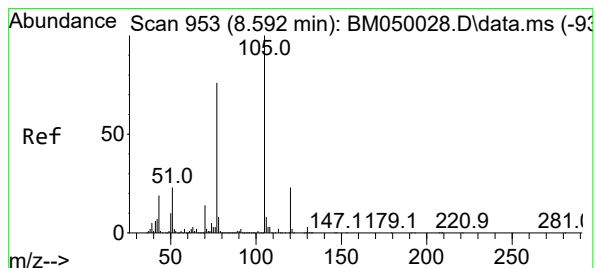
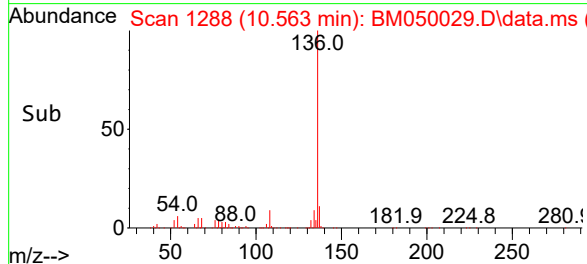
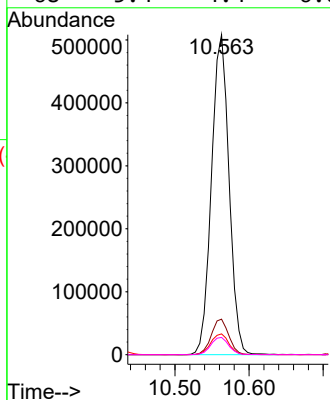
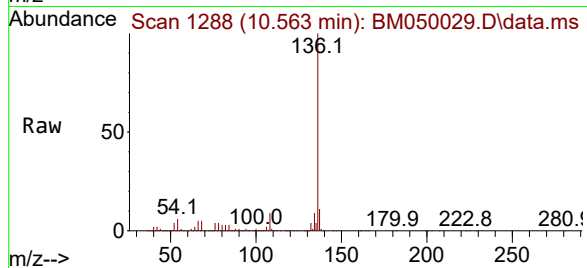




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1288
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

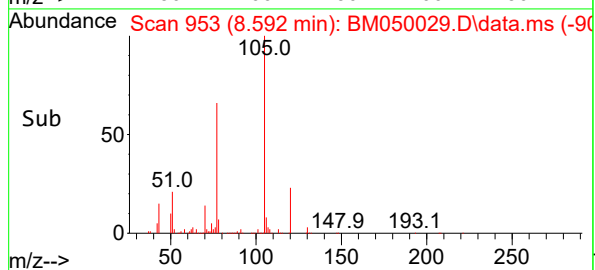
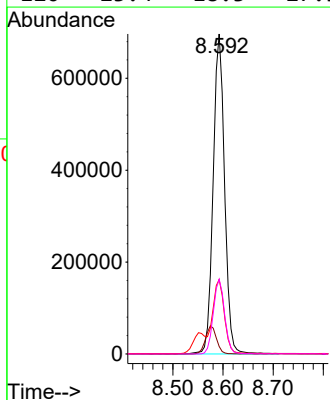
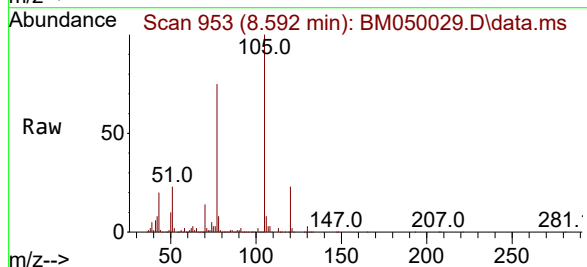
Instrument :
BNA_M
ClientSampleId :
SSTDICC050

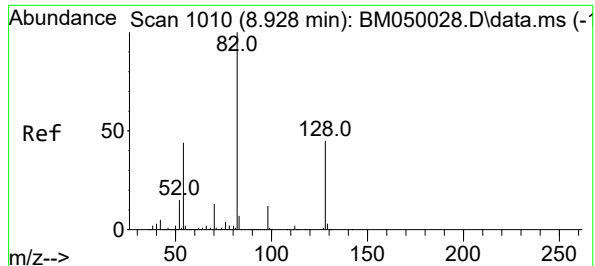
Tgt Ion:136 Resp: 837552
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 6.5 5.1 7.7
68 5.4 4.4 6.6



#22
Acetophenone
Concen: 52.827 ng
RT: 8.592 min Scan# 953
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:105 Resp: 1100024
Ion Ratio Lower Upper
105 100
71 2.3 1.7 2.5
51 23.2 18.6 27.8
120 23.4 18.3 27.5





#23

Nitrobenzene-d5

Concen: 106.560 ng

RT: 8.928 min Scan# 1010

Delta R.T. -0.000 min

Lab File: BM050029.D

Acq: 28 Apr 2025 15:45

Instrument :

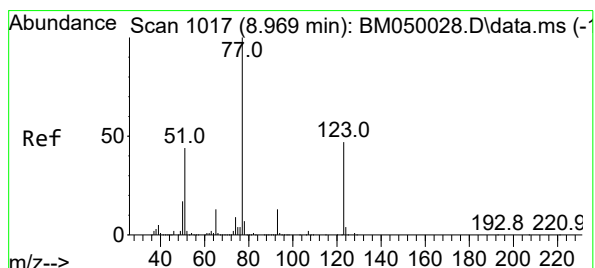
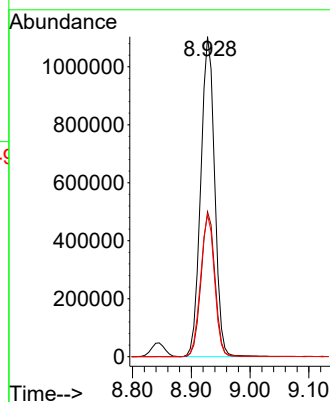
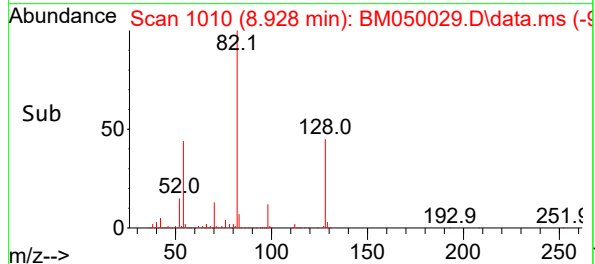
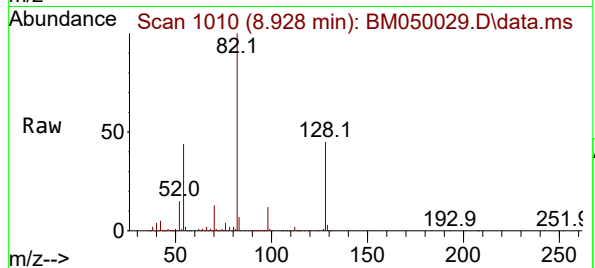
BNA_M

ClientSampleId :

SSTDICC050

Tgt Ion: 82 Resp: 1811208

Ion	Ratio	Lower	Upper
82	100		
128	45.3	35.7	53.5
54	44.3	35.4	53.2



#24

Nitrobenzene

Concen: 53.020 ng

RT: 8.969 min Scan# 1017

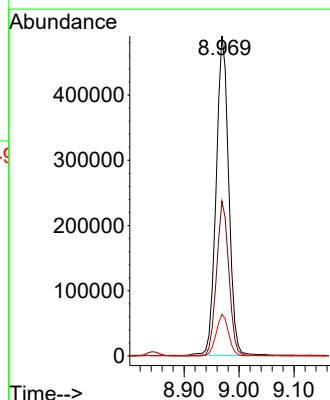
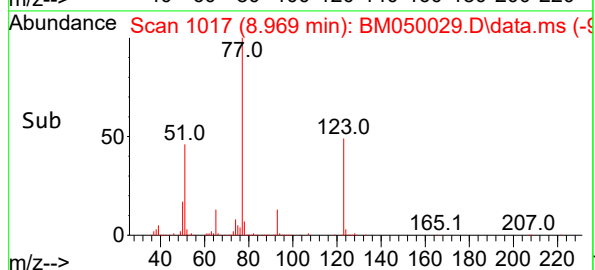
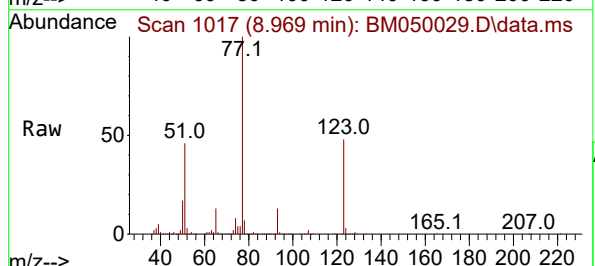
Delta R.T. -0.000 min

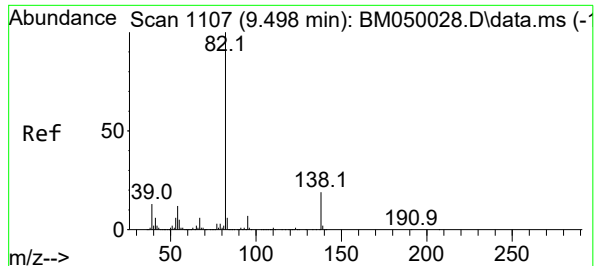
Lab File: BM050029.D

Acq: 28 Apr 2025 15:45

Tgt Ion: 77 Resp: 779215

Ion	Ratio	Lower	Upper
77	100		
123	48.4	37.9	56.9
65	13.0	10.1	15.1

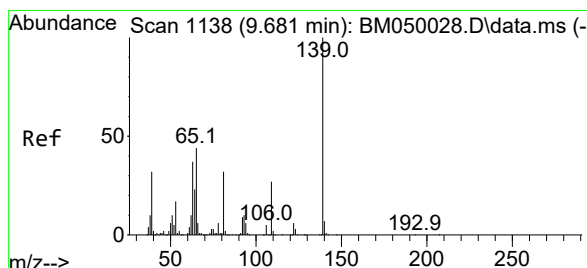
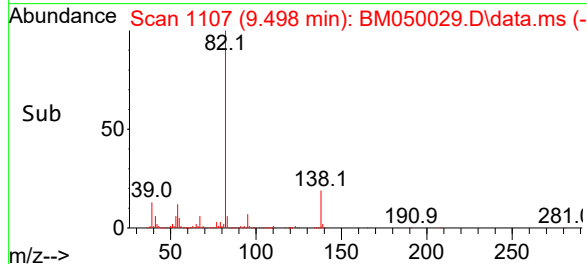
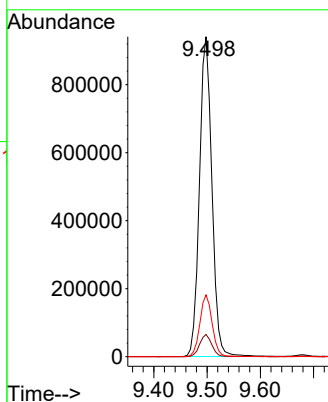
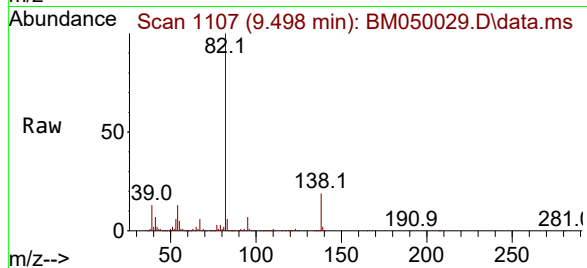




#25
Isophorone
Concen: 52.685 ng
RT: 9.498 min Scan# 1107
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

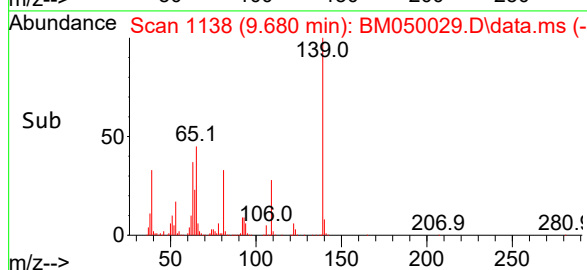
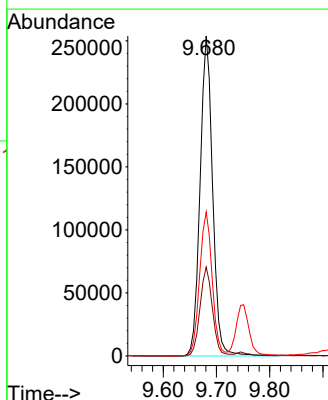
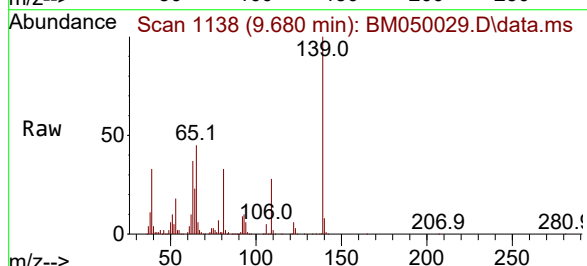
Instrument :
BNA_M
ClientSampleId :
SSTDICC050

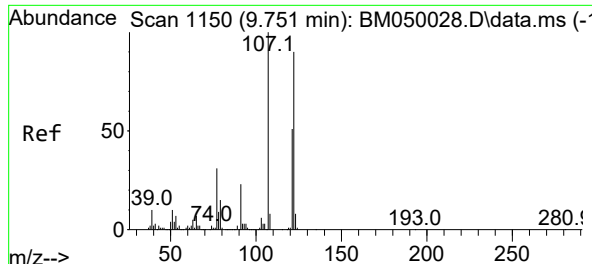
Tgt Ion: 82 Resp: 1526436
Ion Ratio Lower Upper
82 100
95 7.0 5.7 8.5
138 19.3 15.5 23.3



#26
2-Nitrophenol
Concen: 55.315 ng
RT: 9.680 min Scan# 1138
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion: 139 Resp: 415316
Ion Ratio Lower Upper
139 100
109 27.8 21.9 32.9
65 45.0 35.4 53.2





#27

2,4-Dimethylphenol

Concen: 54.175 ng

RT: 9.751 min Scan# 1150

Delta R.T. -0.000 min

Lab File: BM050029.D

Acq: 28 Apr 2025 15:45

Instrument :

BNA_M

ClientSampleId :

SSTDICC050

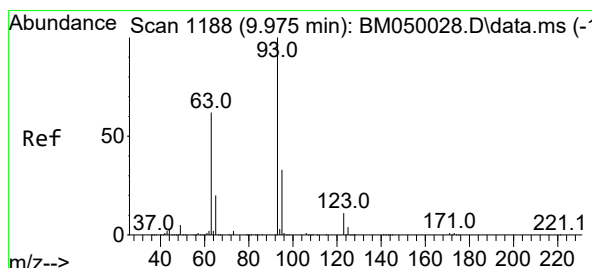
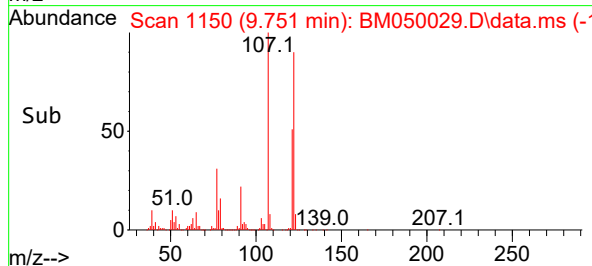
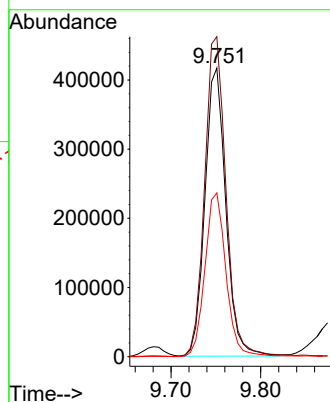
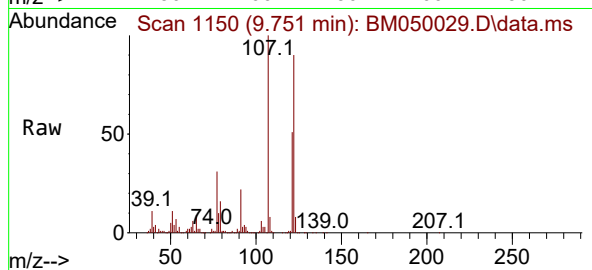
Tgt Ion:122 Resp: 674547

Ion Ratio Lower Upper

122 100

107 110.9 89.0 133.6

121 56.7 45.6 68.4



#28

bis(2-Chloroethoxy)methane

Concen: 52.843 ng

RT: 9.975 min Scan# 1188

Delta R.T. -0.000 min

Lab File: BM050029.D

Acq: 28 Apr 2025 15:45

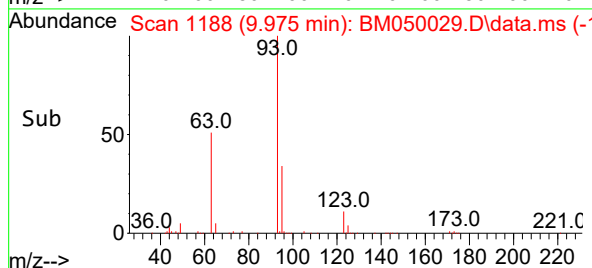
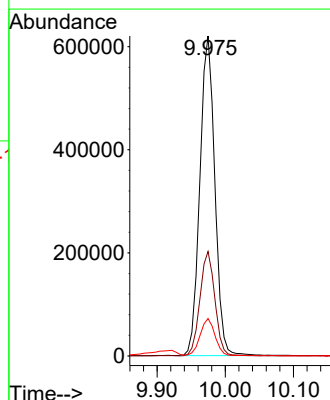
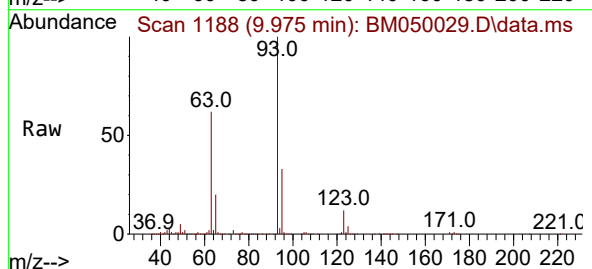
Tgt Ion: 93 Resp: 946285

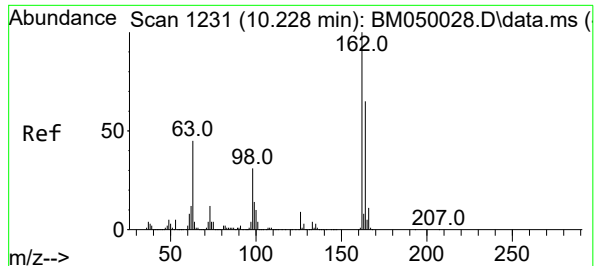
Ion Ratio Lower Upper

93 100

95 32.6 26.1 39.1

123 11.7 9.5 14.3





#29

2,4-Dichlorophenol

Concen: 53.847 ng

RT: 10.227 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM050029.D

Acq: 28 Apr 2025 15:45

Instrument :

BNA_M

ClientSampleId :

SSTDIC050

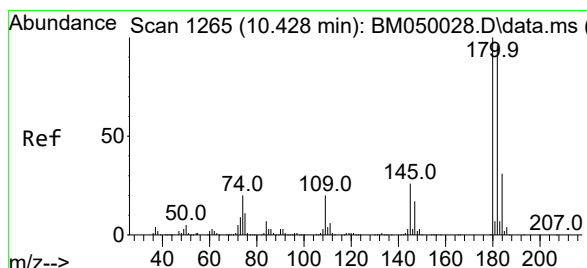
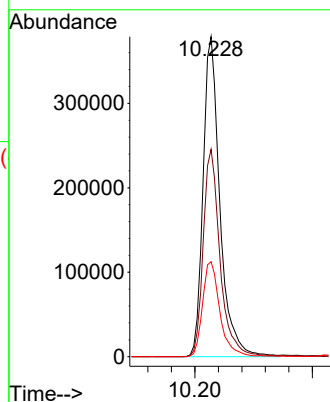
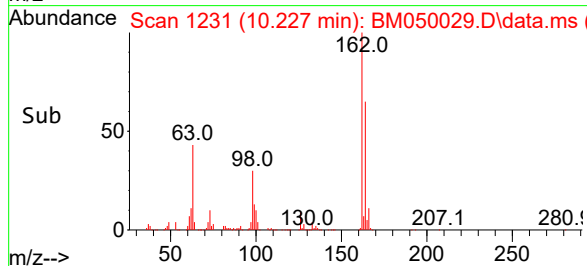
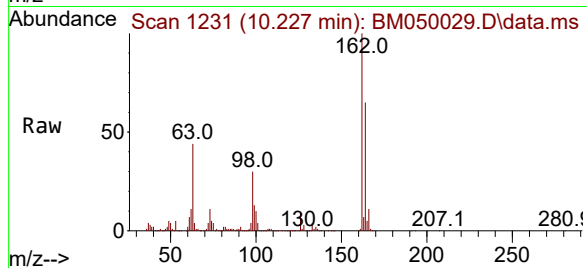
Tgt Ion:162 Resp: 751117

Ion Ratio Lower Upper

162 100

164 64.8 45.4 85.4

98 29.7 11.3 51.3



#30

1,2,4-Trichlorobenzene

Concen: 52.457 ng

RT: 10.427 min Scan# 1265

Delta R.T. -0.000 min

Lab File: BM050029.D

Acq: 28 Apr 2025 15:45

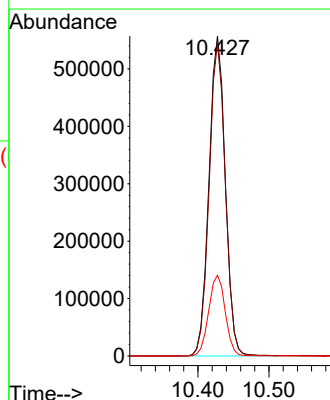
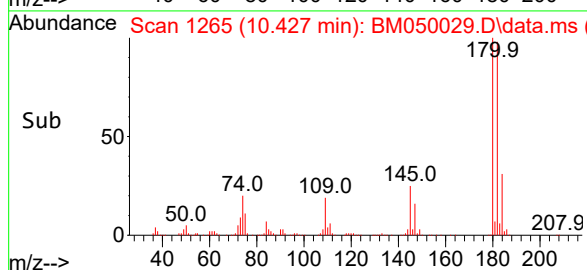
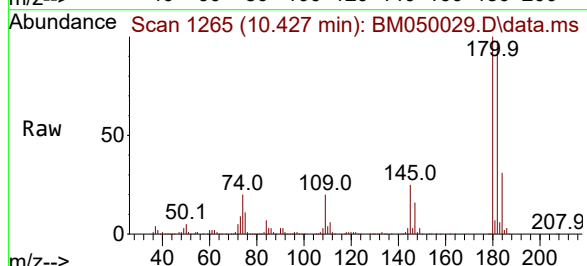
Tgt Ion:180 Resp: 891501

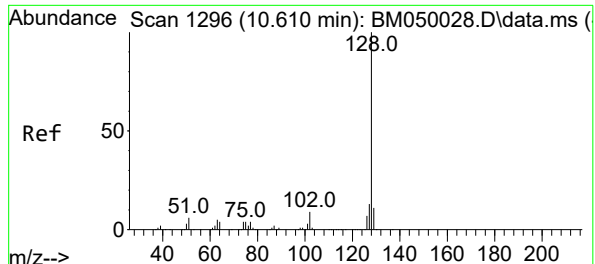
Ion Ratio Lower Upper

180 100

182 97.9 77.0 115.4

145 25.3 20.6 30.8

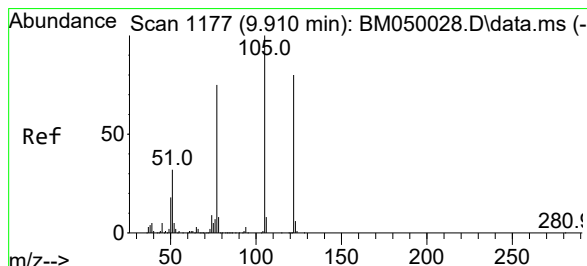
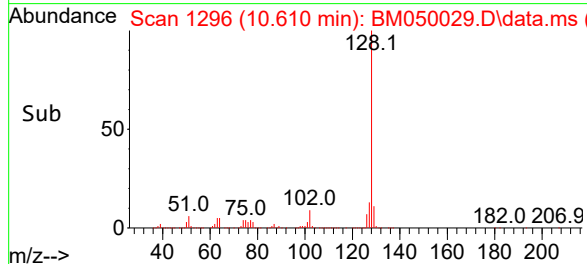
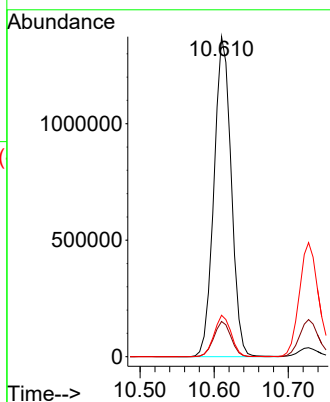
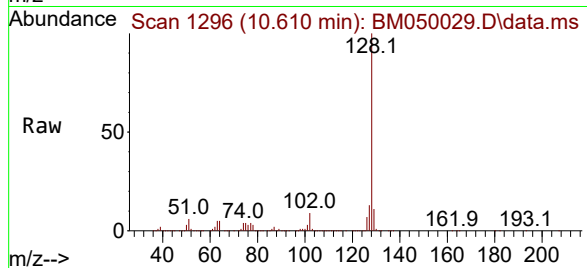




#31
Naphthalene
Concen: 52.198 ng
RT: 10.610 min Scan# 1296
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

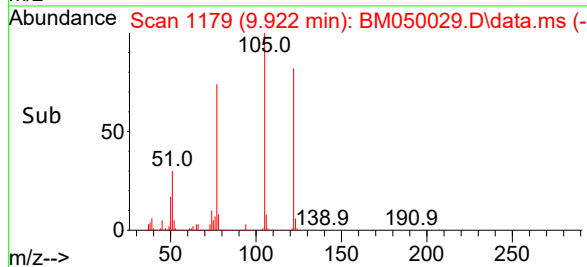
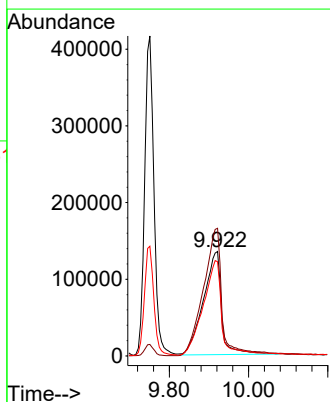
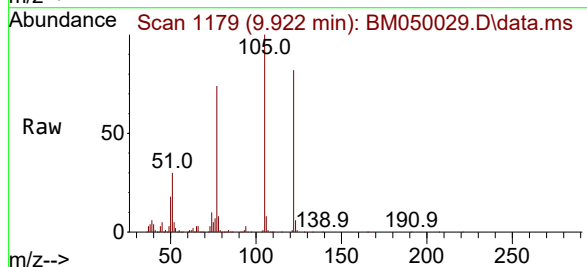
Instrument :
BNA_M
ClientSampleId :
SSTDICC050

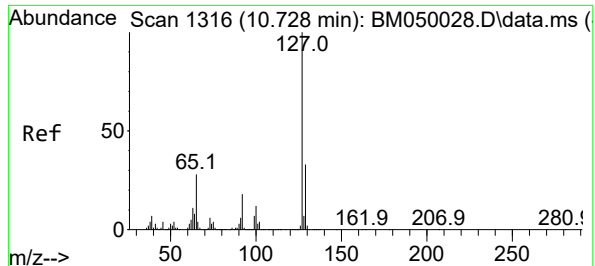
Tgt Ion:128 Resp: 2214025
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 13.0 10.4 15.6



#32
Benzoic acid
Concen: 54.343 ng
RT: 9.922 min Scan# 1179
Delta R.T. 0.012 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:122 Resp: 431557
Ion Ratio Lower Upper
122 100
105 122.2 103.6 143.6
77 90.1 73.7 113.7





#33

4-Chloroaniline

Concen: 53.913 ng

RT: 10.727 min Scan# 1316

Delta R.T. -0.000 min

Lab File: BM050029.D

Acq: 28 Apr 2025 15:45

Instrument :

BNA_M

ClientSampleId :

SSTDICC050

Tgt Ion:127 Resp: 937309

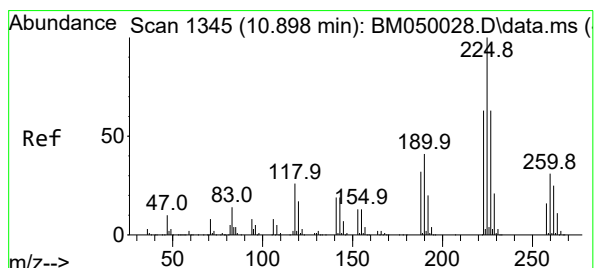
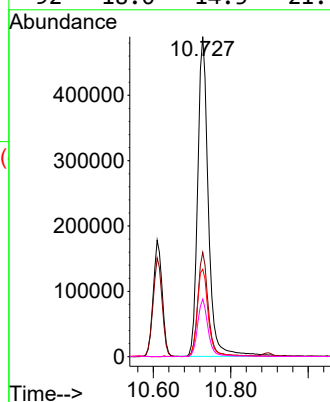
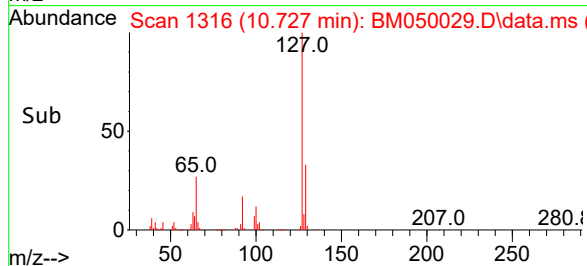
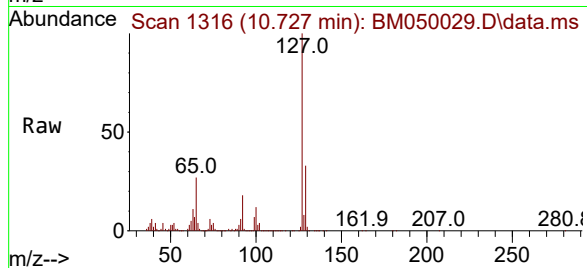
Ion Ratio Lower Upper

127 100

129 32.6 26.3 39.5

65 27.3 22.5 33.7

92 18.0 14.5 21.7



#34

Hexachlorobutadiene

Concen: 52.471 ng

RT: 10.898 min Scan# 1345

Delta R.T. -0.000 min

Lab File: BM050029.D

Acq: 28 Apr 2025 15:45

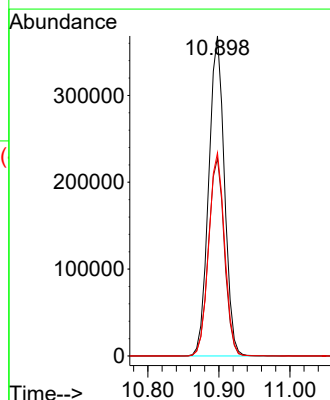
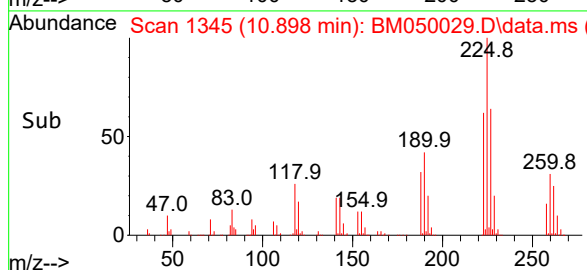
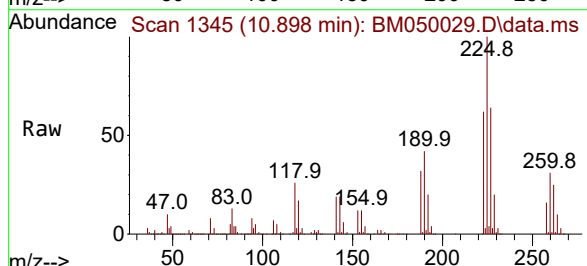
Tgt Ion:225 Resp: 566049

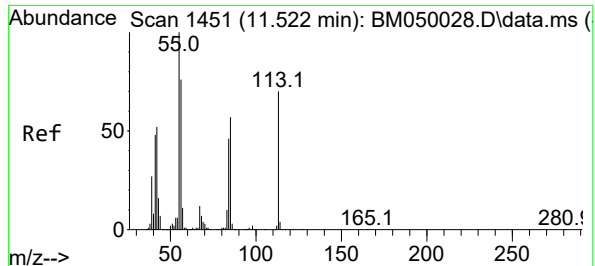
Ion Ratio Lower Upper

225 100

223 61.8 50.2 75.2

227 63.5 50.6 76.0

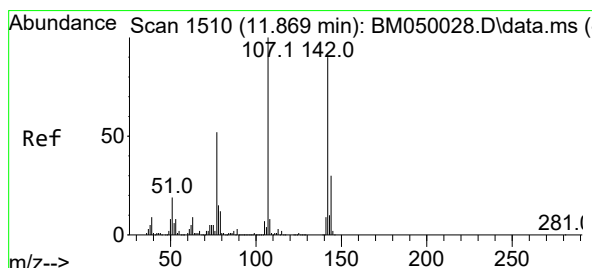
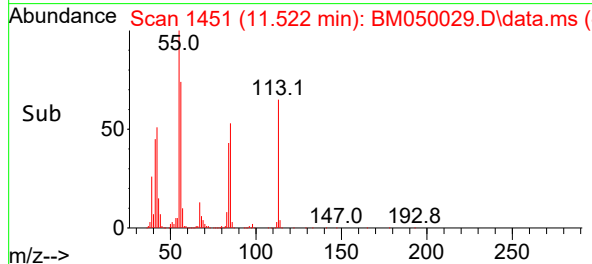
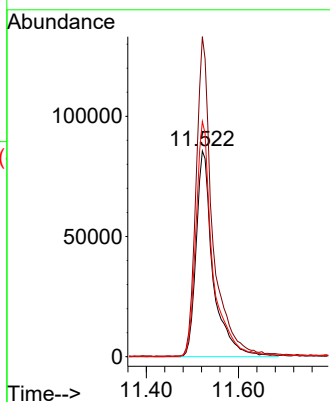
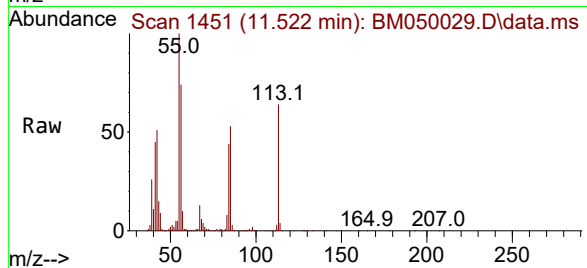




#35
Caprolactam
Concen: 53.741 ng
RT: 11.522 min Scan# 1451
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

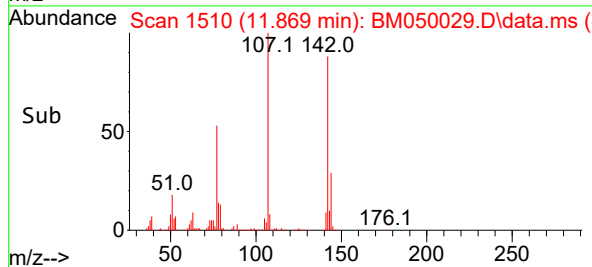
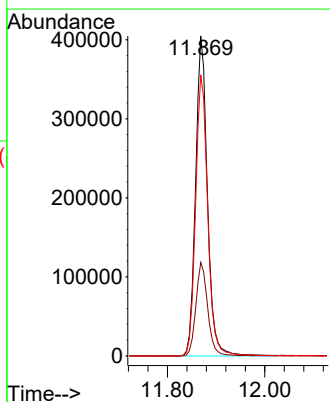
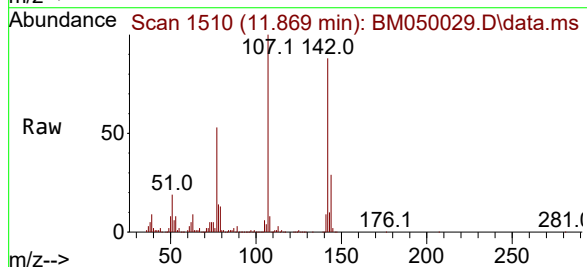
Instrument :
BNA_M
ClientSampleId :
SSTDICC050

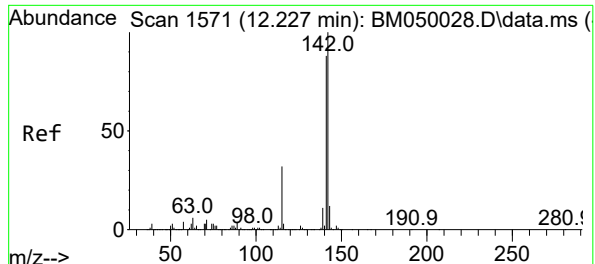
Tgt Ion:113 Resp: 218572
Ion Ratio Lower Upper
113 100
55 155.5 122.9 162.9
56 114.3 88.1 128.1



#36
4-Chloro-3-methylphenol
Concen: 53.394 ng
RT: 11.869 min Scan# 1510
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:107 Resp: 688099
Ion Ratio Lower Upper
107 100
144 29.2 23.8 35.6
142 87.9 71.9 107.9

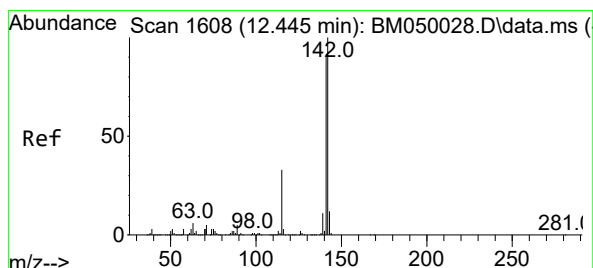
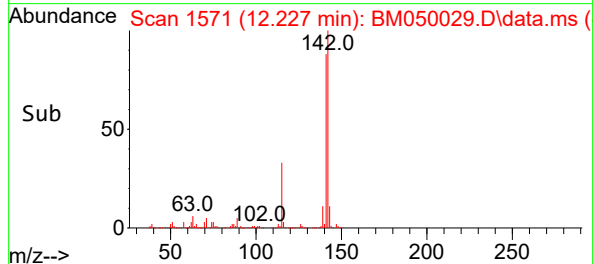
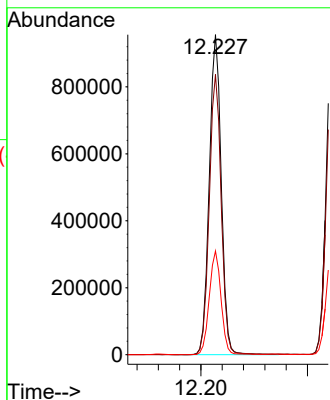
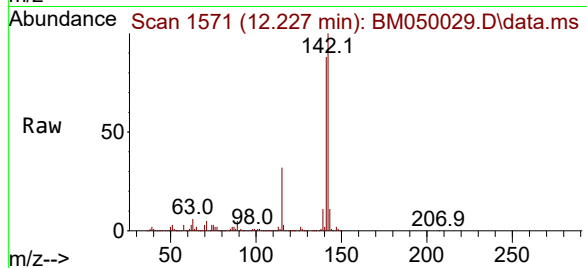




#37
2-Methylnaphthalene
Concen: 52.548 ng
RT: 12.227 min Scan# 1571
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

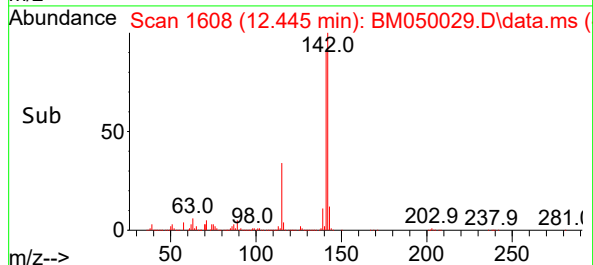
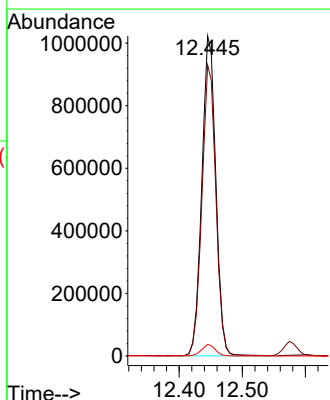
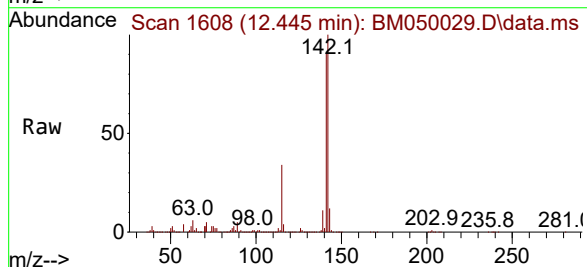
Instrument :
BNA_M
ClientSampleId :
SSTDICC050

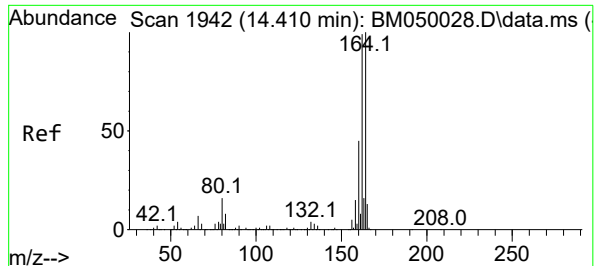
Tgt Ion:142 Resp: 1494348
Ion Ratio Lower Upper
142 100
141 87.5 70.4 105.6
115 32.4 25.4 38.2



#38
1-Methylnaphthalene
Concen: 52.243 ng
RT: 12.445 min Scan# 1608
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:142 Resp: 1572248
Ion Ratio Lower Upper
142 100
141 90.9 72.1 108.1
116 3.6 2.7 4.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.410 min Scan# 1942

Delta R.T. -0.000 min

Lab File: BM050029.D

Acq: 28 Apr 2025 15:45

Instrument :

BNA_M

ClientSampleId :

SSTDICC050

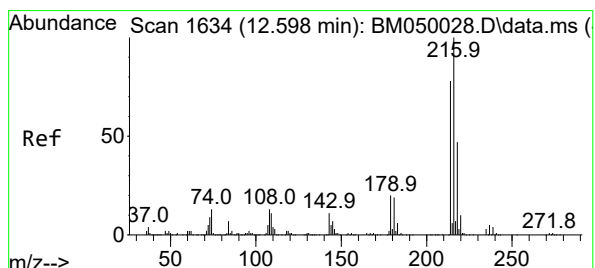
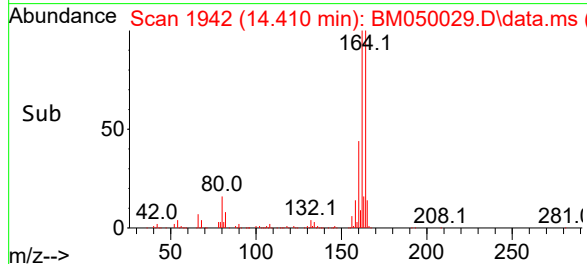
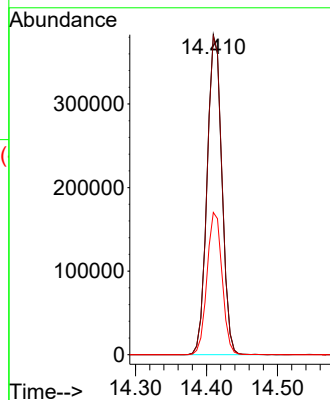
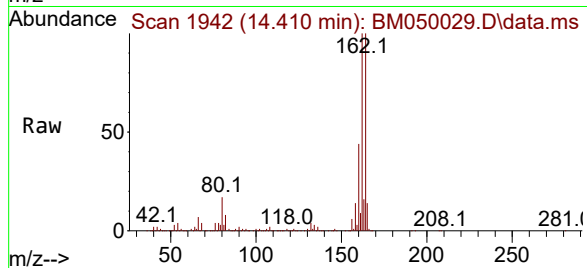
Tgt Ion:164 Resp: 554448

Ion Ratio Lower Upper

164 100

162 99.5 79.4 119.0

160 44.4 36.2 54.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 53.822 ng

RT: 12.604 min Scan# 1635

Delta R.T. 0.006 min

Lab File: BM050029.D

Acq: 28 Apr 2025 15:45

Tgt Ion:216 Resp: 1033027

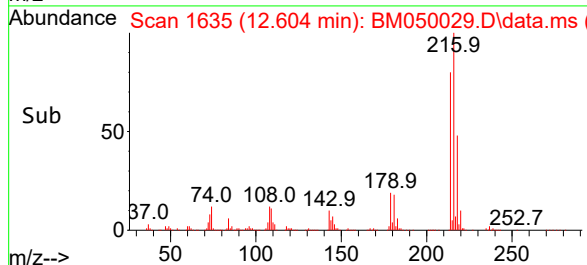
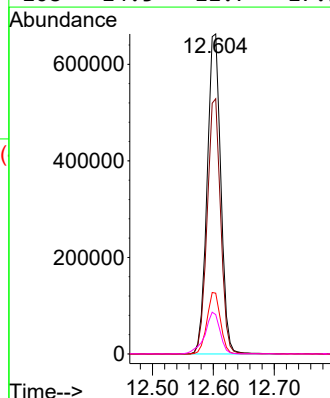
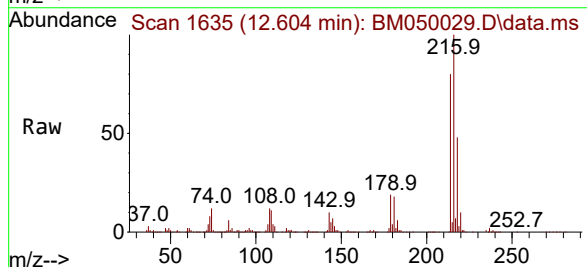
Ion Ratio Lower Upper

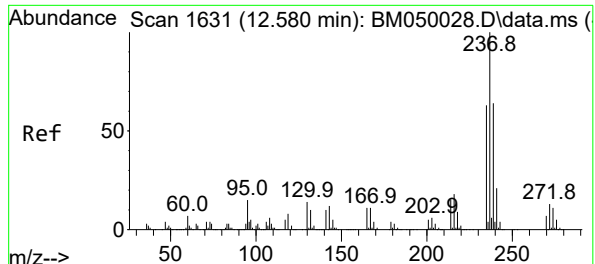
216 100

214 78.6 62.3 93.5

179 19.1 15.4 23.0

108 14.5 11.7 17.5

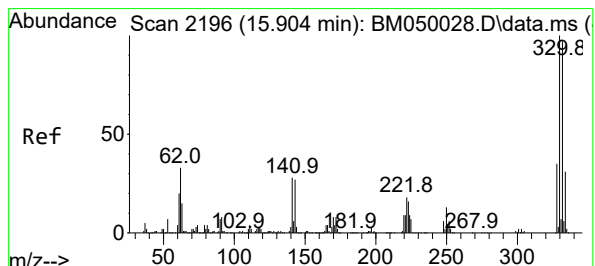
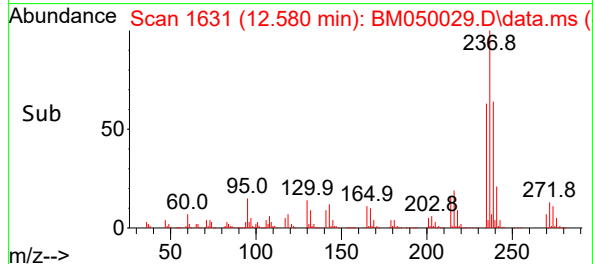
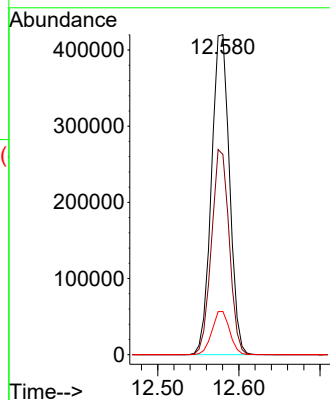
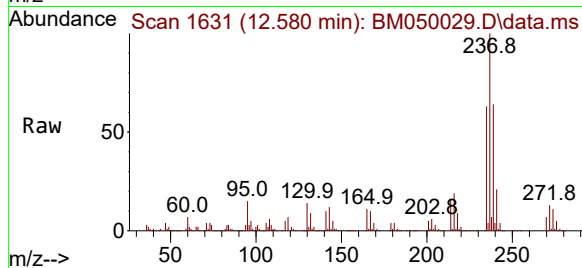




#41
Hexachlorocyclopentadiene
Concen: 55.336 ng
RT: 12.580 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

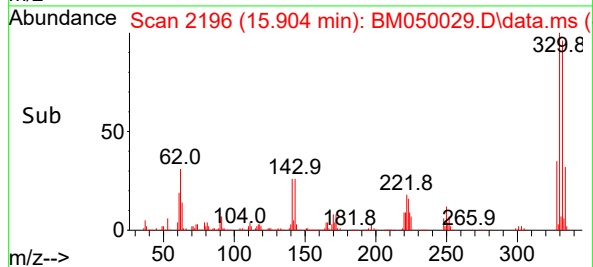
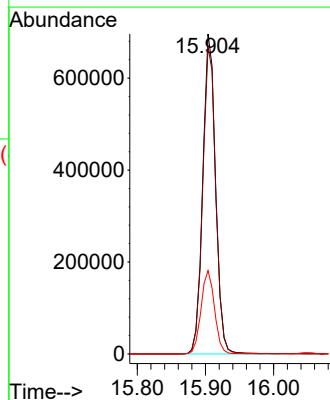
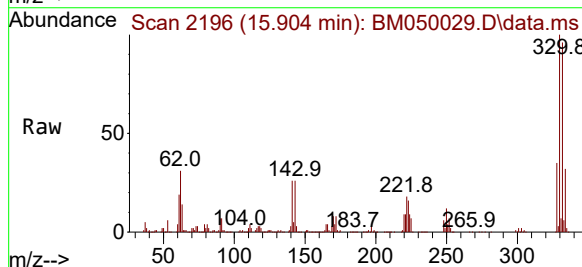
Instrument :
BNA_M
ClientSampleId :
SSTDICC050

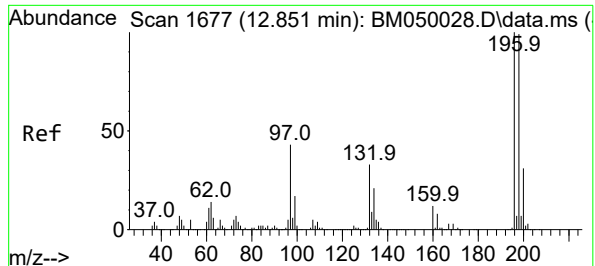
Tgt Ion:237 Resp: 649060
Ion Ratio Lower Upper
237 100
235 62.6 42.9 82.9
272 13.5 0.0 32.9



#42
2,4,6-Tribromophenol
Concen: 111.203 ng
RT: 15.904 min Scan# 2196
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:330 Resp: 911669
Ion Ratio Lower Upper
330 100
332 97.1 77.3 115.9
141 27.3 22.5 33.7





#43

2,4,6-Trichlorophenol

Concen: 55.275 ng

RT: 12.851 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM050029.D

Acq: 28 Apr 2025 15:45

Instrument :

BNA_M

ClientSampleId :

SSTDICC050

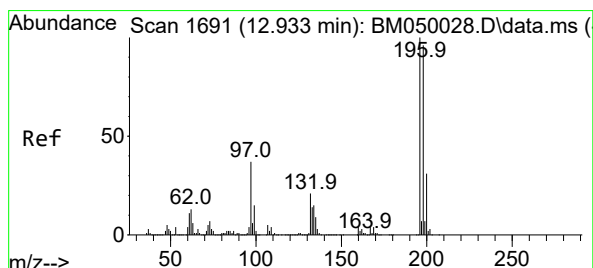
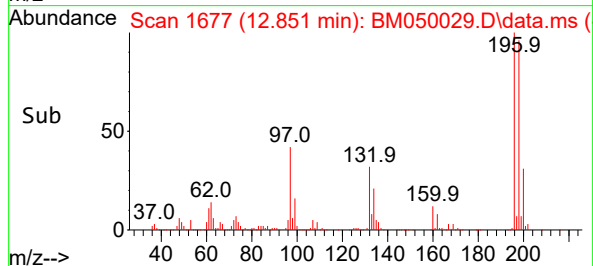
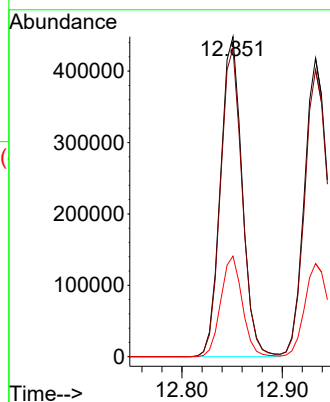
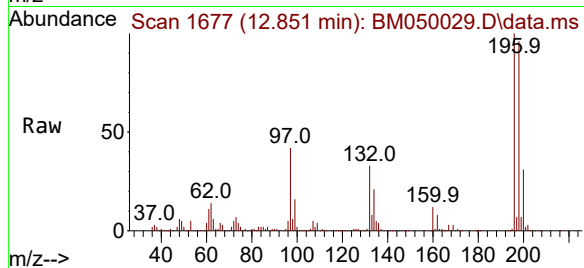
Tgt Ion:196 Resp: 672901

Ion Ratio Lower Upper

196 100

198 96.4 79.0 118.6

200 31.4 25.1 37.7



#44

2,4,5-Trichlorophenol

Concen: 54.841 ng

RT: 12.933 min Scan# 1691

Delta R.T. -0.000 min

Lab File: BM050029.D

Acq: 28 Apr 2025 15:45

Tgt Ion:196 Resp: 719930

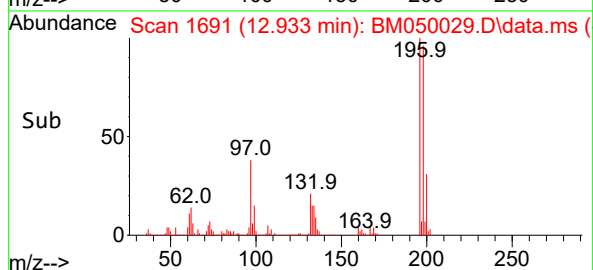
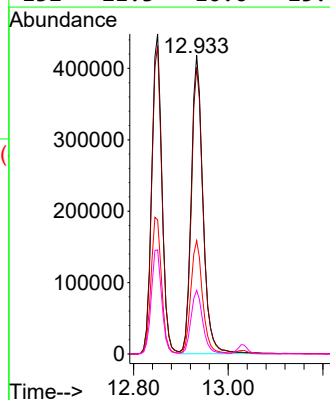
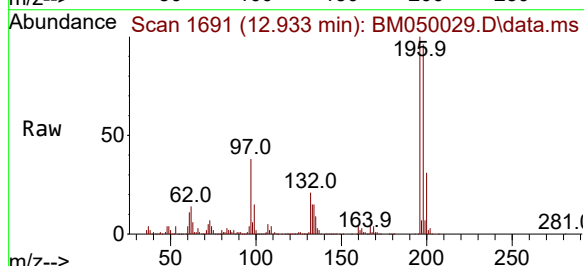
Ion Ratio Lower Upper

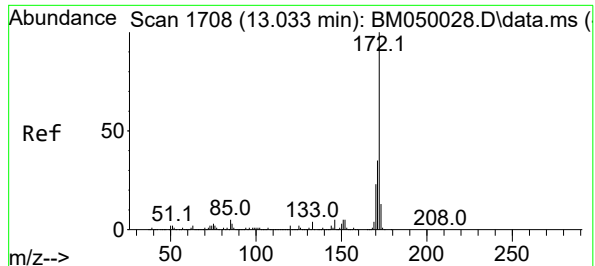
196 100

198 96.1 76.7 115.1

97 37.9 30.1 45.1

132 21.3 16.6 25.0





#45

2-Fluorobiphenyl

Concen: 107.775 ng

RT: 13.033 min Scan# 1708

Delta R.T. -0.000 min

Lab File: BM050029.D

Acq: 28 Apr 2025 15:45

Instrument :

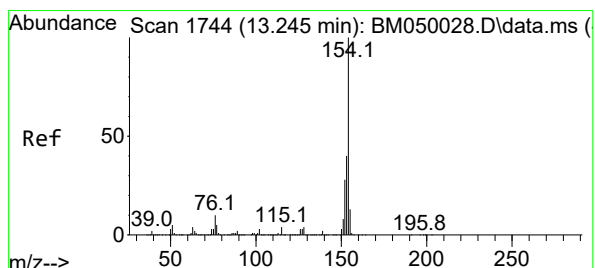
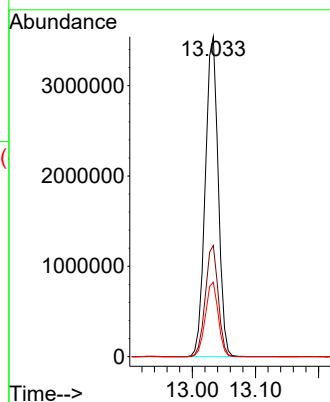
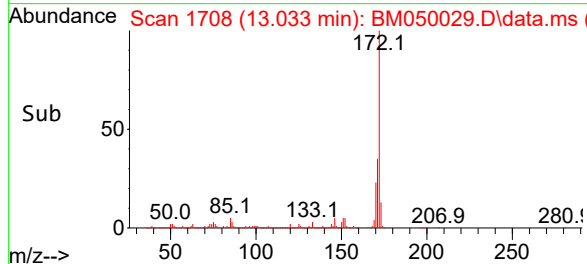
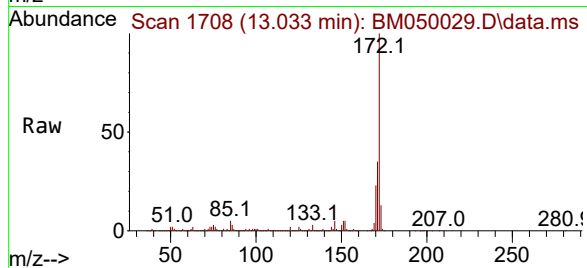
BNA_M

ClientSampleId :

SSTDICC050

Tgt Ion:172 Resp: 5051261

Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.8	41.6
170	23.3	18.6	28.0



#46

1,1'-Biphenyl

Concen: 53.185 ng

RT: 13.245 min Scan# 1744

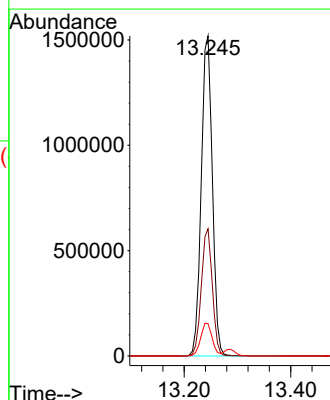
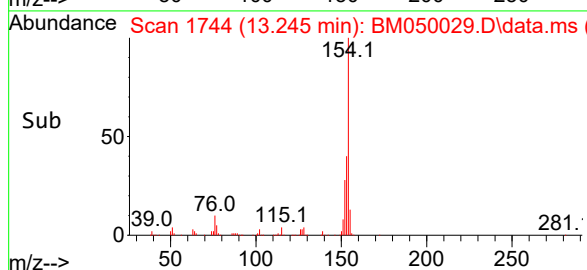
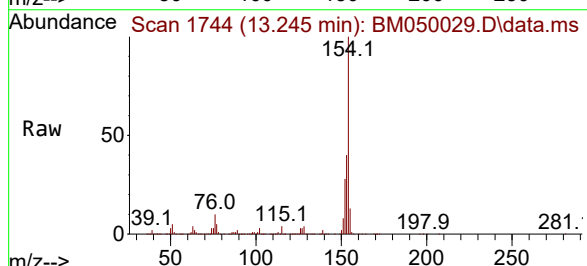
Delta R.T. -0.000 min

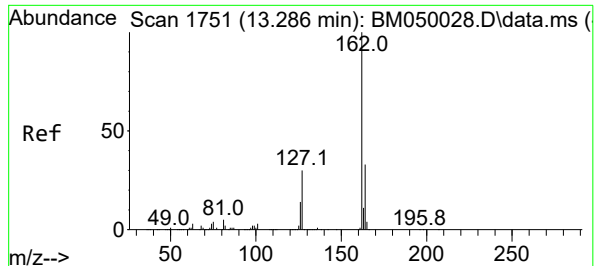
Lab File: BM050029.D

Acq: 28 Apr 2025 15:45

Tgt Ion:154 Resp: 2191996

Ion	Ratio	Lower	Upper
154	100		
153	39.7	20.0	60.0
76	10.1	0.0	30.3





#47

2-Chloronaphthalene

Concen: 52.989 ng

RT: 13.286 min Scan# 1751

Delta R.T. -0.000 min

Lab File: BM050029.D

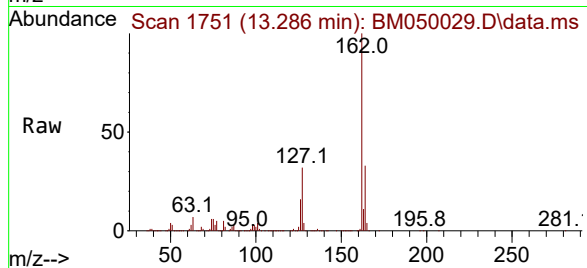
Acq: 28 Apr 2025 15:45

Instrument :

BNA_M

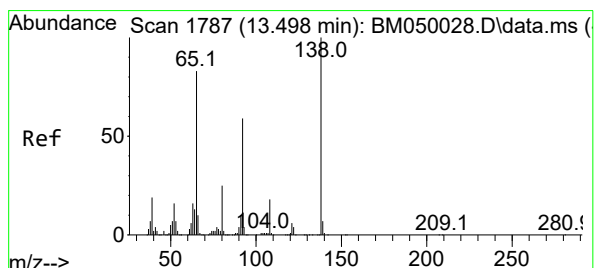
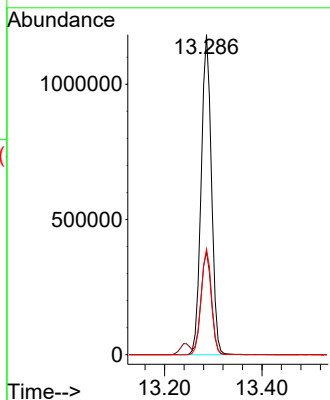
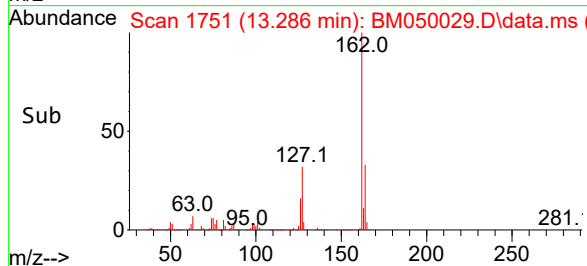
ClientSampleId :

SSTDICC050



Tgt Ion:162 Resp: 1729678

Ion	Ratio	Lower	Upper
162	100		
127	32.1	25.9	38.9
164	33.1	26.6	40.0



#48

2-Nitroaniline

Concen: 55.016 ng

RT: 13.498 min Scan# 1787

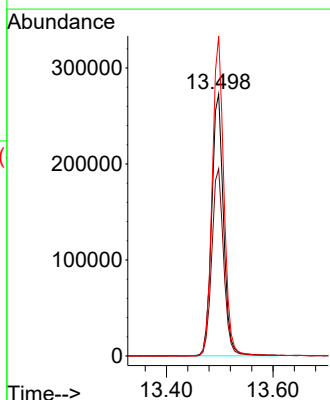
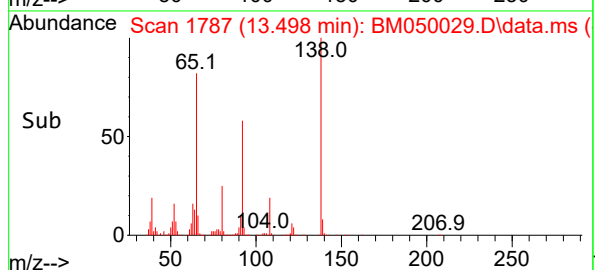
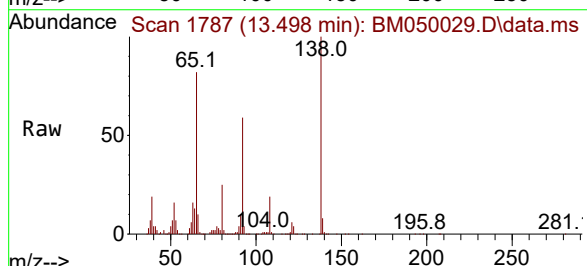
Delta R.T. -0.000 min

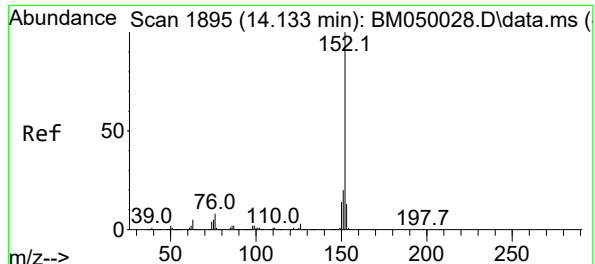
Lab File: BM050029.D

Acq: 28 Apr 2025 15:45

Tgt Ion: 65 Resp: 421489

Ion	Ratio	Lower	Upper
65	100		
92	71.5	57.1	85.7
138	122.2	97.0	145.4





#49

Acenaphthylene

Concen: 53.082 ng

RT: 14.133 min Scan# 1895

Delta R.T. -0.000 min

Lab File: BM050029.D

Acq: 28 Apr 2025 15:45

Instrument :

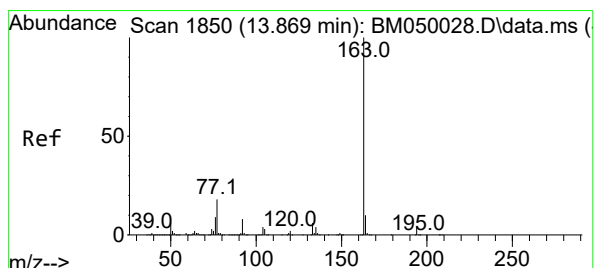
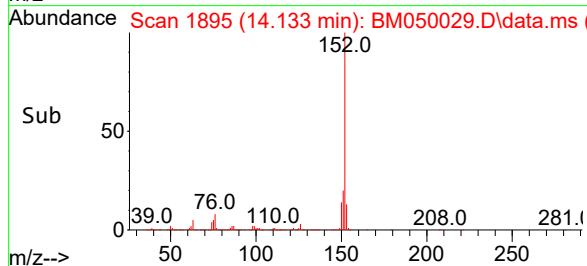
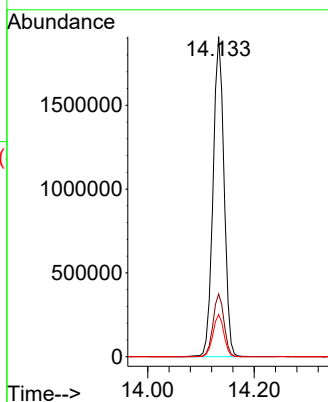
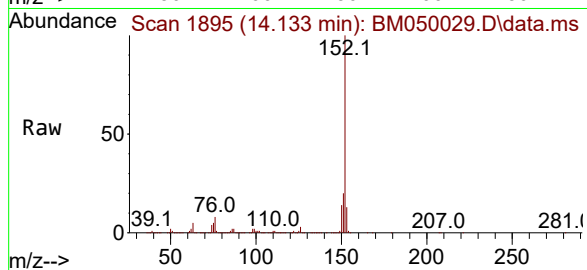
BNA_M

ClientSampleId :

SSTDICC050

Tgt Ion:152 Resp: 2731966

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.8	23.8
153	13.1	10.6	15.8



#50

Dimethylphthalate

Concen: 52.770 ng

RT: 13.874 min Scan# 1851

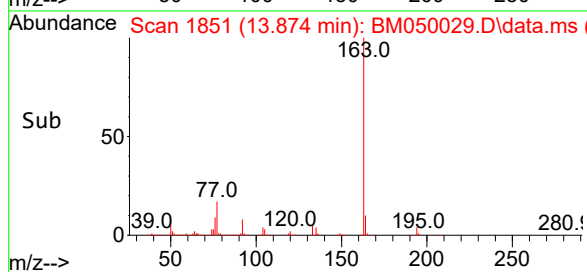
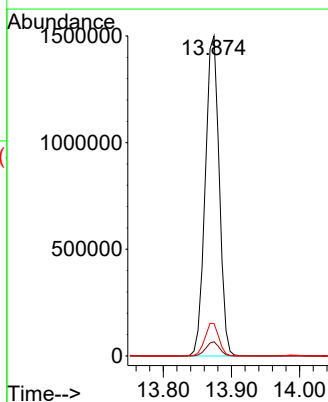
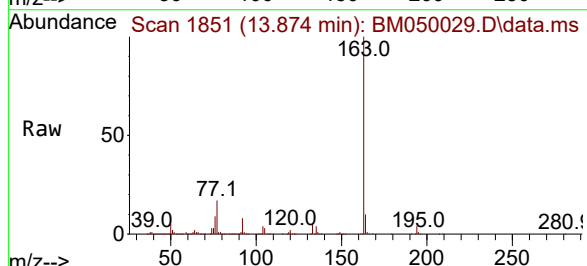
Delta R.T. 0.006 min

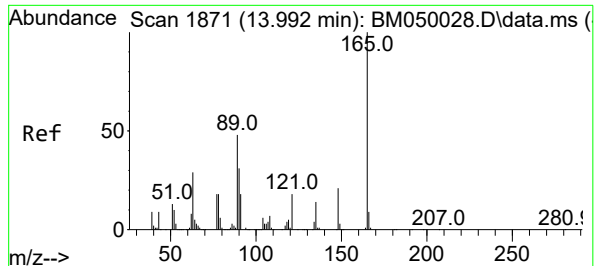
Lab File: BM050029.D

Acq: 28 Apr 2025 15:45

Tgt Ion:163 Resp: 2138242

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.2
164	10.1	8.2	12.2

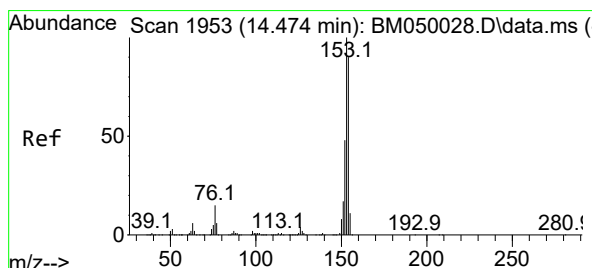
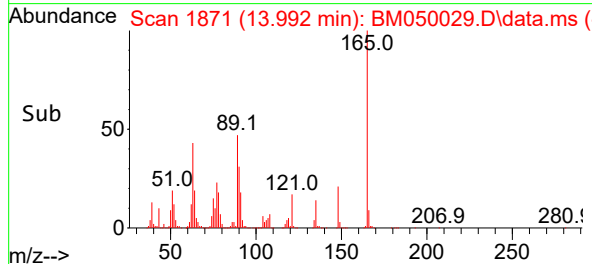
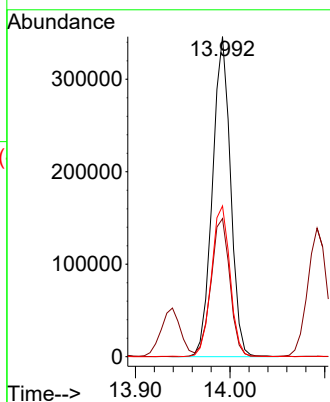
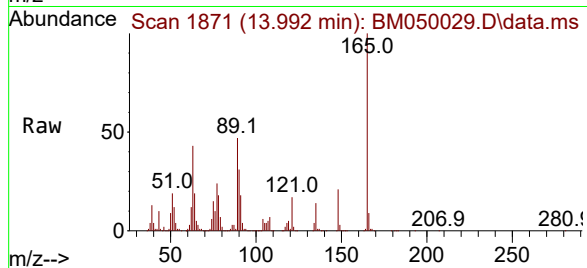




#51
2,6-Dinitrotoluene
Concen: 54.650 ng
RT: 13.992 min Scan# 1871
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

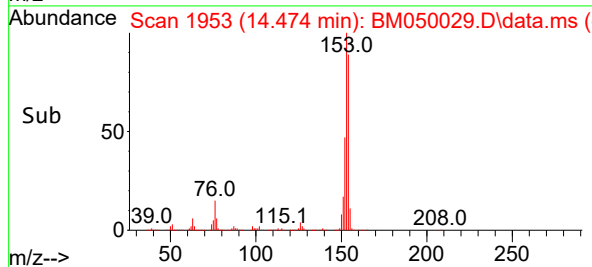
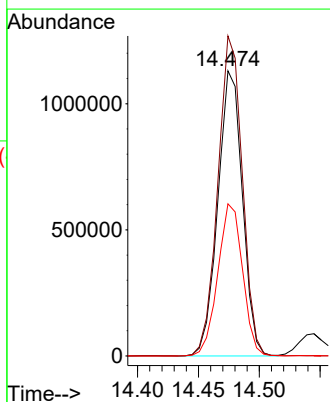
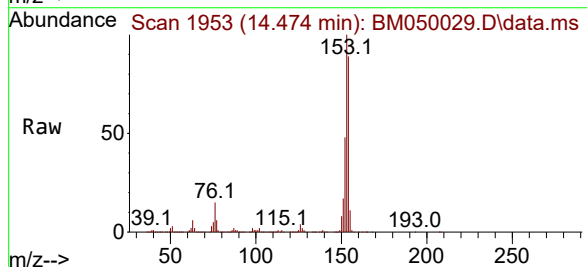
Instrument :
BNA_M
ClientSampleId :
SSTDICC050

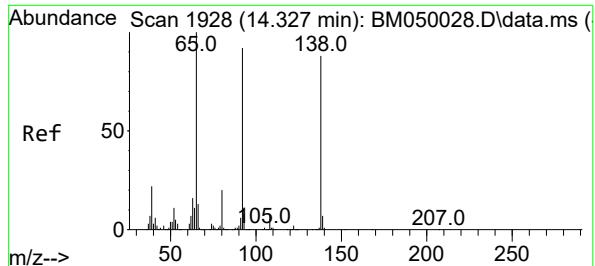
Tgt Ion:165 Resp: 458476
Ion Ratio Lower Upper
165 100
63 43.1 35.1 52.7
89 47.1 38.4 57.6



#52
Acenaphthene
Concen: 53.287 ng
RT: 14.474 min Scan# 1953
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:154 Resp: 1587472
Ion Ratio Lower Upper
154 100
153 112.2 89.0 133.4
152 53.4 43.0 64.6

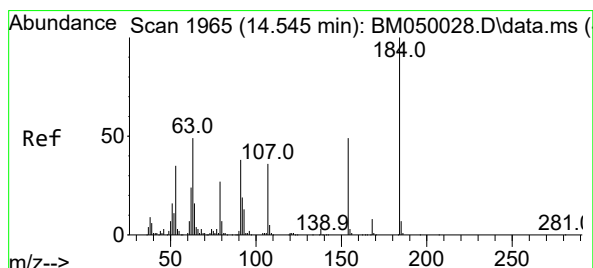
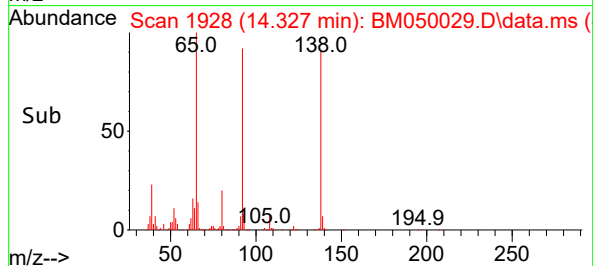
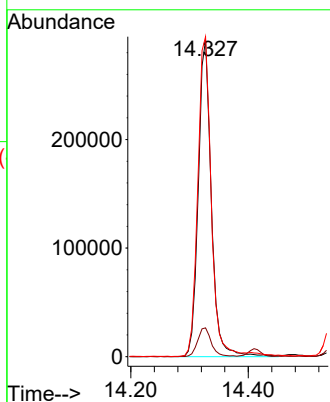
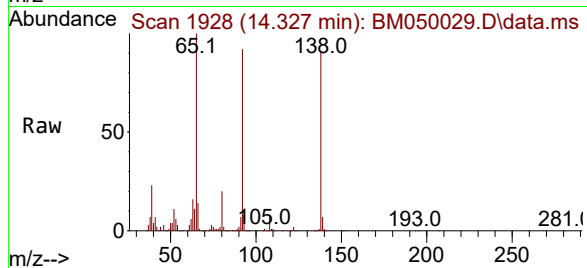




#53
3-Nitroaniline
Concen: 56.186 ng
RT: 14.327 min Scan# 1928
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

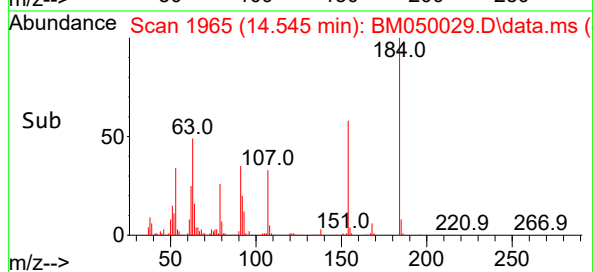
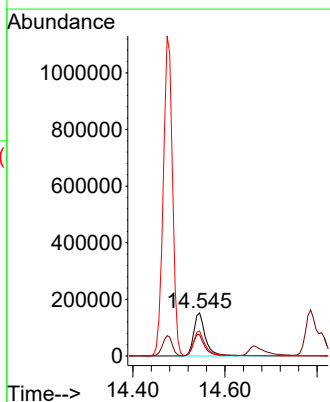
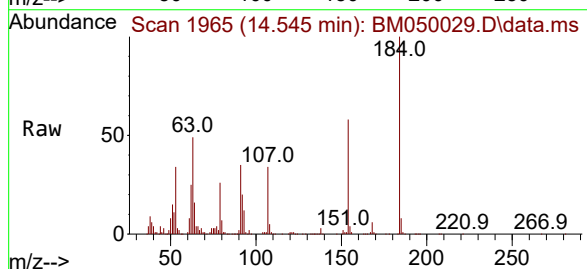
Instrument :
BNA_M
ClientSampleId :
SSTDICC050

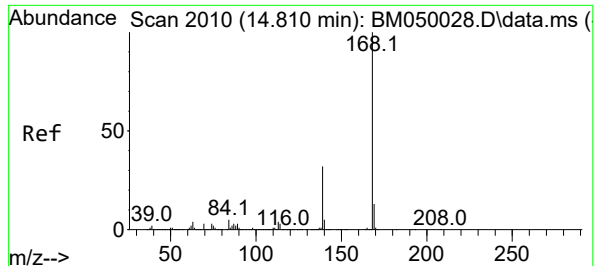
Tgt Ion:138 Resp: 450021
Ion Ratio Lower Upper
138 100
108 9.1 7.4 11.2
92 101.0 84.0 126.0



#54
2,4-Dinitrophenol
Concen: 52.338 ng
RT: 14.545 min Scan# 1965
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:184 Resp: 269515
Ion Ratio Lower Upper
184 100
63 49.3 39.8 59.6
154 58.0 46.1 69.1

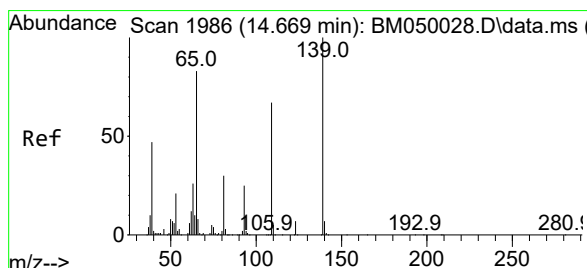
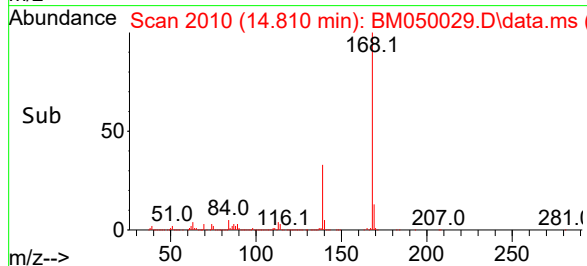
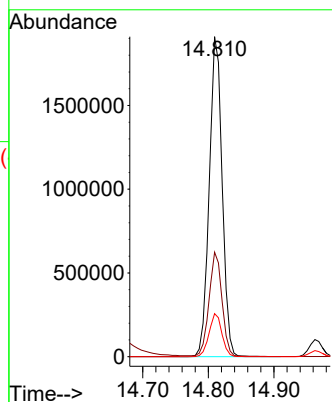
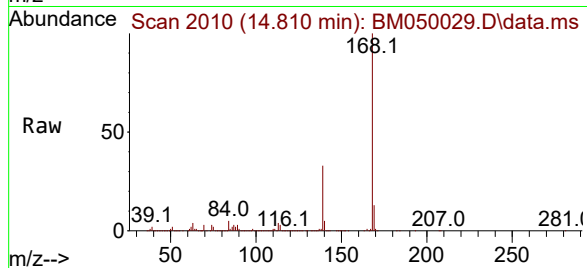




#55
Dibenzenofuran
Concen: 52.809 ng
RT: 14.810 min Scan# 2010
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

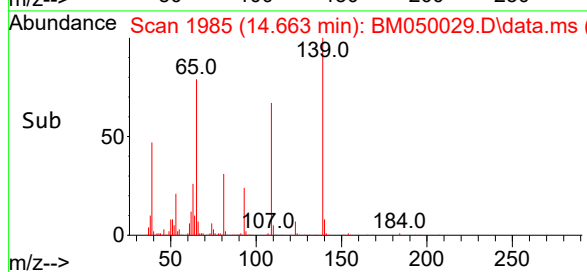
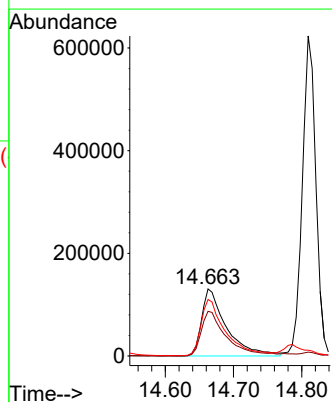
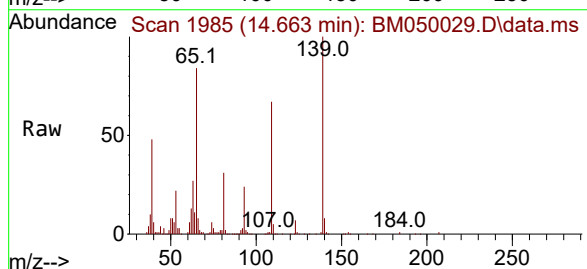
Instrument :
BNA_M
ClientSampleId :
SSTDICC050

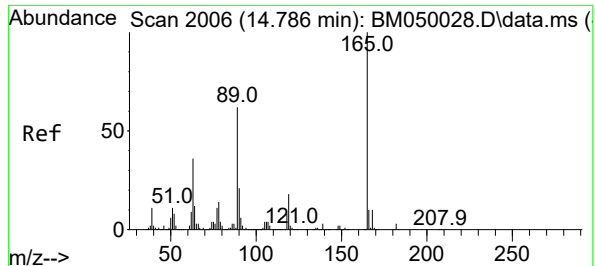
Tgt Ion:168 Resp: 2617489
Ion Ratio Lower Upper
168 100
139 32.6 26.1 39.1
169 13.5 10.8 16.2



#56
4-Nitrophenol
Concen: 52.029 ng
RT: 14.663 min Scan# 1985
Delta R.T. -0.007 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:139 Resp: 328078
Ion Ratio Lower Upper
139 100
109 66.7 47.0 87.0
65 84.3 64.3 104.3





#57

2,4-Dinitrotoluene

Concen: 55.921 ng

RT: 14.786 min Scan# 2006

Delta R.T. -0.000 min

Lab File: BM050029.D

Acq: 28 Apr 2025 15:45

Instrument :

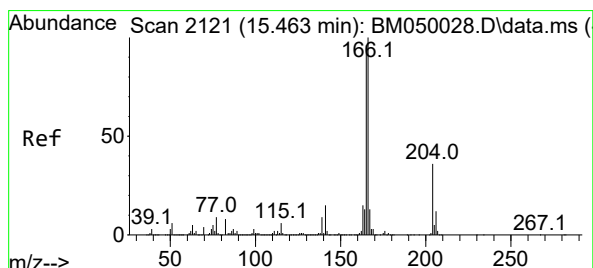
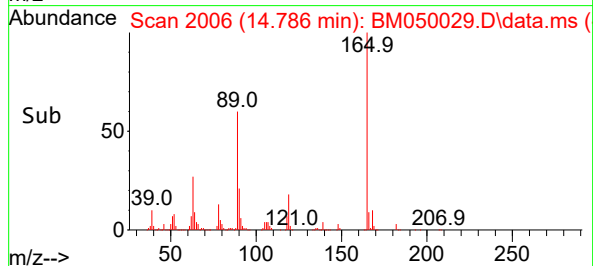
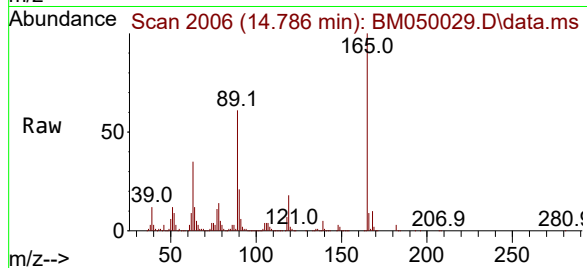
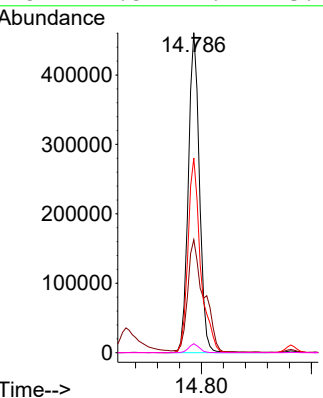
BNA_M

ClientSampleId :

SSTDICC050

Tgt Ion:165 Resp: 648262

Ion	Ratio	Lower	Upper
165	100		
63	35.3	29.0	43.6
89	60.8	49.4	74.2
182	2.8	2.2	3.2



#58

Fluorene

Concen: 53.740 ng

RT: 15.462 min Scan# 2121

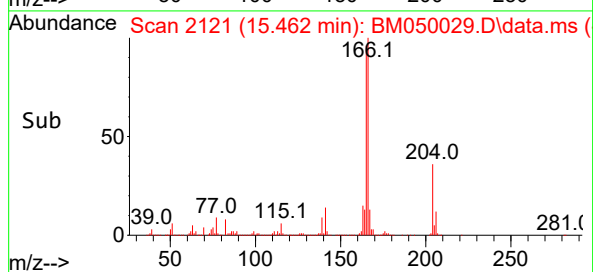
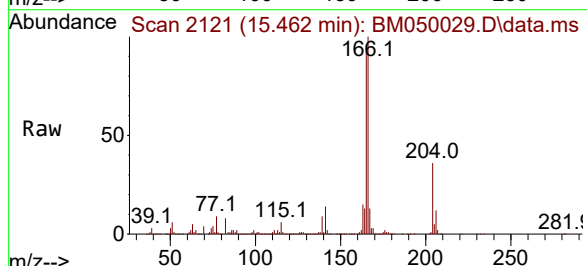
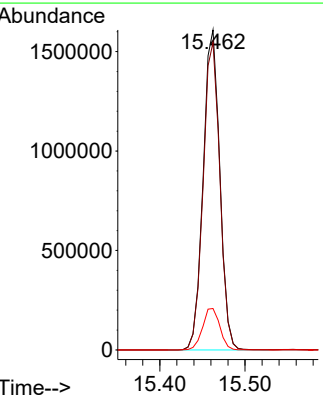
Delta R.T. -0.000 min

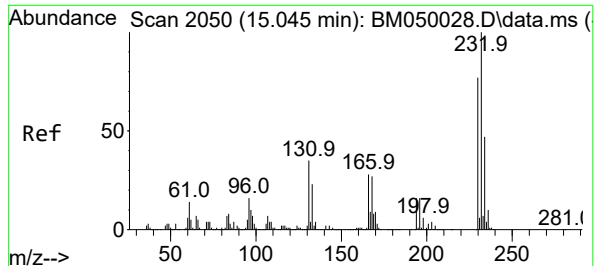
Lab File: BM050029.D

Acq: 28 Apr 2025 15:45

Tgt Ion:166 Resp: 2180247

Ion	Ratio	Lower	Upper
166	100		
165	96.1	76.6	115.0
167	13.0	10.6	16.0

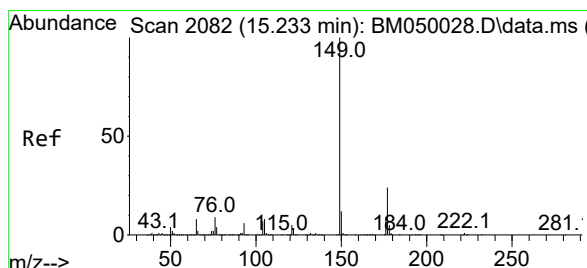
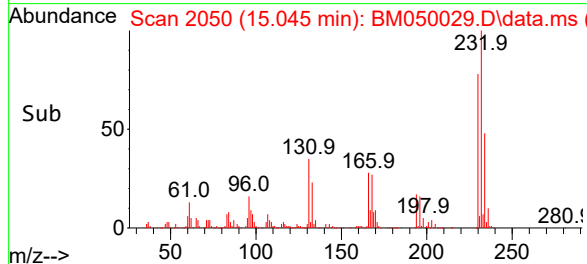
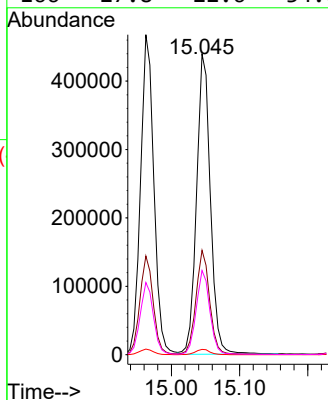
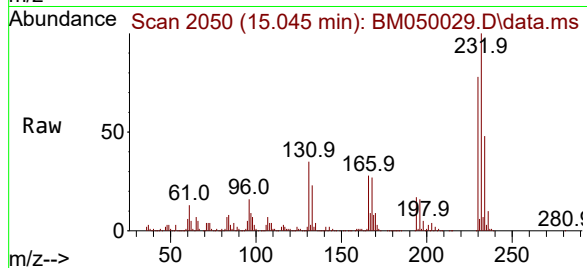




#59
2,3,4,6-Tetrachlorophenol
Concen: 54.311 ng
RT: 15.045 min Scan# 2050
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

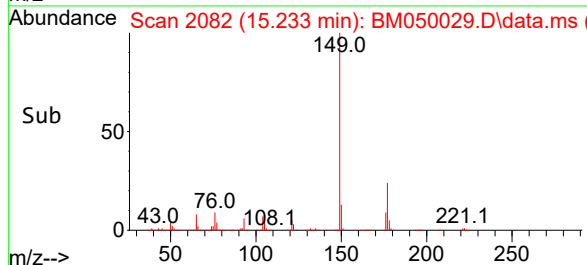
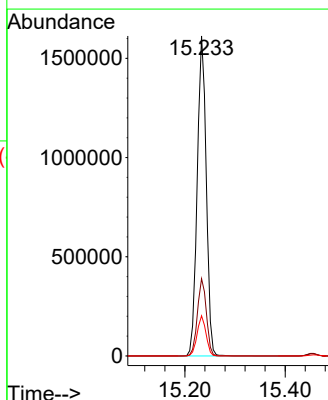
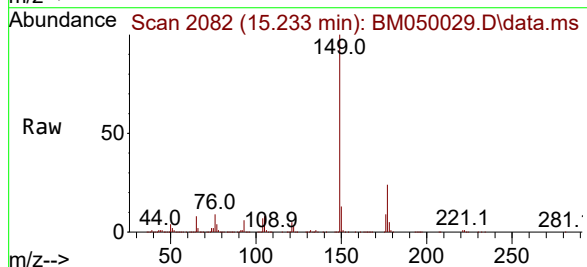
Instrument :
BNA_M
ClientSampleId :
SSTDICC050

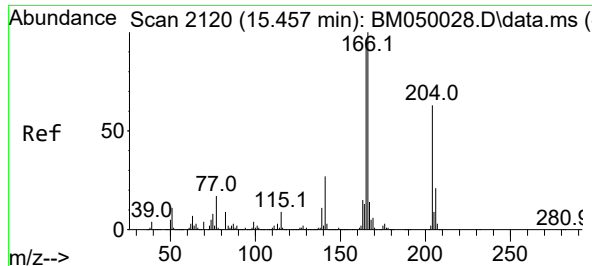
Tgt Ion:232 Resp: 617151
Ion Ratio Lower Upper
232 100
131 34.5 28.2 42.4
130 1.9 1.5 2.3
166 27.8 22.6 34.0



#60
Diethylphthalate
Concen: 52.691 ng
RT: 15.233 min Scan# 2082
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:149 Resp: 2011763
Ion Ratio Lower Upper
149 100
177 24.1 19.1 28.7
150 12.5 9.6 14.4

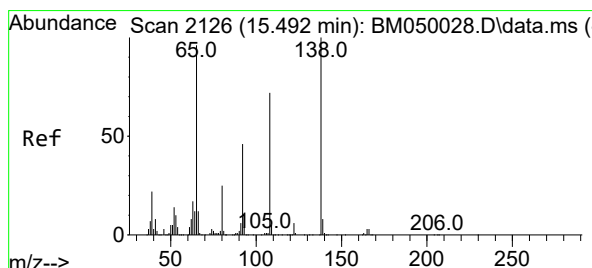
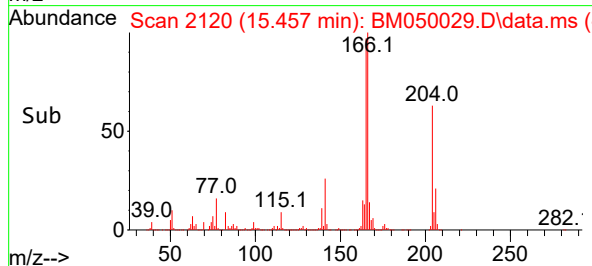
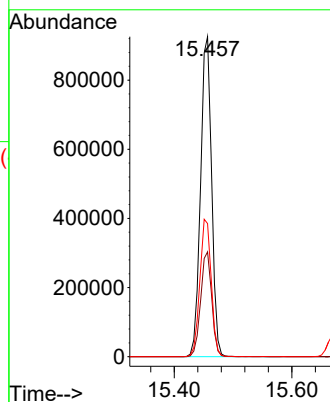
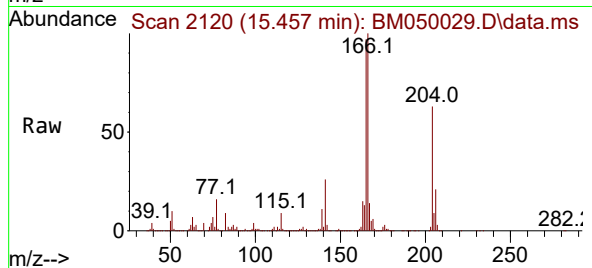




#61
4-Chlorophenyl-phenylether
Concen: 54.188 ng
RT: 15.457 min Scan# 2120
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

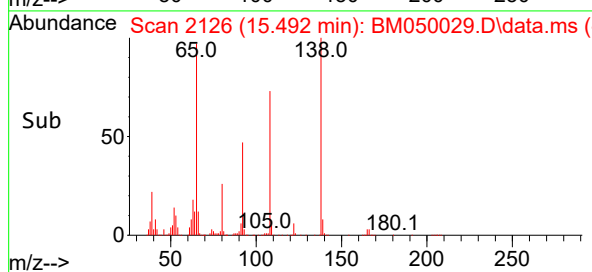
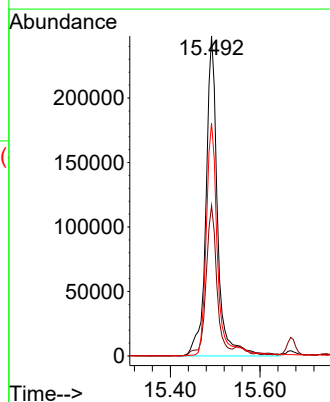
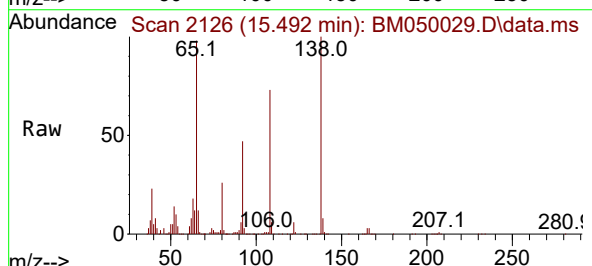
Instrument :
BNA_M
ClientSampleId :
SSTDICC050

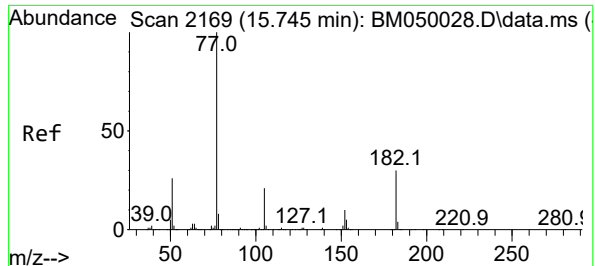
Tgt Ion:204 Resp: 1207514
Ion Ratio Lower Upper
204 100
206 32.7 26.3 39.5
141 41.6 34.0 51.0



#62
4-Nitroaniline
Concen: 57.612 ng
RT: 15.492 min Scan# 2126
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:138 Resp: 445520
Ion Ratio Lower Upper
138 100
92 46.9 25.9 65.9
108 72.7 52.4 92.4

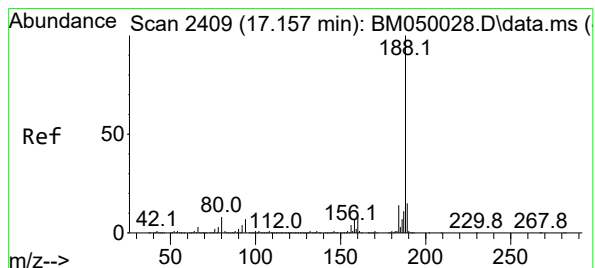
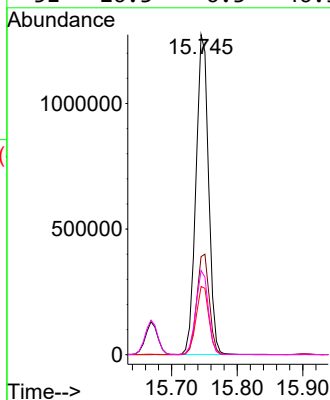
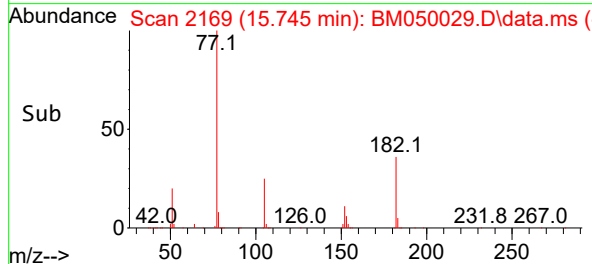
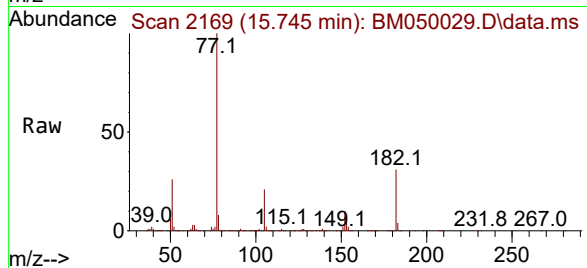




#63
Azobenzene
Concen: 53.251 ng
RT: 15.745 min Scan# 2169
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

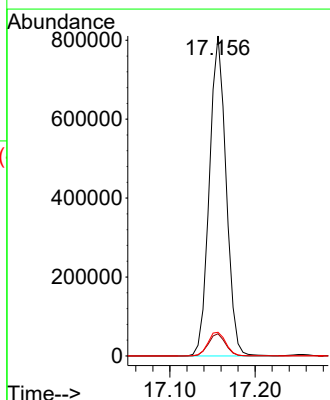
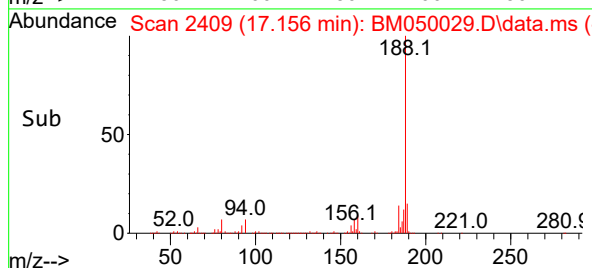
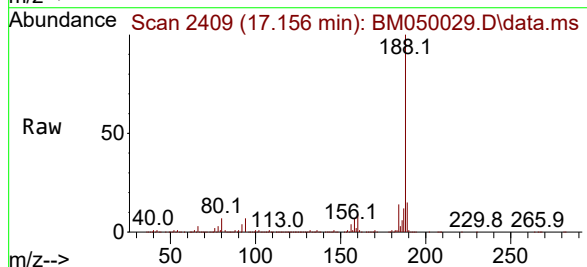
Instrument :
BNA_M
ClientSampleId :
SSTDICC050

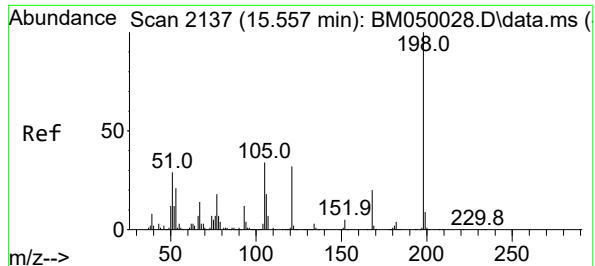
Tgt Ion: 77 Resp: 1703932
Ion Ratio Lower Upper
77 100
182 30.7 10.5 50.5
105 21.3 1.1 41.1
51 26.3 6.3 46.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.156 min Scan# 2409
Delta R.T. -0.001 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion: 188 Resp: 1105769
Ion Ratio Lower Upper
188 100
94 7.0 5.7 8.5
80 7.4 6.2 9.4

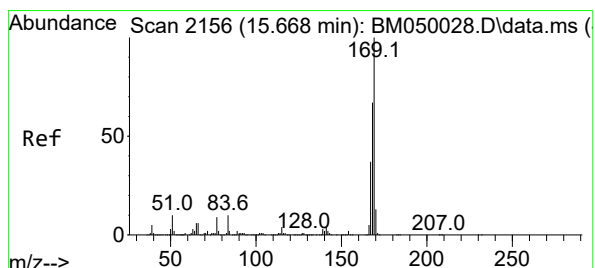
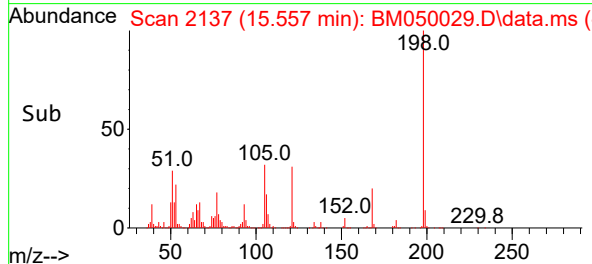
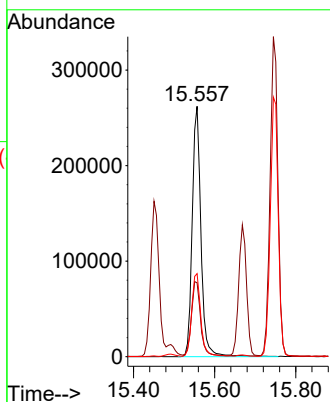
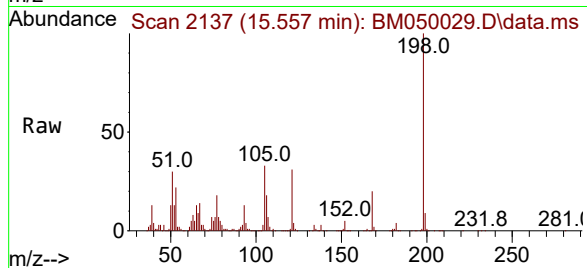




#65
4,6-Dinitro-2-methylphenol
Concen: 56.806 ng
RT: 15.557 min Scan# 2137
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

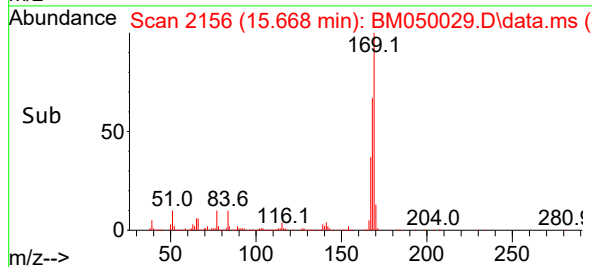
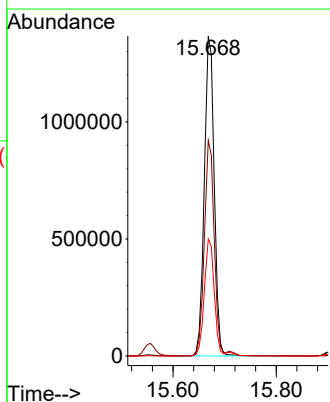
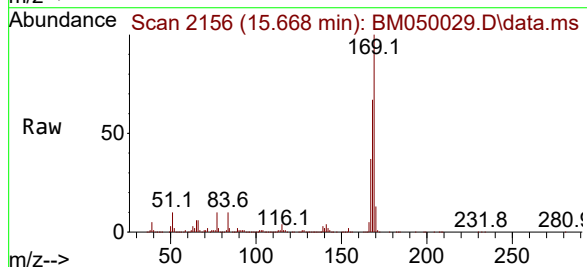
Instrument :
BNA_M
ClientSampleId :
SSTDICC050

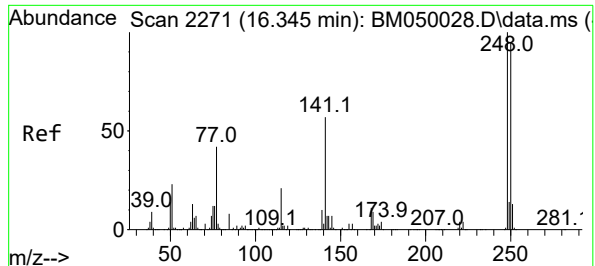
Tgt Ion	Ratio	Lower	Upper
198	100		
51	29.5	10.4	50.4
105	33.1	14.6	54.6



#66
n-Nitrosodiphenylamine
Concen: 53.474 ng
RT: 15.668 min Scan# 2156
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion	Ratio	Lower	Upper
169	100		
168	67.4	53.4	80.2
167	36.5	29.4	44.0





#67

4-Bromophenyl-phenylether

Concen: 53.359 ng

RT: 16.345 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM050029.D

Acq: 28 Apr 2025 15:45

Instrument :

BNA_M

ClientSampleId :

SSTDICC050

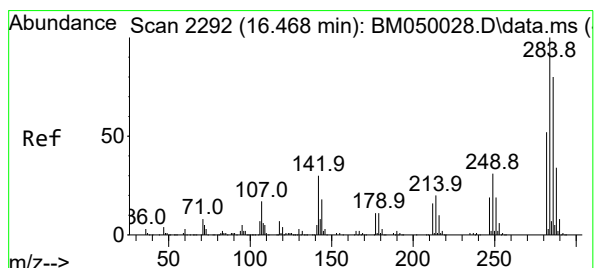
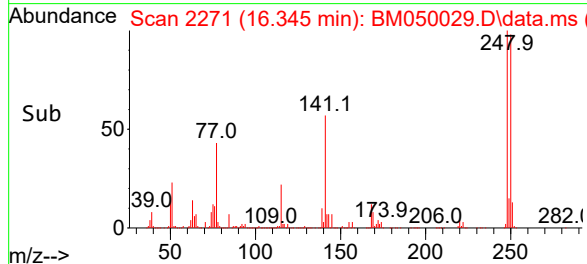
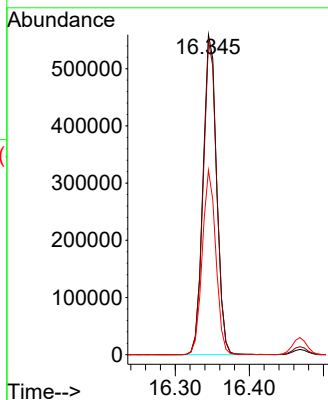
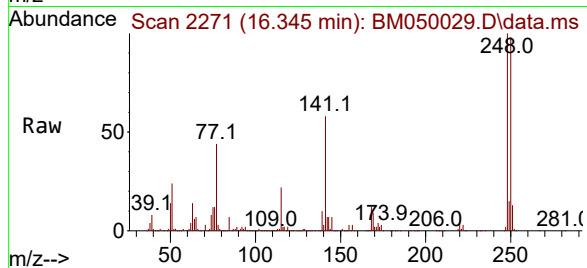
Tgt Ion:248 Resp: 713498

Ion Ratio Lower Upper

248 100

250 98.1 76.2 114.2

141 57.6 45.9 68.9



#68

Hexachlorobenzene

Concen: 52.900 ng

RT: 16.468 min Scan# 2292

Delta R.T. -0.000 min

Lab File: BM050029.D

Acq: 28 Apr 2025 15:45

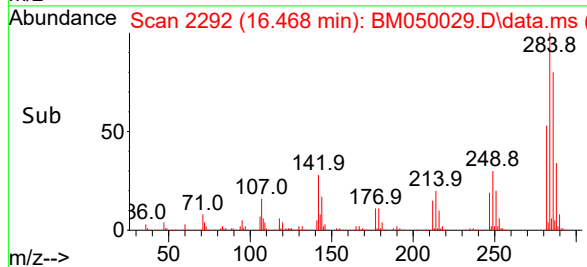
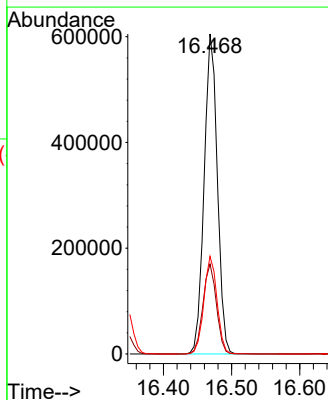
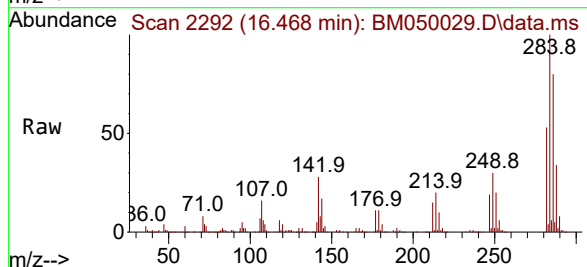
Tgt Ion:284 Resp: 815392

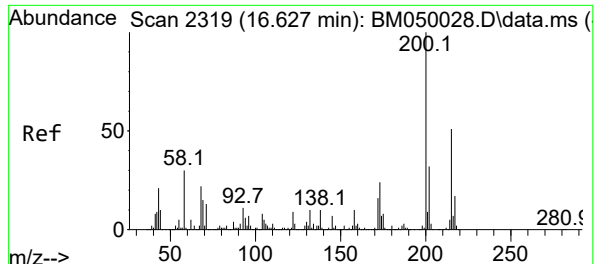
Ion Ratio Lower Upper

284 100

142 28.1 23.9 35.9

249 30.5 24.5 36.7

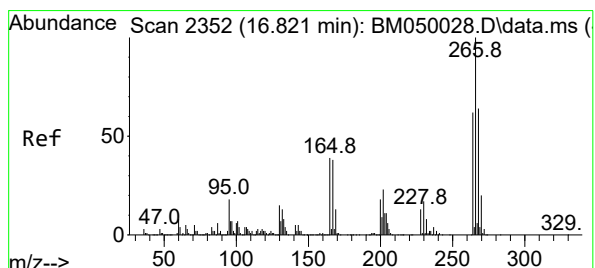
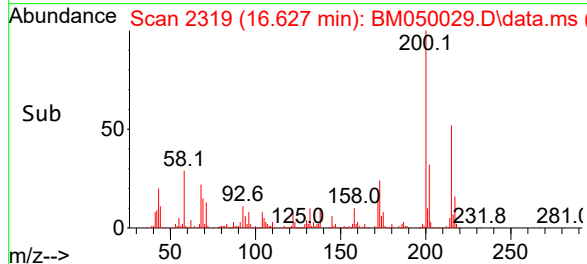
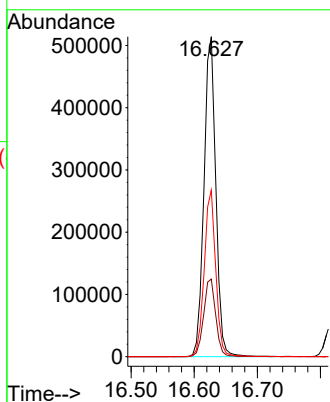
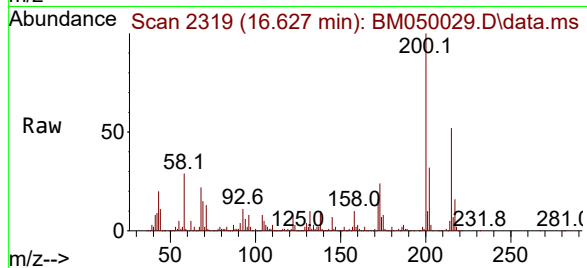




#69
Atrazine
Concen: 54.648 ng
RT: 16.627 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

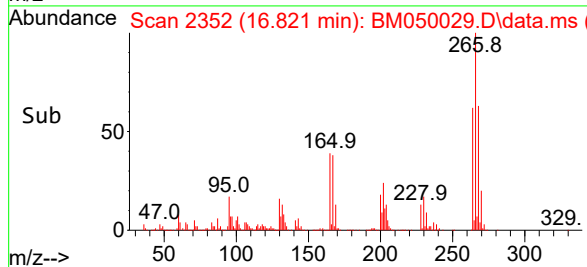
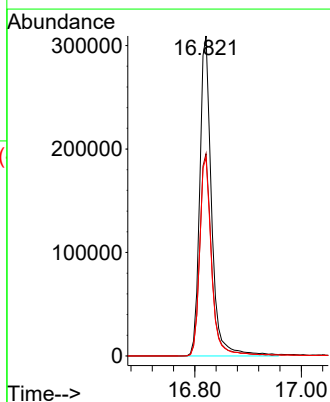
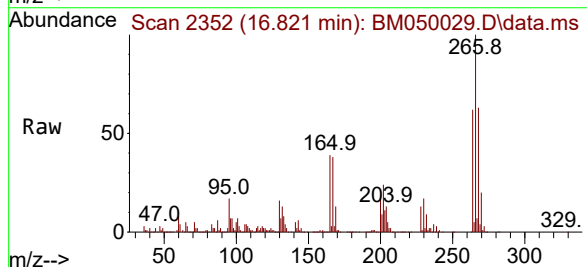
Instrument :
BNA_M
ClientSampleId :
SSTDICC050

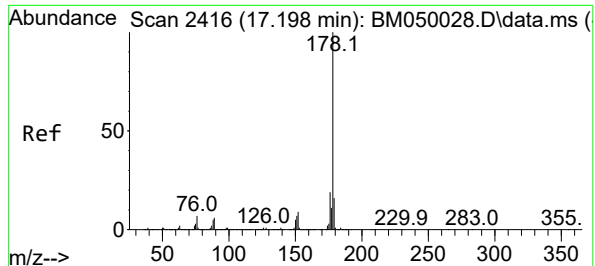
Tgt Ion:200 Resp: 669330
Ion Ratio Lower Upper
200 100
173 24.3 4.3 44.3
215 52.1 30.6 70.6



#70
Pentachlorophenol
Concen: 54.830 ng
RT: 16.821 min Scan# 2352
Delta R.T. 0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:266 Resp: 475717
Ion Ratio Lower Upper
266 100
268 63.2 51.2 76.8
264 62.0 49.6 74.4

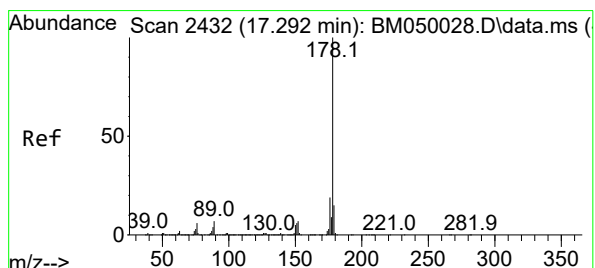
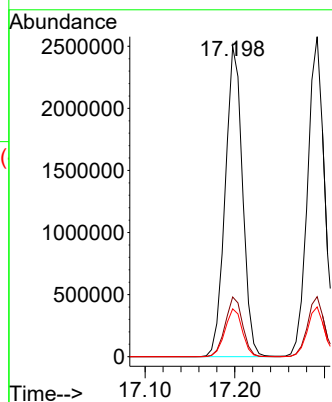
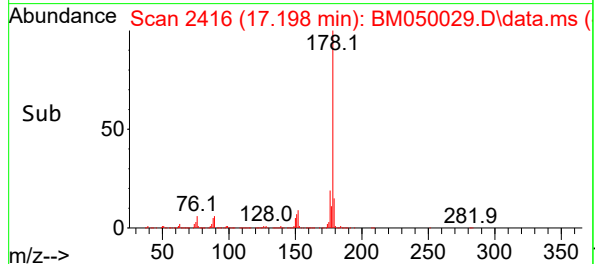
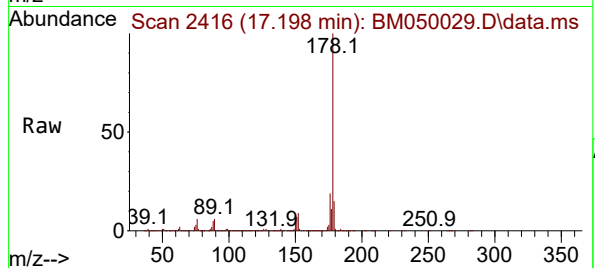




#71
Phenanthrene
Concen: 53.702 ng
RT: 17.198 min Scan# 2416
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

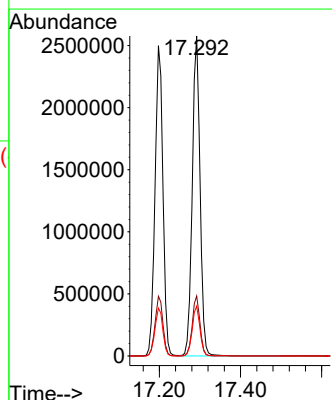
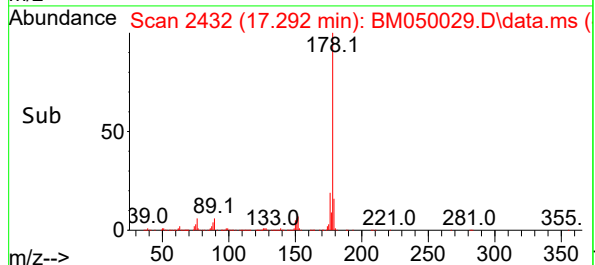
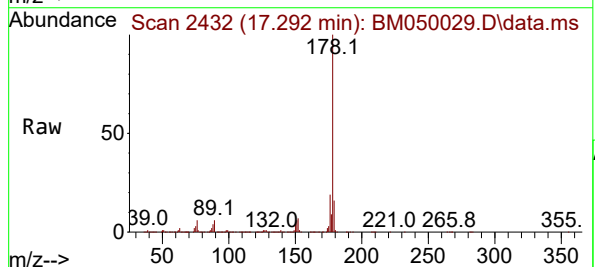
Instrument :
BNA_M
ClientSampleId :
SSTDICC050

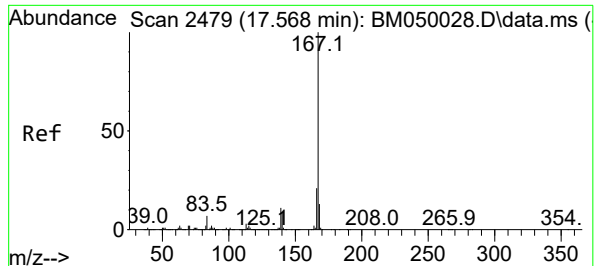
Tgt Ion:178 Resp: 3349195
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.4 12.4 18.6



#72
Anthracene
Concen: 54.143 ng
RT: 17.292 min Scan# 2432
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:178 Resp: 3417239
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.4
179 15.6 12.2 18.4

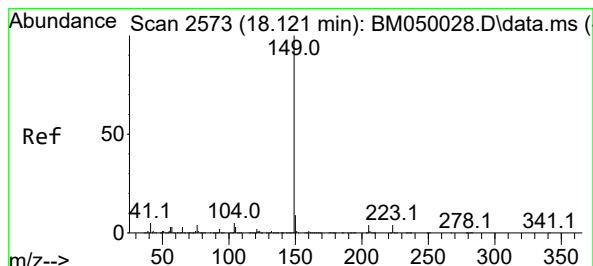
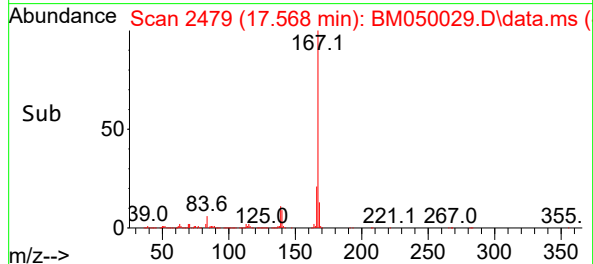
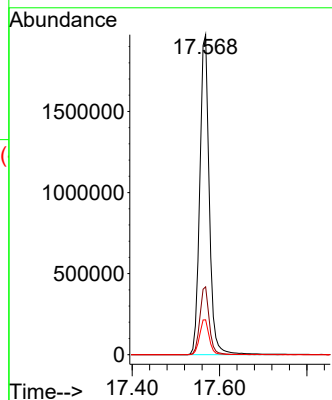
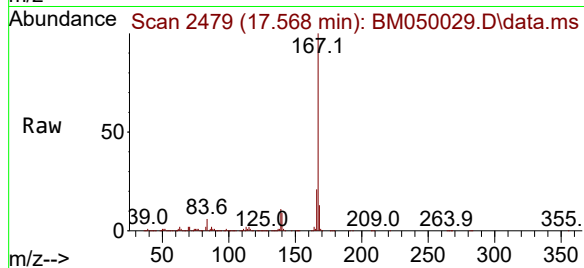




#73
Carbazole
Concen: 54.260 ng
RT: 17.568 min Scan# 2479
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

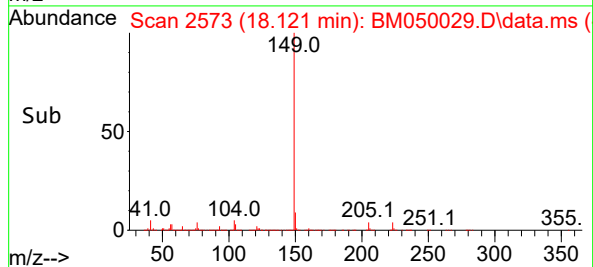
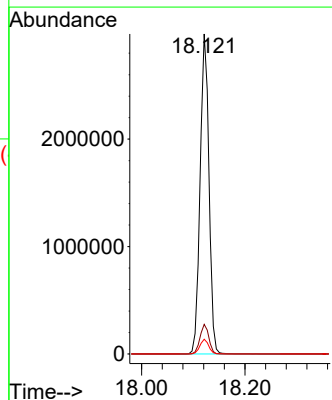
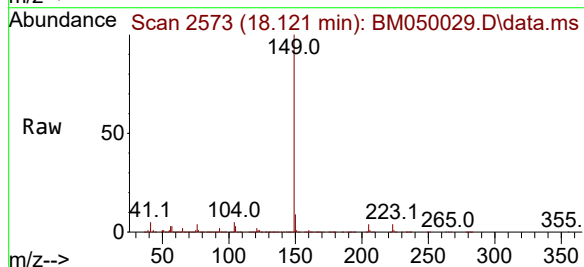
Instrument :
BNA_M
ClientSampleId :
SSTDICC050

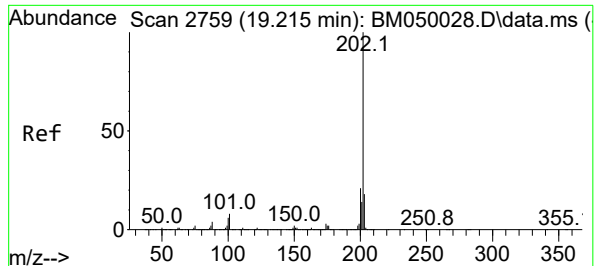
Tgt Ion:167 Resp: 2971695
Ion Ratio Lower Upper
167 100
166 21.2 17.2 25.8
139 10.9 9.0 13.6



#74
Di-n-butylphthalate
Concen: 54.137 ng
RT: 18.121 min Scan# 2573
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:149 Resp: 3530893
Ion Ratio Lower Upper
149 100
150 9.2 7.3 10.9
104 4.6 3.8 5.6

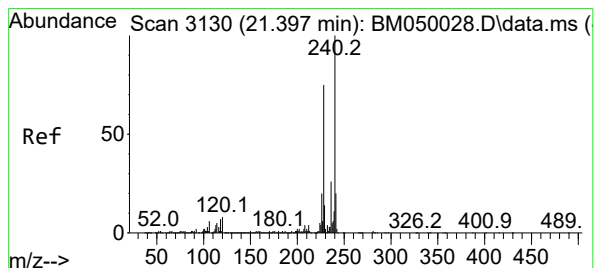
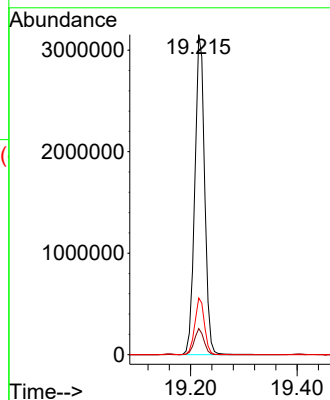
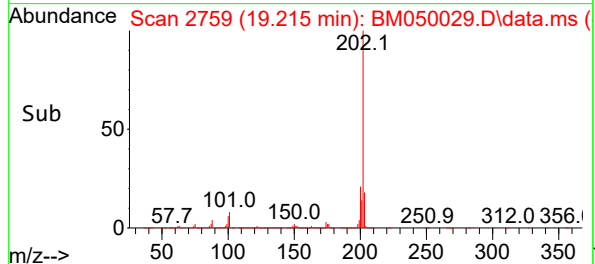
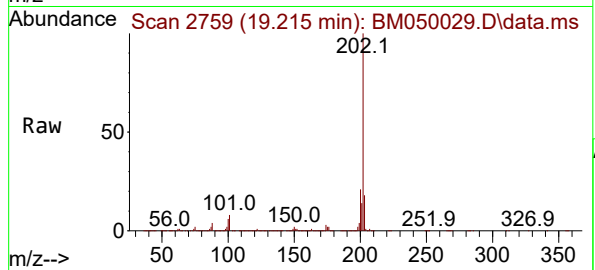




#75
Fluoranthene
Concen: 54.922 ng
RT: 19.215 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

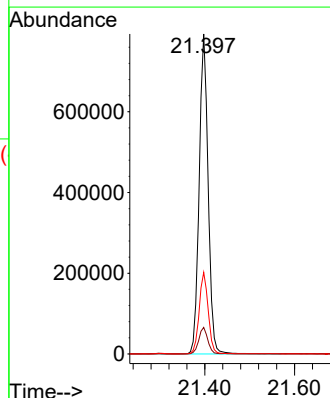
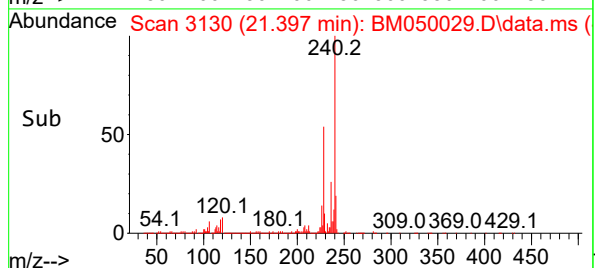
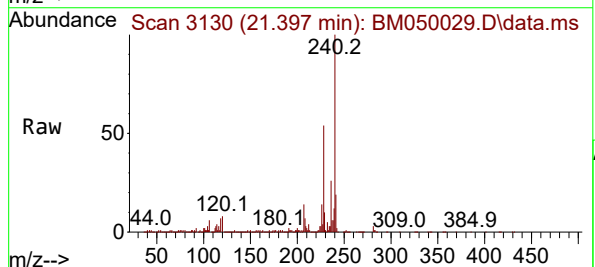
Instrument :
BNA_M
ClientSampleId :
SSTDICC050

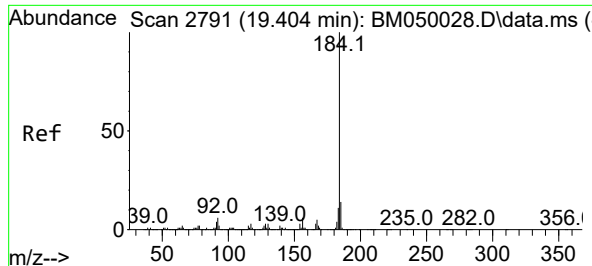
Tgt Ion:202 Resp: 4021516
Ion Ratio Lower Upper
202 100
101 8.1 0.0 28.0
203 17.7 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.397 min Scan# 3130
Delta R.T. 0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:240 Resp: 1097646
Ion Ratio Lower Upper
240 100
120 8.3 6.5 9.7
236 25.5 20.9 31.3

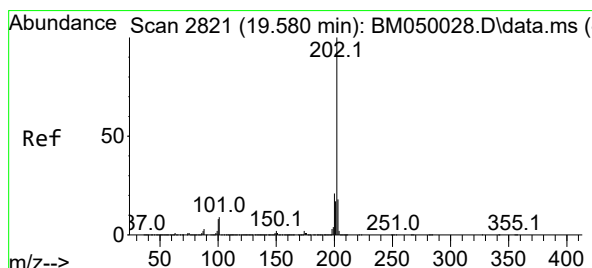
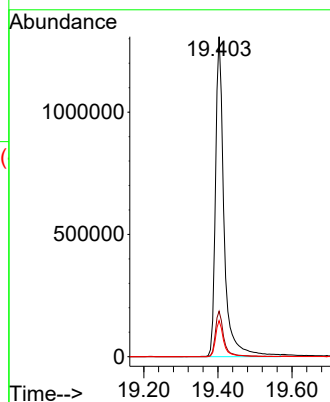
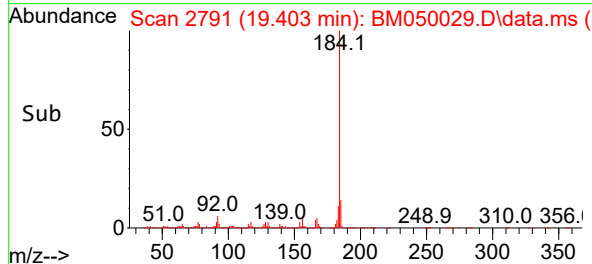
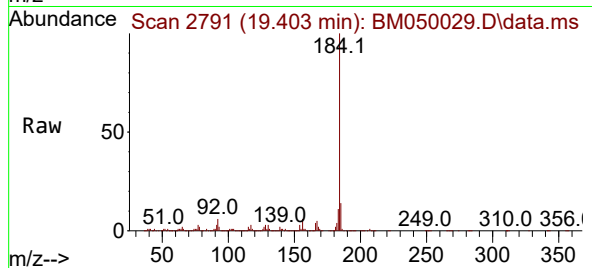




#77
Benzidine
Concen: 54.137 ng
RT: 19.403 min Scan# 21
Delta R.T. -0.001 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

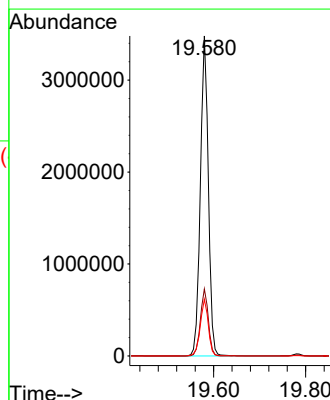
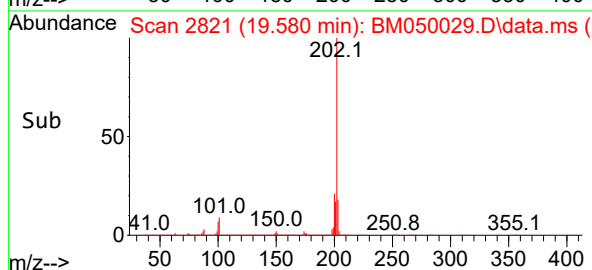
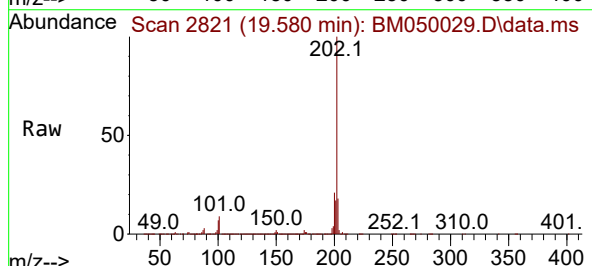
Instrument :
BNA_M
ClientSampleId :
SSTDICC050

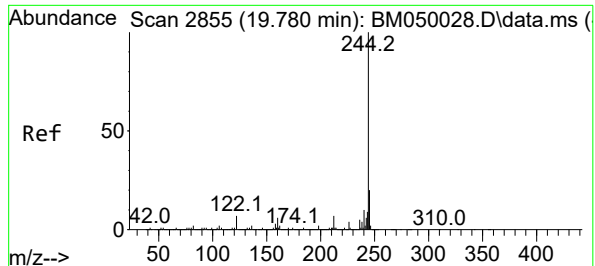
Tgt Ion:184 Resp: 2110748
Ion Ratio Lower Upper
184 100
185 14.2 11.5 17.3
183 11.2 8.9 13.3



#78
Pyrene
Concen: 54.097 ng
RT: 19.580 min Scan# 2821
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:202 Resp: 4169831
Ion Ratio Lower Upper
202 100
200 21.0 16.7 25.1
203 17.7 14.1 21.1

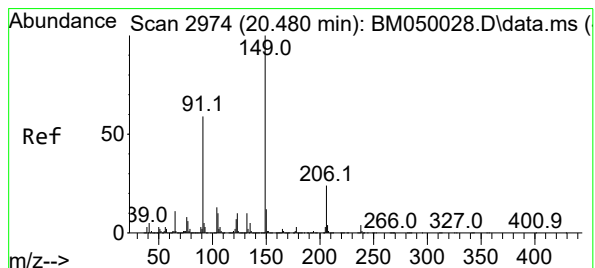
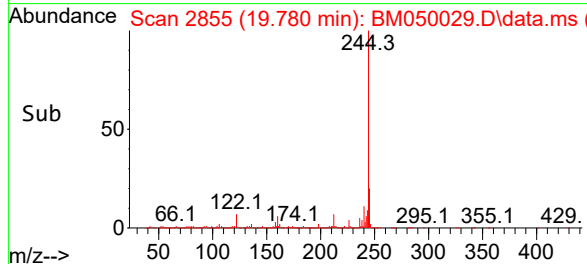
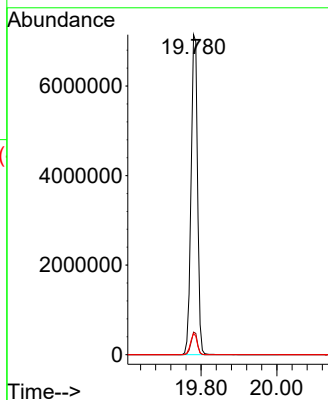
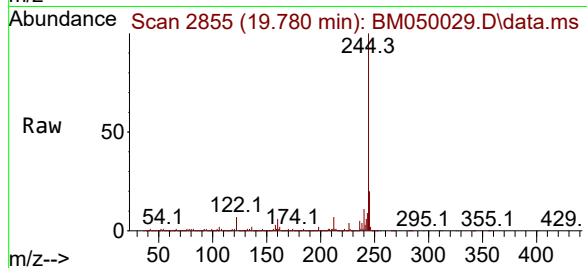




#79
Terphenyl-d14
Concen: 114.020 ng
RT: 19.780 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

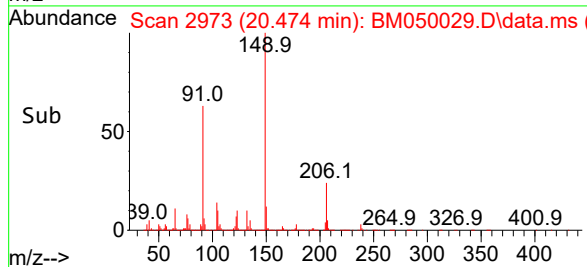
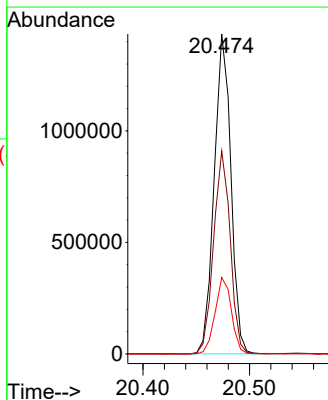
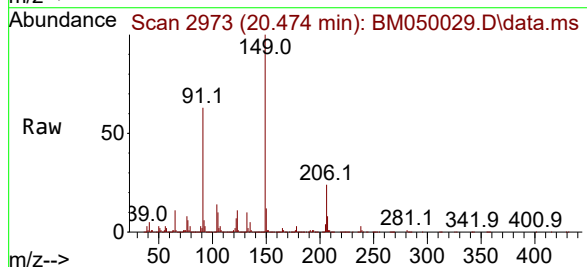
Instrument :
BNA_M
ClientSampleId :
SSTDICC050

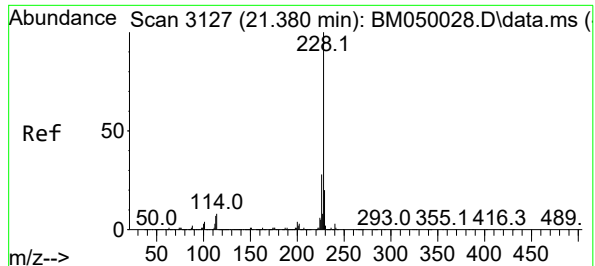
Tgt Ion:244 Resp: 8457811
Ion Ratio Lower Upper
244 100
212 7.1 5.6 8.4
122 6.7 5.6 8.4



#80
Butylbenzylphthalate
Concen: 53.948 ng
RT: 20.474 min Scan# 2973
Delta R.T. -0.006 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:149 Resp: 1557463
Ion Ratio Lower Upper
149 100
91 63.4 47.4 71.2
206 23.9 19.4 29.0

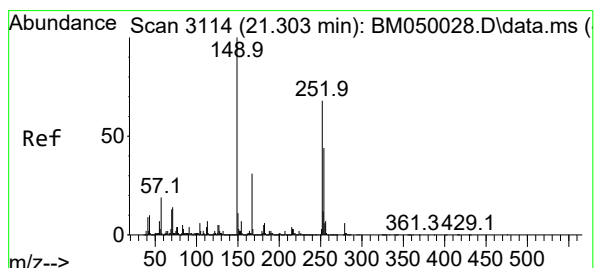
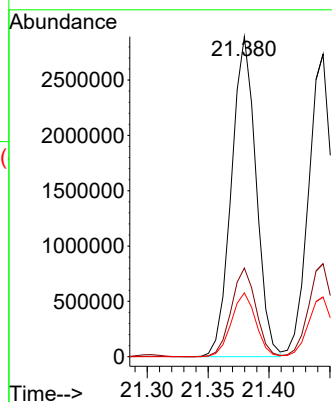
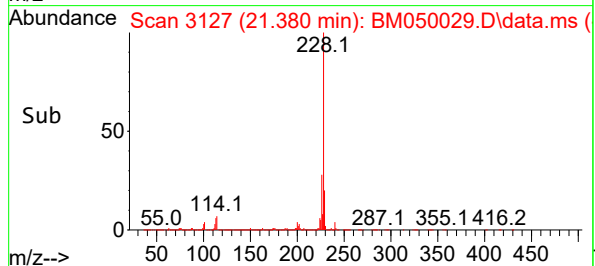
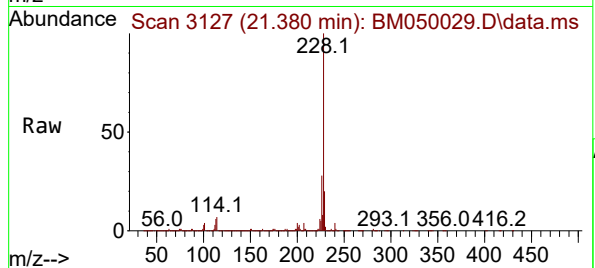




#81
Benzo(a)anthracene
Concen: 53.687 ng
RT: 21.380 min Scan# 3127
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

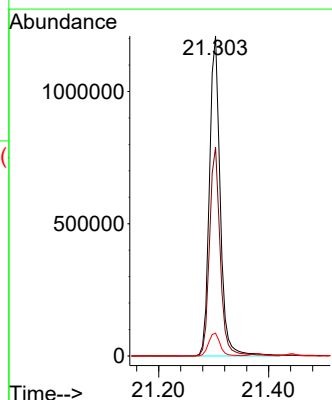
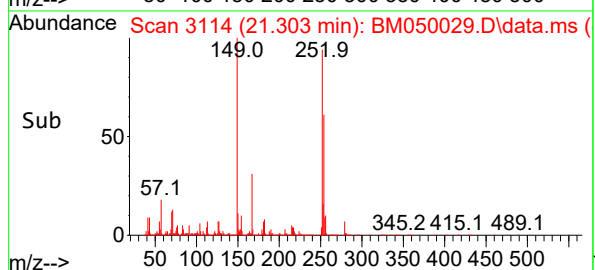
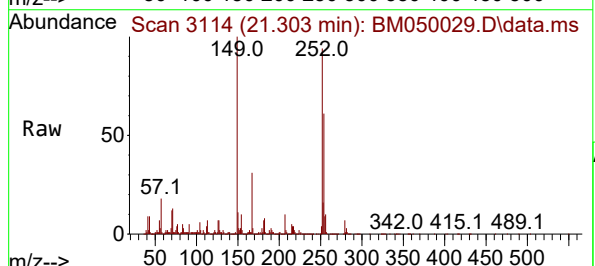
Instrument :
BNA_M
ClientSampleId :
SSTDICC050

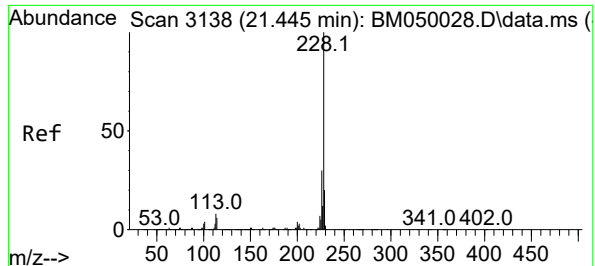
Tgt Ion:228 Resp: 4058011
Ion Ratio Lower Upper
228 100
226 27.7 22.1 33.1
229 20.0 15.7 23.5



#82
3,3'-Dichlorobenzidine
Concen: 56.659 ng
RT: 21.303 min Scan# 3114
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:252 Resp: 1639448
Ion Ratio Lower Upper
252 100
254 65.3 51.8 77.6
126 7.1 6.0 9.0





#83

Chrysene

Concen: 53.683 ng

RT: 21.444 min Scan# 3138

Delta R.T. -0.000 min

Lab File: BM050029.D

Acq: 28 Apr 2025 15:45

Instrument :

BNA_M

ClientSampleId :

SSTDICC050

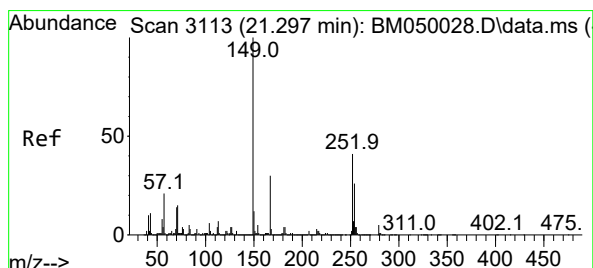
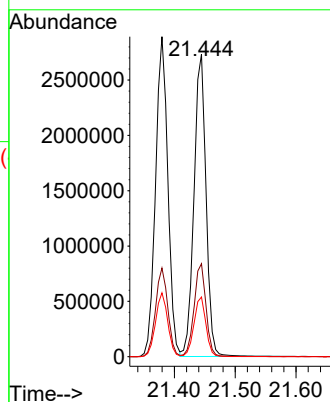
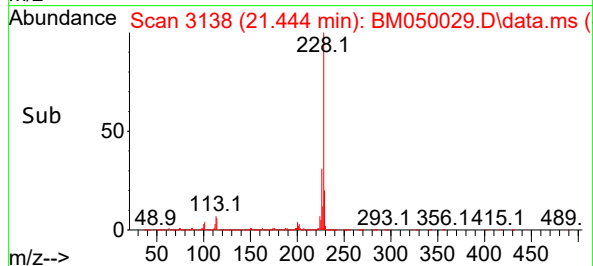
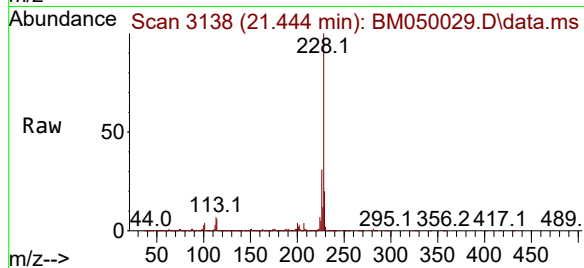
Tgt Ion:228 Resp: 3755543

Ion Ratio Lower Upper

228 100

226 30.7 24.2 36.2

229 19.7 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 54.194 ng

RT: 21.297 min Scan# 3113

Delta R.T. -0.000 min

Lab File: BM050029.D

Acq: 28 Apr 2025 15:45

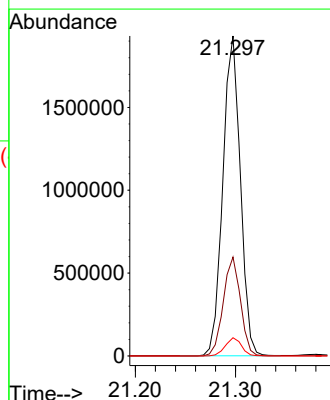
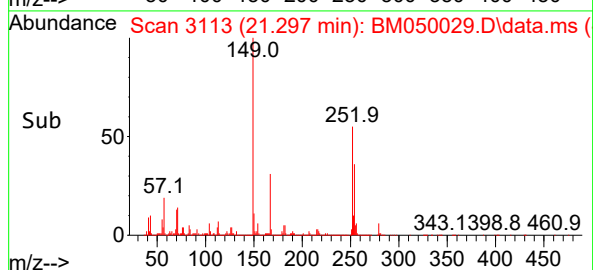
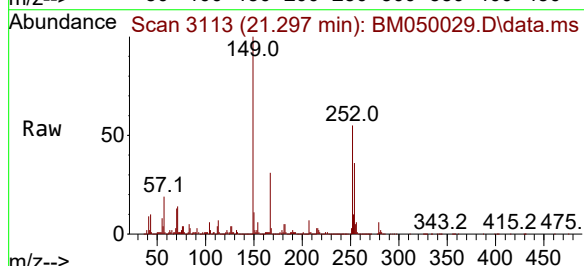
Tgt Ion:149 Resp: 2336926

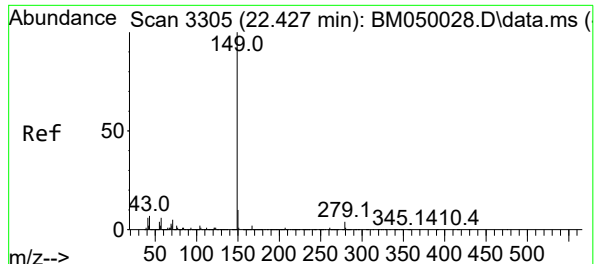
Ion Ratio Lower Upper

149 100

167 30.9 24.1 36.1

279 5.7 3.9 5.9

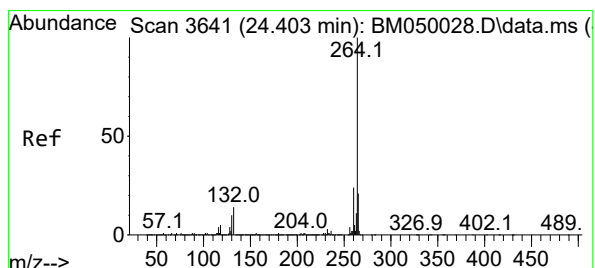
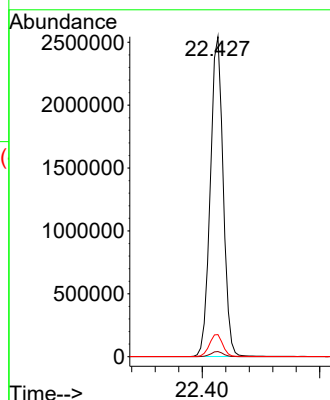
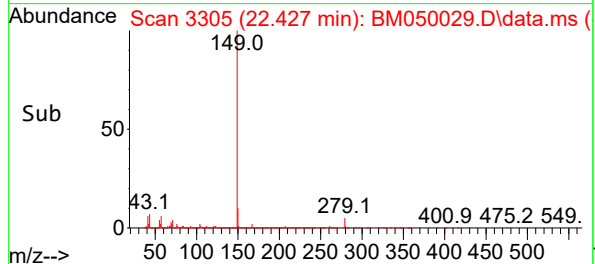
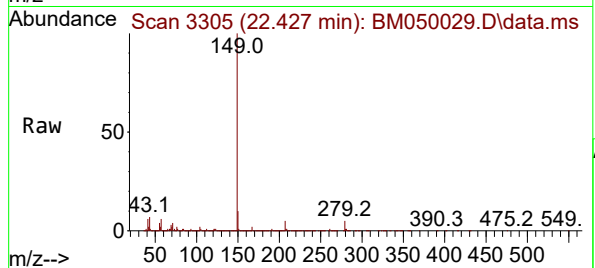




#85
Di-n-octyl phthalate
Concen: 54.170 ng
RT: 22.427 min Scan# 31
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

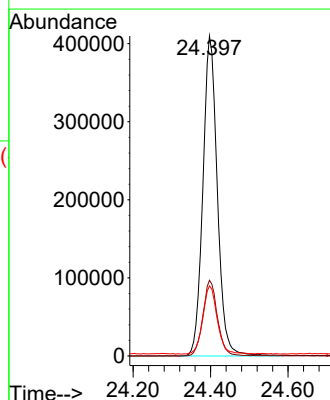
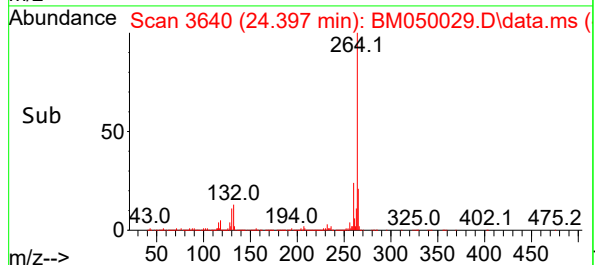
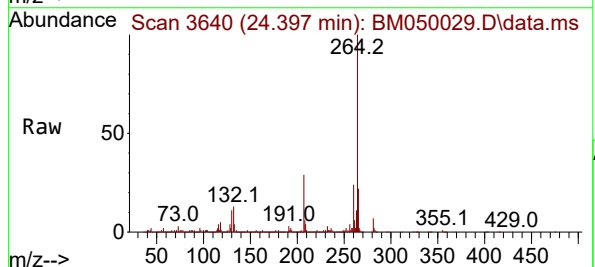
Instrument :
BNA_M
ClientSampleId :
SSTDICC050

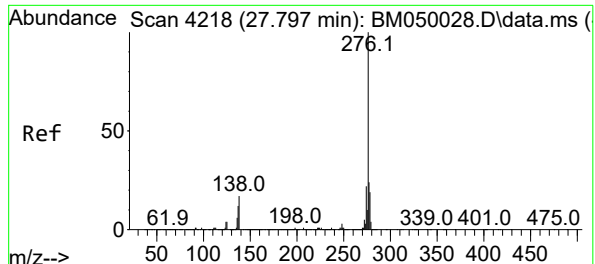
Tgt Ion:149 Resp: 3852190
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 7.2 5.8 8.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.397 min Scan# 3640
Delta R.T. -0.006 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:264 Resp: 1061511
Ion Ratio Lower Upper
264 100
260 23.7 18.8 28.2
265 21.9 17.0 25.4

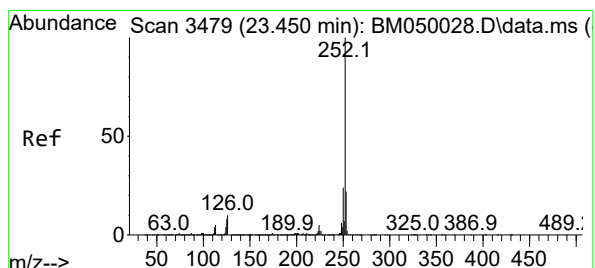
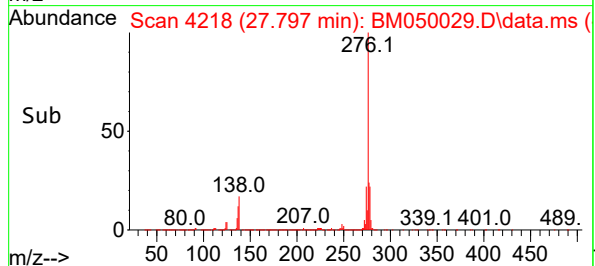
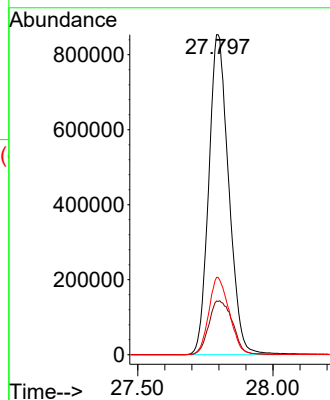
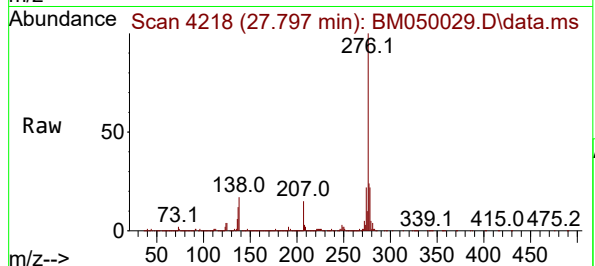




#87
Indeno(1,2,3-cd)pyrene
Concen: 55.240 ng
RT: 27.797 min Scan# 4218
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

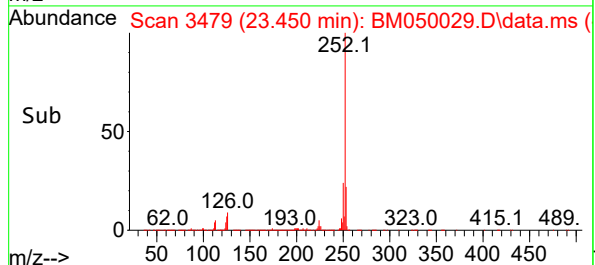
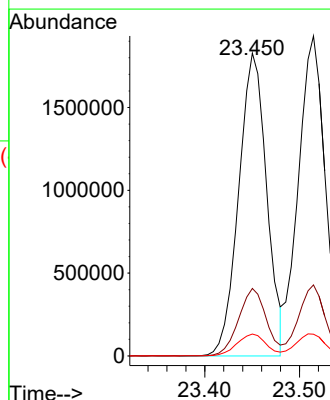
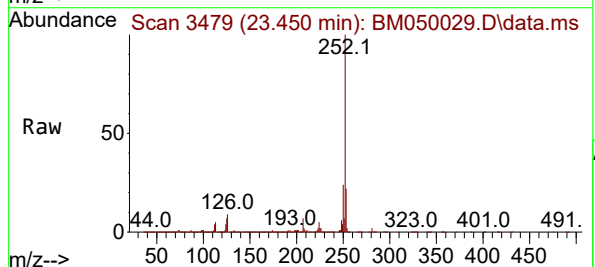
Instrument :
BNA_M
ClientSampleId :
SSTDICC050

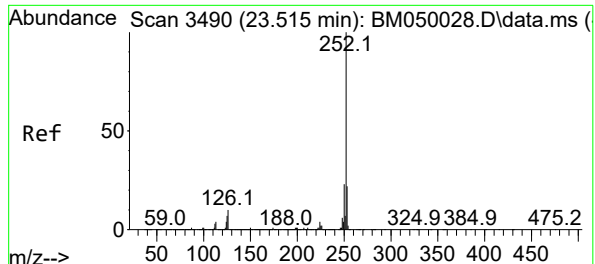
Tgt Ion:276 Resp: 4369253
Ion Ratio Lower Upper
276 100
138 20.1 16.4 24.6
277 24.9 19.8 29.8



#88
Benzo(b)fluoranthene
Concen: 54.405 ng
RT: 23.450 min Scan# 3479
Delta R.T. -0.000 min
Lab File: BM050029.D
Acq: 28 Apr 2025 15:45

Tgt Ion:252 Resp: 3755728
Ion Ratio Lower Upper
252 100
253 22.3 17.7 26.5
125 7.2 6.1 9.1





#89

Benzo(k)fluoranthene

Concen: 55.037 ng

RT: 23.515 min Scan# 34

Delta R.T. -0.000 min

Lab File: BM050029.D

Acq: 28 Apr 2025 15:45

Instrument :

BNA_M

ClientSampleId :

SSTDICC050

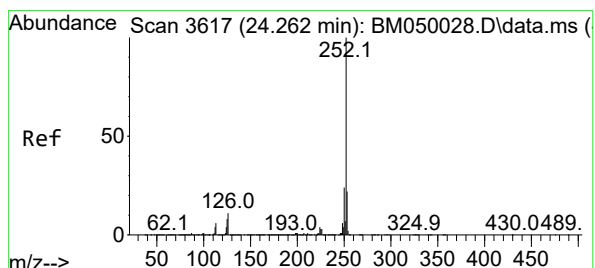
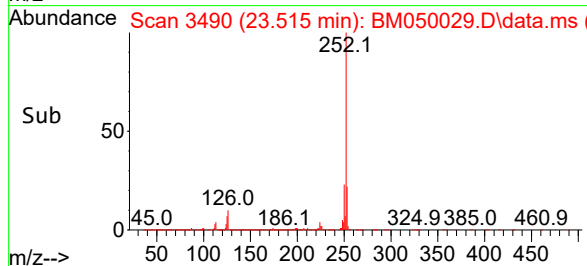
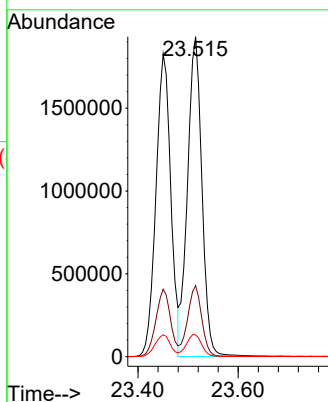
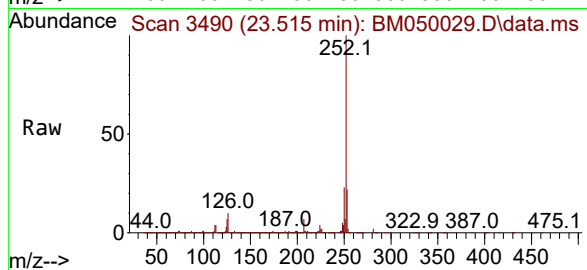
Tgt Ion:252 Resp: 3844095

Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.2

125 6.8 5.8 8.8



#90

Benzo(a)pyrene

Concen: 54.588 ng

RT: 24.262 min Scan# 3617

Delta R.T. -0.000 min

Lab File: BM050029.D

Acq: 28 Apr 2025 15:45

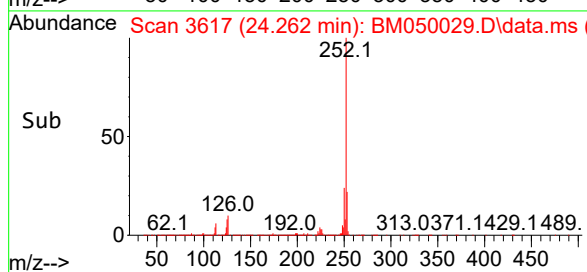
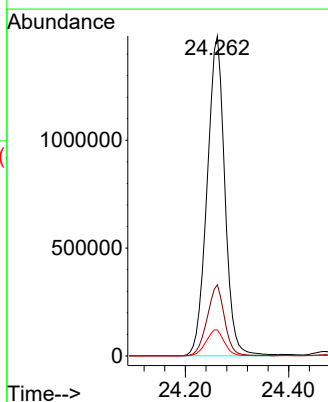
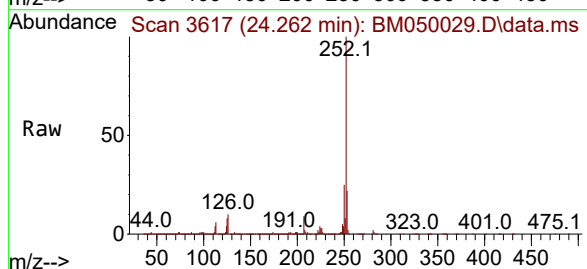
Tgt Ion:252 Resp: 3529489

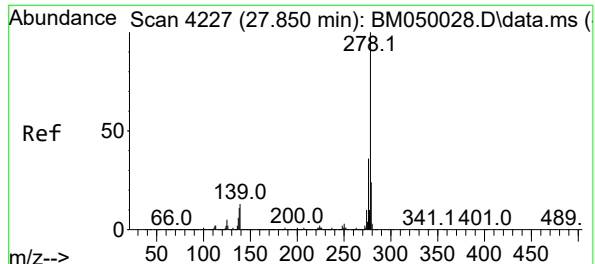
Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.0

125 8.1 6.6 9.8





#91

Dibenzo(a,h)anthracene

Concen: 55.448 ng

RT: 27.838 min Scan# 41

Delta R.T. -0.012 min

Lab File: BM050029.D

Acq: 28 Apr 2025 15:45

Instrument :

BNA_M

ClientSampleId :

SSTDICC050

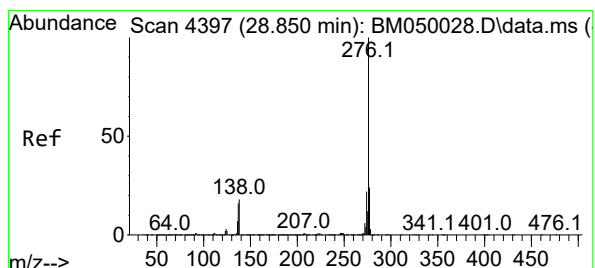
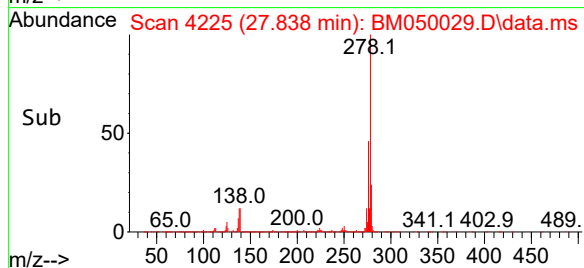
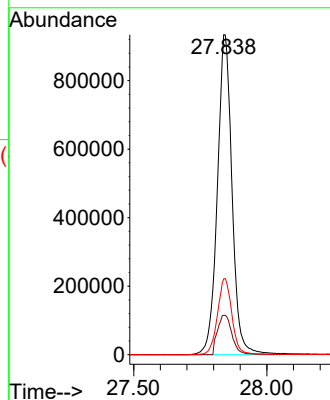
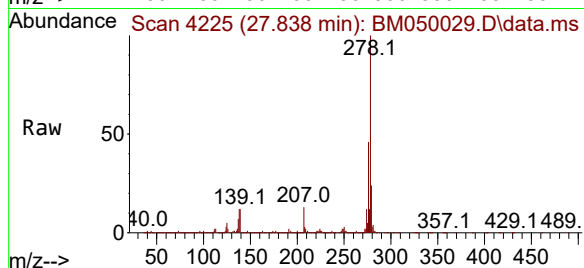
Tgt Ion:278 Resp: 3575099

Ion Ratio Lower Upper

278 100

139 12.3 10.5 15.7

279 23.7 19.4 29.0



#92

Benzo(g,h,i)perylene

Concen: 54.494 ng

RT: 28.850 min Scan# 4397

Delta R.T. -0.000 min

Lab File: BM050029.D

Acq: 28 Apr 2025 15:45

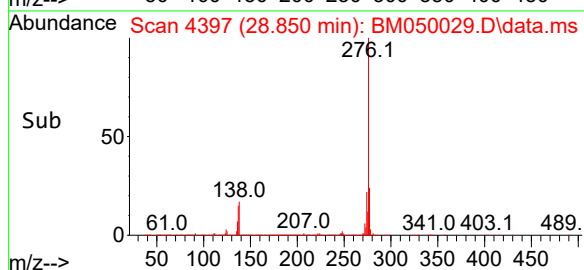
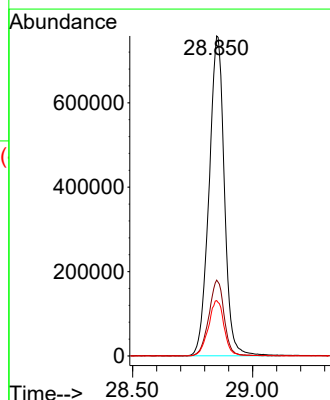
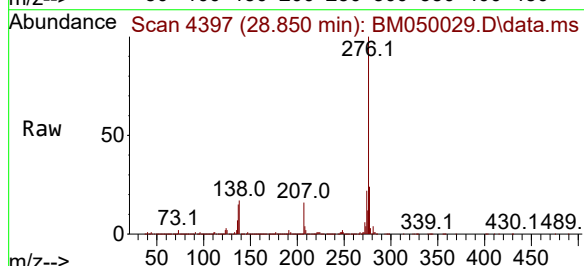
Tgt Ion:276 Resp: 3363778

Ion Ratio Lower Upper

276 100

277 23.7 19.1 28.7

138 17.3 14.3 21.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
 Data File : BM050030.D
 Acq On : 28 Apr 2025 16:24
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC060

Quant Time: Apr 28 17:58:19 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 17:38:08 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	238160	20.000	ng	0.00
21) Naphthalene-d8	10.563	136	873845	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	580977	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1144389	20.000	ng	0.00
76) Chrysene-d12	21.398	240	1144881	20.000	ng	0.00
86) Perylene-d12	24.397	264	1099459	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1676078	123.234	ng	0.00
7) Phenol-d6	6.951	99	2135178	124.905	ng	0.00
23) Nitrobenzene-d5	8.928	82	2186546	123.300	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	1107899	128.968	ng	0.00
45) 2-Fluorobiphenyl	13.033	172	6079094	123.782	ng	0.00
79) Terphenyl-d14	19.780	244	10017186	129.471	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.252	88	350690	60.136	ng	99
3) Pyridine	3.658	79	923444	61.631	ng	99
4) n-Nitrosodimethylamine	3.563	42	360090	61.276	ng	98
6) Aniline	7.098	93	1339587	62.058	ng	100
8) 2-Chlorophenol	7.340	128	905849	61.600	ng	99
9) Benzaldehyde	6.910	77	683177	59.793	ng	99
10) Phenol	6.981	94	1072175	61.956	ng	99
11) bis(2-Chloroethyl)ether	7.193	93	880705	60.947	ng	100
12) 1,3-Dichlorobenzene	7.657	146	1077725	60.670	ng	99
13) 1,4-Dichlorobenzene	7.804	146	1083367	60.707	ng	99
14) 1,2-Dichlorobenzene	8.122	146	1046214	60.691	ng	98
15) Benzyl Alcohol	8.016	79	750490	63.306	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.293	45	1052561	59.922	ng	100
17) 2-Methylphenol	8.228	107	705836	61.914	ng	99
18) Hexachloroethane	8.845	117	380742	60.018	ng	99
19) n-Nitroso-di-n-propyla...	8.575	70	678107	61.851	ng	100
20) 3+4-Methylphenols	8.551	107	964063	62.619	ng	97
22) Acetophenone	8.592	105	1325893	61.030	ng	# 99
24) Nitrobenzene	8.969	77	938300	61.193	ng	99
25) Isophorone	9.498	82	1845274	61.044	ng	99
26) 2-Nitrophenol	9.681	139	504441	64.395	ng	99
27) 2,4-Dimethylphenol	9.751	122	816717	62.869	ng	98
28) bis(2-Chloroethoxy)met...	9.975	93	1138921	60.958	ng	100
29) 2,4-Dichlorophenol	10.228	162	920741	63.266	ng	98
30) 1,2,4-Trichlorobenzene	10.428	180	1079970	60.907	ng	100
31) Naphthalene	10.610	128	2682942	60.626	ng	100
32) Benzoic acid	9.928	122	556598	67.178	ng	98
33) 4-Chloroaniline	10.728	127	1146085	63.184	ng	99
34) Hexachlorobutadiene	10.898	225	689159	61.230	ng	99
35) Caprolactam	11.528	113	266678	62.845	ng	98
36) 4-Chloro-3-methylphenol	11.869	107	832050	61.882	ng	100
37) 2-Methylnaphthalene	12.228	142	1815345	61.185	ng	99
38) 1-Methylnaphthalene	12.445	142	1916000	61.021	ng	100
40) 1,2,4,5-Tetrachloroben...	12.598	216	1264090	62.853	ng	100
41) Hexachlorocyclopentadiene	12.580	237	814238	66.248	ng	99
43) 2,4,6-Trichlorophenol	12.851	196	814256	63.832	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
 Data File : BM050030.D
 Acq On : 28 Apr 2025 16:24
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC060

Quant Time: Apr 28 17:58:19 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 17:38:08 2025
 Response via : Initial Calibration

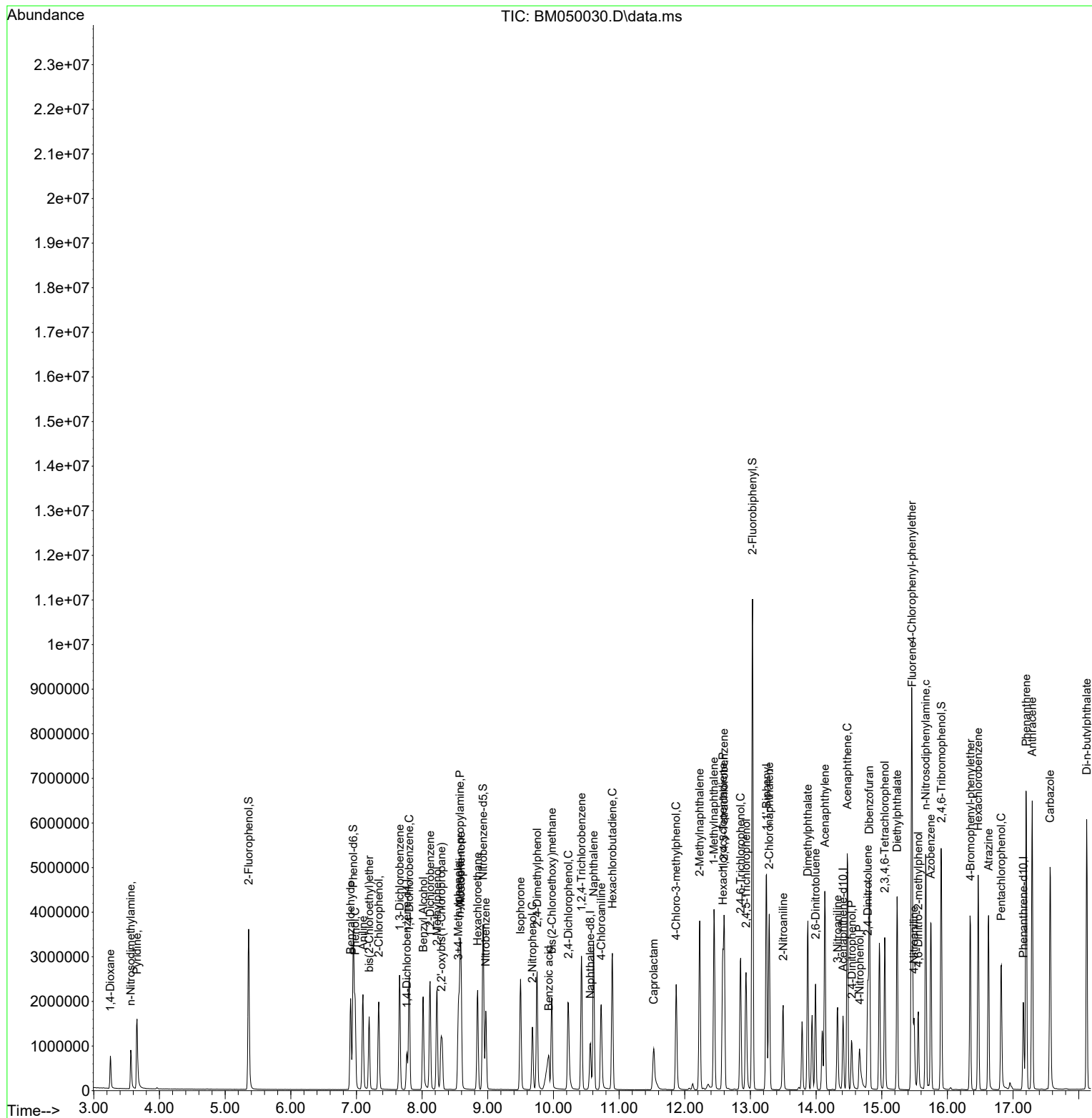
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.933	196	872921	63.459	ng	99
46) 1,1'-Biphenyl	13.245	154	2626494	60.817	ng	99
47) 2-Chloronaphthalene	13.286	162	2078242	60.760	ng	100
48) 2-Nitroaniline	13.498	65	512544	63.847	ng	99
49) Acenaphthylene	14.133	152	3292902	61.060	ng	100
50) Dimethylphthalate	13.874	163	2562233	60.347	ng	100
51) 2,6-Dinitrotoluene	13.992	165	551466	62.732	ng	99
52) Acenaphthene	14.474	154	1906973	61.089	ng	100
53) 3-Nitroaniline	14.327	138	541960	64.574	ng	99
54) 2,4-Dinitrophenol	14.545	184	327924	59.847	ng	97
55) Dibenzofuran	14.810	168	3154566	60.738	ng	100
56) 4-Nitrophenol	14.663	139	402106	60.088	ng	99
57) 2,4-Dinitrotoluene	14.786	165	779604	64.180	ng	98
58) Fluorene	15.463	166	2614340	61.497	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.045	232	752680	63.213	ng	98
60) Diethylphthalate	15.233	149	2397624	59.930	ng	99
61) 4-Chlorophenyl-phenyle...	15.457	204	1457099	62.403	ng	98
62) 4-Nitroaniline	15.492	138	524887	64.776	ng	98
63) Azobenzene	15.745	77	2030208	60.550	ng	99
65) 4,6-Dinitro-2-methylph...	15.557	198	473987	66.167	ng	98
66) n-Nitrosodiphenylamine	15.668	169	2158446	61.422	ng	100
67) 4-Bromophenyl-phenylether	16.351	248	878886	63.509	ng	95
68) Hexachlorobenzene	16.468	284	1000366	62.711	ng	97
69) Atrazine	16.627	200	802538	63.312	ng	99
70) Pentachlorophenol	16.821	266	584874	65.136	ng	99
71) Phenanthrene	17.198	178	4028280	62.410	ng	99
72) Anthracene	17.292	178	4088295	62.590	ng	100
73) Carbazole	17.562	167	3562573	62.854	ng	100
74) Di-n-butylphthalate	18.121	149	4225922	62.607	ng	100
75) Fluoranthene	19.215	202	4891273	64.546	ng	100
77) Benzidine	19.404	184	2626747	64.592	ng	100
78) Pyrene	19.580	202	5030035	62.565	ng	100
80) Butylbenzylphthalate	20.474	149	1873444	62.216	ng	96
81) Benzo(a)anthracene	21.380	228	4954357	62.841	ng	99
82) 3,3'-Dichlorobenzidine	21.303	252	2003019	66.368	ng	99
83) Chrysene	21.445	228	4549388	62.348	ng	99
84) Bis(2-ethylhexyl)phtha...	21.298	149	2797195	62.192	ng	# 97
85) Di-n-octyl phthalate	22.427	149	4605837	62.095	ng	100
87) Indeno(1,2,3-cd)pyrene	27.797	276	5248662	64.068	ng	99
88) Benzo(b)fluoranthene	23.456	252	4643026	64.936	ng	99
89) Benzo(k)fluoranthene	23.515	252	4561134	63.050	ng	100
90) Benzo(a)pyrene	24.262	252	4281665	63.936	ng	100
91) Dibenzo(a,h)anthracene	27.850	278	4305928	64.478	ng	99
92) Benzo(g,h,i)perylene	28.850	276	4036958	63.142	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050030.D
Acq On : 28 Apr 2025 16:24
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Quant Time: Apr 28 17:58:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Abundance

TIC: BM050030.D\data.ms

Time-->

Carbazole

Di-n-butylphthalate

Fluoranthene, C

Pyrene

Terphenyl-d4, S

Butylbenzylphthalate

Chrysene-d12

Chrysene

Benzo(a)anthracene

Benzo(a)anthracene

Di-n-octyl phthalate, c

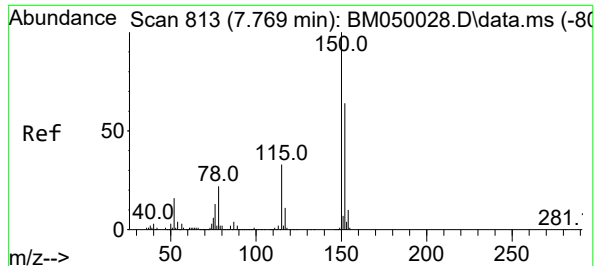
Benzo(a)pyrene

Benzo(a)pyrene, C

Perylene-d12, I

Indeno(1,2,3-cd)pyrene

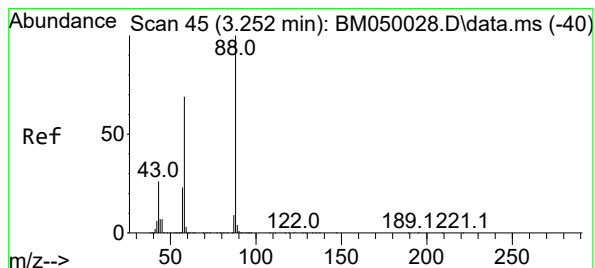
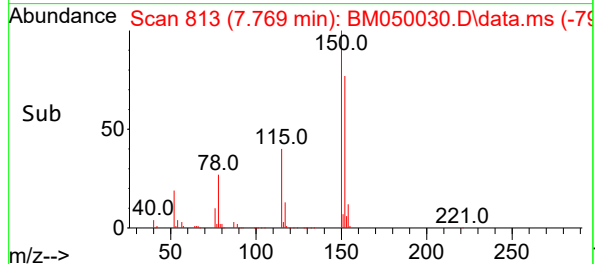
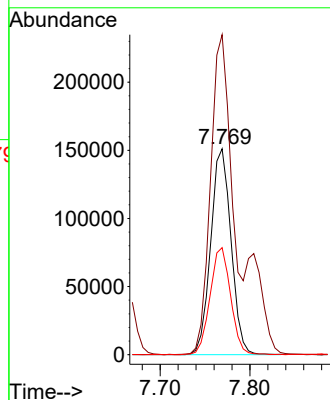
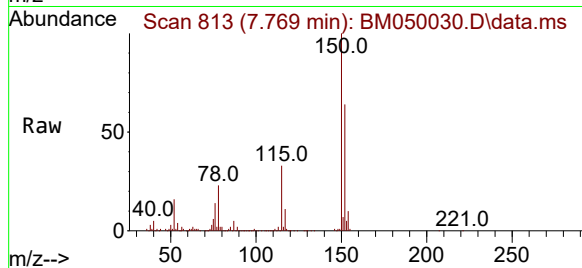
Benzo(g,h,i)perylene



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 813
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

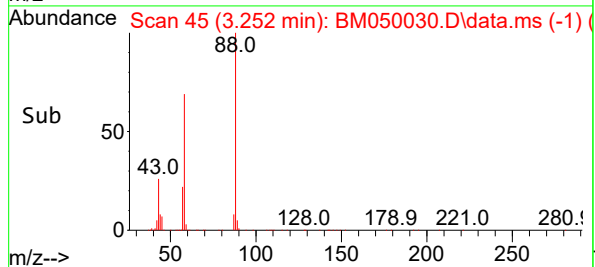
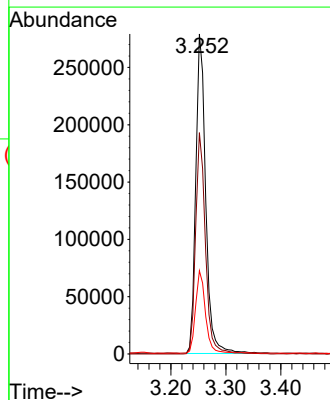
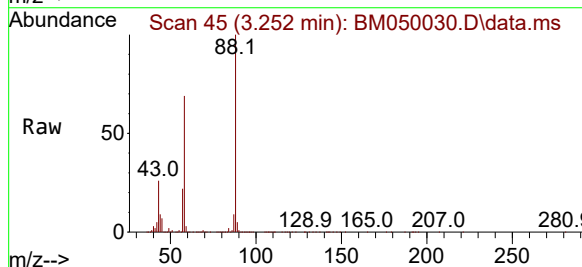
Instrument :
BNA_M
ClientSampleId :
SSTDICC060

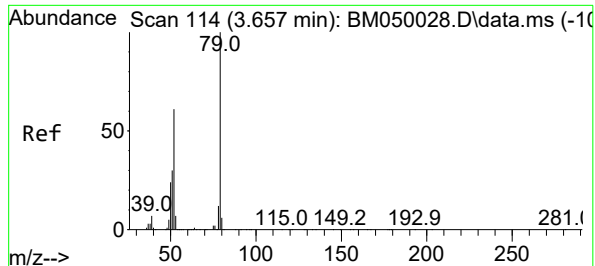
Tgt Ion:152 Resp: 238160
Ion Ratio Lower Upper
152 100
150 155.4 124.1 186.1
115 52.0 41.2 61.8



#2
1,4-Dioxane
Concen: 60.136 ng
RT: 3.252 min Scan# 45
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion: 88 Resp: 350690
Ion Ratio Lower Upper
88 100
58 68.4 55.1 82.7
43 25.4 20.9 31.3

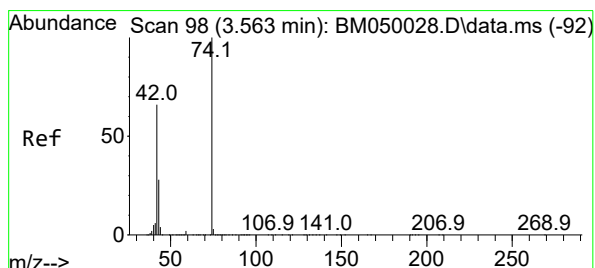
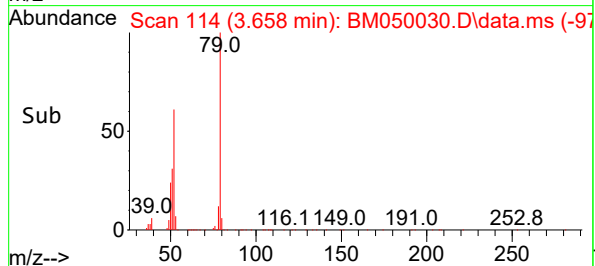
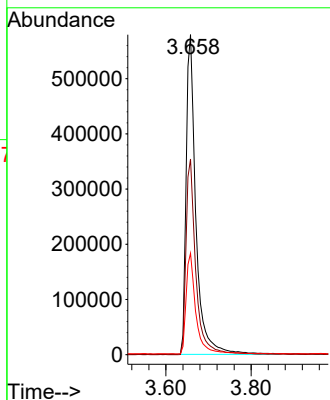
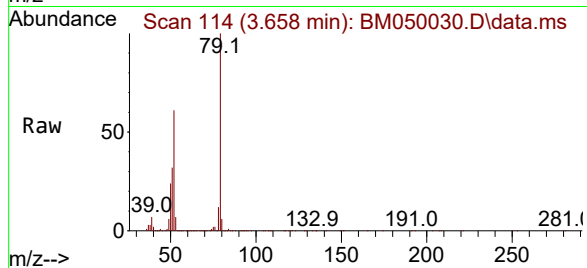




#3
Pyridine
Concen: 61.631 ng
RT: 3.658 min Scan# 114
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

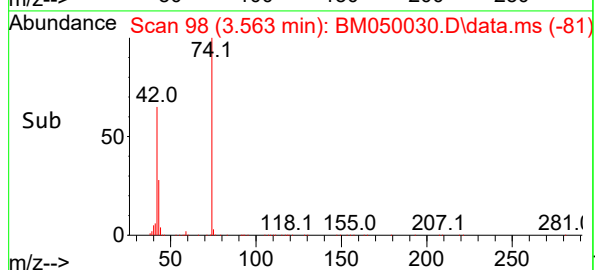
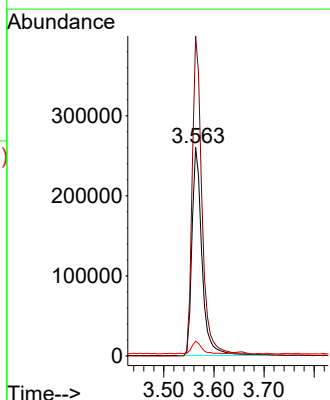
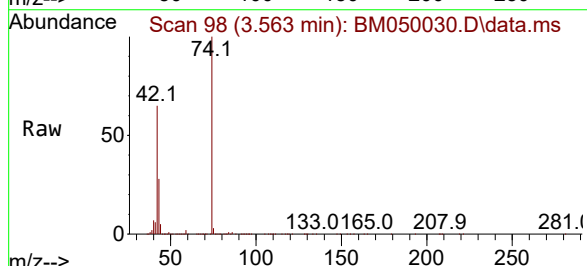
Instrument :
BNA_M
ClientSampleId :
SSTDICC060

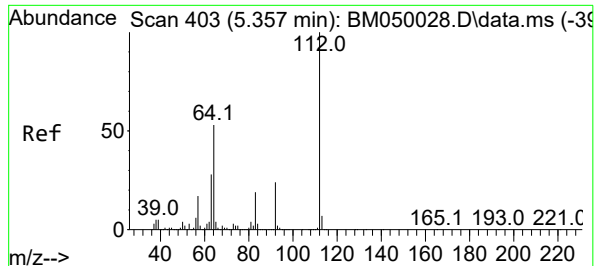
Tgt Ion: 79 Resp: 923444
Ion Ratio Lower Upper
79 100
52 61.2 48.6 72.8
51 31.7 24.6 37.0



#4
n-Nitrosodimethylamine
Concen: 61.276 ng
RT: 3.563 min Scan# 98
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion: 42 Resp: 360090
Ion Ratio Lower Upper
42 100
74 153.4 120.2 180.2
44 7.1 6.2 9.2





#5

2-Fluorophenol

Concen: 123.234 ng

RT: 5.357 min Scan# 403

Delta R.T. 0.000 min

Lab File: BM050030.D

Acq: 28 Apr 2025 16:24

Instrument :

BNA_M

ClientSampleId :

SSTDICC060

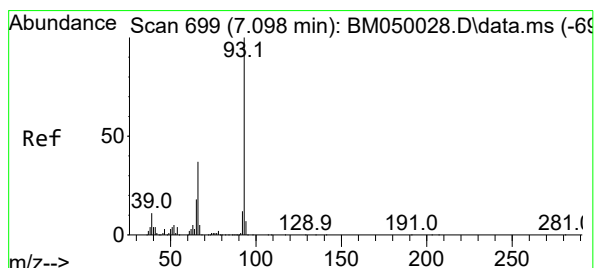
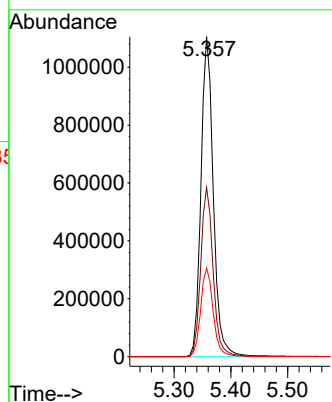
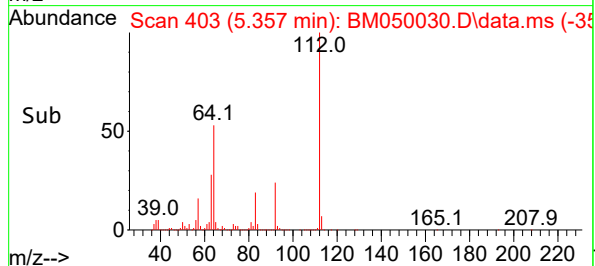
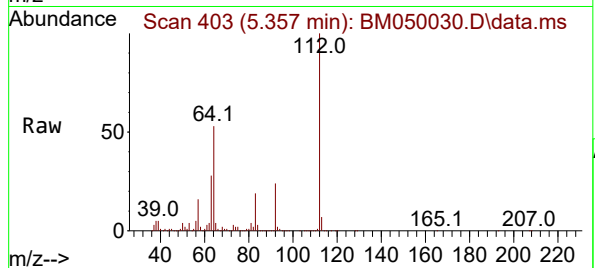
Tgt Ion:112 Resp: 1676078

Ion Ratio Lower Upper

112 100

64 52.8 42.6 64.0

63 27.7 22.2 33.4



#6

Aniline

Concen: 62.058 ng

RT: 7.098 min Scan# 699

Delta R.T. 0.000 min

Lab File: BM050030.D

Acq: 28 Apr 2025 16:24

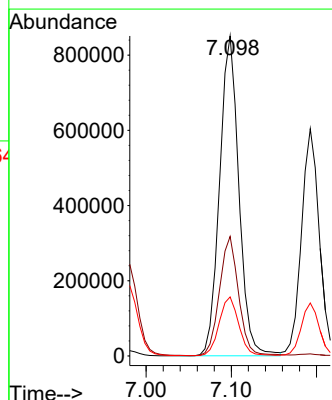
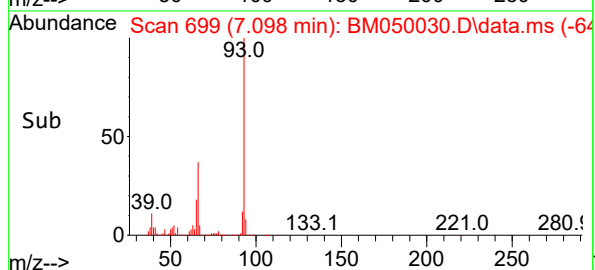
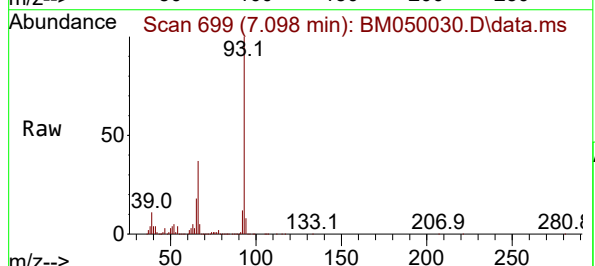
Tgt Ion: 93 Resp: 1339587

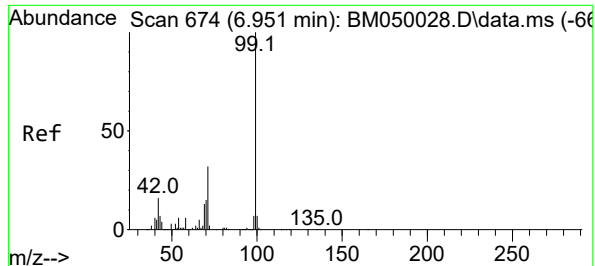
Ion Ratio Lower Upper

93 100

66 37.4 29.9 44.9

65 18.5 14.5 21.7

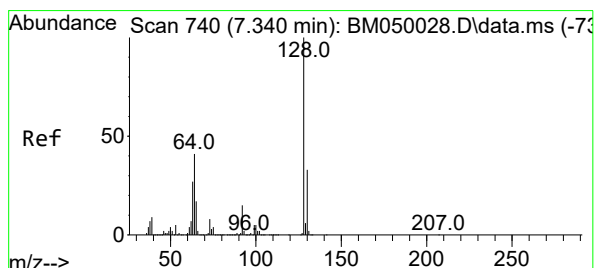
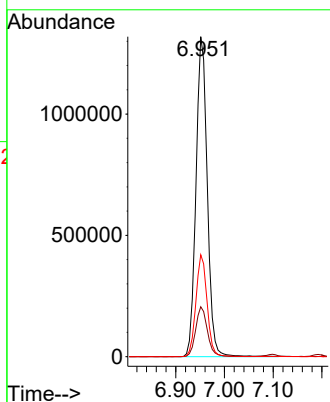
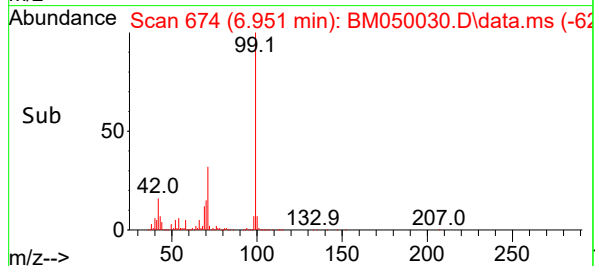
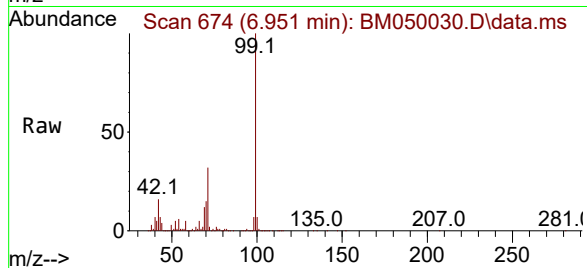




#7
Phenol-d6
Concen: 124.905 ng
RT: 6.951 min Scan# 674
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

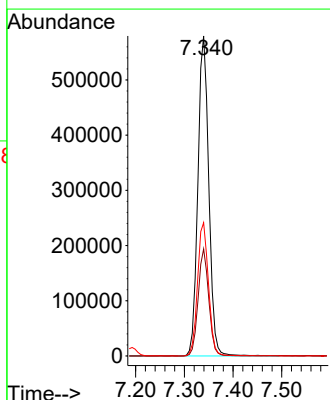
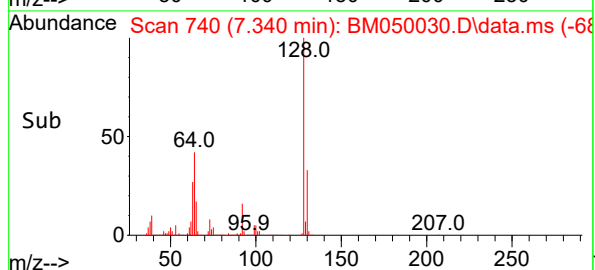
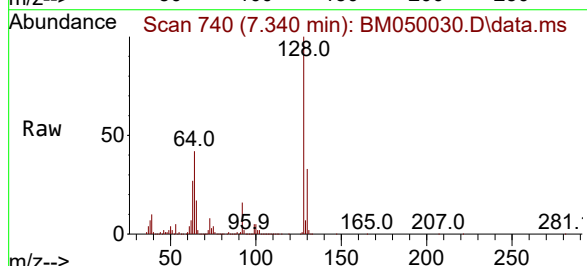
Instrument :
BNA_M
ClientSampleId :
SSTDICC060

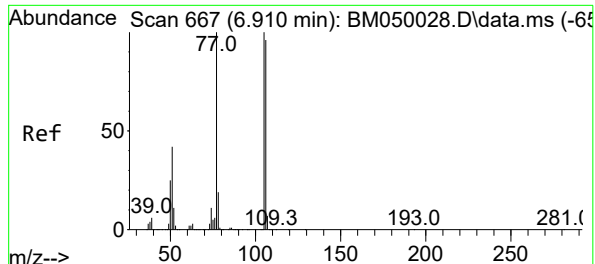
Tgt Ion: 99 Resp: 2135178
Ion Ratio Lower Upper
99 100
42 15.6 13.0 19.4
71 31.8 25.6 38.4



#8
2-Chlorophenol
Concen: 61.600 ng
RT: 7.340 min Scan# 740
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion: 128 Resp: 905849
Ion Ratio Lower Upper
128 100
130 33.5 12.8 52.8
64 41.7 21.2 61.2

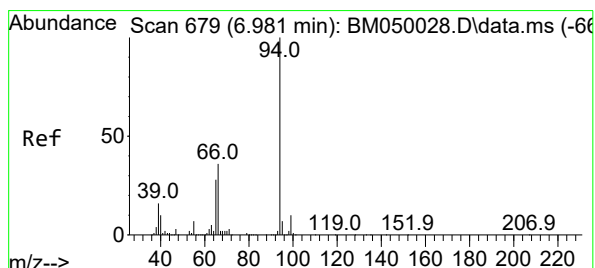
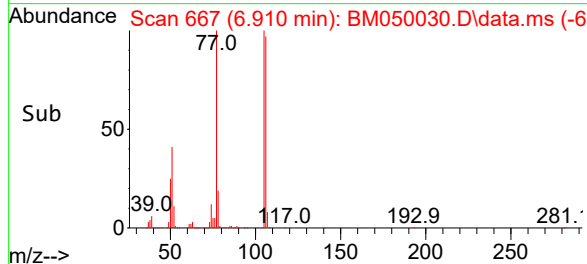
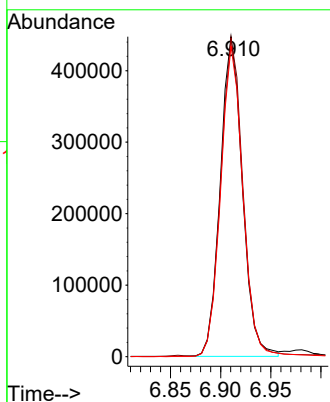
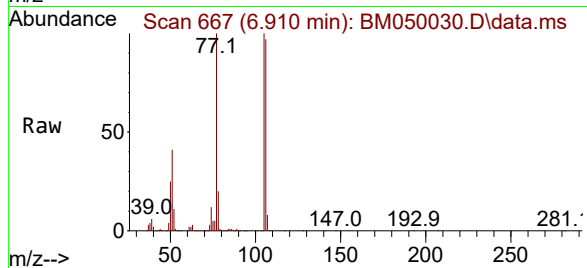




#9
Benzaldehyde
Concen: 59.793 ng
RT: 6.910 min Scan# 667
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

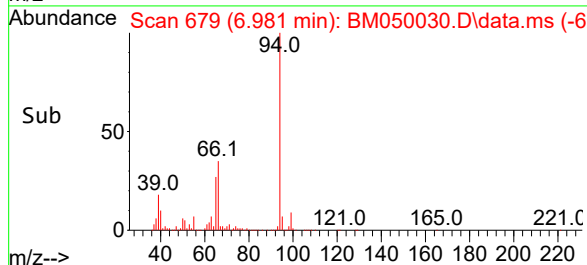
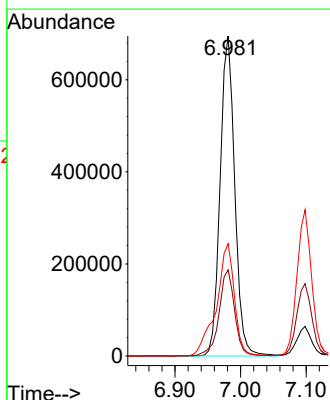
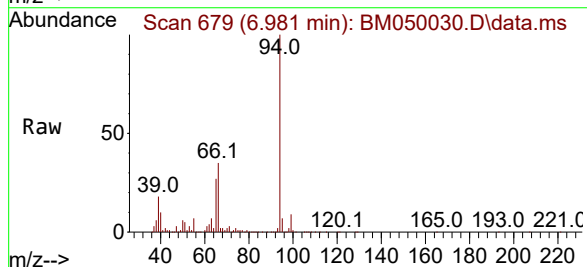
Instrument :
BNA_M
ClientSampleId :
SSTDICC060

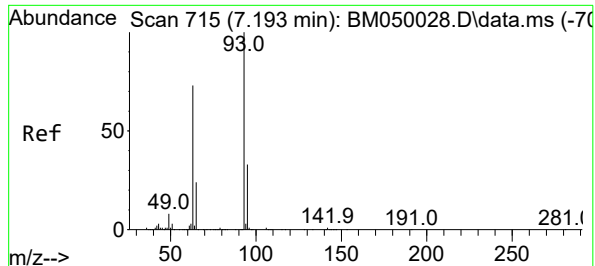
Tgt Ion: 77 Resp: 683177
Ion Ratio Lower Upper
77 100
105 99.6 80.5 120.5
106 97.1 76.1 116.1



#10
Phenol
Concen: 61.956 ng
RT: 6.981 min Scan# 679
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion: 94 Resp: 1072175
Ion Ratio Lower Upper
94 100
65 26.9 7.6 47.6
66 35.1 15.8 55.8

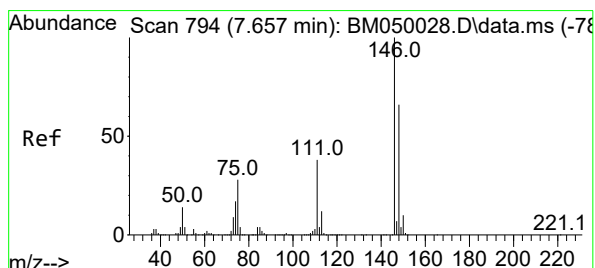
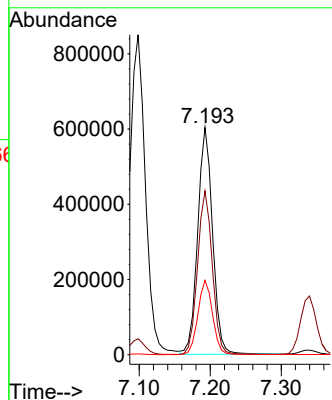
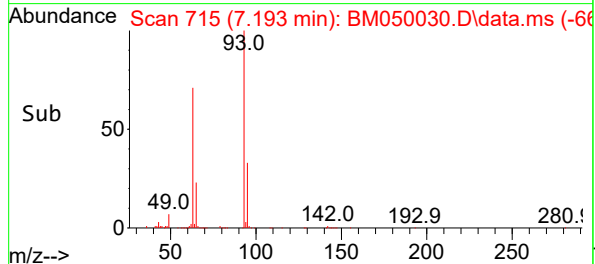
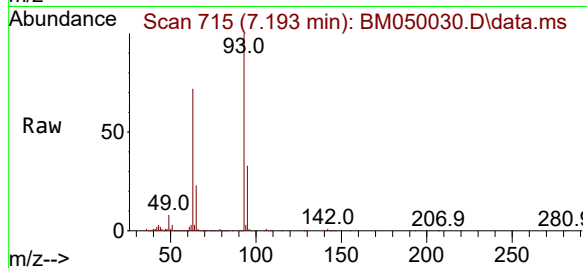




#11
bis(2-Chloroethyl)ether
Concen: 60.947 ng
RT: 7.193 min Scan# 715
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

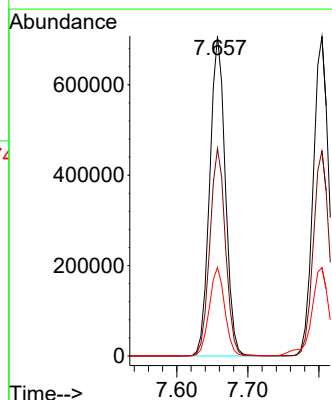
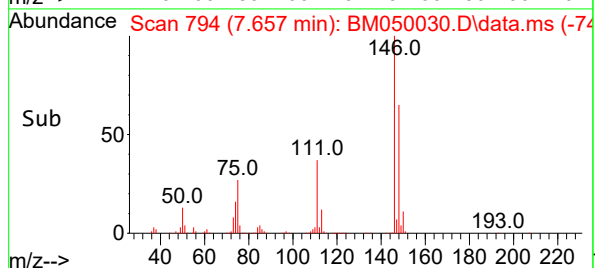
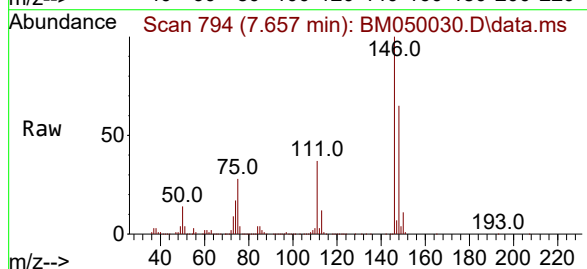
Instrument :
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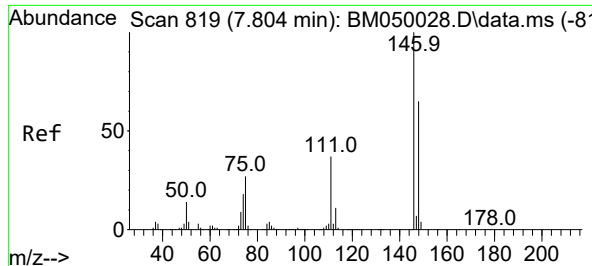
Tgt Ion: 93 Resp: 880705
Ion Ratio Lower Upper
93 100
63 72.0 52.3 92.3
95 32.7 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 60.670 ng
RT: 7.657 min Scan# 794
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion: 146 Resp: 1077725
Ion Ratio Lower Upper
146 100
148 64.9 52.5 78.7
75 27.7 22.6 34.0





#13

1,4-Dichlorobenzene

Concen: 60.707 ng

RT: 7.804 min Scan# 819

Delta R.T. 0.000 min

Lab File: BM050030.D

Acq: 28 Apr 2025 16:24

Instrument :

BNA_M

ClientSampleId :

SSTDICC060

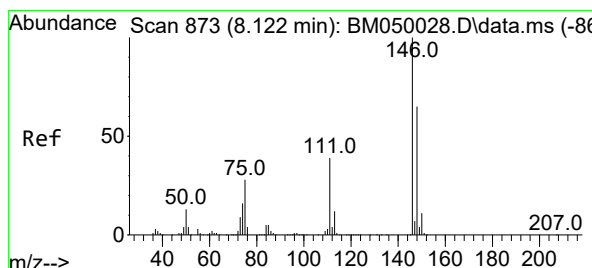
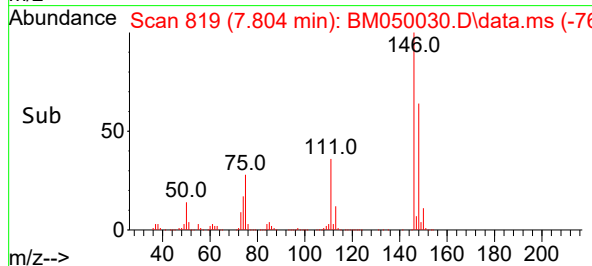
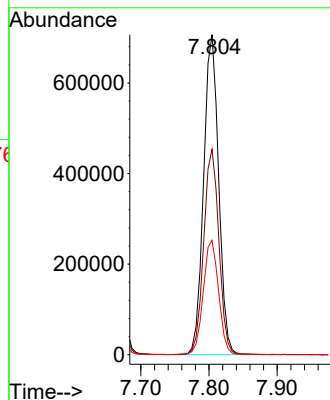
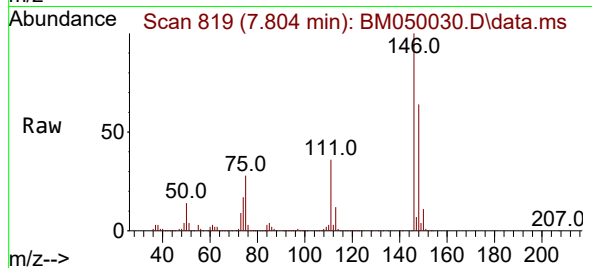
Tgt Ion:146 Resp: 1083367

Ion Ratio Lower Upper

146 100

148 64.2 52.2 78.2

111 35.7 29.3 43.9



#14

1,2-Dichlorobenzene

Concen: 60.691 ng

RT: 8.122 min Scan# 873

Delta R.T. 0.000 min

Lab File: BM050030.D

Acq: 28 Apr 2025 16:24

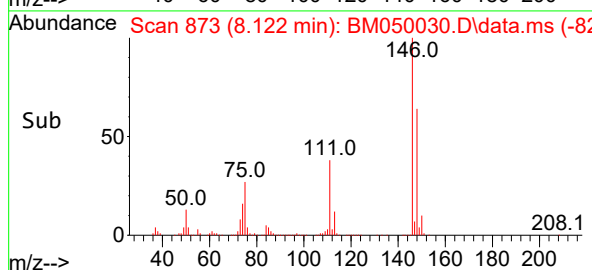
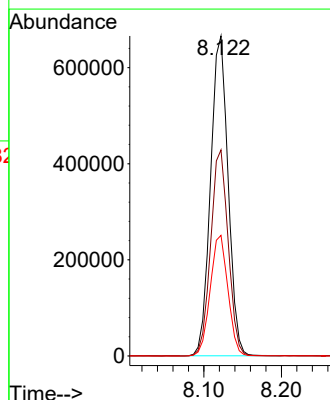
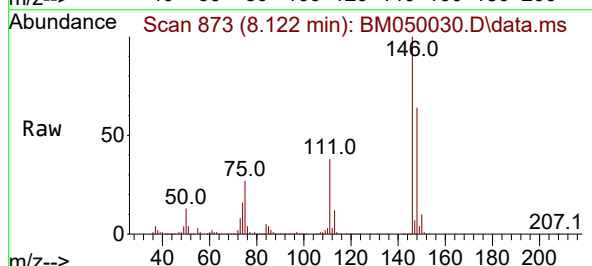
Tgt Ion:146 Resp: 1046214

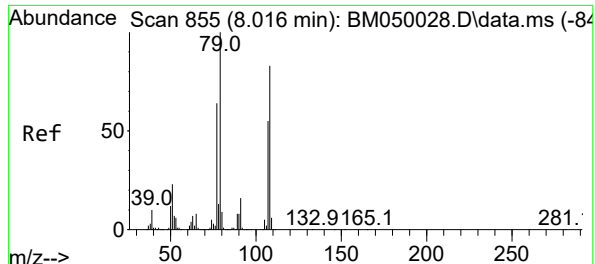
Ion Ratio Lower Upper

146 100

148 64.4 52.4 78.6

111 37.7 31.0 46.6





#15

Benzyl Alcohol

Concen: 63.306 ng

RT: 8.016 min Scan# 855

Delta R.T. 0.000 min

Lab File: BM050030.D

Acq: 28 Apr 2025 16:24

Instrument :

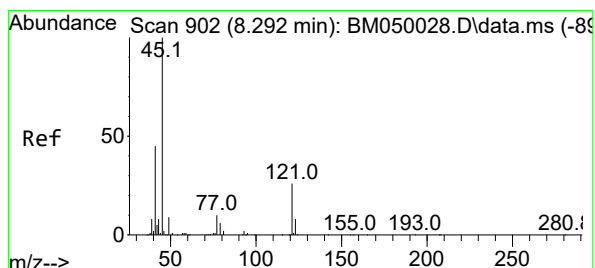
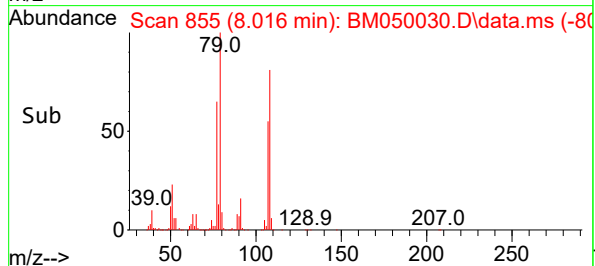
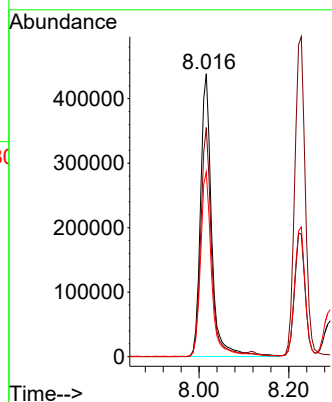
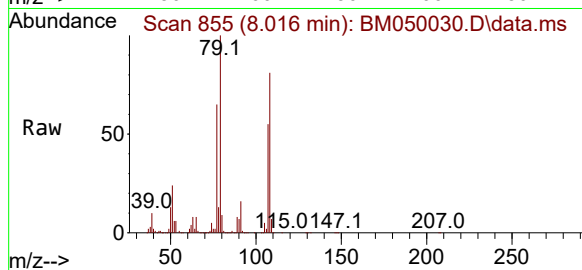
BNA_M

ClientSampleId :

SSTDICC060

Tgt Ion: 79 Resp: 750490

Ion	Ratio	Lower	Upper
79	100		
108	81.0	66.0	99.0
77	65.3	51.6	77.4



#16

2,2'-oxybis(1-chloropropane)

Concen: 59.922 ng

RT: 8.293 min Scan# 902

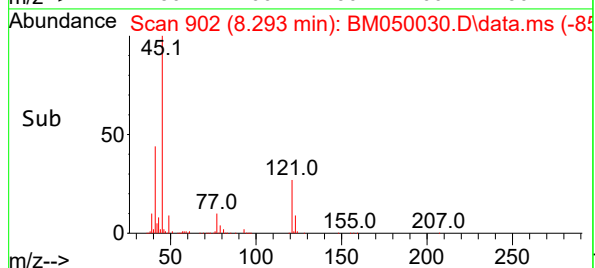
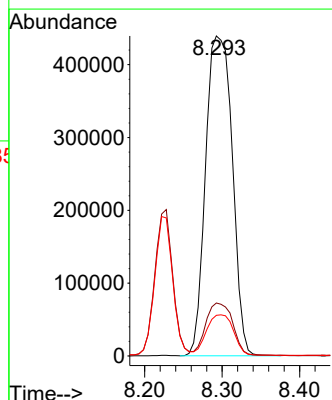
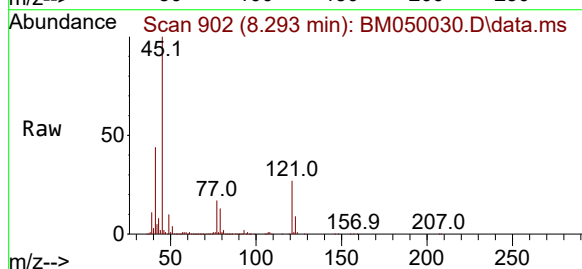
Delta R.T. 0.000 min

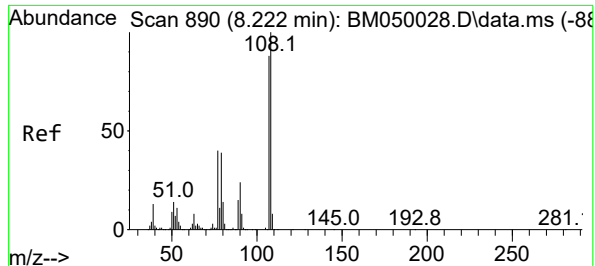
Lab File: BM050030.D

Acq: 28 Apr 2025 16:24

Tgt Ion: 45 Resp: 1052561

Ion	Ratio	Lower	Upper
45	100		
77	16.6	0.0	36.4
79	12.7	0.0	32.7





#17

2-Methylphenol

Concen: 61.914 ng

RT: 8.228 min Scan# 890

Delta R.T. 0.006 min

Lab File: BM050030.D

Acq: 28 Apr 2025 16:24

Instrument :

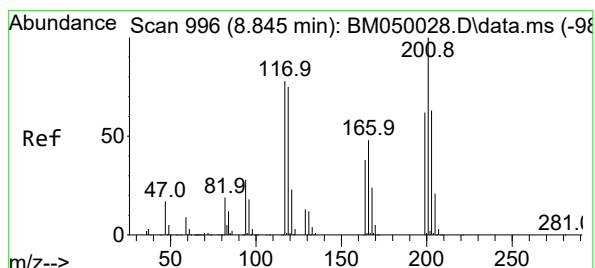
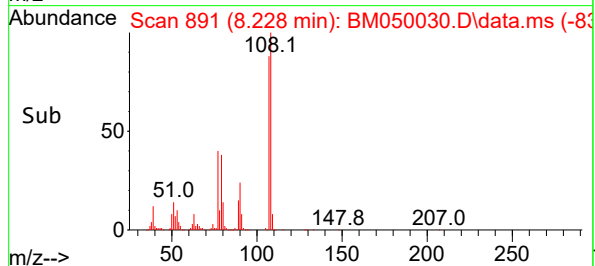
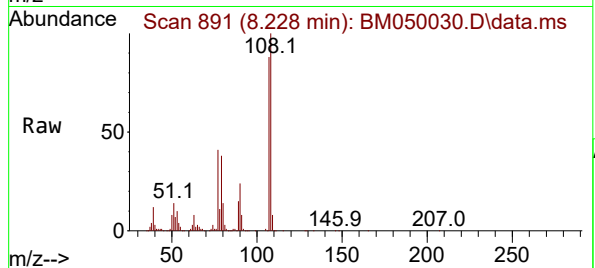
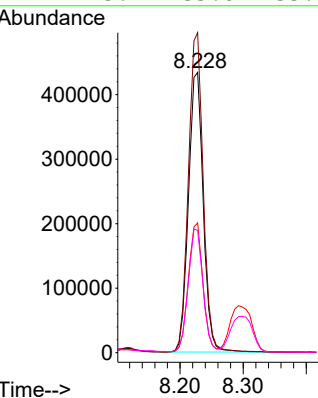
BNA_M

ClientSampleId :

SSTDICC060

Tgt Ion:107 Resp: 705836

Ion	Ratio	Lower	Upper
107	100		
108	114.2	91.1	136.7
77	46.3	36.2	54.4
79	43.7	35.8	53.8



#18

Hexachloroethane

Concen: 60.018 ng

RT: 8.845 min Scan# 996

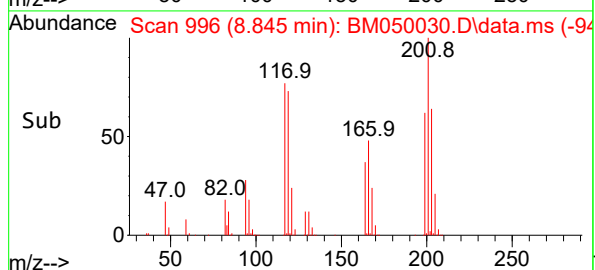
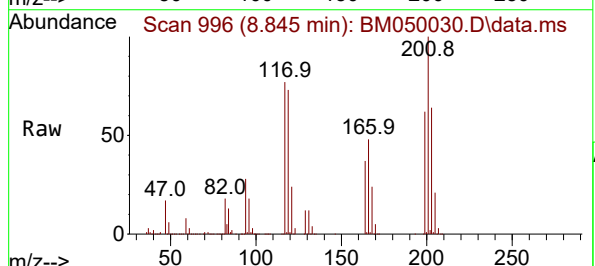
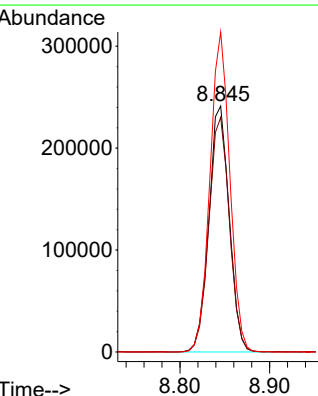
Delta R.T. 0.000 min

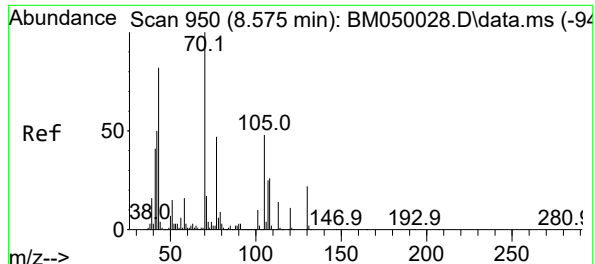
Lab File: BM050030.D

Acq: 28 Apr 2025 16:24

Tgt Ion:117 Resp: 380742

Ion	Ratio	Lower	Upper
117	100		
119	95.4	77.3	115.9
201	130.1	102.8	154.2





#19

n-Nitroso-di-n-propylamine

Concen: 61.851 ng

RT: 8.575 min Scan# 91

Delta R.T. 0.000 min

Lab File: BM050030.D

Acq: 28 Apr 2025 16:24

Instrument :

BNA_M

ClientSampleId :

SSTDICC060

Tgt Ion: 70 Resp: 678107

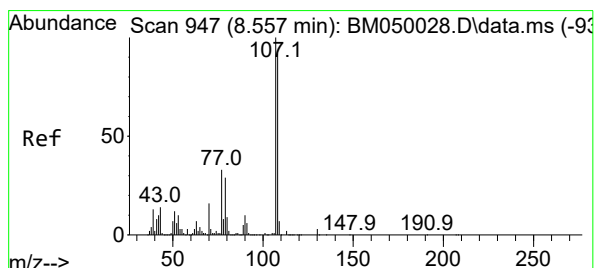
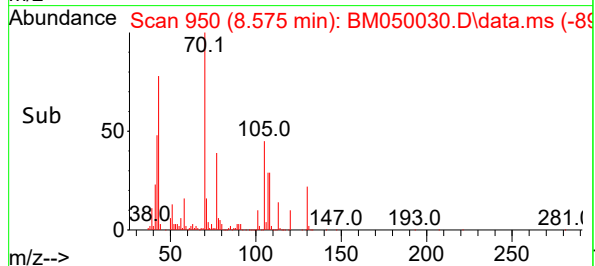
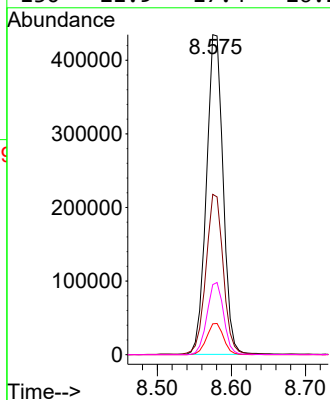
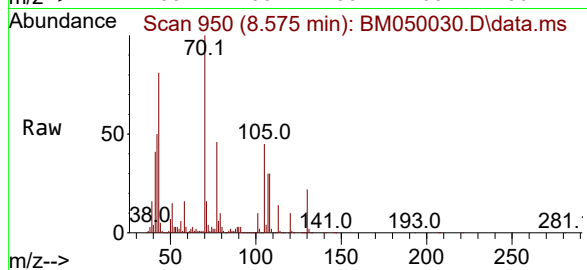
Ion Ratio Lower Upper

70 100

42 50.1 40.5 60.7

101 9.7 7.8 11.6

130 21.9 17.4 26.2



#20

3+4-Methylphenols

Concen: 62.619 ng

RT: 8.551 min Scan# 946

Delta R.T. -0.006 min

Lab File: BM050030.D

Acq: 28 Apr 2025 16:24

Tgt Ion: 107 Resp: 964063

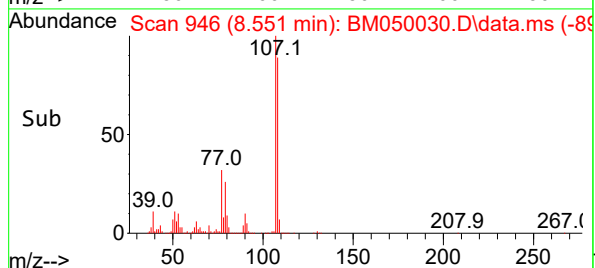
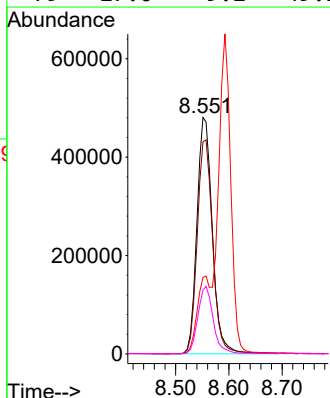
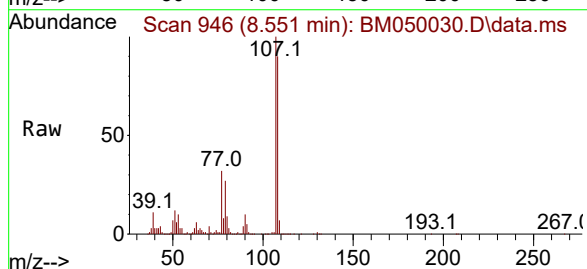
Ion Ratio Lower Upper

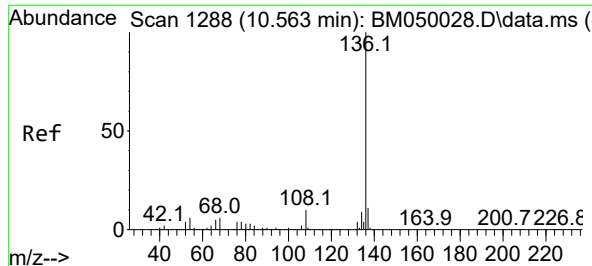
107 100

108 89.8 72.4 112.4

77 32.4 13.6 53.6

79 27.0 9.2 49.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.563 min Scan# 1288

Delta R.T. 0.000 min

Lab File: BM050030.D

Acq: 28 Apr 2025 16:24

Instrument :

BNA_M

ClientSampleId :

SSTDICC060

Tgt Ion:136 Resp: 873845

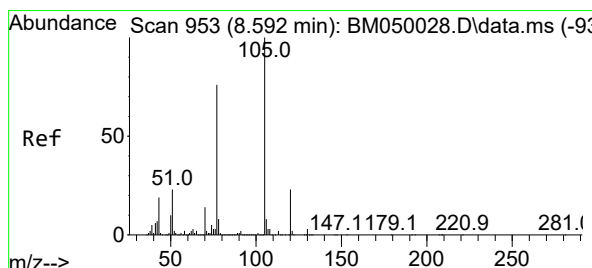
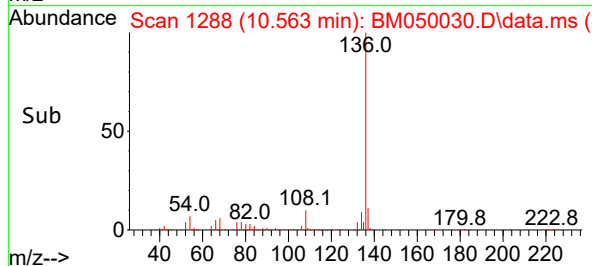
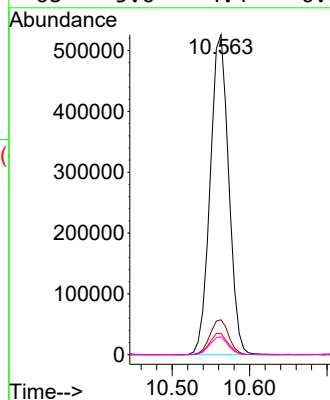
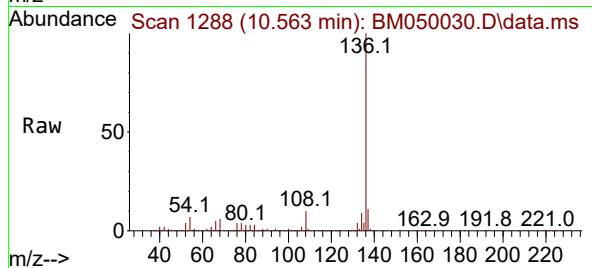
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 6.7 5.1 7.7

68 5.6 4.4 6.6



#22

Acetophenone

Concen: 61.030 ng

RT: 8.592 min Scan# 953

Delta R.T. 0.000 min

Lab File: BM050030.D

Acq: 28 Apr 2025 16:24

Tgt Ion:105 Resp: 1325893

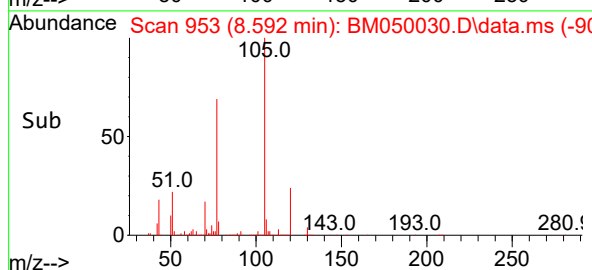
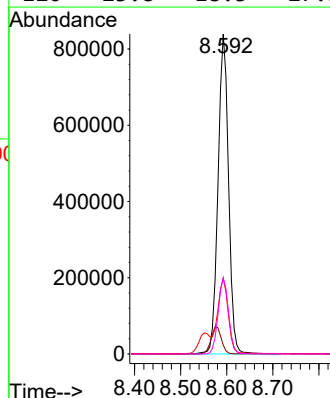
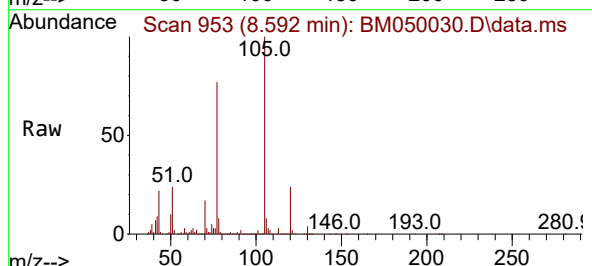
Ion Ratio Lower Upper

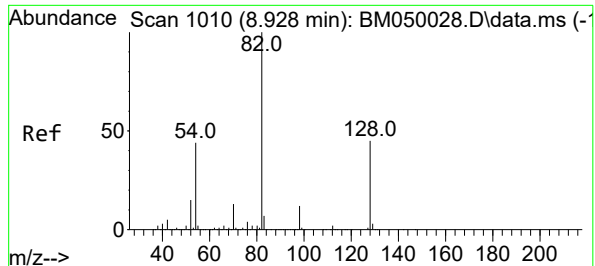
105 100

71 2.8 1.7 2.5

51 23.7 18.6 27.8

120 23.8 18.3 27.5





#23

Nitrobenzene-d5

Concen: 123.300 ng

RT: 8.928 min Scan# 1010

Delta R.T. 0.000 min

Lab File: BM050030.D

Acq: 28 Apr 2025 16:24

Instrument :

BNA_M

ClientSampleId :

SSTDICC060

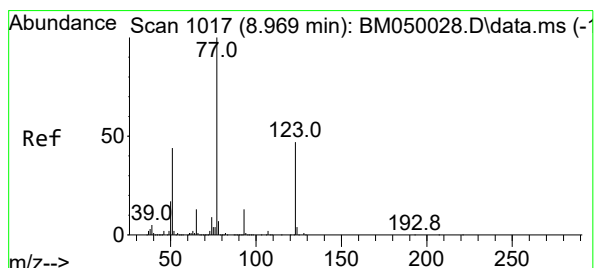
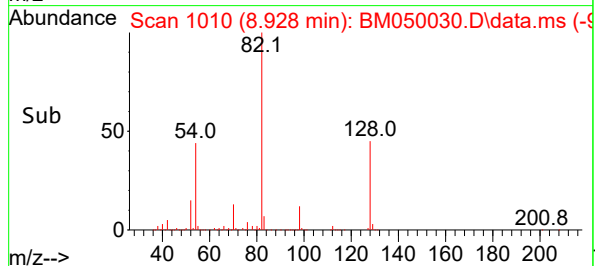
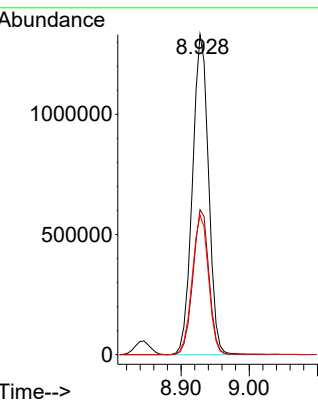
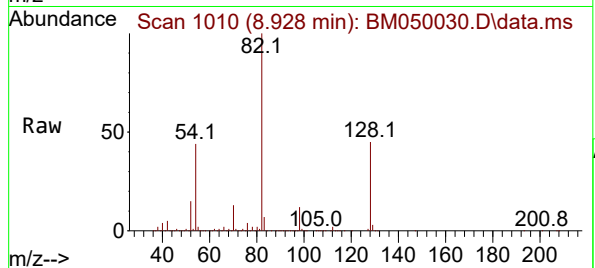
Tgt Ion: 82 Resp: 2186546

Ion Ratio Lower Upper

82 100

128 45.3 35.7 53.5

54 43.6 35.4 53.2



#24

Nitrobenzene

Concen: 61.193 ng

RT: 8.969 min Scan# 1017

Delta R.T. 0.000 min

Lab File: BM050030.D

Acq: 28 Apr 2025 16:24

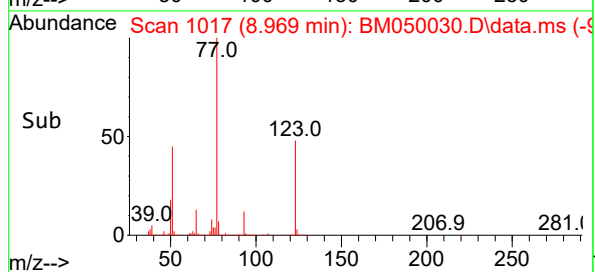
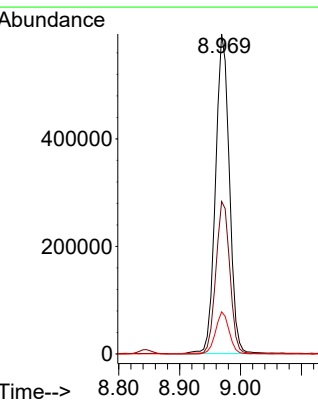
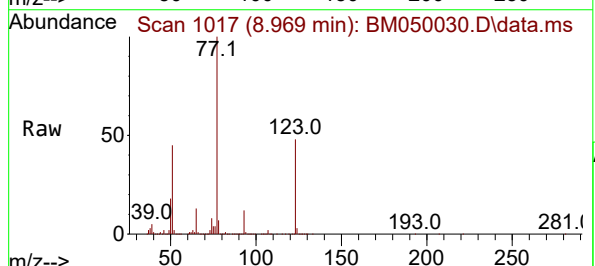
Tgt Ion: 77 Resp: 938300

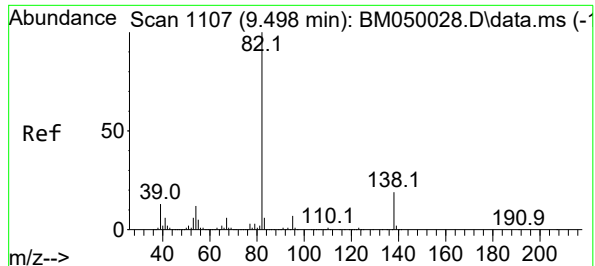
Ion Ratio Lower Upper

77 100

123 47.6 37.9 56.9

65 13.2 10.1 15.1

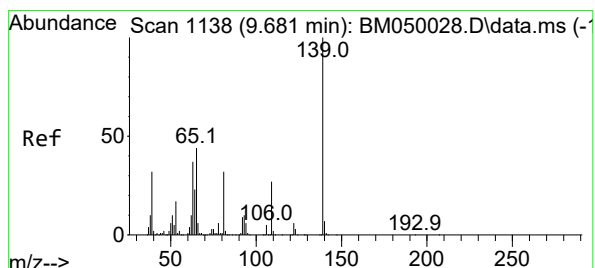
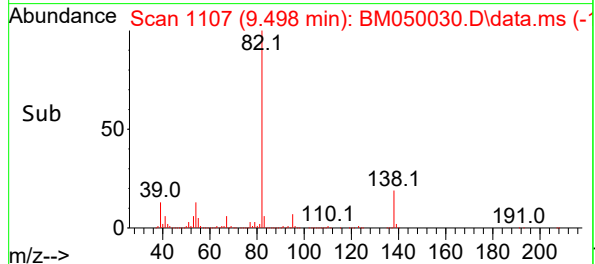
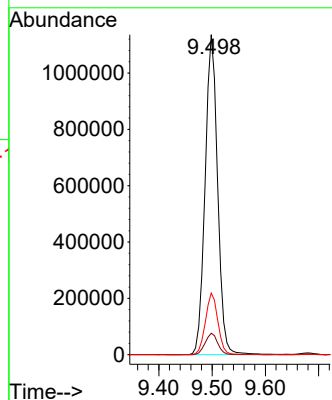
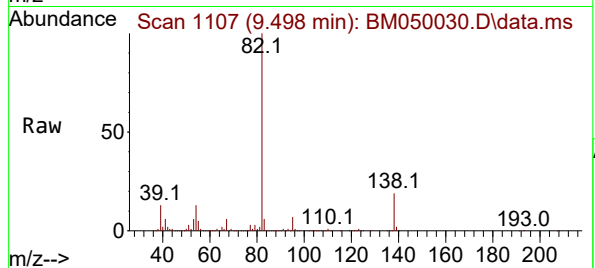




#25
Isophorone
Concen: 61.044 ng
RT: 9.498 min Scan# 1107
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

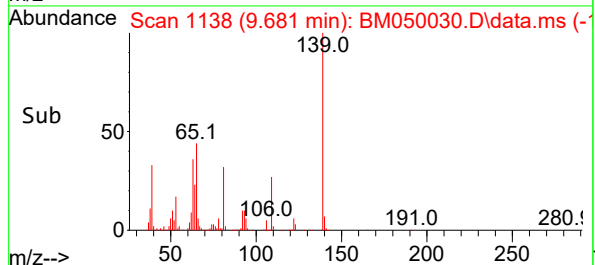
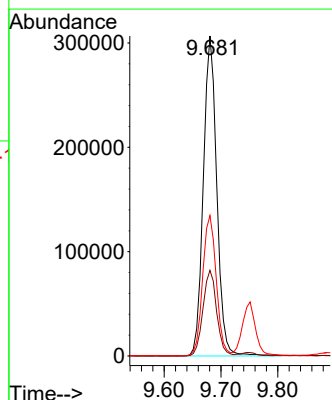
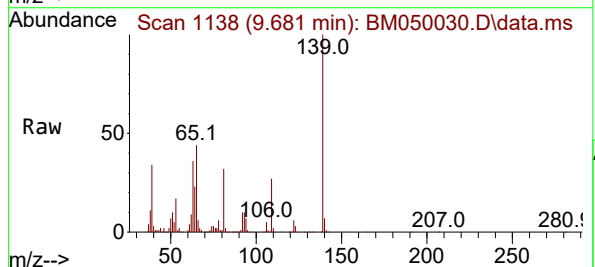
Instrument :
BNA_M
ClientSampleId :
SSTDICC060

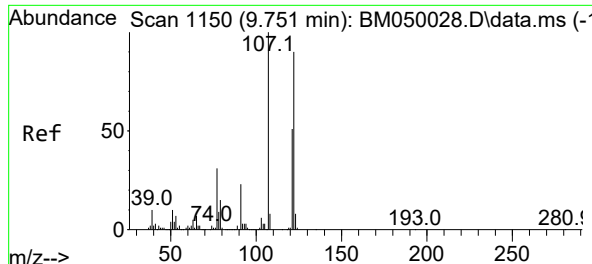
Tgt Ion: 82 Resp: 1845274
Ion Ratio Lower Upper
82 100
95 6.7 5.7 8.5
138 19.2 15.5 23.3



#26
2-Nitrophenol
Concen: 64.395 ng
RT: 9.681 min Scan# 1138
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion: 139 Resp: 504441
Ion Ratio Lower Upper
139 100
109 26.8 21.9 32.9
65 43.9 35.4 53.2

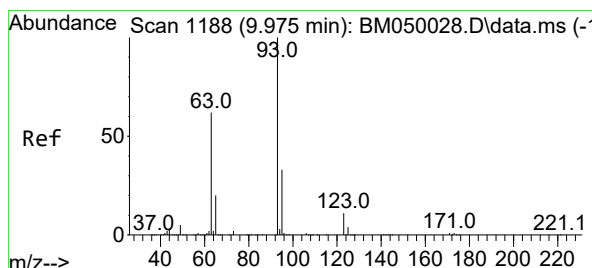
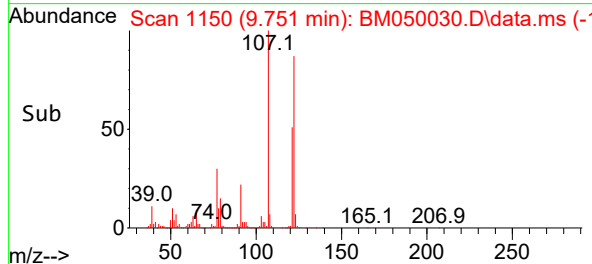
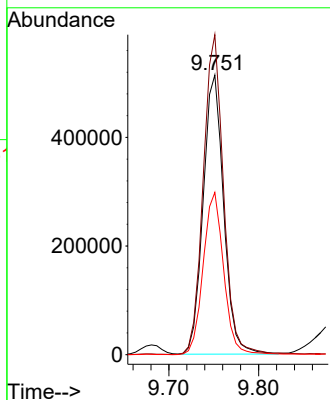
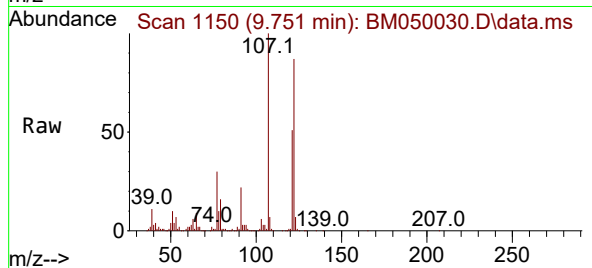




#27
2,4-Dimethylphenol
Concen: 62.869 ng
RT: 9.751 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

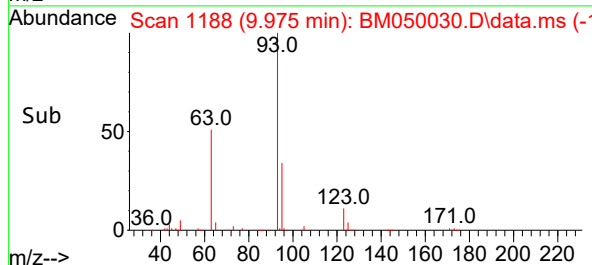
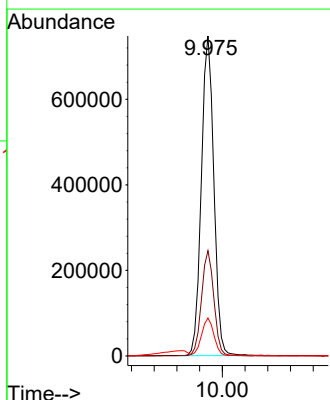
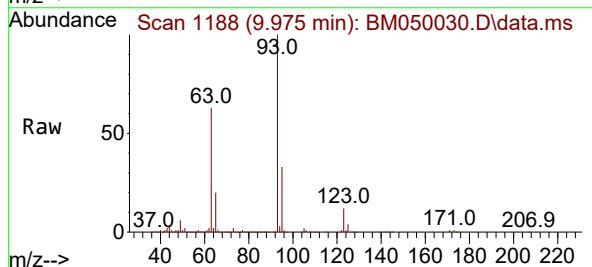
Instrument :
BNA_M
ClientSampleId :
SSTDICC060

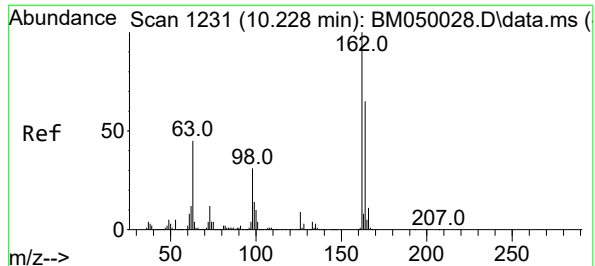
Tgt Ion:122 Resp: 816717
Ion Ratio Lower Upper
122 100
107 114.4 89.0 133.6
121 58.0 45.6 68.4



#28
bis(2-Chloroethoxy)methane
Concen: 60.958 ng
RT: 9.975 min Scan# 1188
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion: 93 Resp: 1138921
Ion Ratio Lower Upper
93 100
95 32.9 26.1 39.1
123 11.8 9.5 14.3





#29

2,4-Dichlorophenol

Concen: 63.266 ng

RT: 10.228 min Scan# 1231

Delta R.T. 0.000 min

Lab File: BM050030.D

Acq: 28 Apr 2025 16:24

Instrument :

BNA_M

ClientSampleId :

SSTDICC060

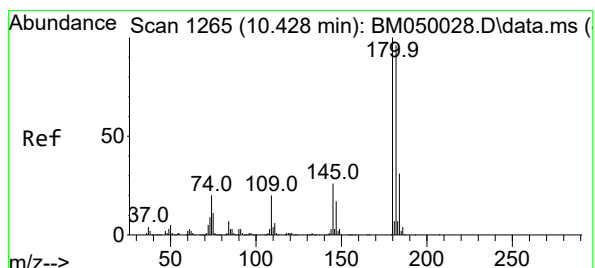
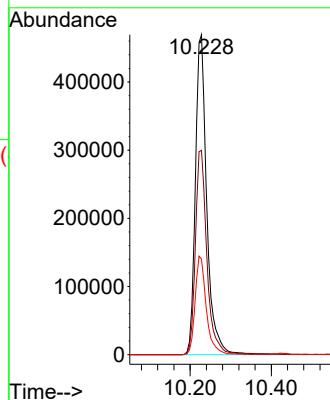
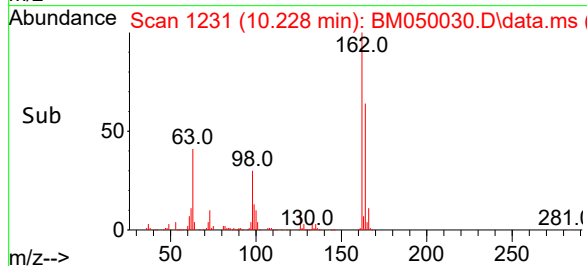
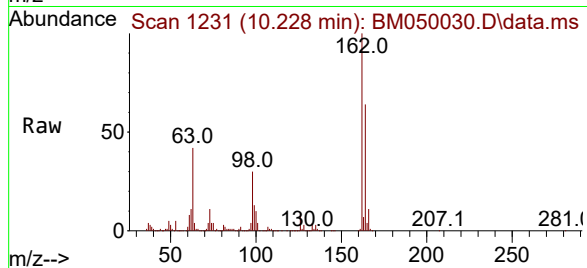
Tgt Ion:162 Resp: 920741

Ion Ratio Lower Upper

162 100

164 63.9 45.4 85.4

98 29.8 11.3 51.3



#30

1,2,4-Trichlorobenzene

Concen: 60.907 ng

RT: 10.428 min Scan# 1265

Delta R.T. 0.000 min

Lab File: BM050030.D

Acq: 28 Apr 2025 16:24

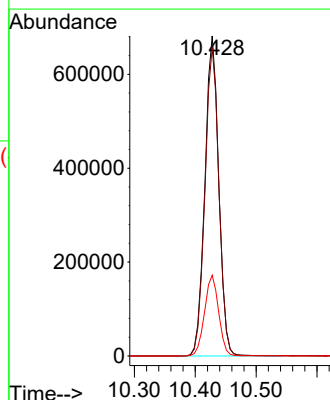
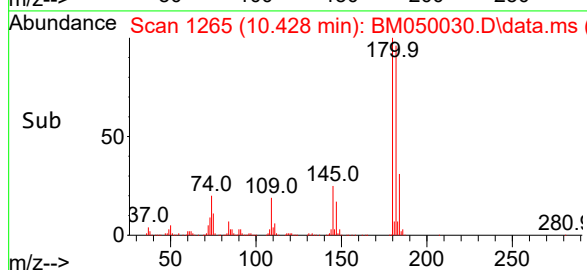
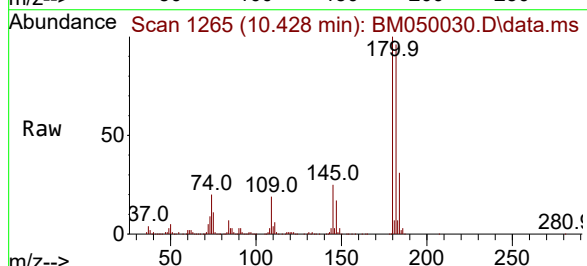
Tgt Ion:180 Resp: 1079970

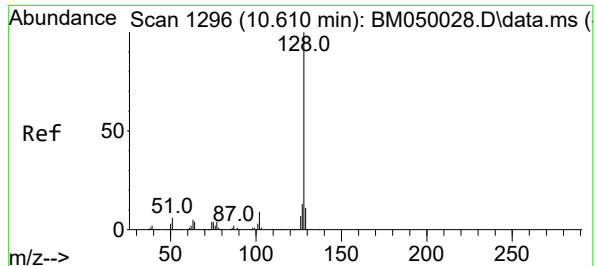
Ion Ratio Lower Upper

180 100

182 96.5 77.0 115.4

145 25.2 20.6 30.8





#31

Naphthalene

Concen: 60.626 ng

RT: 10.610 min Scan# 1180

Delta R.T. 0.000 min

Lab File: BM050030.D

Acq: 28 Apr 2025 16:24

Instrument :

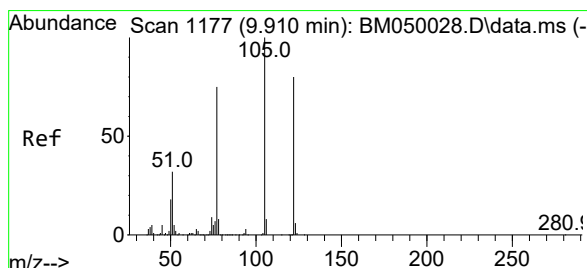
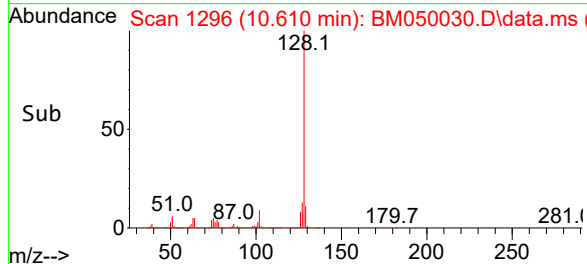
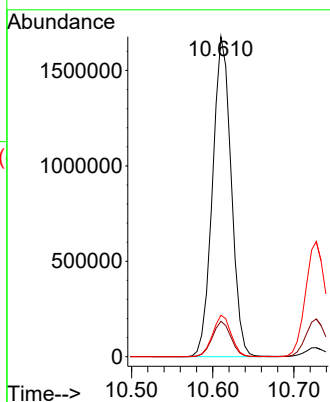
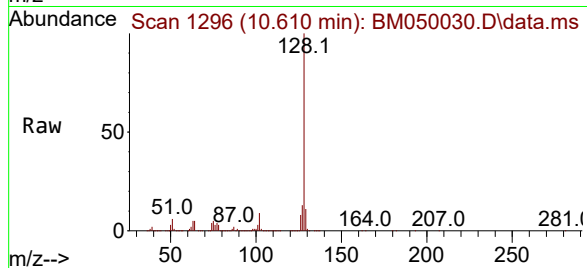
BNA_M

ClientSampleId :

SSTDICC060

Tgt Ion:128 Resp: 2682942

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	13.0	10.4	15.6



#32

Benzoic acid

Concen: 67.178 ng

RT: 9.928 min Scan# 1180

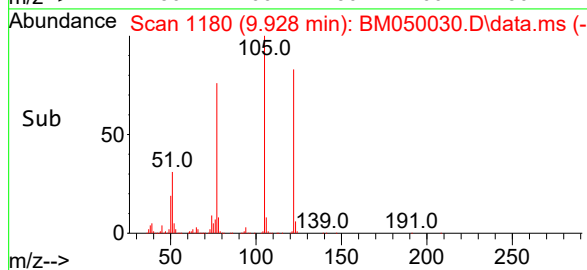
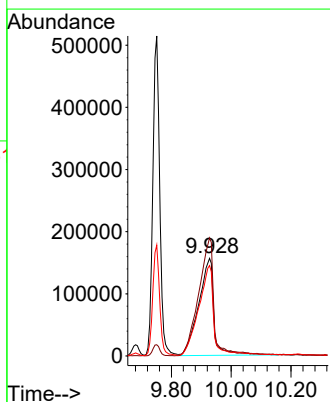
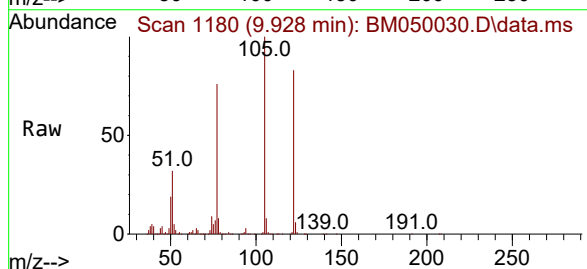
Delta R.T. 0.018 min

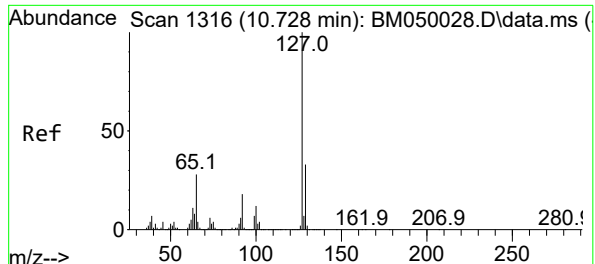
Lab File: BM050030.D

Acq: 28 Apr 2025 16:24

Tgt Ion:122 Resp: 556598

Ion	Ratio	Lower	Upper
122	100		
105	120.9	103.6	143.6
77	92.5	73.7	113.7

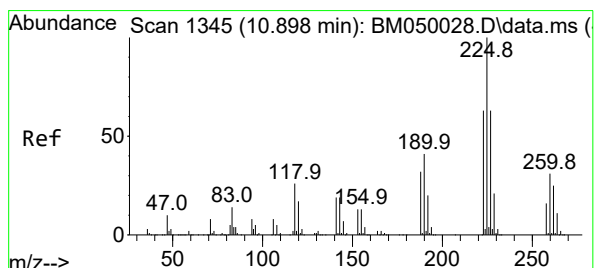
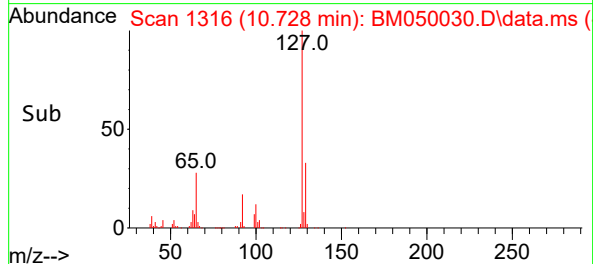
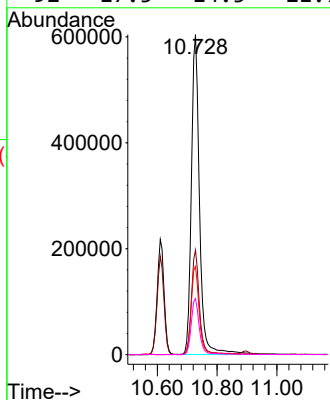
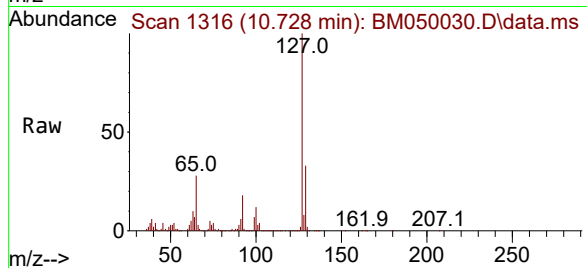




#33
4-Chloroaniline
Concen: 63.184 ng
RT: 10.728 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

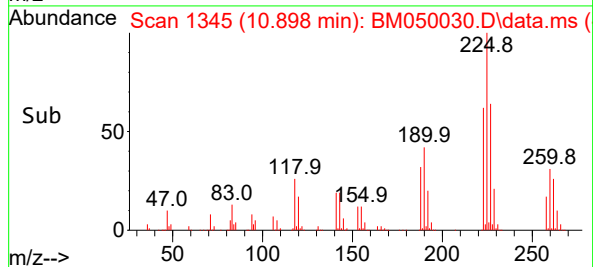
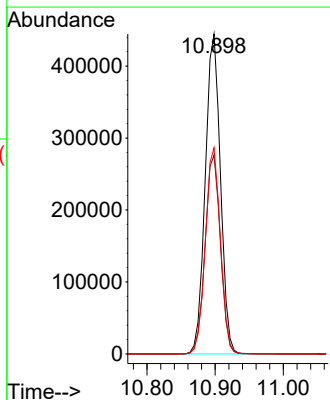
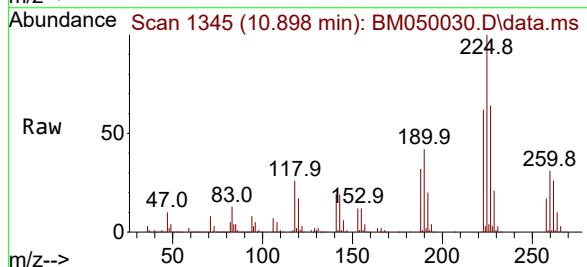
Instrument :
BNA_M
ClientSampleId :
SSTDICC060

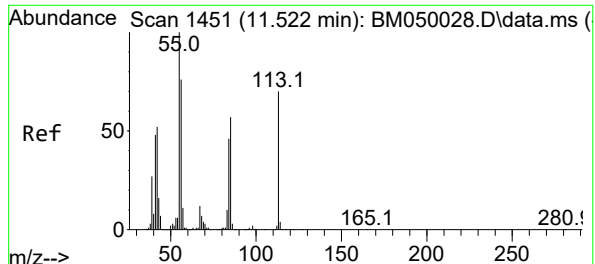
Tgt Ion:127 Resp: 1146085
Ion Ratio Lower Upper
127 100
129 32.7 26.3 39.5
65 27.6 22.5 33.7
92 17.5 14.5 21.7



#34
Hexachlorobutadiene
Concen: 61.230 ng
RT: 10.898 min Scan# 1345
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:225 Resp: 689159
Ion Ratio Lower Upper
225 100
223 62.1 50.2 75.2
227 64.5 50.6 76.0

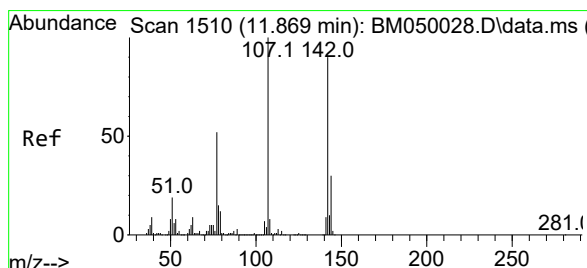
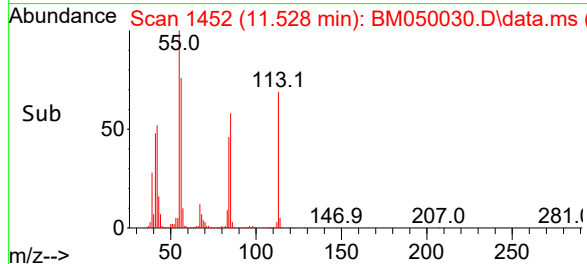
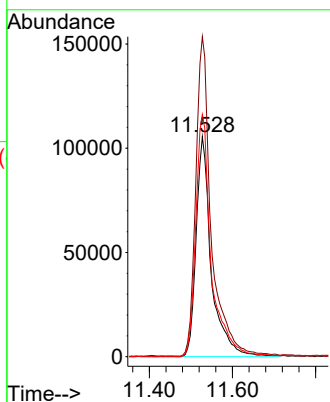
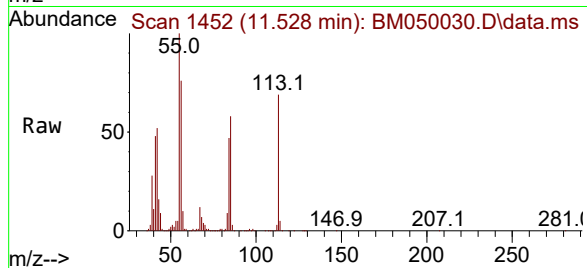




#35
Caprolactam
Concen: 62.845 ng
RT: 11.528 min Scan# 1451
Delta R.T. 0.006 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

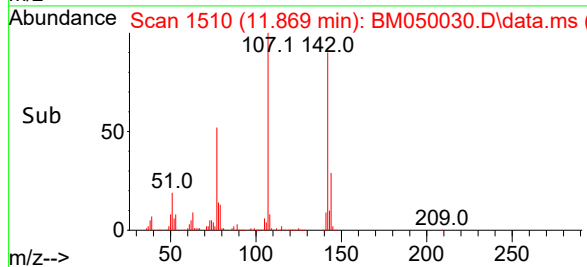
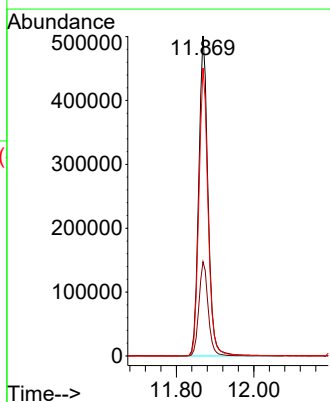
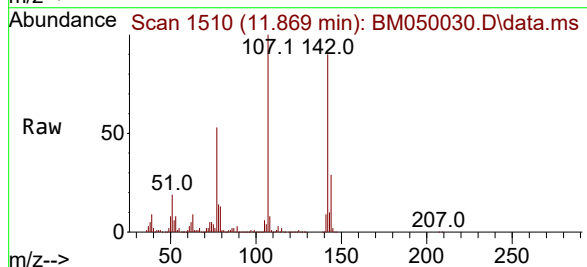
Instrument :
BNA_M
ClientSampleId :
SSTDICC060

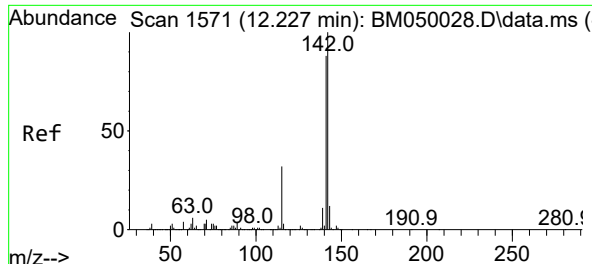
Tgt Ion:113 Resp: 266678
Ion Ratio Lower Upper
113 100
55 145.4 122.9 162.9
56 110.1 88.1 128.1



#36
4-Chloro-3-methylphenol
Concen: 61.882 ng
RT: 11.869 min Scan# 1510
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:107 Resp: 832050
Ion Ratio Lower Upper
107 100
144 29.4 23.8 35.6
142 89.9 71.9 107.9

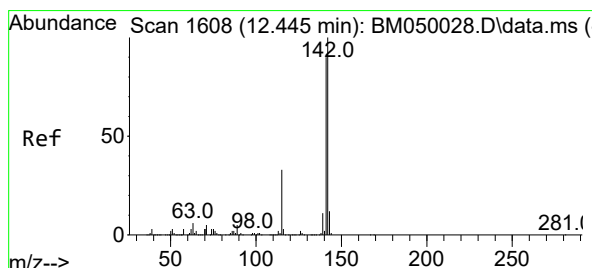
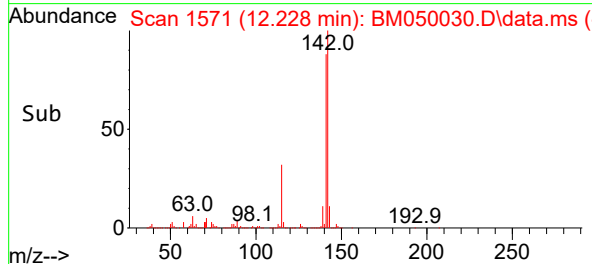
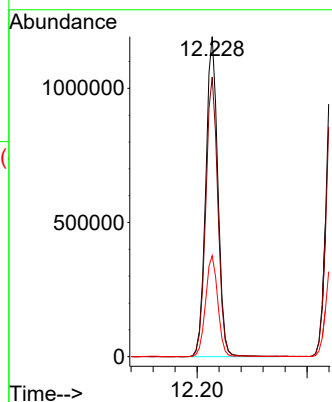
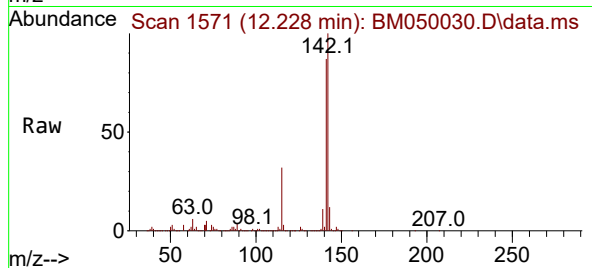




#37
2-Methylnaphthalene
Concen: 61.185 ng
RT: 12.228 min Scan# 1571
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

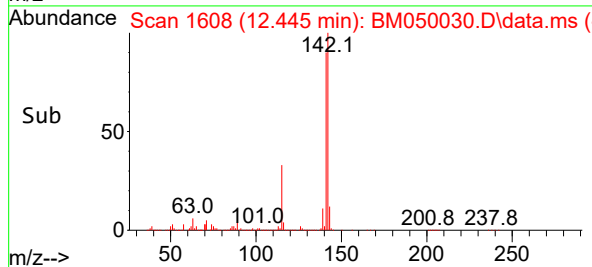
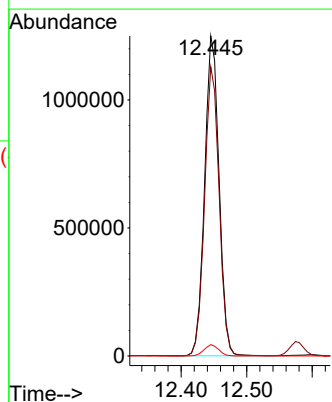
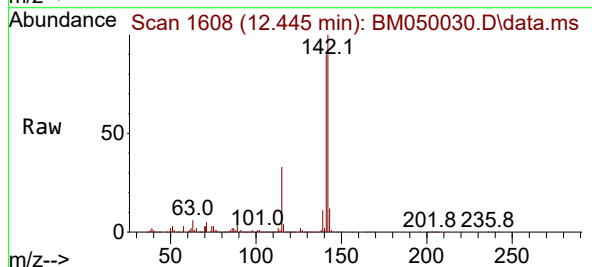
Instrument :
BNA_M
ClientSampleId :
SSTDICC060

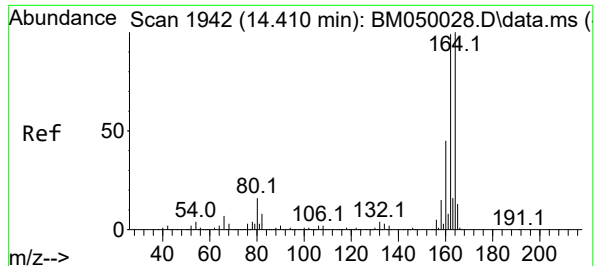
Tgt Ion:142 Resp: 1815345
Ion Ratio Lower Upper
142 100
141 87.4 70.4 105.6
115 31.5 25.4 38.2



#38
1-Methylnaphthalene
Concen: 61.021 ng
RT: 12.445 min Scan# 1608
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:142 Resp: 1916000
Ion Ratio Lower Upper
142 100
141 90.4 72.1 108.1
116 3.5 2.7 4.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.410 min Scan# 1942

Delta R.T. -0.000 min

Lab File: BM050030.D

Acq: 28 Apr 2025 16:24

Instrument :

BNA_M

ClientSampleId :

SSTDICC060

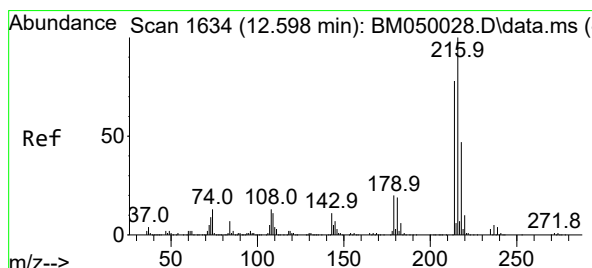
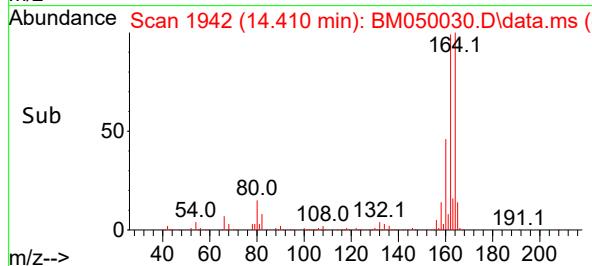
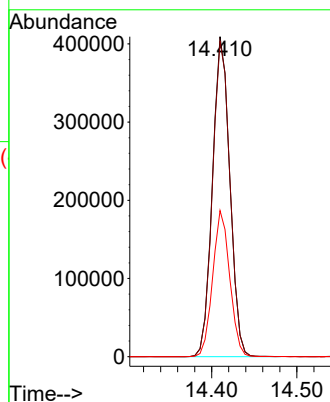
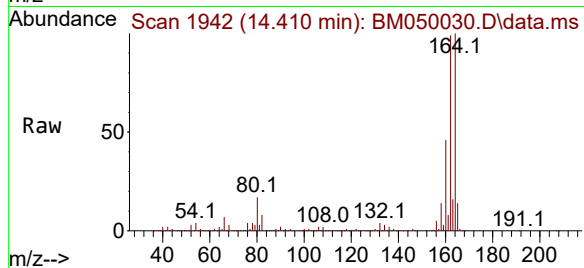
Tgt Ion:164 Resp: 580977

Ion Ratio Lower Upper

164 100

162 98.6 79.4 119.0

160 45.7 36.2 54.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 62.853 ng

RT: 12.598 min Scan# 1634

Delta R.T. 0.000 min

Lab File: BM050030.D

Acq: 28 Apr 2025 16:24

Tgt Ion:216 Resp: 1264090

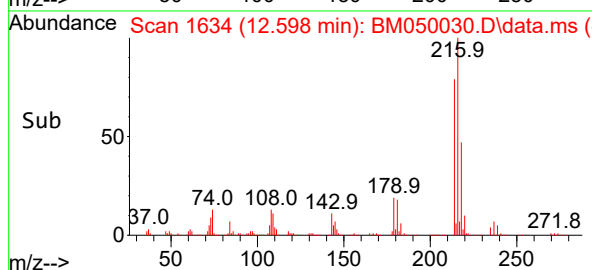
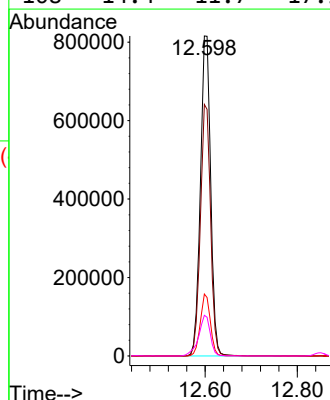
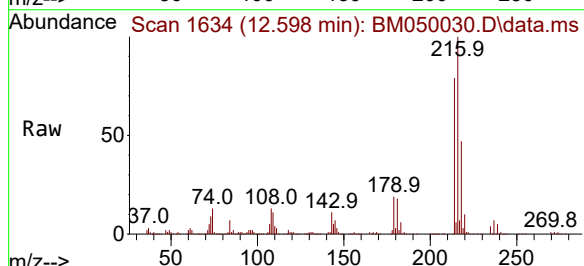
Ion Ratio Lower Upper

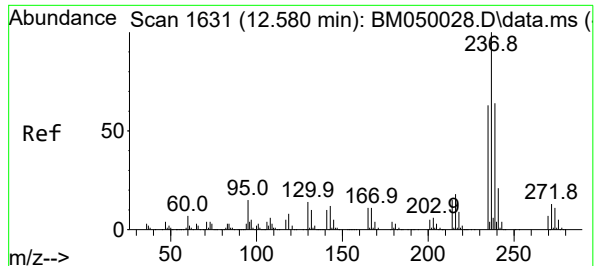
216 100

214 78.2 62.3 93.5

179 18.9 15.4 23.0

108 14.4 11.7 17.5

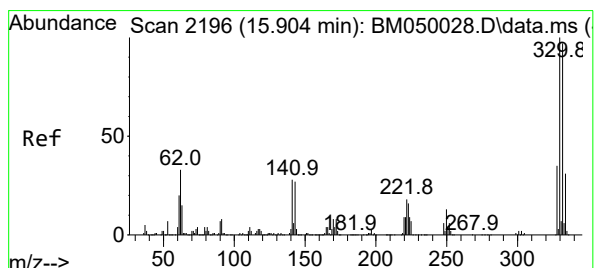
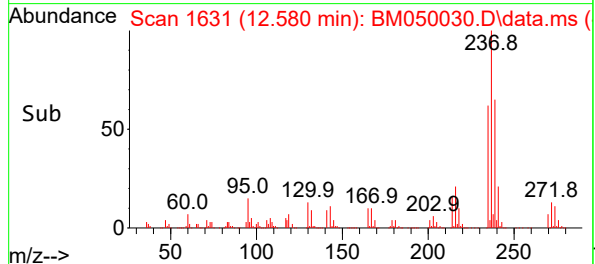
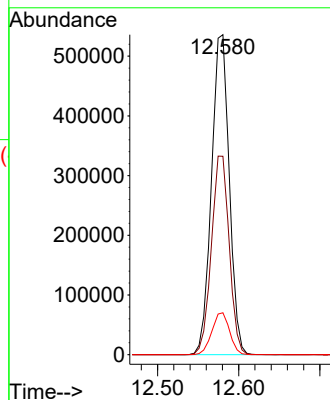
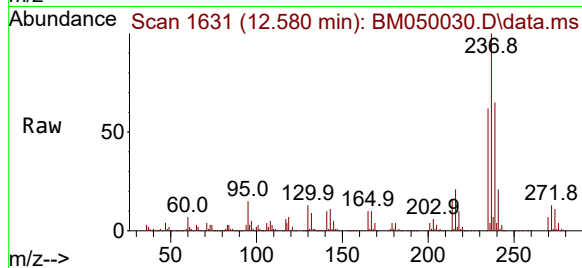




#41
Hexachlorocyclopentadiene
Concen: 66.248 ng
RT: 12.580 min Scan# 1631
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

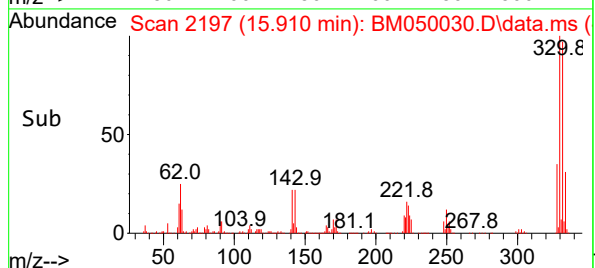
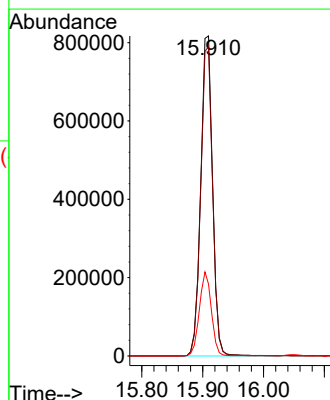
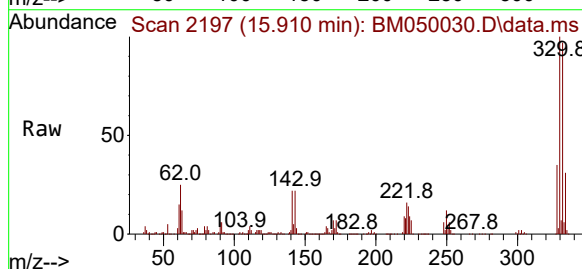
Instrument :
BNA_M
ClientSampleId :
SSTDICC060

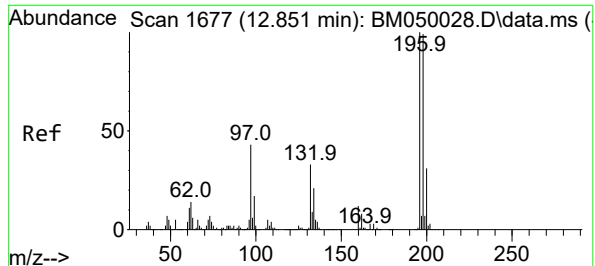
Tgt Ion:237 Resp: 814238
Ion Ratio Lower Upper
237 100
235 62.0 42.9 82.9
272 13.1 0.0 32.9



#42
2,4,6-Tribromophenol
Concen: 128.968 ng
RT: 15.910 min Scan# 2197
Delta R.T. 0.006 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:330 Resp: 1107899
Ion Ratio Lower Upper
330 100
332 96.8 77.3 115.9
141 26.6 22.5 33.7





#43

2,4,6-Trichlorophenol

Concen: 63.832 ng

RT: 12.851 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM050030.D

Acq: 28 Apr 2025 16:24

Instrument :

BNA_M

ClientSampleId :

SSTDICC060

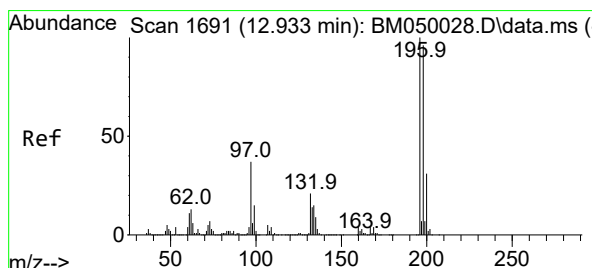
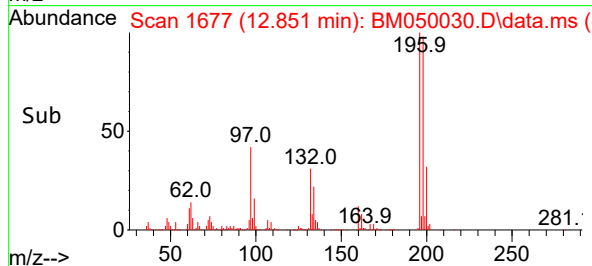
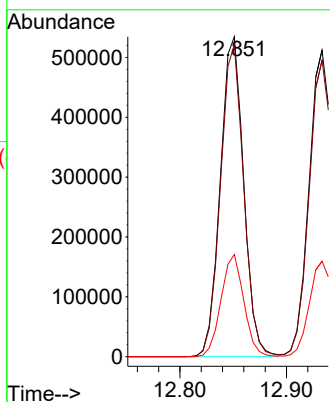
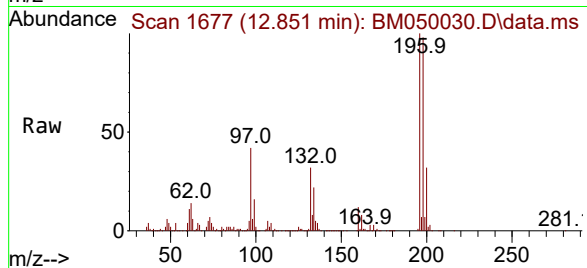
Tgt Ion:196 Resp: 814256

Ion Ratio Lower Upper

196 100

198 97.5 79.0 118.6

200 31.9 25.1 37.7



#44

2,4,5-Trichlorophenol

Concen: 63.459 ng

RT: 12.933 min Scan# 1691

Delta R.T. 0.000 min

Lab File: BM050030.D

Acq: 28 Apr 2025 16:24

Tgt Ion:196 Resp: 872921

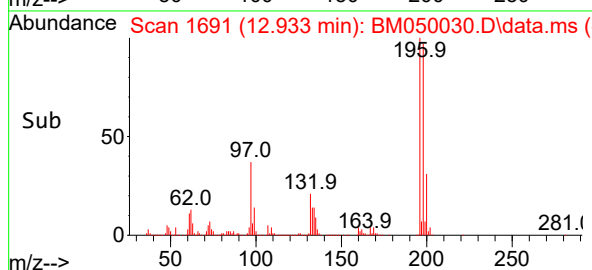
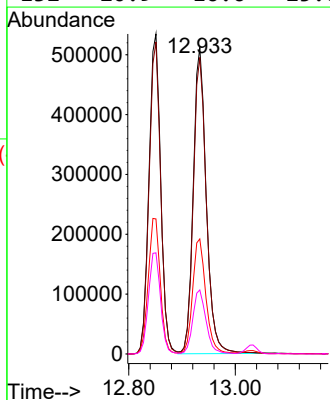
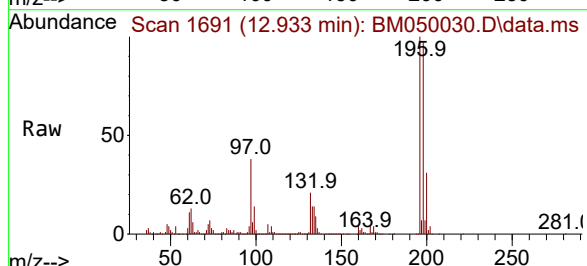
Ion Ratio Lower Upper

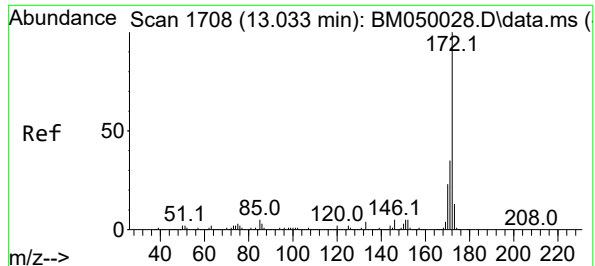
196 100

198 96.7 76.7 115.1

97 37.5 30.1 45.1

132 20.9 16.6 25.0





#45

2-Fluorobiphenyl

Concen: 123.782 ng

RT: 13.033 min Scan# 1708

Delta R.T. 0.000 min

Lab File: BM050030.D

Acq: 28 Apr 2025 16:24

Instrument :

BNA_M

ClientSampleId :

SSTDICC060

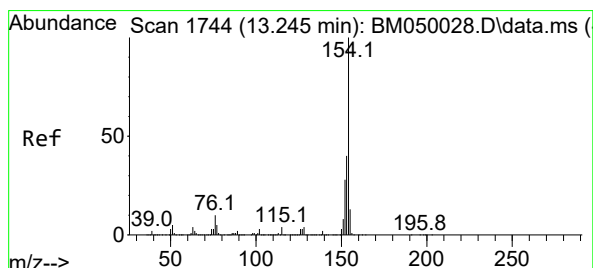
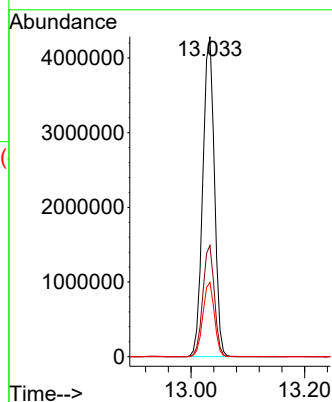
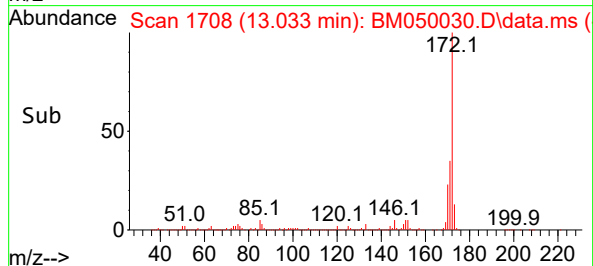
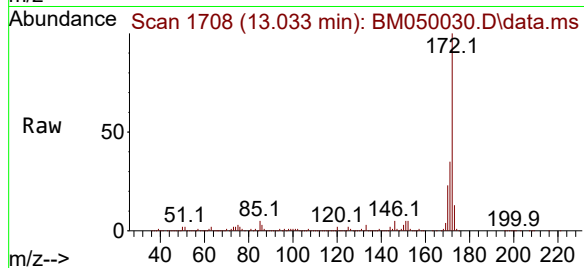
Tgt Ion:172 Resp: 6079094

Ion Ratio Lower Upper

172 100

171 34.8 27.8 41.6

170 23.2 18.6 28.0



#46

1,1'-Biphenyl

Concen: 60.817 ng

RT: 13.245 min Scan# 1744

Delta R.T. 0.000 min

Lab File: BM050030.D

Acq: 28 Apr 2025 16:24

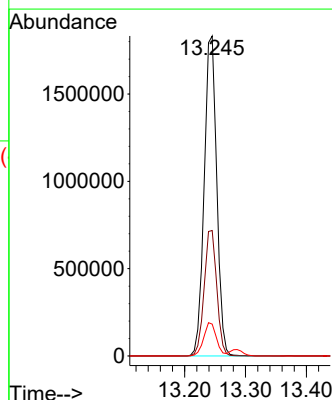
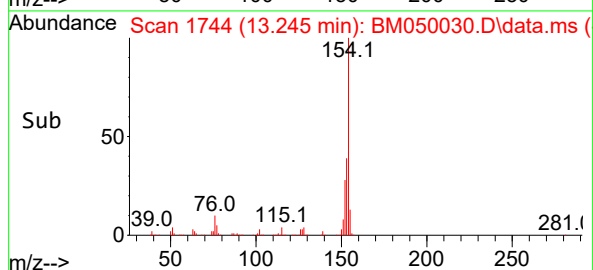
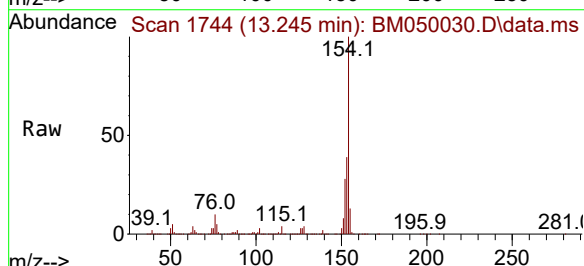
Tgt Ion:154 Resp: 2626494

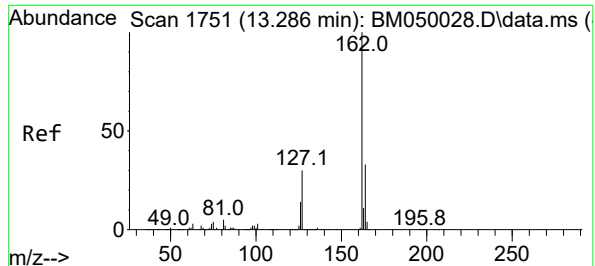
Ion Ratio Lower Upper

154 100

153 39.2 20.0 60.0

76 9.9 0.0 30.3





#47

2-Chloronaphthalene

Concen: 60.760 ng

RT: 13.286 min Scan# 1751

Delta R.T. 0.000 min

Lab File: BM050030.D

Acq: 28 Apr 2025 16:24

Instrument :

BNA_M

ClientSampleId :

SSTDICC060

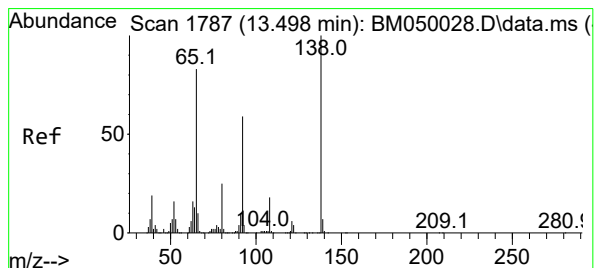
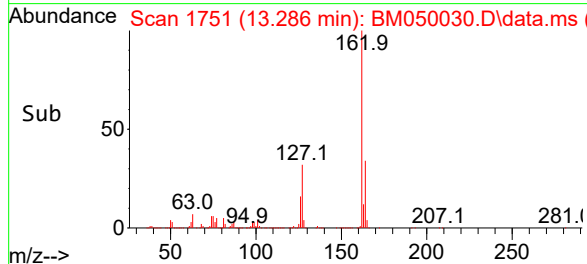
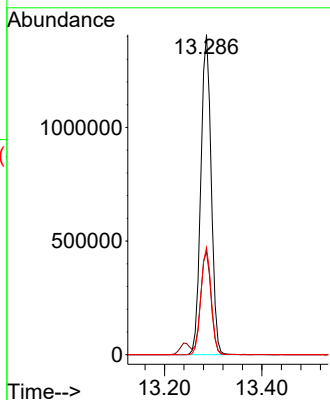
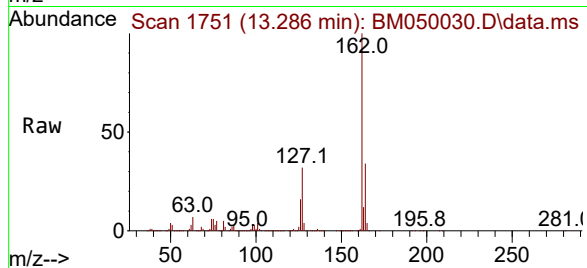
Tgt Ion:162 Resp: 2078242

Ion Ratio Lower Upper

162 100

127 32.1 25.9 38.9

164 33.5 26.6 40.0



#48

2-Nitroaniline

Concen: 63.847 ng

RT: 13.498 min Scan# 1787

Delta R.T. 0.000 min

Lab File: BM050030.D

Acq: 28 Apr 2025 16:24

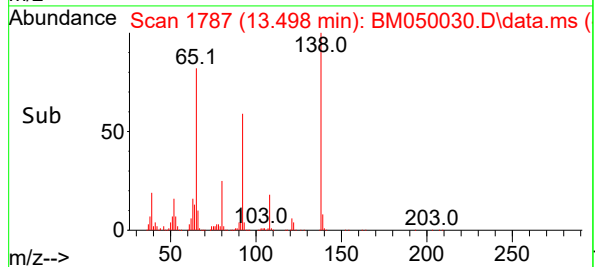
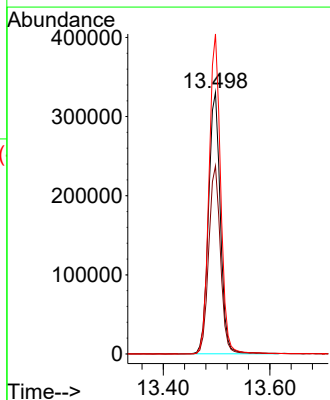
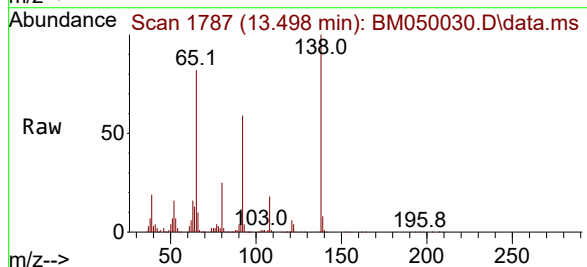
Tgt Ion: 65 Resp: 512544

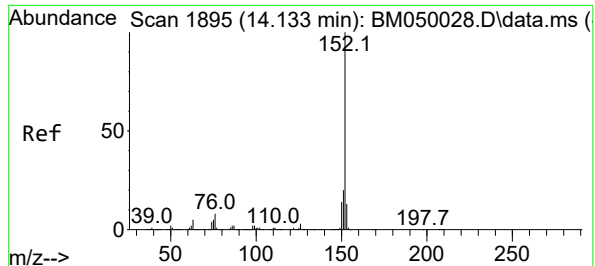
Ion Ratio Lower Upper

65 100

92 71.9 57.1 85.7

138 122.3 97.0 145.4

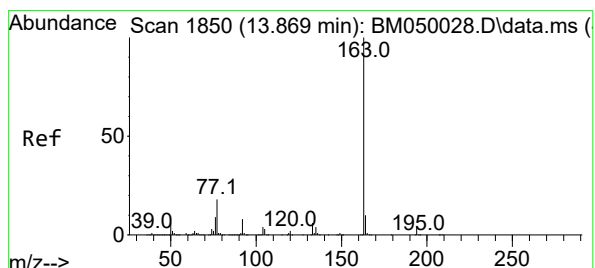
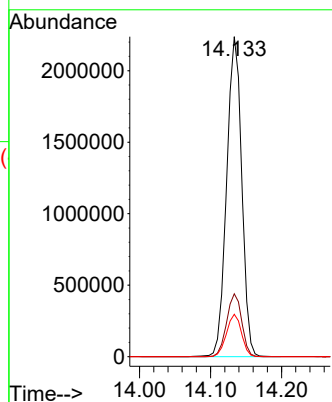
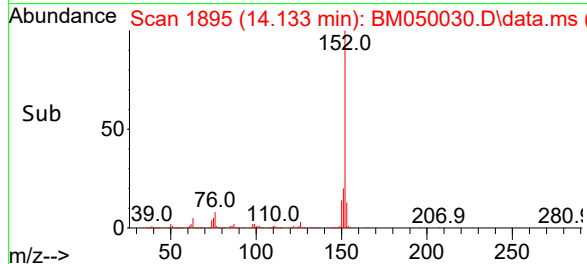
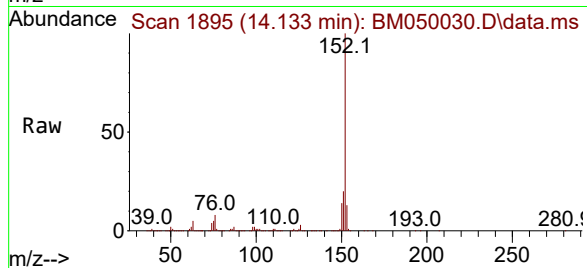




#49
Acenaphthylene
Concen: 61.060 ng
RT: 14.133 min Scan# 1895
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

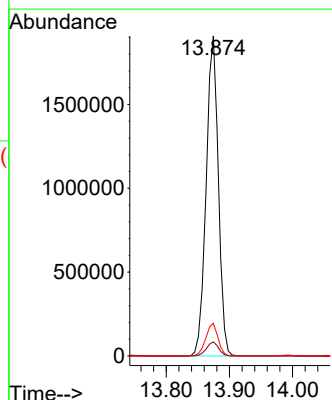
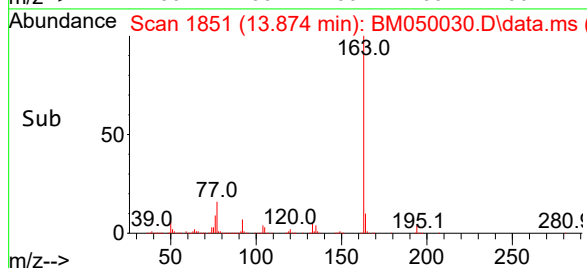
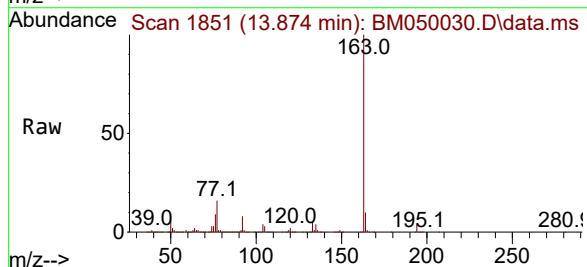
Instrument :
BNA_M
ClientSampleId :
SSTDICC060

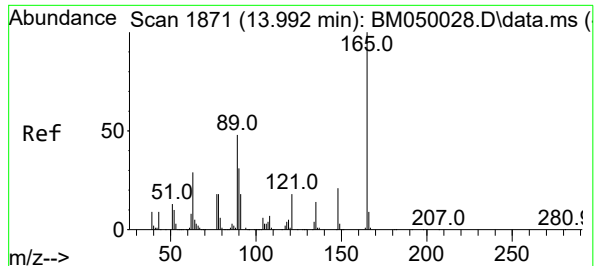
Tgt Ion:152 Resp: 3292902
Ion Ratio Lower Upper
152 100
151 19.6 15.8 23.8
153 13.2 10.6 15.8



#50
Dimethylphthalate
Concen: 60.347 ng
RT: 13.874 min Scan# 1851
Delta R.T. 0.006 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:163 Resp: 2562233
Ion Ratio Lower Upper
163 100
194 4.4 3.4 5.2
164 10.2 8.2 12.2

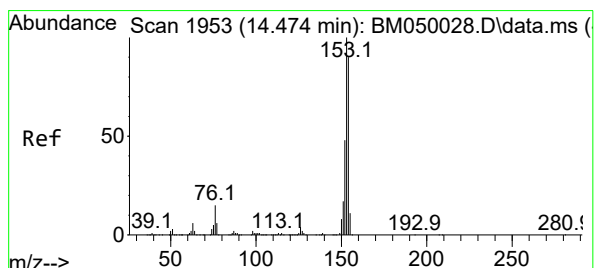
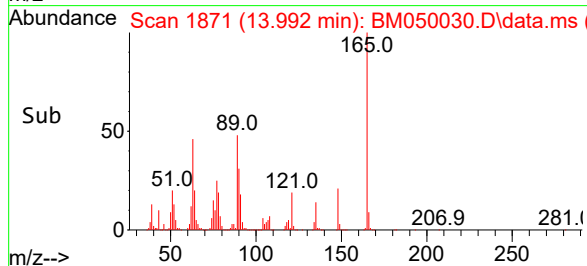
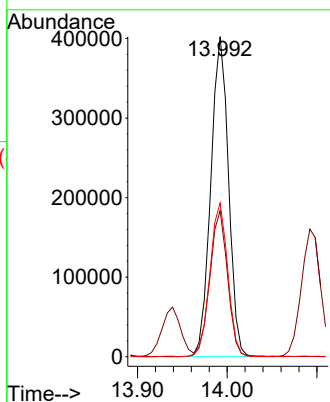
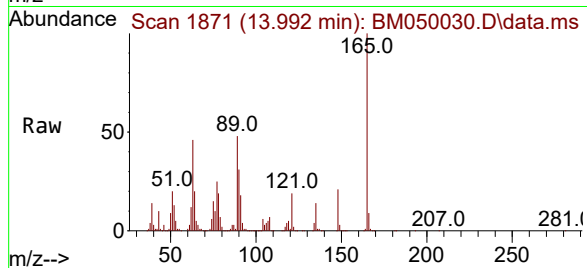




#51
2,6-Dinitrotoluene
Concen: 62.732 ng
RT: 13.992 min Scan# 1871
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

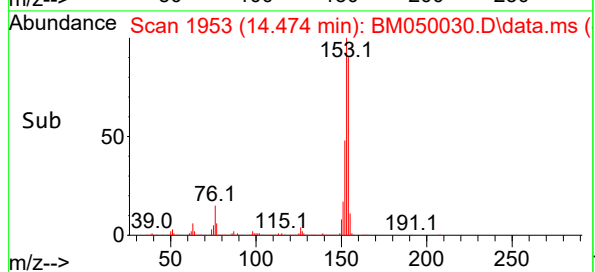
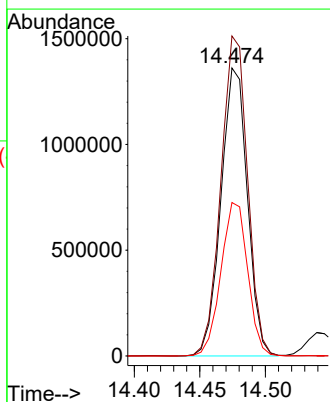
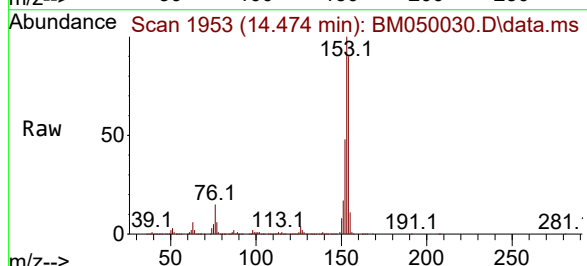
Instrument :
BNA_M
ClientSampleId :
SSTDICC060

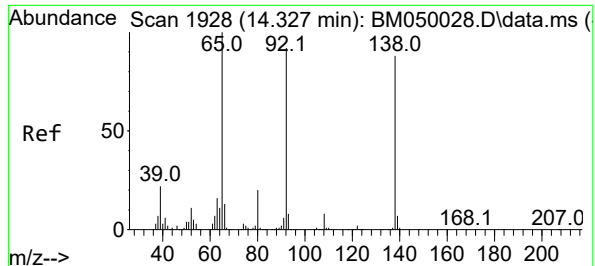
Tgt Ion:165 Resp: 551466
Ion Ratio Lower Upper
165 100
63 45.6 35.1 52.7
89 48.1 38.4 57.6



#52
Acenaphthene
Concen: 61.089 ng
RT: 14.474 min Scan# 1953
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:154 Resp: 1906973
Ion Ratio Lower Upper
154 100
153 111.1 89.0 133.4
152 53.3 43.0 64.6

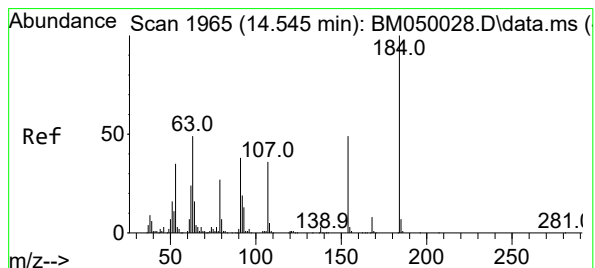
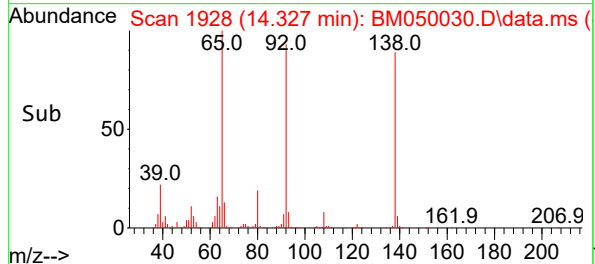
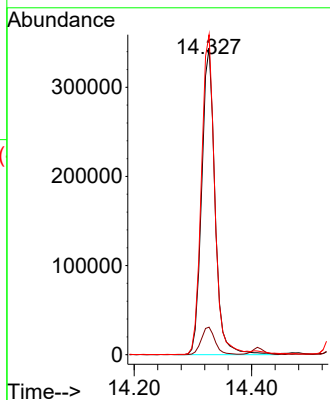
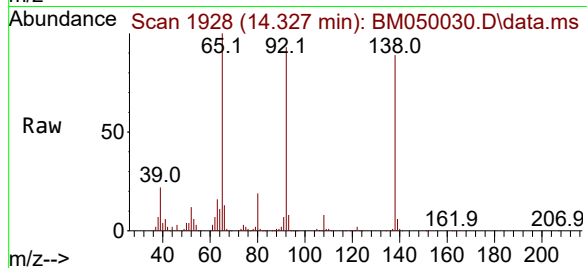




#53
3-Nitroaniline
Concen: 64.574 ng
RT: 14.327 min Scan# 1928
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

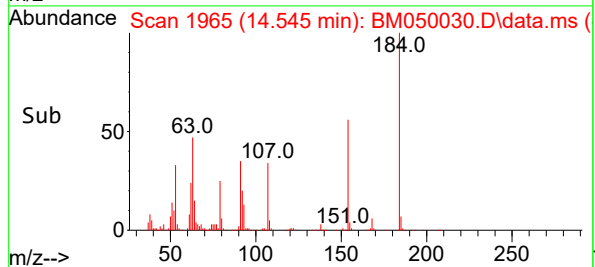
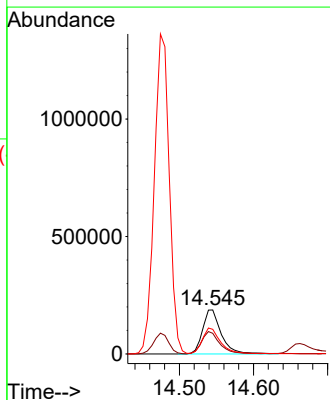
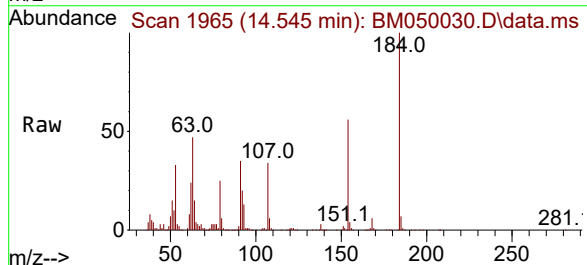
Instrument :
BNA_M
ClientSampleId :
SSTDICC060

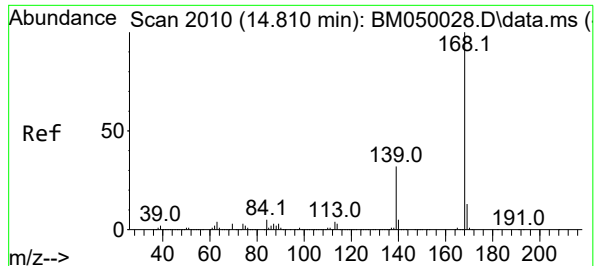
Tgt Ion	Ratio	Lower	Upper
138	100		
108	9.0	7.4	11.2
92	104.3	84.0	126.0



#54
2,4-Dinitrophenol
Concen: 59.847 ng
RT: 14.545 min Scan# 1965
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion	Ratio	Lower	Upper
184	100		
63	46.9	39.8	59.6
154	56.0	46.1	69.1





#55

Dibenzofuran

Concen: 60.738 ng

RT: 14.810 min Scan# 2010

Delta R.T. 0.000 min

Lab File: BM050030.D

Acq: 28 Apr 2025 16:24

Instrument :

BNA_M

ClientSampleId :

SSTDICC060

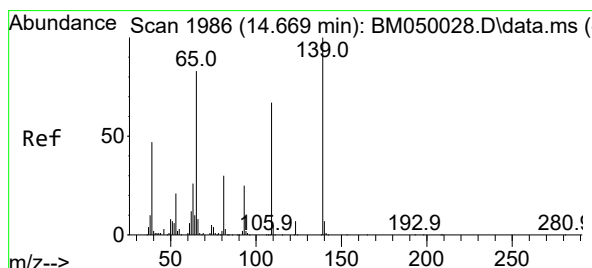
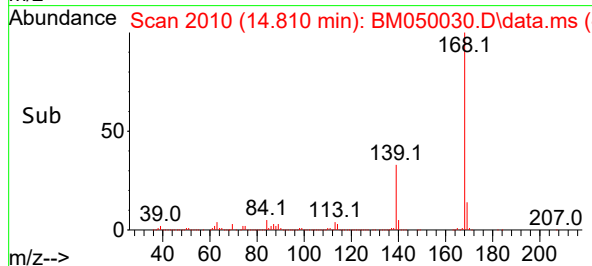
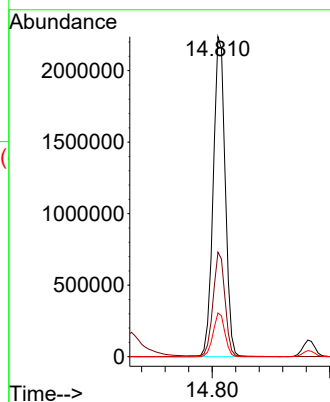
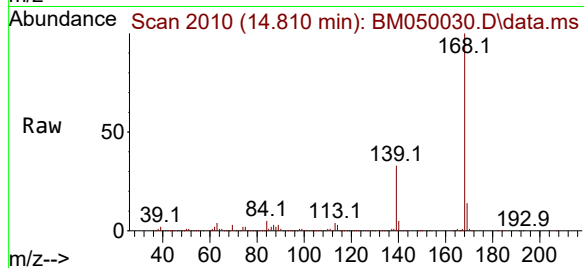
Tgt Ion:168 Resp: 3154566

Ion Ratio Lower Upper

168 100

139 32.6 26.1 39.1

169 13.6 10.8 16.2



#56

4-Nitrophenol

Concen: 60.088 ng

RT: 14.663 min Scan# 1985

Delta R.T. -0.006 min

Lab File: BM050030.D

Acq: 28 Apr 2025 16:24

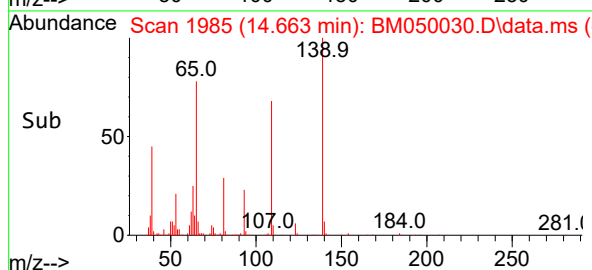
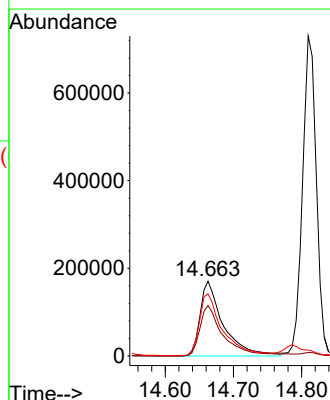
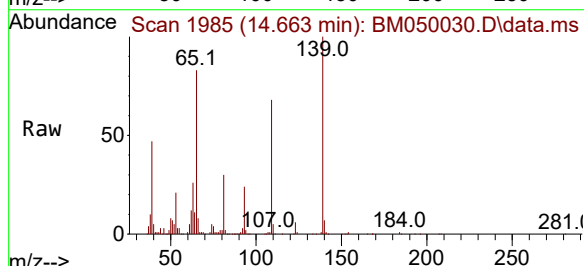
Tgt Ion:139 Resp: 402106

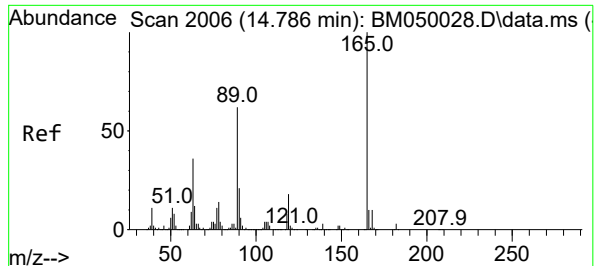
Ion Ratio Lower Upper

139 100

109 67.5 47.0 87.0

65 83.0 64.3 104.3

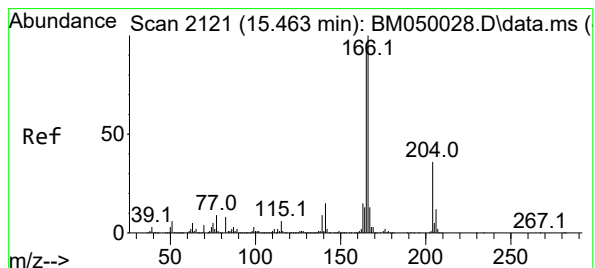
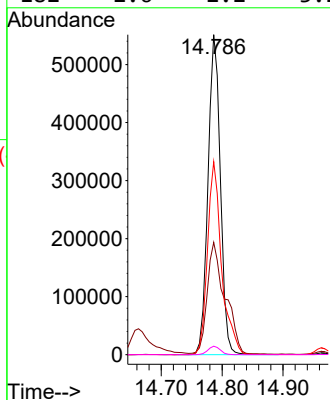
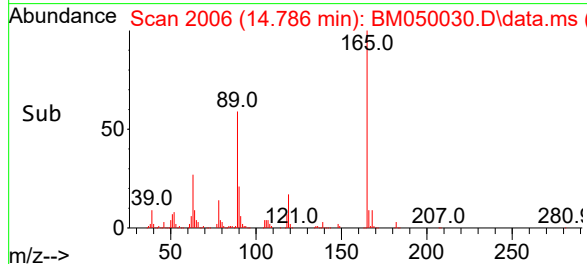
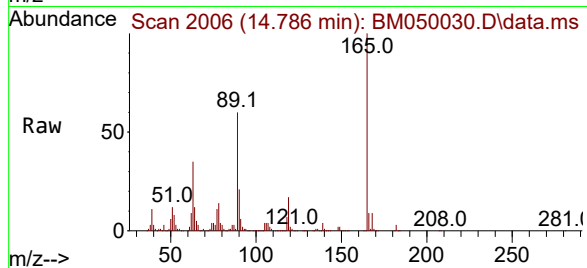




#57
2,4-Dinitrotoluene
Concen: 64.180 ng
RT: 14.786 min Scan# 2006
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

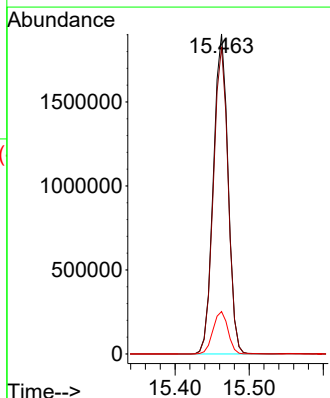
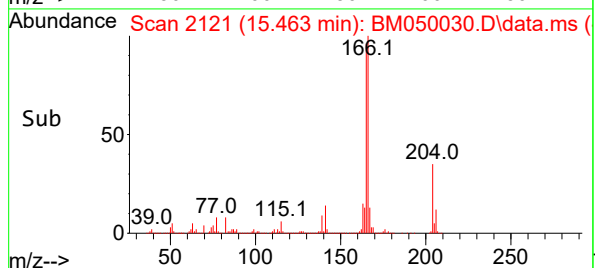
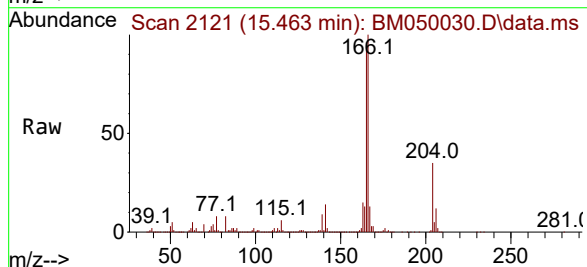
Instrument :
BNA_M
ClientSampleId :
SSTDICC060

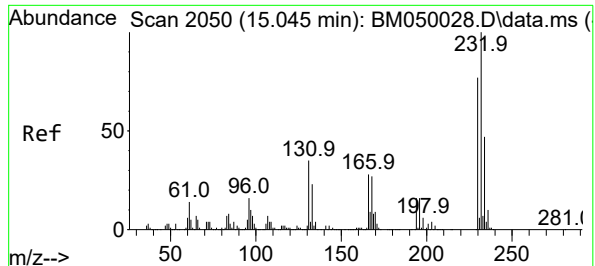
Tgt Ion:165 Resp: 779604
Ion Ratio Lower Upper
165 100
63 35.1 29.0 43.6
89 60.3 49.4 74.2
182 2.6 2.2 3.2



#58
Fluorene
Concen: 61.497 ng
RT: 15.463 min Scan# 2121
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:166 Resp: 2614340
Ion Ratio Lower Upper
166 100
165 96.0 76.6 115.0
167 13.3 10.6 16.0

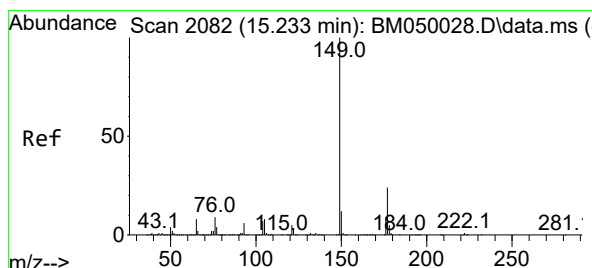
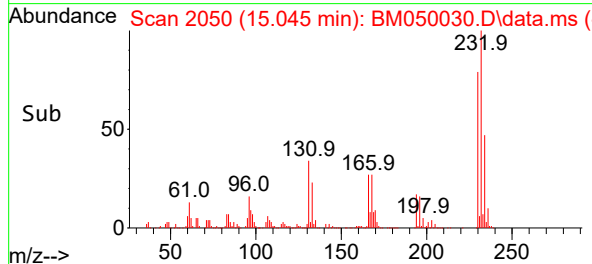
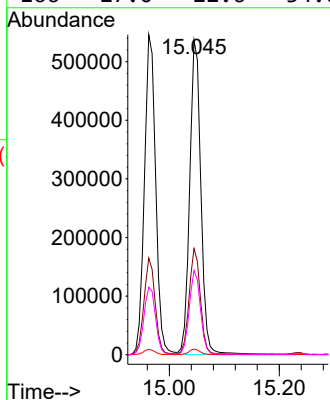
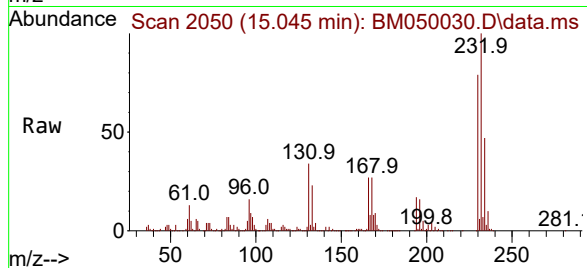




#59
2,3,4,6-Tetrachlorophenol
Concen: 63.213 ng
RT: 15.045 min Scan# 2050
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

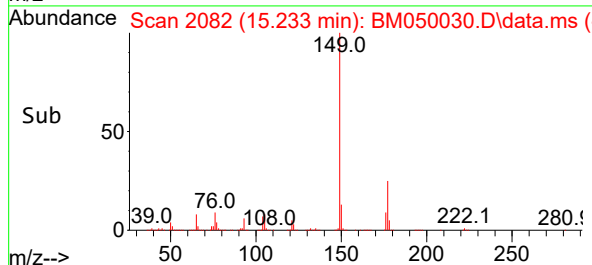
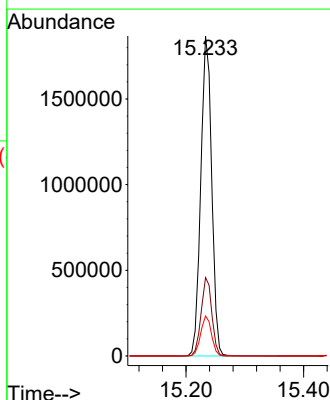
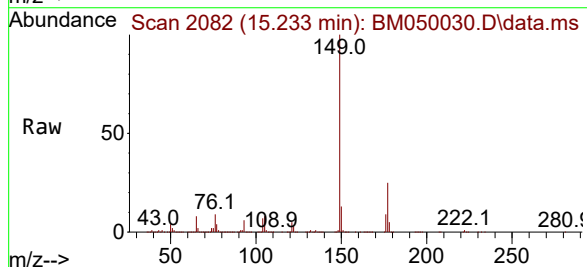
Instrument :
BNA_M
ClientSampleId :
SSTDICC060

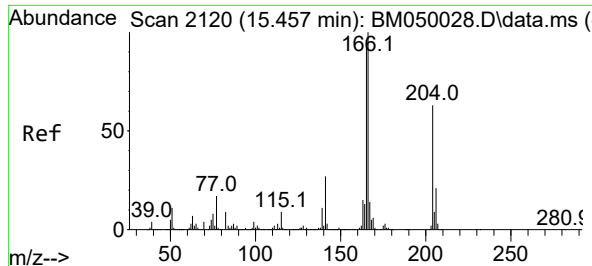
Tgt Ion:232 Resp: 752680
Ion Ratio Lower Upper
232 100
131 34.1 28.2 42.4
130 1.8 1.5 2.3
166 27.0 22.6 34.0



#60
Diethylphthalate
Concen: 59.930 ng
RT: 15.233 min Scan# 2082
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:149 Resp: 2397624
Ion Ratio Lower Upper
149 100
177 24.5 19.1 28.7
150 12.5 9.6 14.4

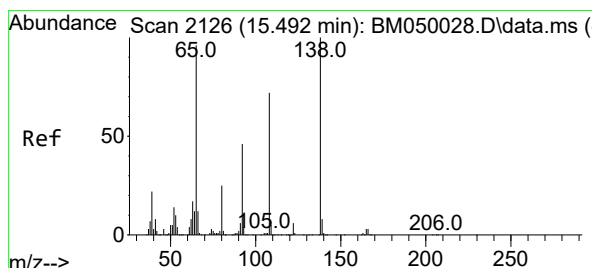
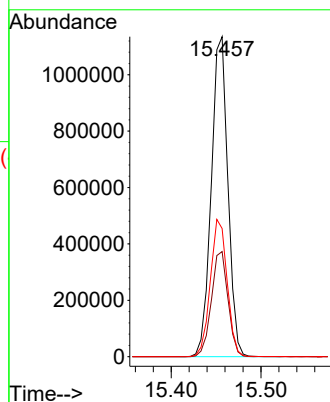
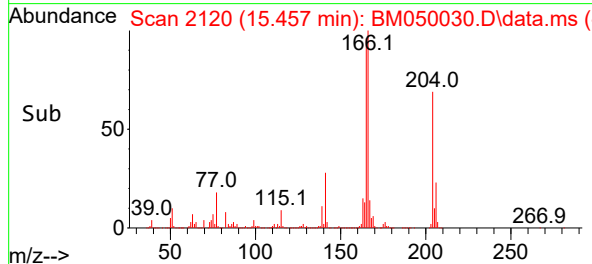
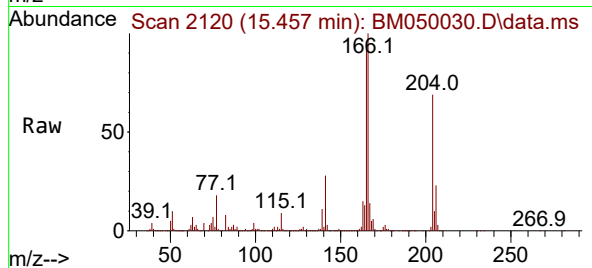




#61
4-Chlorophenyl-phenylether
Concen: 62.403 ng
RT: 15.457 min Scan# 2120
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

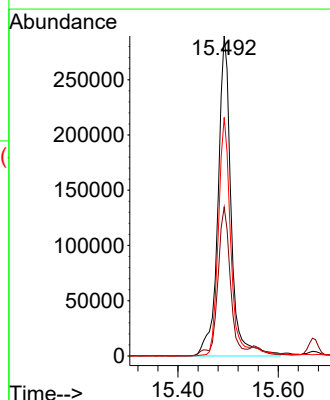
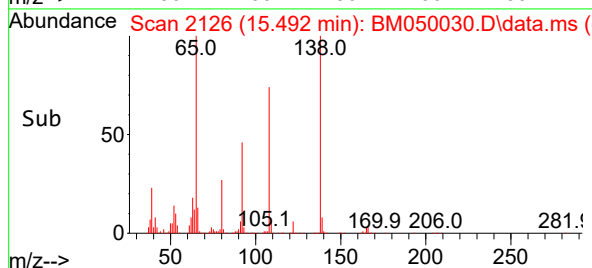
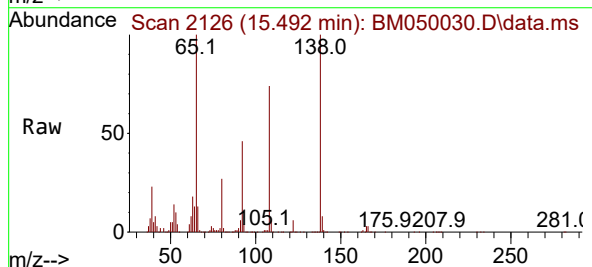
Instrument :
BNA_M
ClientSampleId :
SSTDICC060

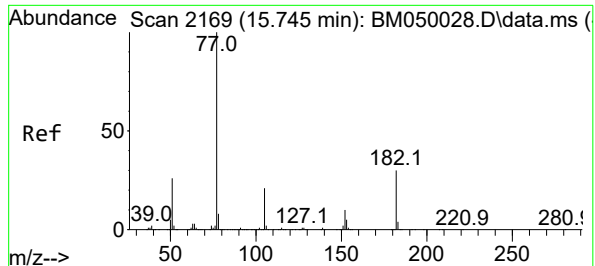
Tgt Ion:204 Resp: 1457099
Ion Ratio Lower Upper
204 100
206 32.8 26.3 39.5
141 40.0 34.0 51.0



#62
4-Nitroaniline
Concen: 64.776 ng
RT: 15.492 min Scan# 2126
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:138 Resp: 524887
Ion Ratio Lower Upper
138 100
92 46.5 25.9 65.9
108 74.6 52.4 92.4

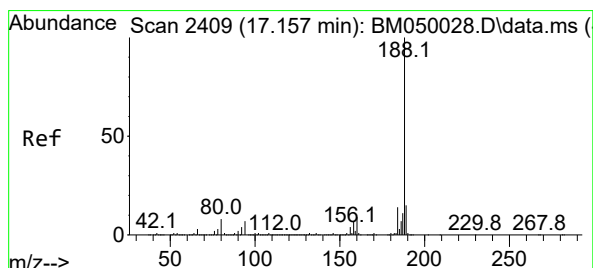
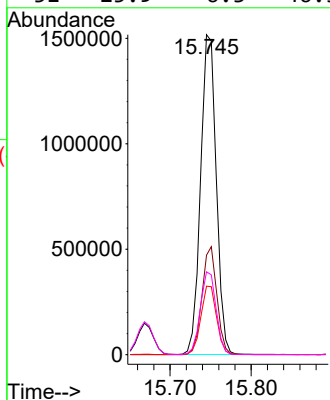
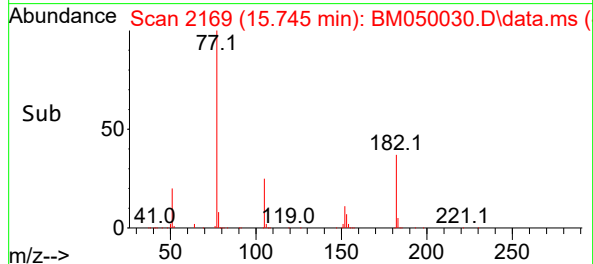
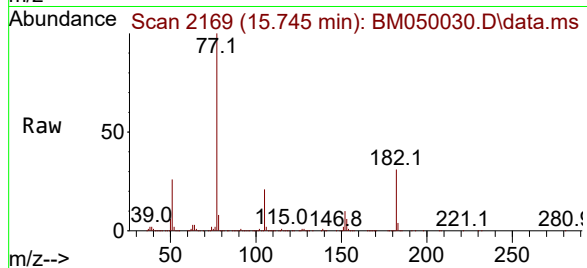




#63
Azobenzene
Concen: 60.550 ng
RT: 15.745 min Scan# 2169
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

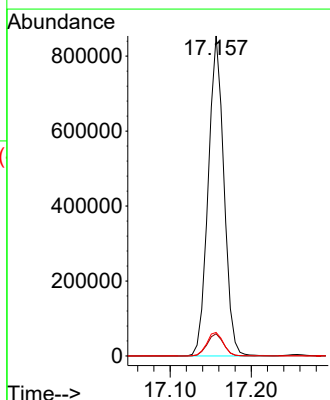
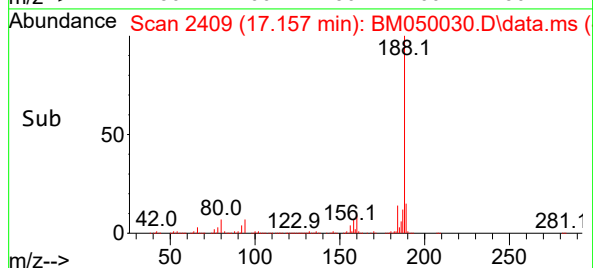
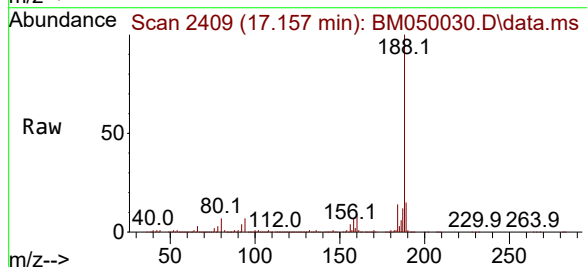
Instrument :
BNA_M
ClientSampleId :
SSTDICC060

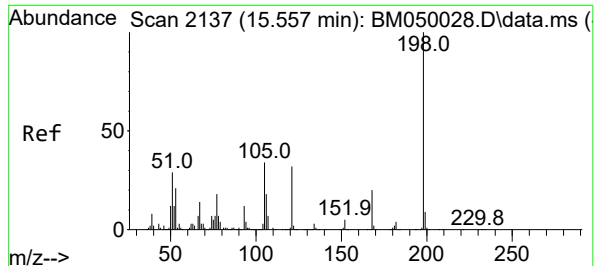
Tgt Ion: 77 Resp: 2030208
Ion Ratio Lower Upper
77 100
182 31.1 10.5 50.5
105 21.4 1.1 41.1
51 25.9 6.3 46.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2409
Delta R.T. -0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion: 188 Resp: 1144389
Ion Ratio Lower Upper
188 100
94 6.9 5.7 8.5
80 7.3 6.2 9.4

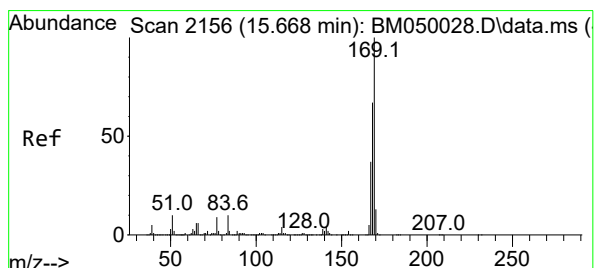
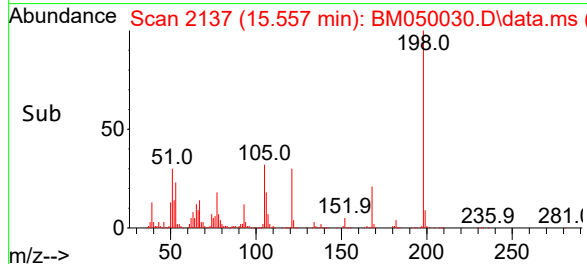
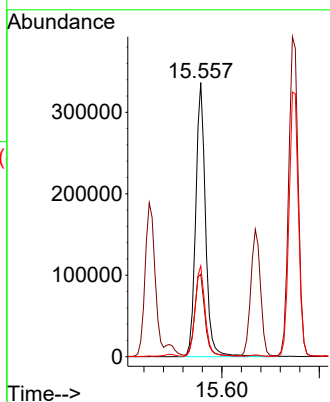
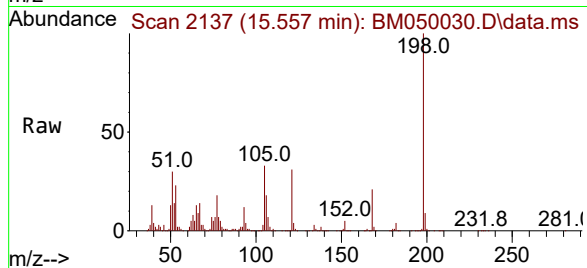




#65
4,6-Dinitro-2-methylphenol
Concen: 66.167 ng
RT: 15.557 min Scan# 2137
Delta R.T. -0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

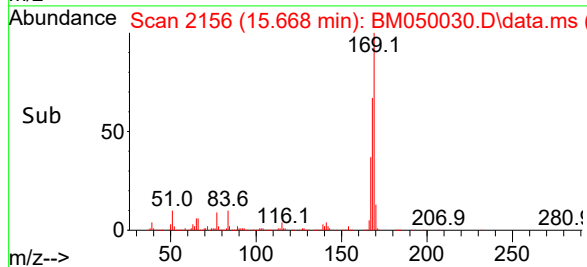
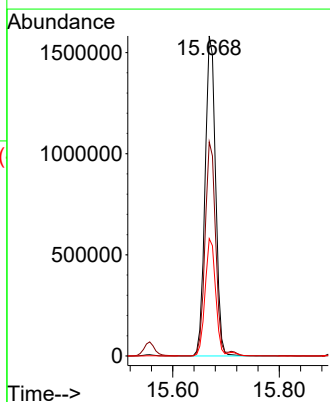
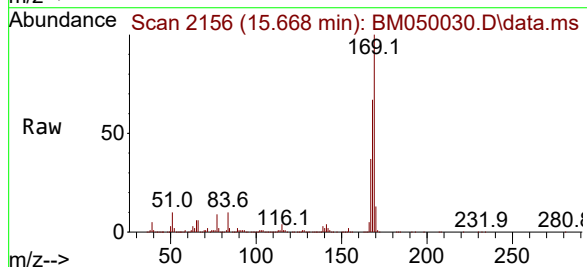
Instrument :
BNA_M
ClientSampleId :
SSTDICC060

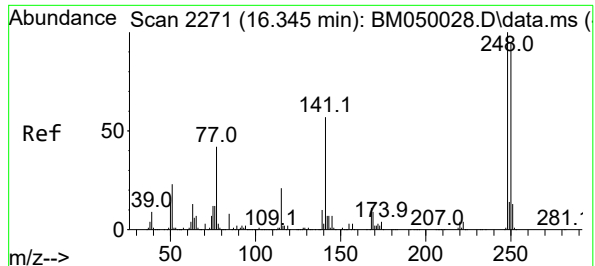
Tgt Ion:198 Resp: 473987
Ion Ratio Lower Upper
198 100
51 30.1 10.4 50.4
105 33.1 14.6 54.6



#66
n-Nitrosodiphenylamine
Concen: 61.422 ng
RT: 15.668 min Scan# 2156
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:169 Resp: 2158446
Ion Ratio Lower Upper
169 100
168 66.9 53.4 80.2
167 36.6 29.4 44.0

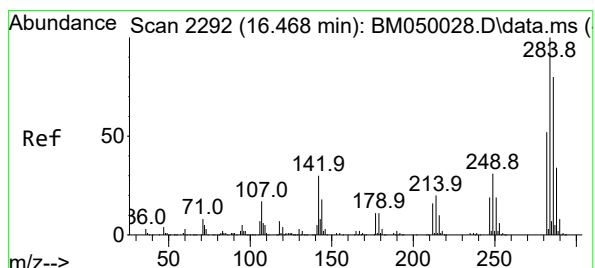
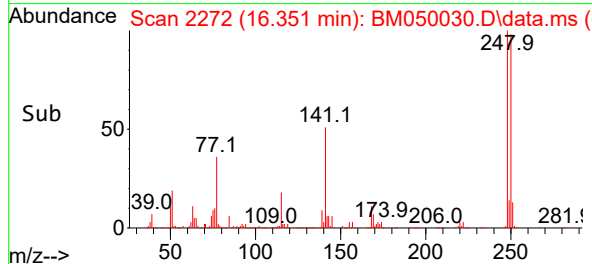
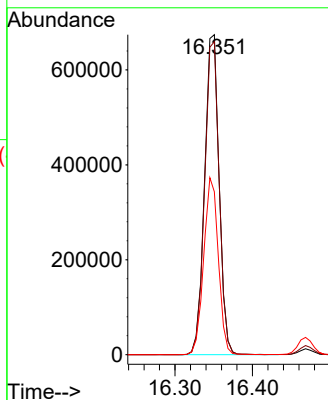
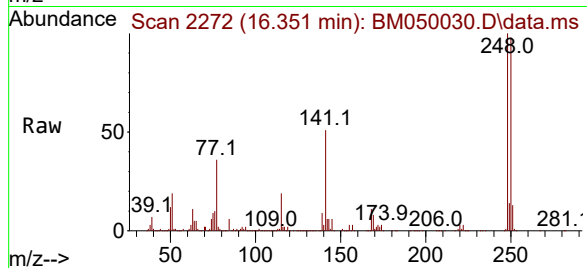




#67
4-Bromophenyl-phenylether
Concen: 63.509 ng
RT: 16.351 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

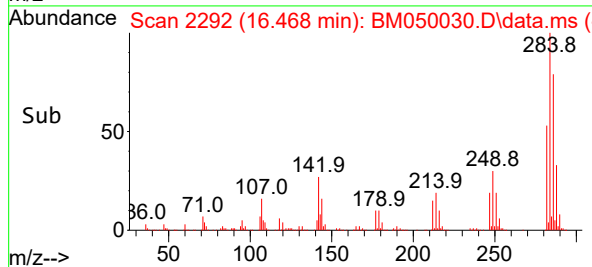
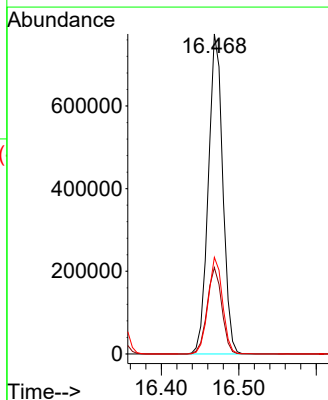
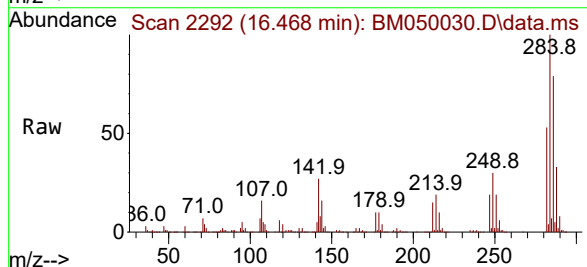
Instrument :
BNA_M
ClientSampleId :
SSTDICC060

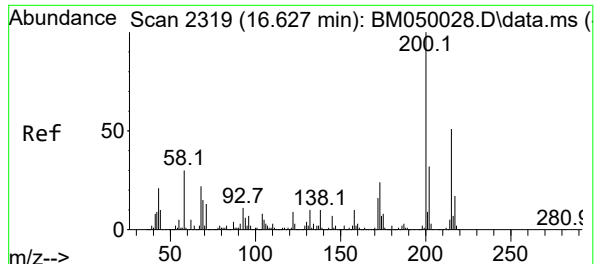
Tgt Ion:248 Resp: 878886
Ion Ratio Lower Upper
248 100
250 97.8 76.2 114.2
141 50.9 45.9 68.9



#68
Hexachlorobenzene
Concen: 62.711 ng
RT: 16.468 min Scan# 2292
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:284 Resp: 1000366
Ion Ratio Lower Upper
284 100
142 27.0 23.9 35.9
249 30.2 24.5 36.7





#69

Atrazine

Concen: 63.312 ng

RT: 16.627 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM050030.D

Acq: 28 Apr 2025 16:24

Instrument :

BNA_M

ClientSampleId :

SSTDICC060

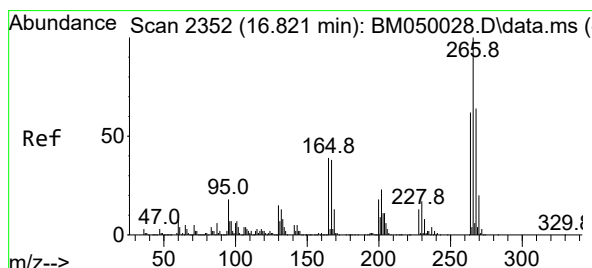
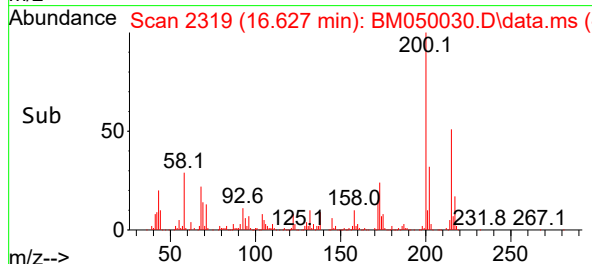
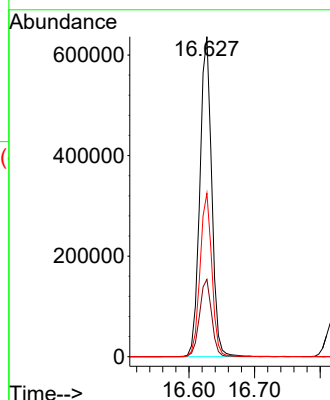
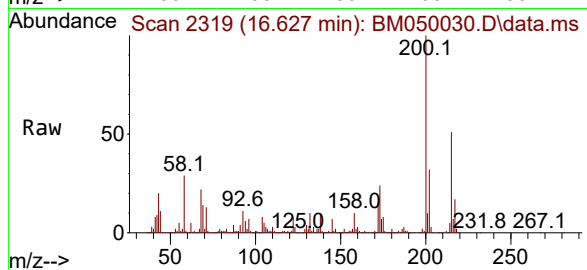
Tgt Ion:200 Resp: 802538

Ion Ratio Lower Upper

200 100

173 24.2 4.3 44.3

215 51.0 30.6 70.6



#70

Pentachlorophenol

Concen: 65.136 ng

RT: 16.821 min Scan# 2352

Delta R.T. 0.000 min

Lab File: BM050030.D

Acq: 28 Apr 2025 16:24

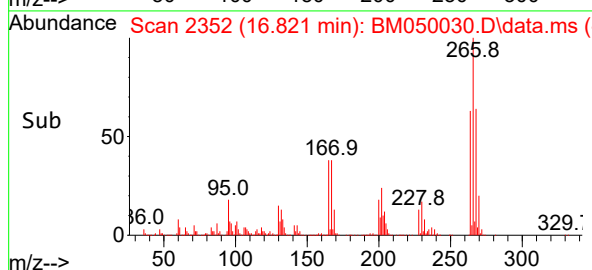
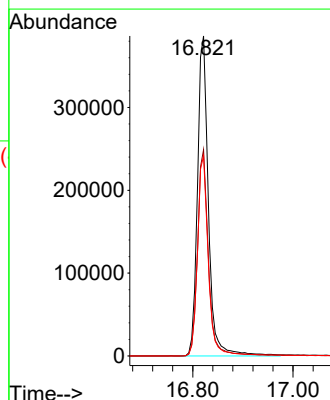
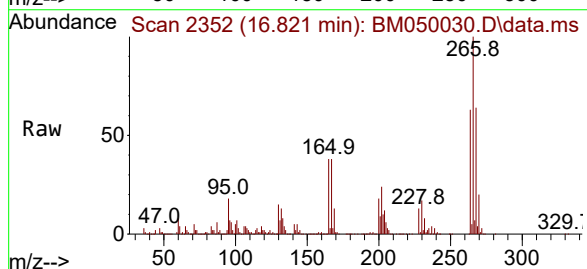
Tgt Ion:266 Resp: 584874

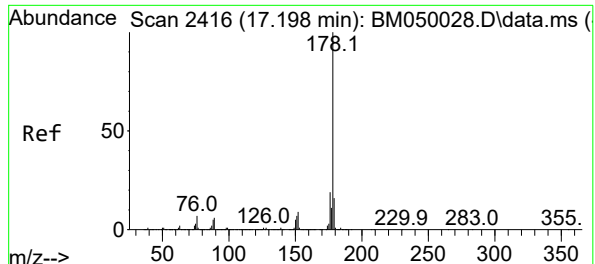
Ion Ratio Lower Upper

266 100

268 64.5 51.2 76.8

264 62.6 49.6 74.4

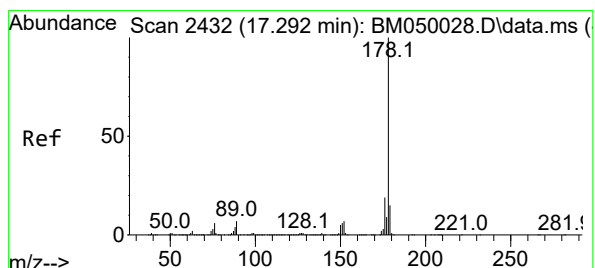
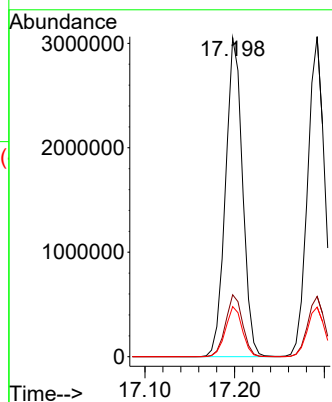
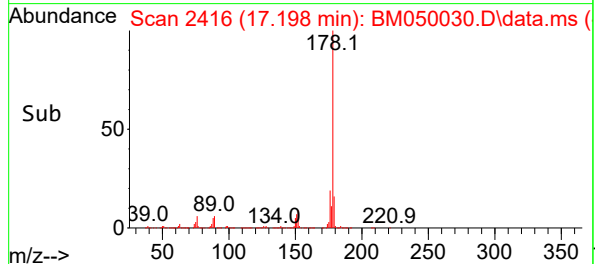
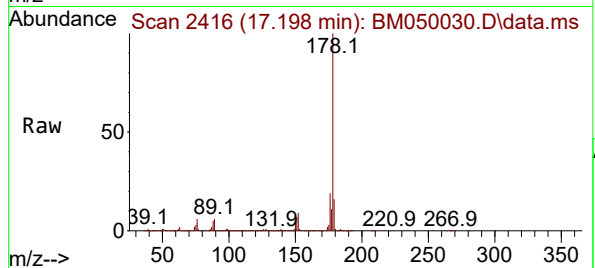




#71
Phenanthrene
Concen: 62.410 ng
RT: 17.198 min Scan# 2416
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

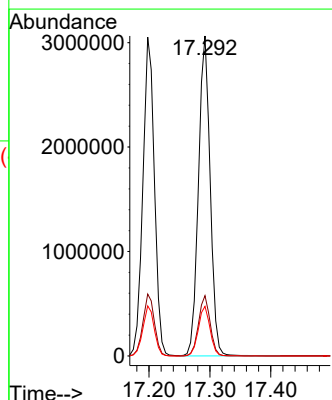
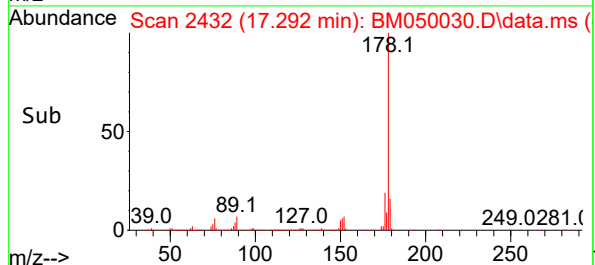
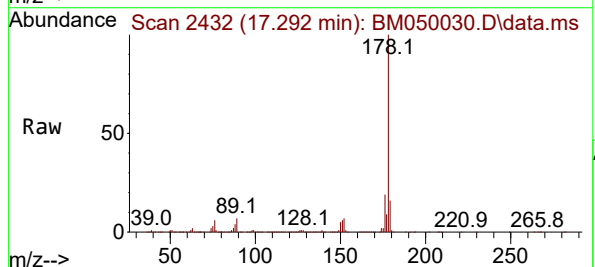
Instrument :
BNA_M
ClientSampleId :
SSTDICC060

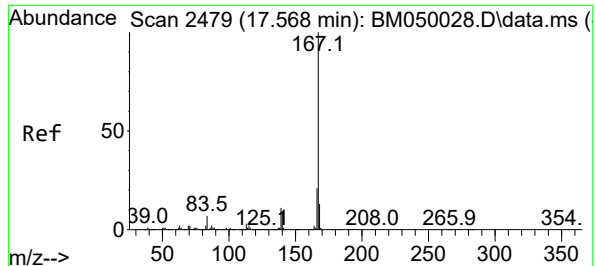
Tgt Ion:178 Resp: 4028280
Ion Ratio Lower Upper
178 100
176 19.4 15.3 22.9
179 15.7 12.4 18.6



#72
Anthracene
Concen: 62.590 ng
RT: 17.292 min Scan# 2432
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:178 Resp: 4088295
Ion Ratio Lower Upper
178 100
176 18.9 15.0 22.4
179 15.5 12.2 18.4

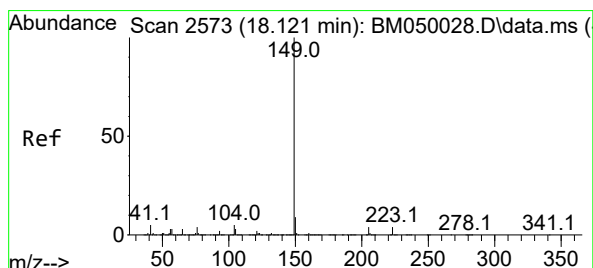
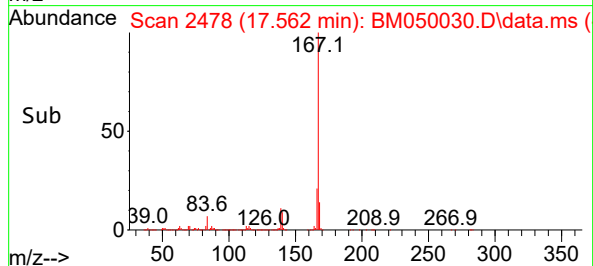
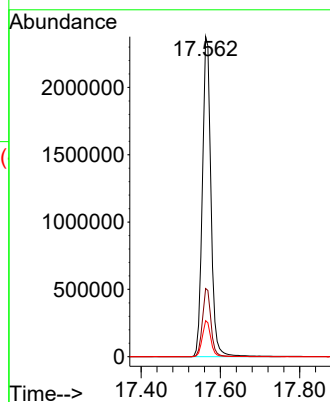
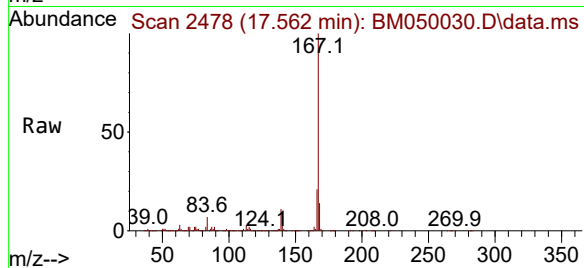




#73
Carbazole
Concen: 62.854 ng
RT: 17.562 min Scan# 2479
Delta R.T. -0.006 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

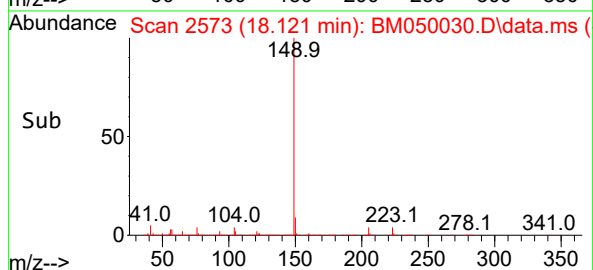
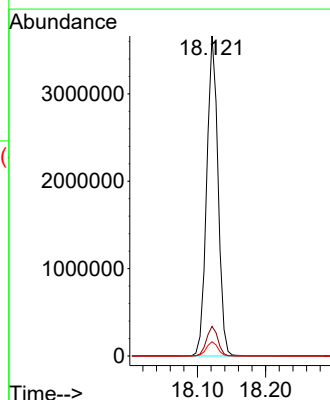
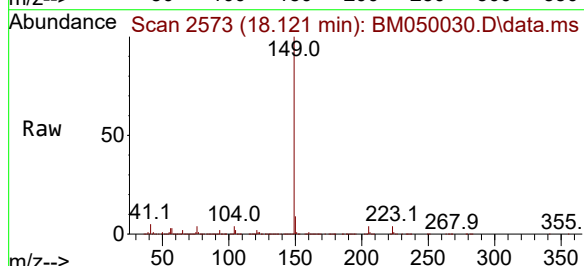
Instrument :
BNA_M
ClientSampleId :
SSTDICC060

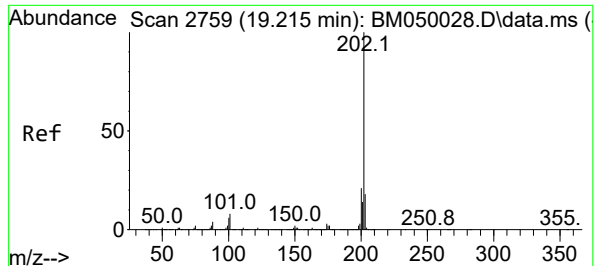
Tgt Ion:167 Resp: 3562573
Ion Ratio Lower Upper
167 100
166 21.3 17.2 25.8
139 11.3 9.0 13.6



#74
Di-n-butylphthalate
Concen: 62.607 ng
RT: 18.121 min Scan# 2573
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:149 Resp: 4225922
Ion Ratio Lower Upper
149 100
150 9.2 7.3 10.9
104 4.5 3.8 5.6

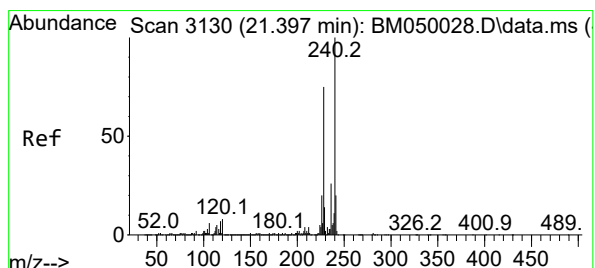
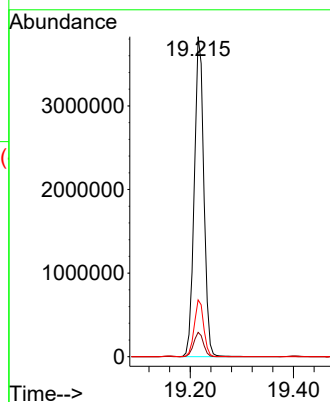
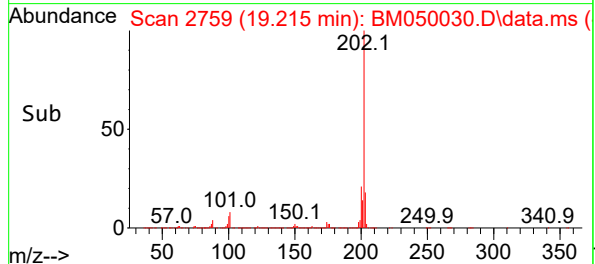
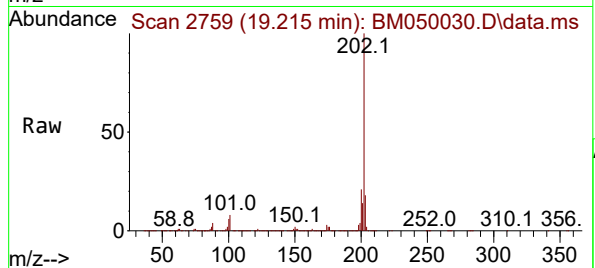




#75
Fluoranthene
Concen: 64.546 ng
RT: 19.215 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

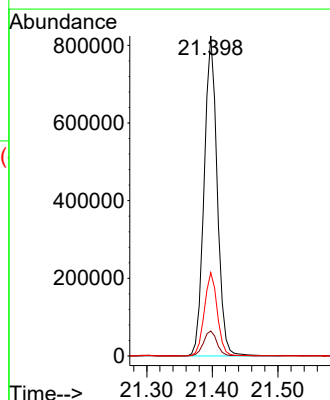
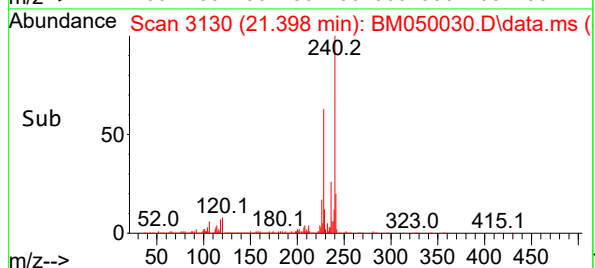
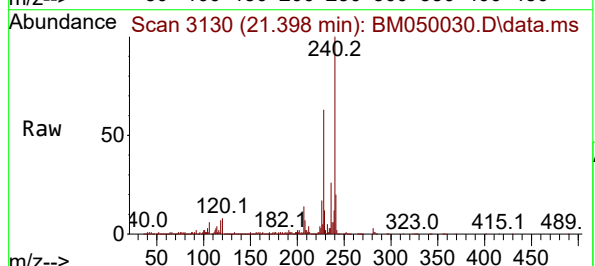
Instrument :
BNA_M
ClientSampleId :
SSTDICC060

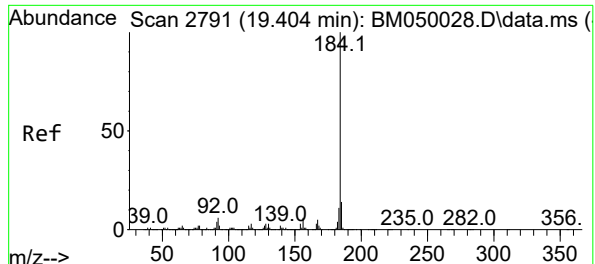
Tgt Ion:202 Resp: 4891273
Ion Ratio Lower Upper
202 100
101 7.6 0.0 28.0
203 17.8 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.398 min Scan# 3130
Delta R.T. 0.001 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:240 Resp: 1144881
Ion Ratio Lower Upper
240 100
120 7.8 6.5 9.7
236 26.1 20.9 31.3

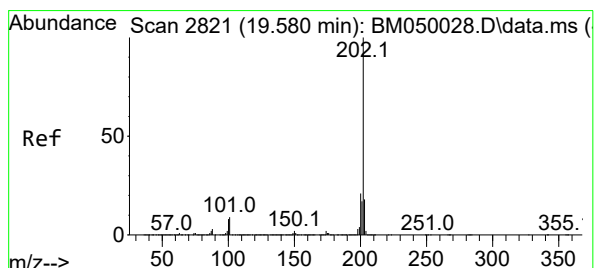
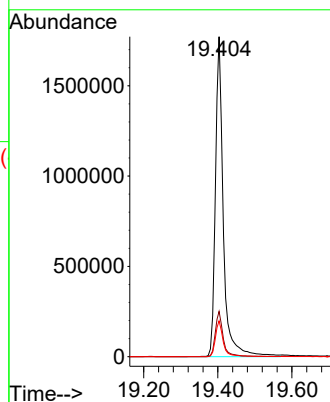
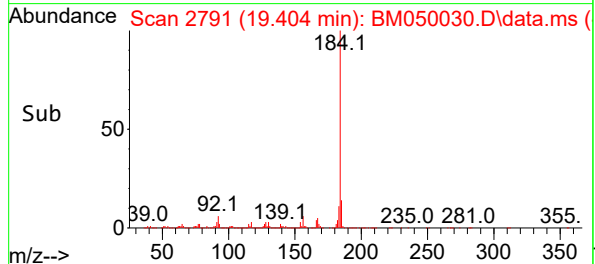
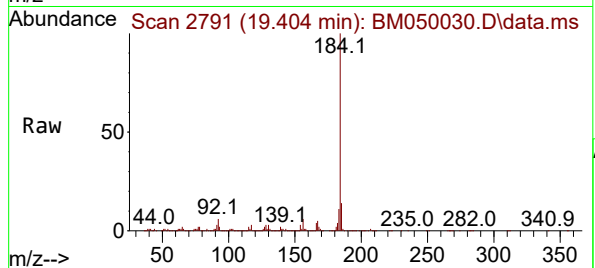




#77
Benzidine
Concen: 64.592 ng
RT: 19.404 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

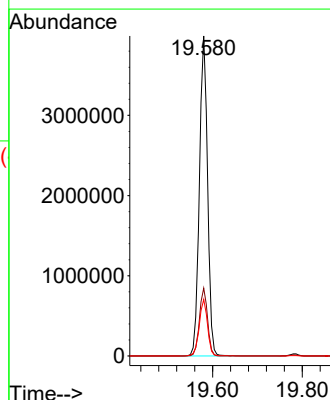
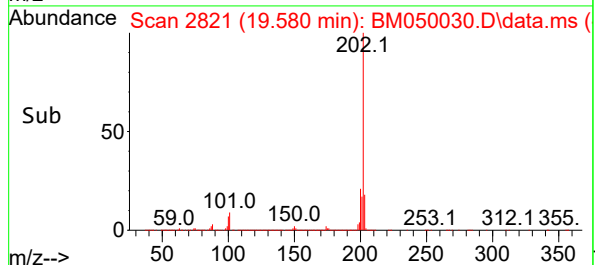
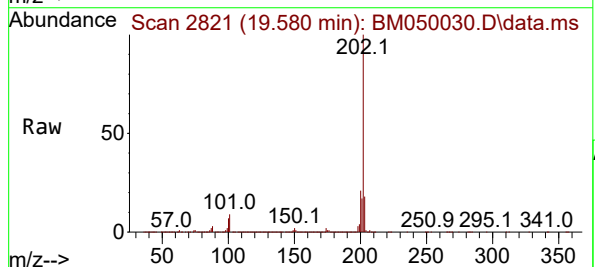
Instrument :
BNA_M
ClientSampleId :
SSTDICC060

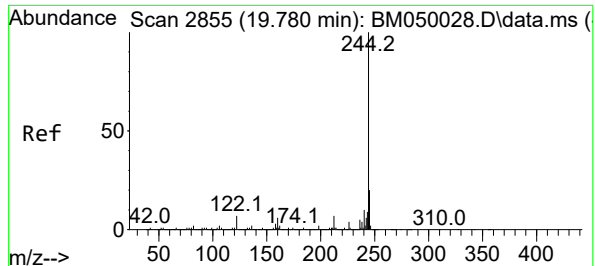
Tgt Ion:184 Resp: 2626747
Ion Ratio Lower Upper
184 100
185 14.2 11.5 17.3
183 11.2 8.9 13.3



#78
Pyrene
Concen: 62.565 ng
RT: 19.580 min Scan# 2821
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:202 Resp: 5030035
Ion Ratio Lower Upper
202 100
200 21.2 16.7 25.1
203 17.6 14.1 21.1

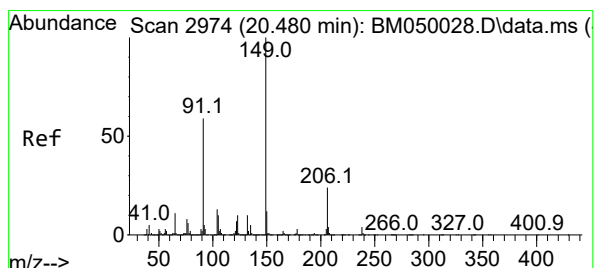
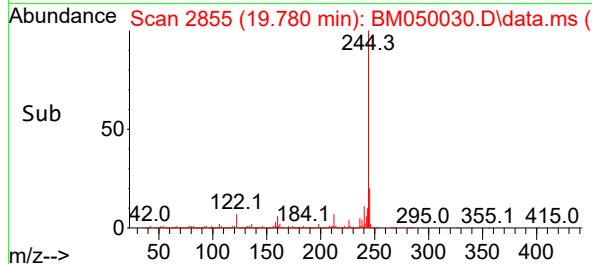
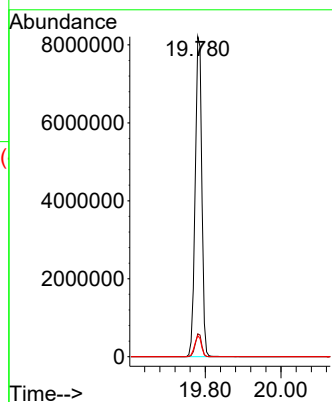
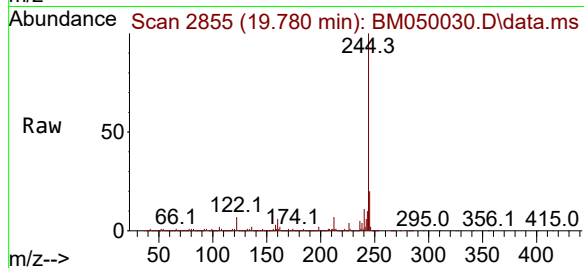




#79
Terphenyl-d14
Concen: 129.471 ng
RT: 19.780 min Scan# 2855
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

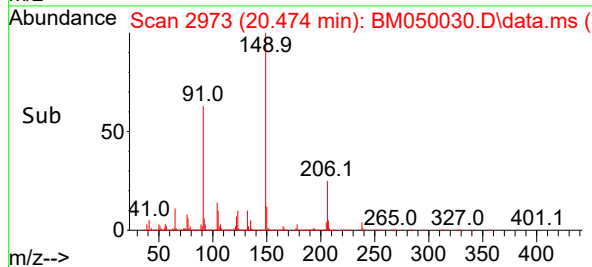
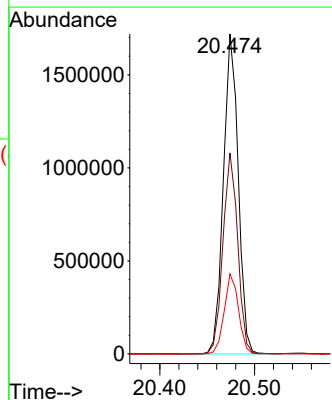
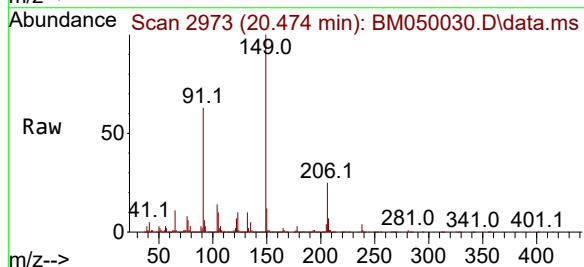
Instrument :
BNA_M
ClientSampleId :
SSTDICC060

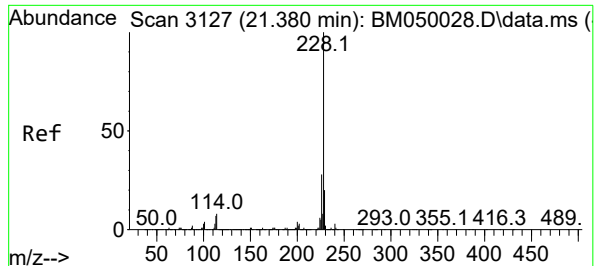
Tgt Ion:244 Resp:10017186
Ion Ratio Lower Upper
244 100
212 7.2 5.6 8.4
122 6.6 5.6 8.4



#80
Butylbenzylphthalate
Concen: 62.216 ng
RT: 20.474 min Scan# 2973
Delta R.T. -0.006 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:149 Resp: 1873444
Ion Ratio Lower Upper
149 100
91 62.8 47.4 71.2
206 25.0 19.4 29.0

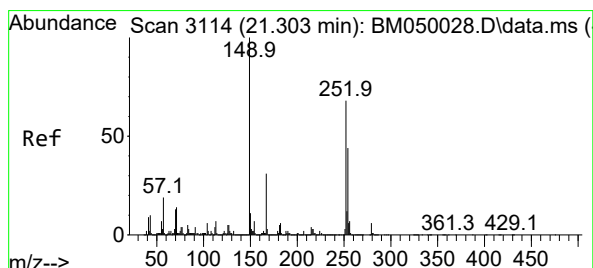
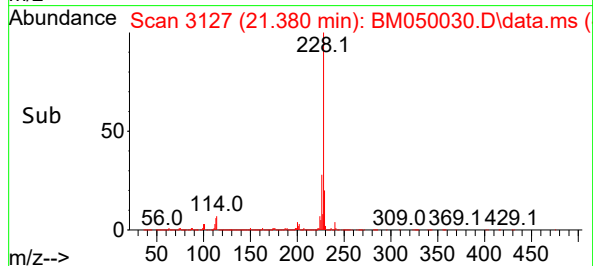
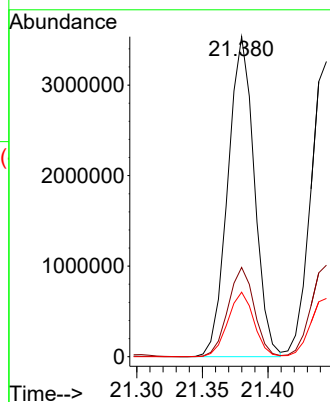
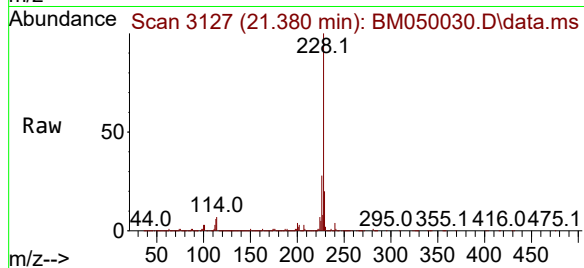




#81
Benzo(a)anthracene
Concen: 62.841 ng
RT: 21.380 min Scan# 3127
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

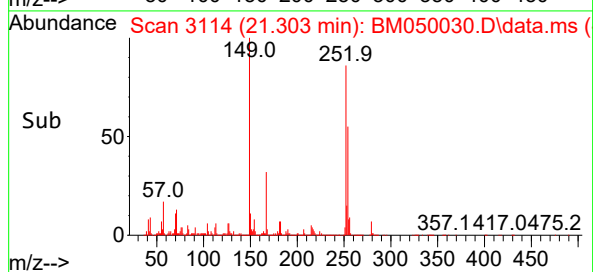
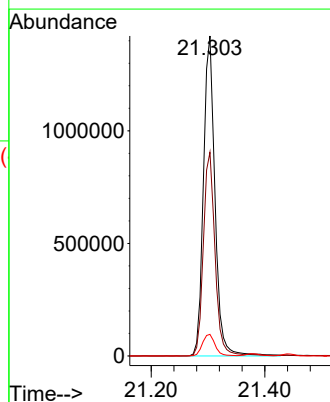
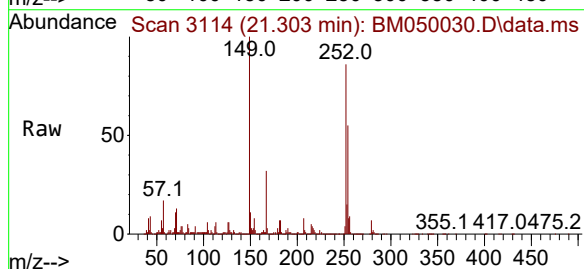
Instrument :
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ClientSampleId :
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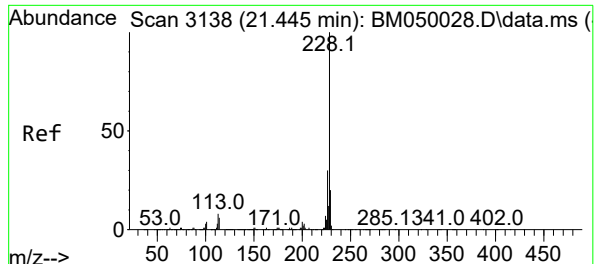
Tgt Ion:228 Resp: 4954357
Ion Ratio Lower Upper
228 100
226 27.9 22.1 33.1
229 20.2 15.7 23.5



#82
3,3'-Dichlorobenzidine
Concen: 66.368 ng
RT: 21.303 min Scan# 3114
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:252 Resp: 2003019
Ion Ratio Lower Upper
252 100
254 63.6 51.8 77.6
126 6.7 6.0 9.0





#83

Chrysene

Concen: 62.348 ng

RT: 21.445 min Scan# 3138

Delta R.T. 0.000 min

Lab File: BM050030.D

Acq: 28 Apr 2025 16:24

Instrument :

BNA_M

ClientSampleId :

SSTDICC060

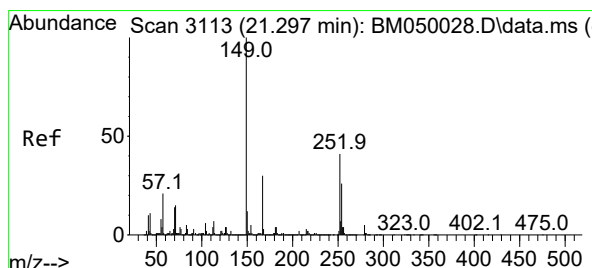
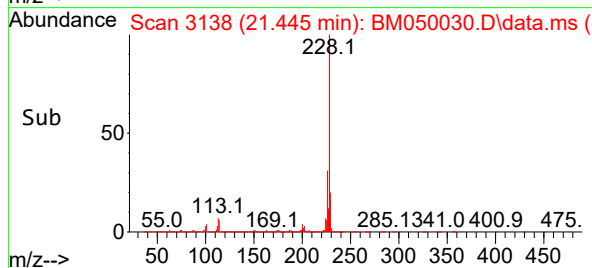
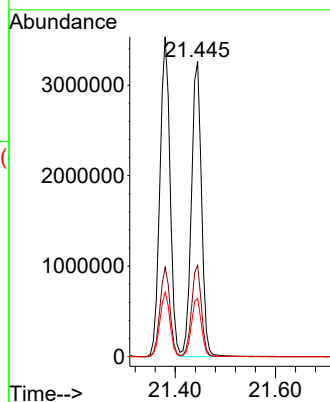
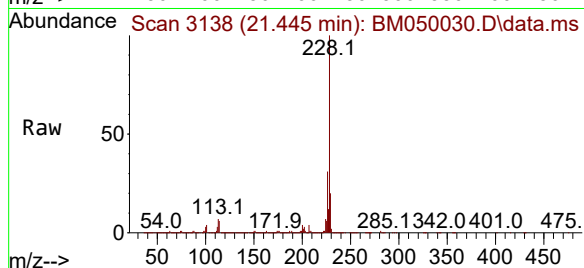
Tgt Ion:228 Resp: 4549388

Ion Ratio Lower Upper

228 100

226 31.0 24.2 36.2

229 19.7 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 62.192 ng

RT: 21.298 min Scan# 3113

Delta R.T. 0.000 min

Lab File: BM050030.D

Acq: 28 Apr 2025 16:24

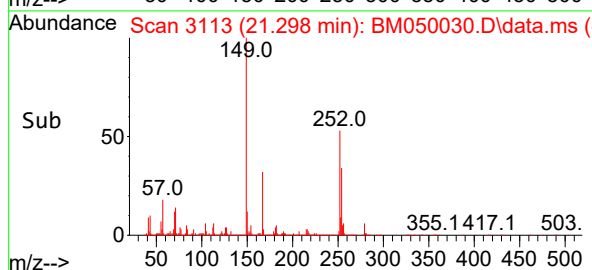
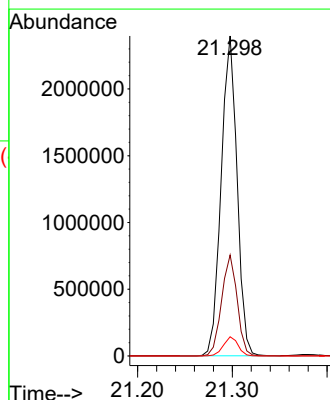
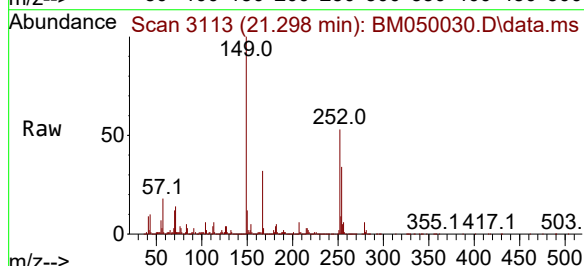
Tgt Ion:149 Resp: 2797195

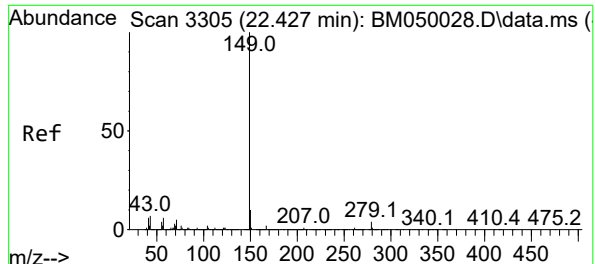
Ion Ratio Lower Upper

149 100

167 31.6 24.1 36.1

279 6.0 3.9 5.9#

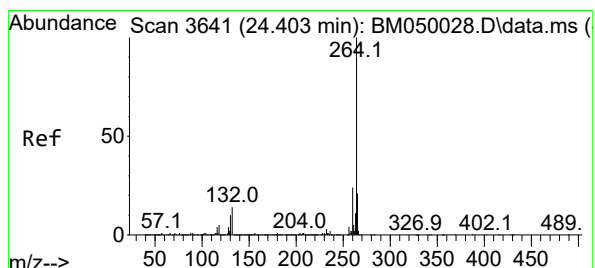
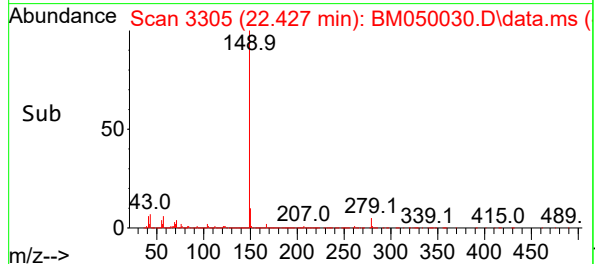
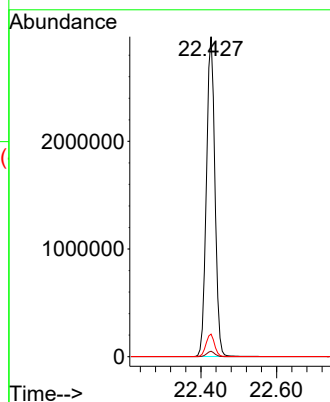
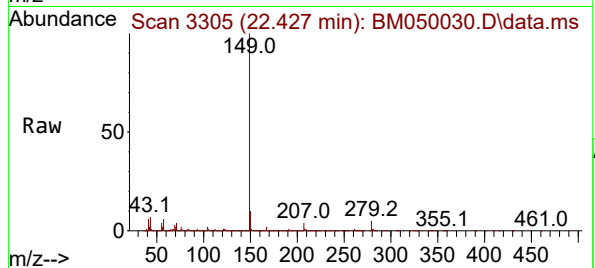




#85
Di-n-octyl phthalate
Concen: 62.095 ng
RT: 22.427 min Scan# 31
Delta R.T. 0.000 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

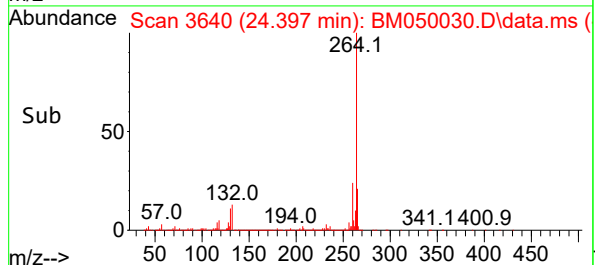
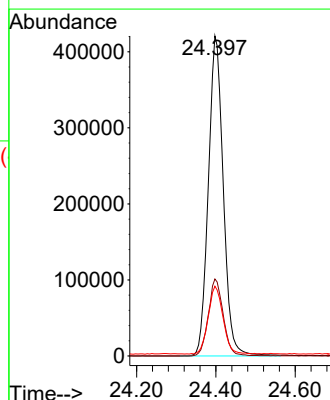
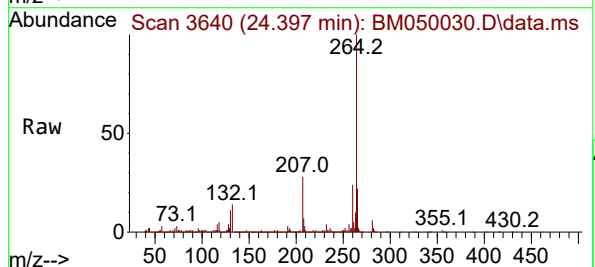
Instrument :
BNA_M
ClientSampleId :
SSTDICC060

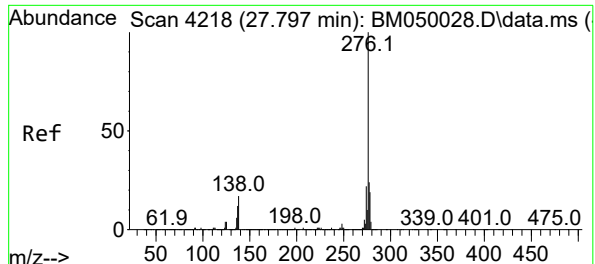
Tgt Ion:149 Resp: 4605837
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 7.1 5.8 8.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.397 min Scan# 3640
Delta R.T. -0.006 min
Lab File: BM050030.D
Acq: 28 Apr 2025 16:24

Tgt Ion:264 Resp: 1099459
Ion Ratio Lower Upper
264 100
260 24.1 18.8 28.2
265 21.8 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 64.068 ng

RT: 27.797 min Scan# 4218

Delta R.T. 0.000 min

Lab File: BM050030.D

Acq: 28 Apr 2025 16:24

Instrument :

BNA_M

ClientSampleId :

SSTDICC060

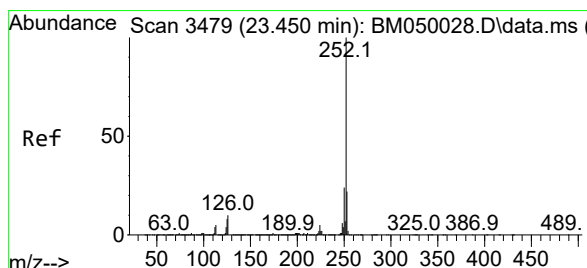
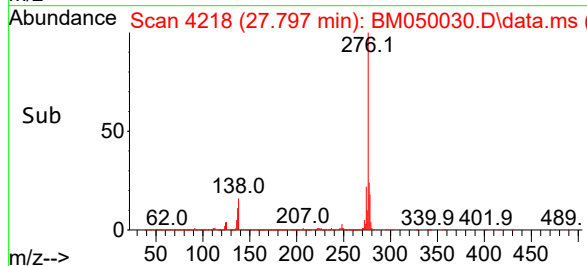
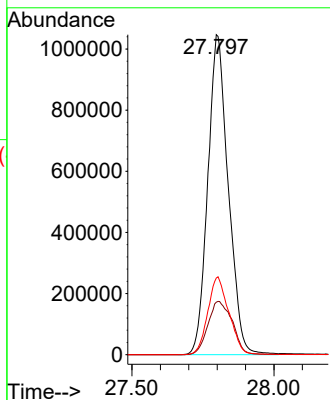
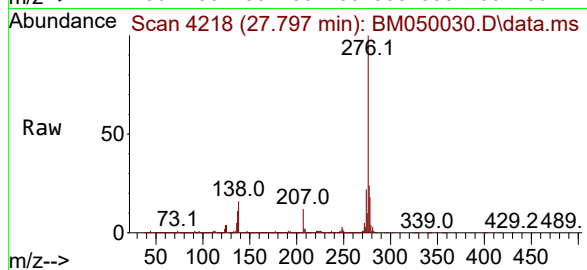
Tgt Ion:276 Resp: 5248662

Ion Ratio Lower Upper

276 100

138 19.9 16.4 24.6

277 25.1 19.8 29.8



#88

Benzo(b)fluoranthene

Concen: 64.936 ng

RT: 23.456 min Scan# 3480

Delta R.T. 0.006 min

Lab File: BM050030.D

Acq: 28 Apr 2025 16:24

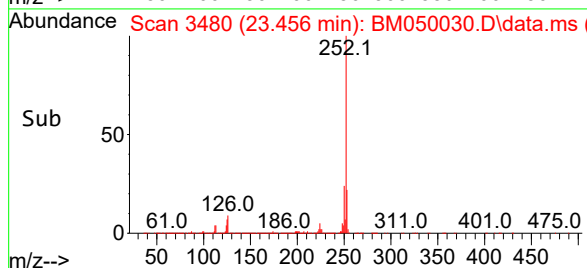
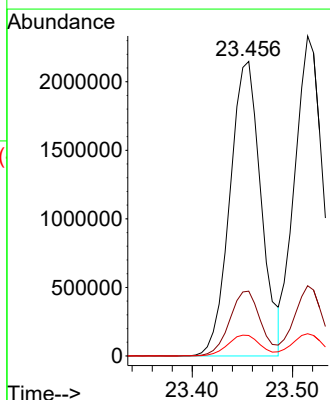
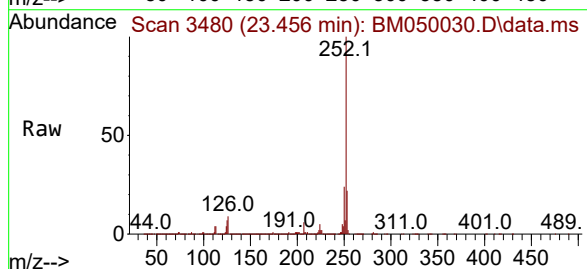
Tgt Ion:252 Resp: 4643026

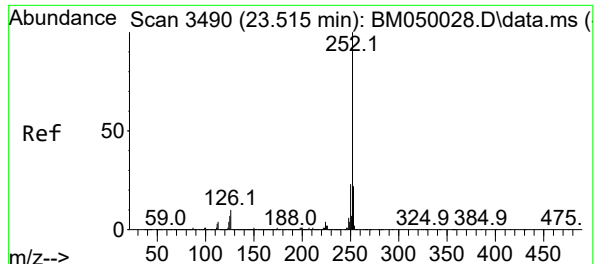
Ion Ratio Lower Upper

252 100

253 22.0 17.7 26.5

125 6.9 6.1 9.1





#89

Benzo(k)fluoranthene

Concen: 63.050 ng

RT: 23.515 min Scan# 3490

Delta R.T. 0.000 min

Lab File: BM050030.D

Acq: 28 Apr 2025 16:24

Instrument :

BNA_M

ClientSampleId :

SSTDICC060

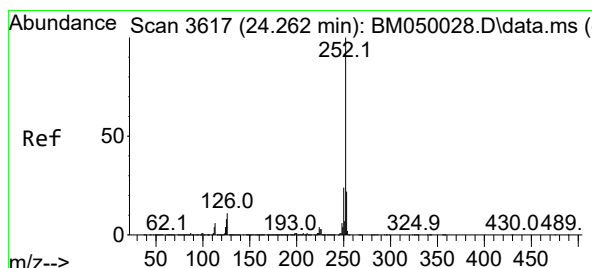
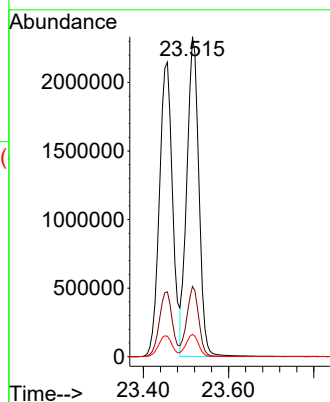
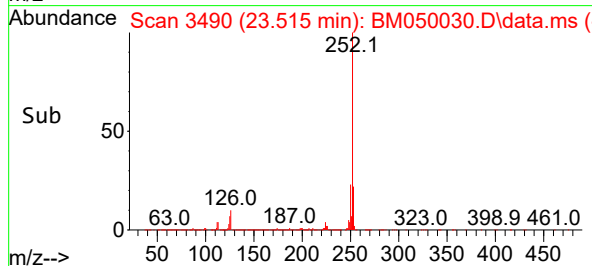
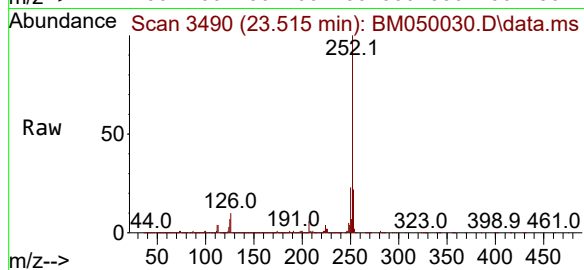
Tgt Ion:252 Resp: 4561134

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.2

125 7.0 5.8 8.8



#90

Benzo(a)pyrene

Concen: 63.936 ng

RT: 24.262 min Scan# 3617

Delta R.T. 0.000 min

Lab File: BM050030.D

Acq: 28 Apr 2025 16:24

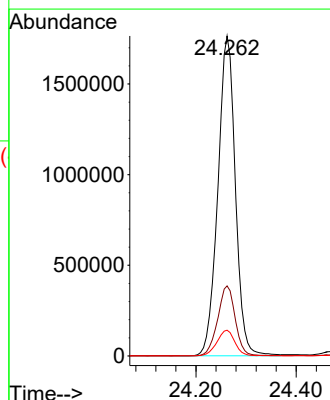
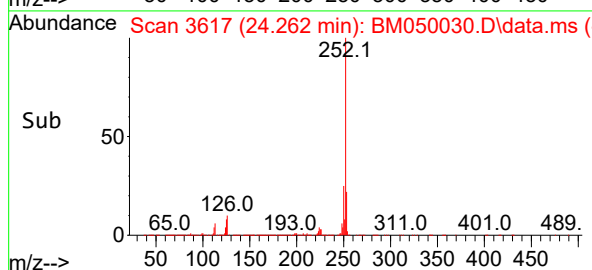
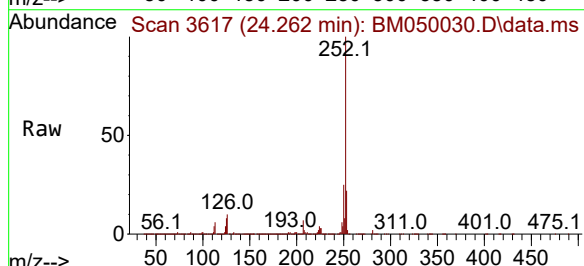
Tgt Ion:252 Resp: 4281665

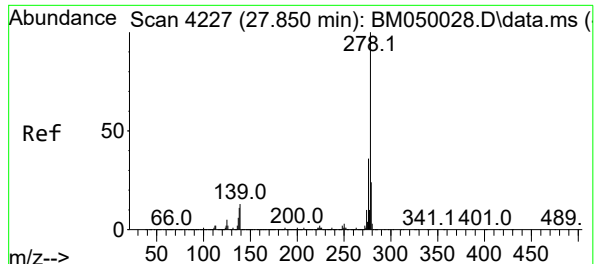
Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.0

125 8.0 6.6 9.8





#91

Dibenzo(a,h)anthracene

Concen: 64.478 ng

RT: 27.850 min Scan# 4227

Delta R.T. 0.000 min

Lab File: BM050030.D

Acq: 28 Apr 2025 16:24

Instrument :

BNA_M

ClientSampleId :

SSTDIC060

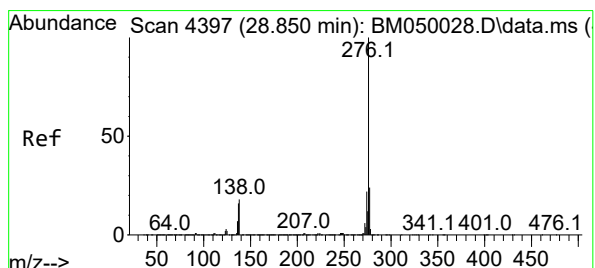
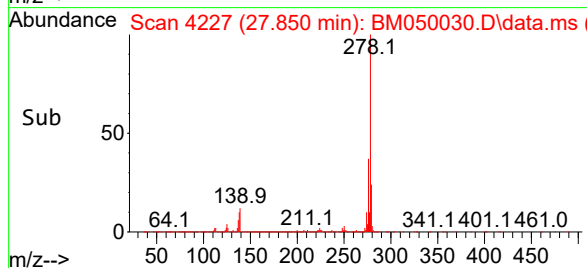
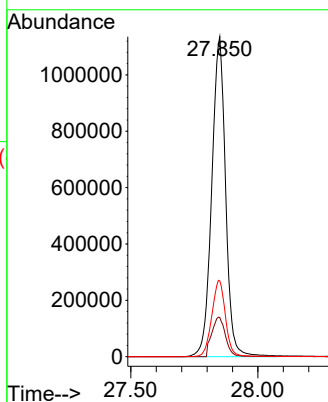
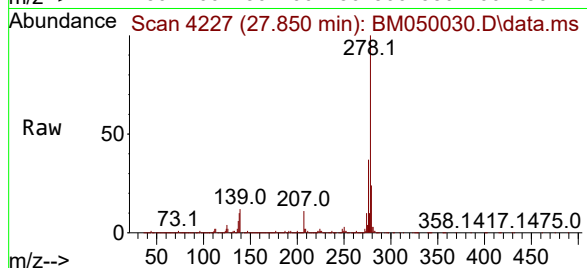
Tgt Ion:278 Resp: 4305928

Ion Ratio Lower Upper

278 100

139 12.3 10.5 15.7

279 23.6 19.4 29.0



#92

Benzo(g,h,i)perylene

Concen: 63.142 ng

RT: 28.850 min Scan# 4397

Delta R.T. 0.000 min

Lab File: BM050030.D

Acq: 28 Apr 2025 16:24

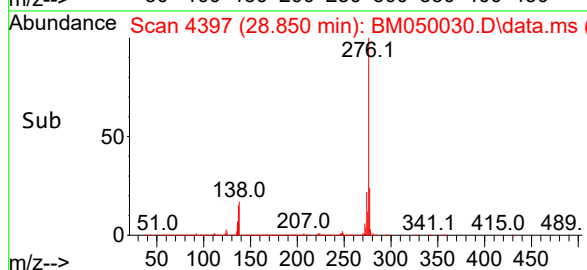
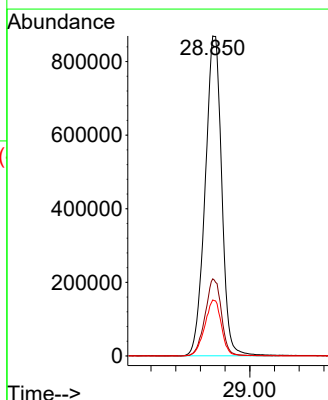
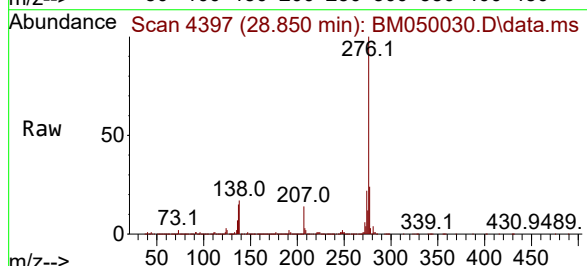
Tgt Ion:276 Resp: 4036958

Ion Ratio Lower Upper

276 100

277 24.1 19.1 28.7

138 17.5 14.3 21.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
 Data File : BM050031.D
 Acq On : 28 Apr 2025 17:04
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC080

Quant Time: Apr 28 17:59:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 17:38:08 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	251380	20.000	ng	0.00
21) Naphthalene-d8	10.563	136	931435	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	613490	20.000	ng	0.00
64) Phenanthrene-d10	17.156	188	1212251	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1197780	20.000	ng	0.00
86) Perylene-d12	24.397	264	1141905	20.000	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	2297313	160.027	ng	0.00
7) Phenol-d6	6.957	99	2954036	163.719	ng	0.00
23) Nitrobenzene-d5	8.933	82	2984192	157.875	ng	0.00
42) 2,4,6-Tribromophenol	15.909	330	1586083	174.847	ng	0.00
45) 2-Fluorobiphenyl	13.033	172	8283812	159.736	ng	0.00
79) Terphenyl-d14	19.780	244	11877110	146.730	ng	0.00

Target Compounds					Qvalue
2) 1,4-Dioxane	3.251	88	475912	77.317	ng 99
3) Pyridine	3.657	79	1267903	80.171	ng 99
4) n-Nitrosodimethylamine	3.563	42	492501	79.400	ng 99
6) Aniline	7.098	93	1845033	80.979	ng 99
8) 2-Chlorophenol	7.339	128	1241711	79.998	ng 100
9) Benzaldehyde	6.910	77	898993	74.544	ng 99
10) Phenol	6.981	94	1491194	81.638	ng 98
11) bis(2-Chloroethyl)ether	7.192	93	1224517	80.283	ng 99
12) 1,3-Dichlorobenzene	7.657	146	1460820	77.912	ng 100
13) 1,4-Dichlorobenzene	7.804	146	1465881	77.822	ng 99
14) 1,2-Dichlorobenzene	8.122	146	1412270	77.618	ng 99
15) Benzyl Alcohol	8.016	79	1055328	84.339	ng 99
16) 2,2'-oxybis(1-Chloropr...	8.292	45	1440484	77.694	ng 100
17) 2-Methylphenol	8.228	107	980375	81.473	ng 99
18) Hexachloroethane	8.845	117	513126	76.632	ng 98
19) n-Nitroso-di-n-propyla...	8.581	70	933468	80.665	ng 99
20) 3+4-Methylphenols	8.557	107	1348190	82.965	ng 99
22) Acetophenone	8.592	105	1815657	78.406	ng # 99
24) Nitrobenzene	8.975	77	1289068	78.871	ng 99
25) Isophorone	9.504	82	2559279	79.430	ng 100
26) 2-Nitrophenol	9.680	139	710174	85.053	ng 99
27) 2,4-Dimethylphenol	9.751	122	1136040	82.043	ng 99
28) bis(2-Chloroethoxy)met...	9.975	93	1581985	79.437	ng 99
29) 2,4-Dichlorophenol	10.222	162	1275806	82.243	ng 99
30) 1,2,4-Trichlorobenzene	10.427	180	1485344	78.590	ng 99
31) Naphthalene	10.610	128	3686066	78.143	ng 100
32) Benzoic acid	9.951	122	800660	90.660	ng 97
33) 4-Chloroaniline	10.727	127	1575909	81.508	ng 99
34) Hexachlorobutadiene	10.898	225	959905	80.012	ng 99
35) Caprolactam	11.539	113	371164	82.060	ng 98
36) 4-Chloro-3-methylphenol	11.869	107	1152624	80.424	ng 99
37) 2-Methylnaphthalene	12.227	142	2525532	79.858	ng 99
38) 1-Methylnaphthalene	12.451	142	2645483	79.045	ng 99
40) 1,2,4,5-Tetrachloroben...	12.604	216	1799698	84.742	ng 99
41) Hexachlorocyclopentadiene	12.580	237	1185418	91.336	ng 99
43) 2,4,6-Trichlorophenol	12.851	196	1151641	85.496	ng 99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
 Data File : BM050031.D
 Acq On : 28 Apr 2025 17:04
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDICC080

Quant Time: Apr 28 17:59:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 17:38:08 2025
 Response via : Initial Calibration

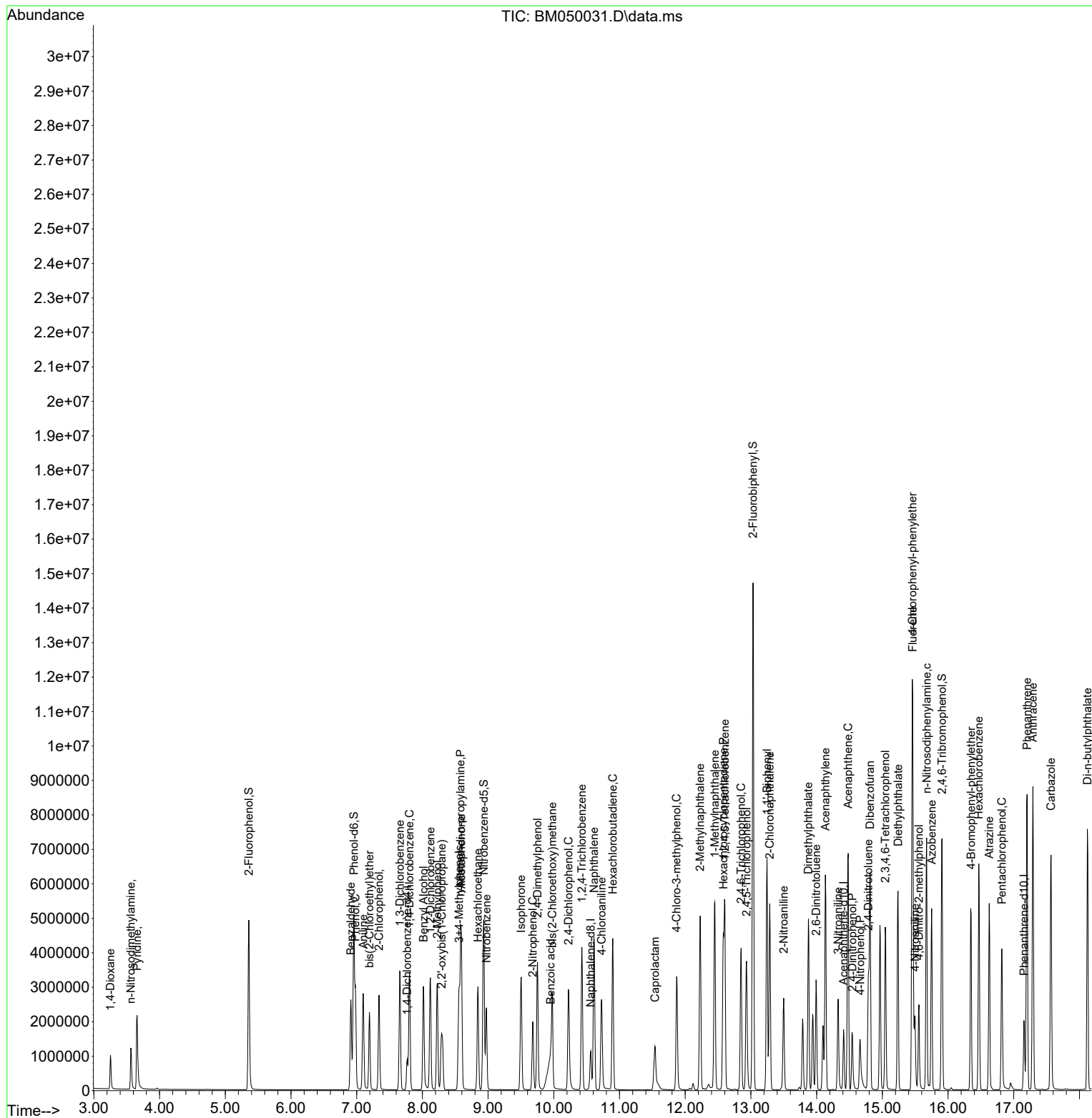
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.933	196	1220306	84.011	ng	98
46) 1,1'-Biphenyl	13.245	154	3613893	79.246	ng	99
47) 2-Chloronaphthalene	13.286	162	2842514	78.700	ng	99
48) 2-Nitroaniline	13.498	65	701256	82.725	ng	99
49) Acenaphthylene	14.133	152	4526874	79.492	ng	99
50) Dimethylphthalate	13.874	163	3507333	78.228	ng	99
51) 2,6-Dinitrotoluene	13.992	165	758296	81.689	ng	99
52) Acenaphthene	14.480	154	2618967	79.452	ng	100
53) 3-Nitroaniline	14.327	138	740202	83.521	ng	100
54) 2,4-Dinitrophenol	14.545	184	469472	79.096	ng	98
55) Dibenzofuran	14.815	168	4325783	78.875	ng	99
56) 4-Nitrophenol	14.662	139	566943	78.710	ng	99
57) 2,4-Dinitrotoluene	14.786	165	1080118	84.207	ng	96
58) Fluorene	15.462	166	3565506	79.426	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.045	232	1057707	84.123	ng	96
60) Diethylphthalate	15.239	149	3257954	77.118	ng	97
61) 4-Chlorophenyl-phenyle...	15.457	204	2051105	83.186	ng	96
62) 4-Nitroaniline	15.498	138	724549	84.678	ng	99
63) Azobenzene	15.751	77	2723186	76.914	ng	95
65) 4,6-Dinitro-2-methylph...	15.557	198	665798	87.741	ng	96
66) n-Nitrosodiphenylamine	15.674	169	2957293	79.443	ng	99
67) 4-Bromophenyl-phenylether	16.351	248	1225531	83.600	ng	94
68) Hexachlorobenzene	16.468	284	1412768	83.606	ng	95
69) Atrazine	16.627	200	1116818	83.174	ng	100
70) Pentachlorophenol	16.821	266	843195	88.648	ng	99
71) Phenanthrene	17.203	178	5487968	80.266	ng	99
72) Anthracene	17.292	178	5597195	80.893	ng	99
73) Carbazole	17.568	167	4845637	80.705	ng	99
74) Di-n-butylphthalate	18.121	149	5649166	79.007	ng	99
75) Fluoranthene	19.221	202	6841999	85.234	ng	99
77) Benzidine	19.403	184	3598340	84.575	ng	100
78) Pyrene	19.580	202	6959279	82.738	ng	99
80) Butylbenzylphthalate	20.474	149	2512705	79.760	ng	97
81) Benzo(a)anthracene	21.380	228	6747718	81.808	ng	99
82) 3,3'-Dichlorobenzidine	21.303	252	2782107	88.111	ng	99
83) Chrysene	21.444	228	6207632	81.316	ng	98
84) Bis(2-ethylhexyl)phtha...	21.297	149	3665836	77.905	ng	# 96
85) Di-n-octyl phthalate	22.427	149	6109632	78.732	ng	99
87) Indeno(1,2,3-cd)pyrene	27.803	276	7285836	85.629	ng	98
88) Benzo(b)fluoranthene	23.456	252	6347901	85.480	ng	99
89) Benzo(k)fluoranthene	23.521	252	6265924	83.396	ng	99
90) Benzo(a)pyrene	24.262	252	5925652	85.195	ng	99
91) Dibenzo(a,h)anthracene	27.850	278	5981478	86.239	ng	99
92) Benzo(g,h,i)perylene	28.862	276	5537637	83.395	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050031.D
Acq On : 28 Apr 2025 17:04
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

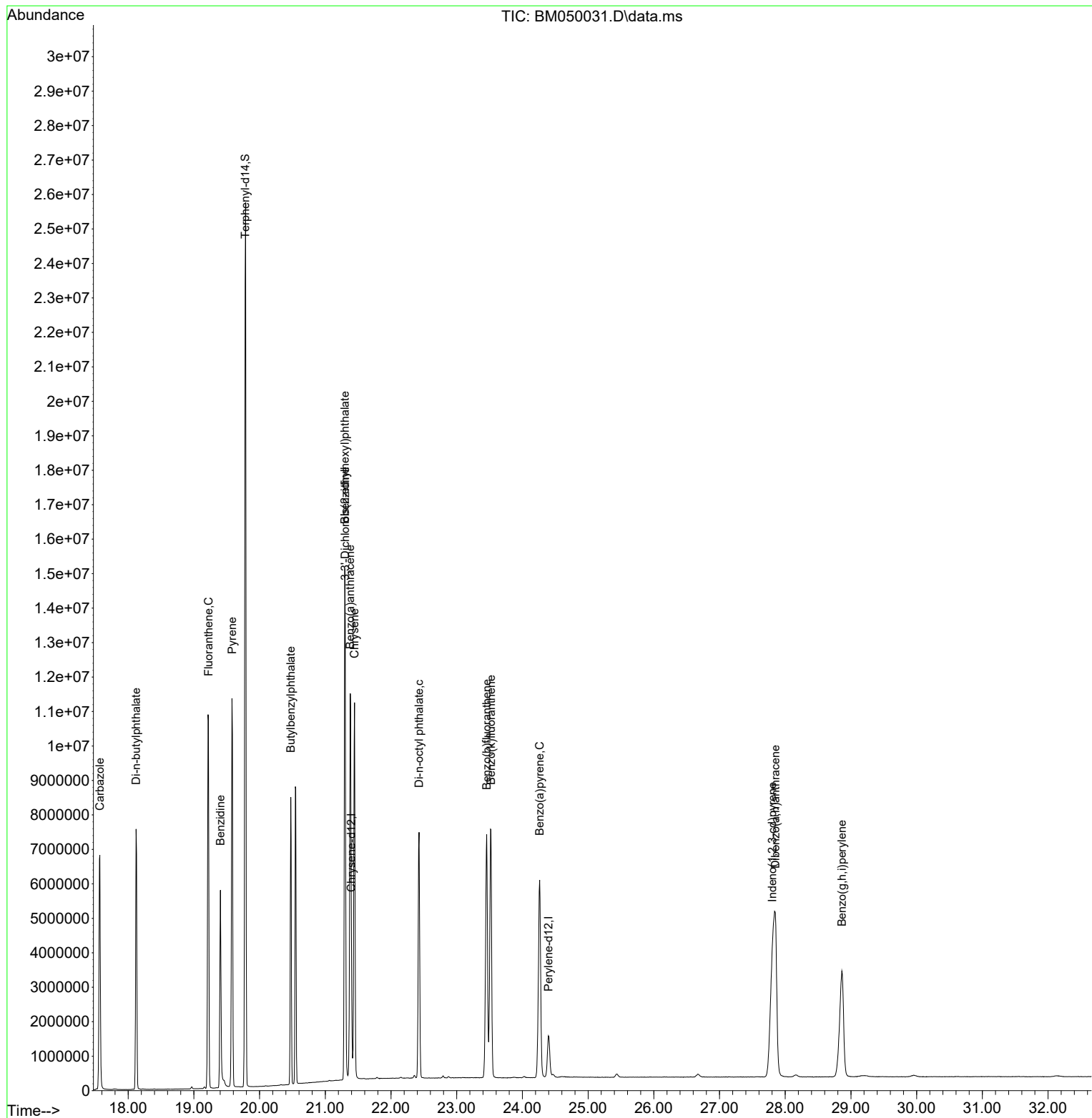
Quant Time: Apr 28 17:59:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

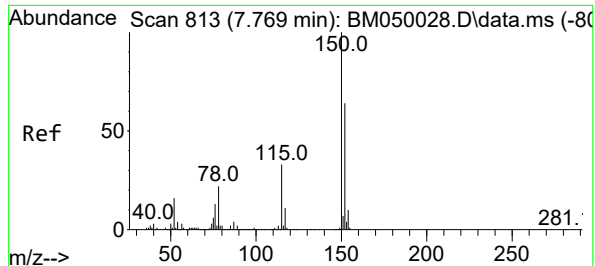


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050031.D
Acq On : 28 Apr 2025 17:04
Operator : RC/JU
Sample : SSTDICC080
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ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Quant Time: Apr 28 17:59:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration

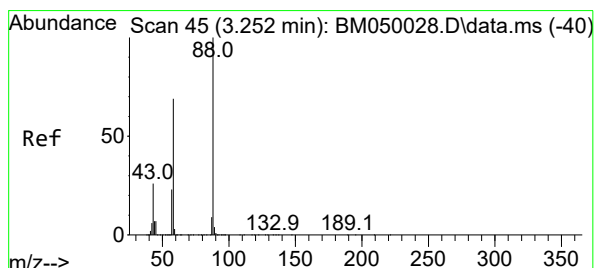
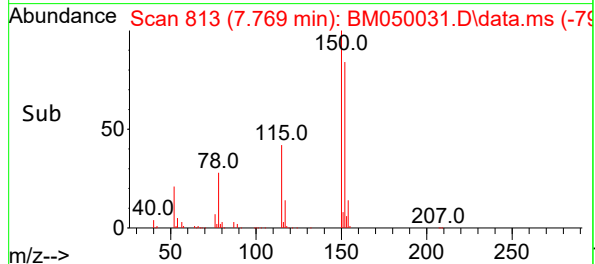
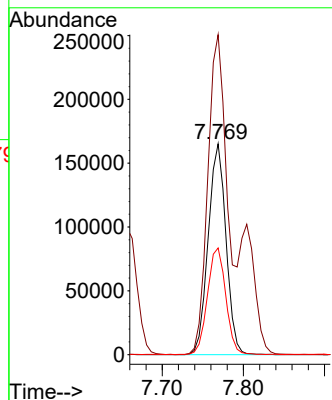
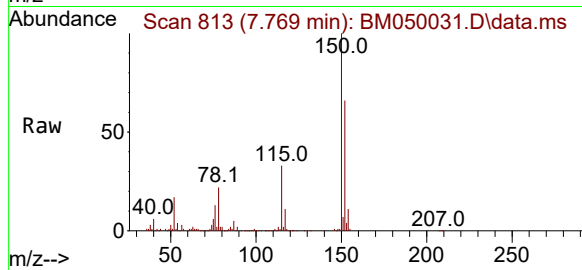




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 813
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

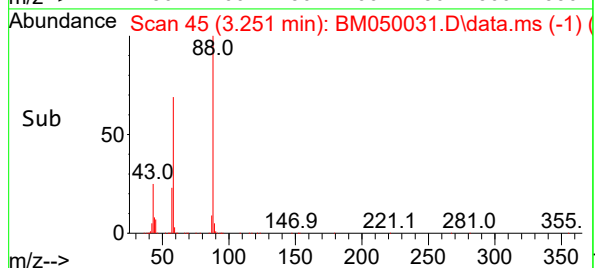
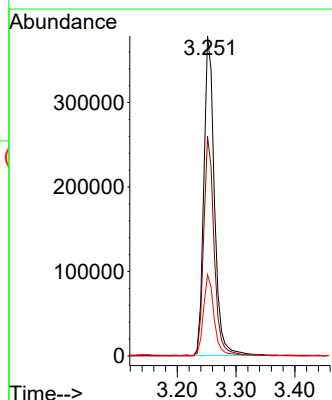
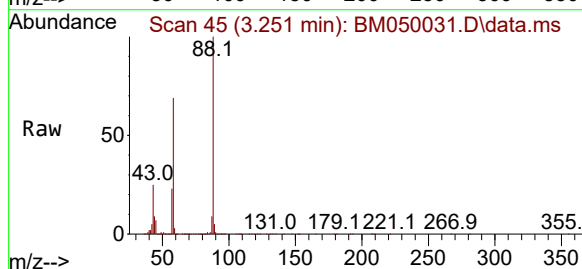
Instrument :
BNA_M
ClientSampleId :
SSTDICC080

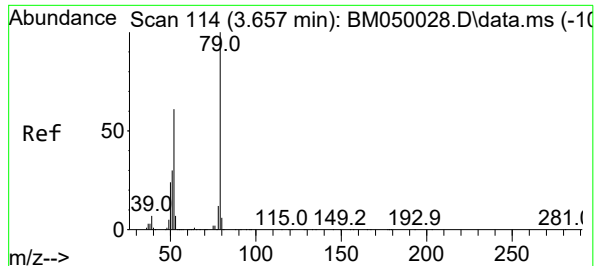
Tgt Ion:152 Resp: 251380
Ion Ratio Lower Upper
152 100
150 151.7 124.1 186.1
115 50.6 41.2 61.8



#2
1,4-Dioxane
Concen: 77.317 ng
RT: 3.251 min Scan# 45
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion: 88 Resp: 475912
Ion Ratio Lower Upper
88 100
58 68.0 55.1 82.7
43 25.3 20.9 31.3

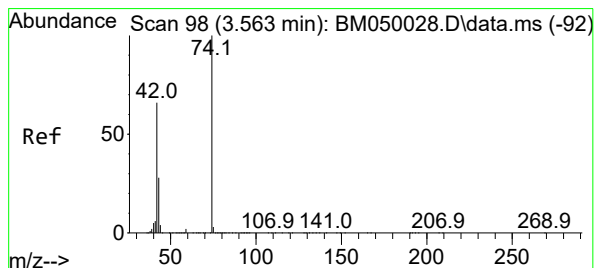
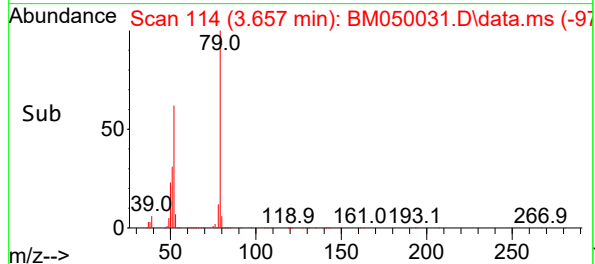
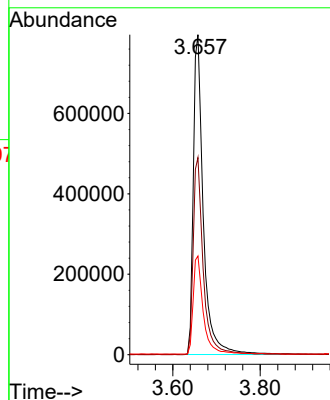
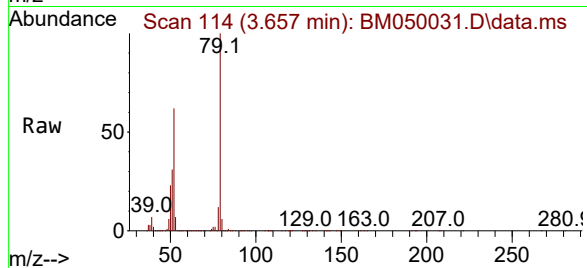




#3
Pyridine
Concen: 80.171 ng
RT: 3.657 min Scan# 114
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

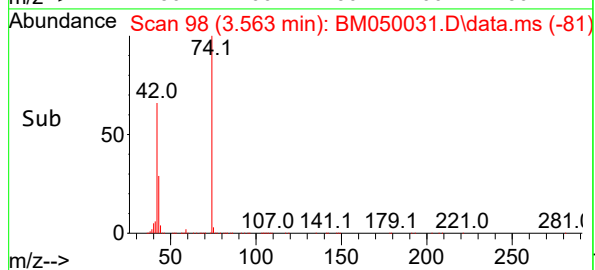
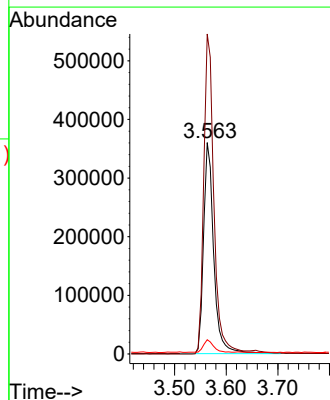
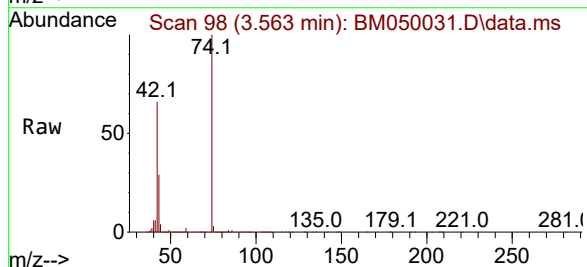
Instrument :
BNA_M
ClientSampleId :
SSTDICC080

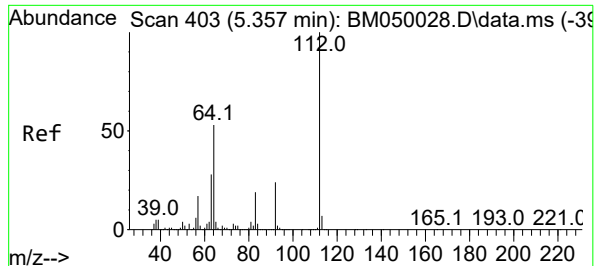
Tgt Ion: 79 Resp: 1267903
Ion Ratio Lower Upper
79 100
52 61.6 48.6 72.8
51 30.8 24.6 37.0



#4
n-Nitrosodimethylamine
Concen: 79.400 ng
RT: 3.563 min Scan# 98
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion: 42 Resp: 492501
Ion Ratio Lower Upper
42 100
74 151.4 120.2 180.2
44 6.8 6.2 9.2

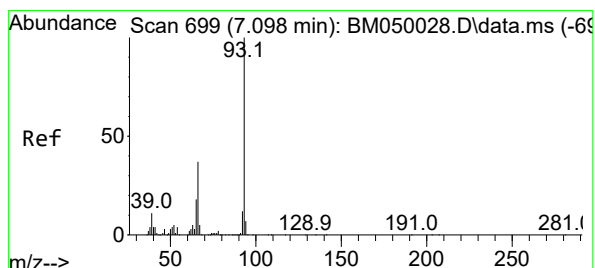
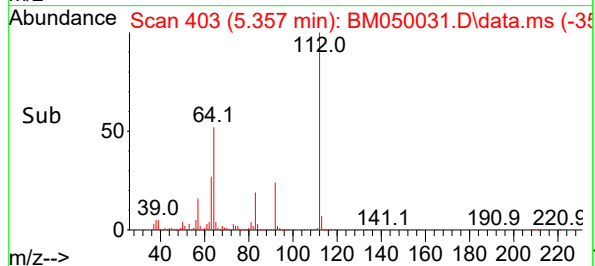
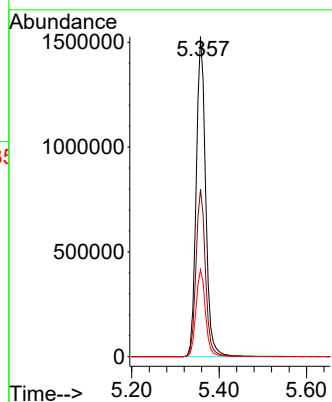
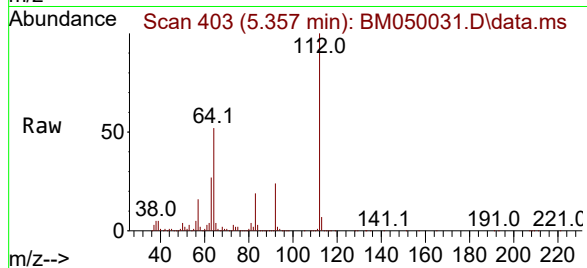




#5
2-Fluorophenol
Concen: 160.027 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

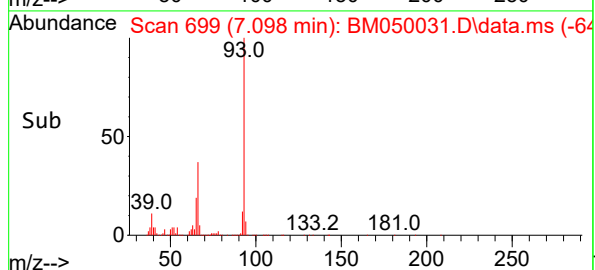
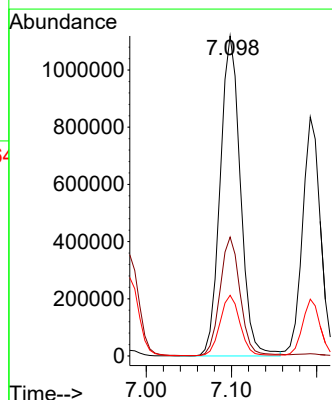
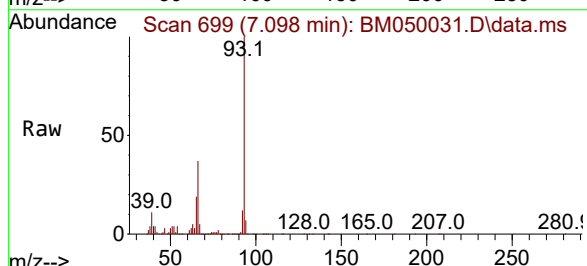
Instrument :
BNA_M
ClientSampleId :
SSTDICC080

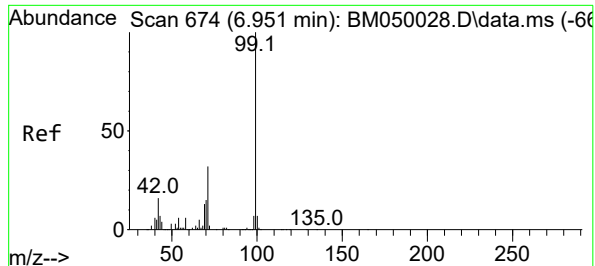
Tgt Ion:112 Resp: 2297313
Ion Ratio Lower Upper
112 100
64 52.3 42.6 64.0
63 27.2 22.2 33.4



#6
Aniline
Concen: 80.979 ng
RT: 7.098 min Scan# 699
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion: 93 Resp: 1845033
Ion Ratio Lower Upper
93 100
66 37.2 29.9 44.9
65 19.0 14.5 21.7

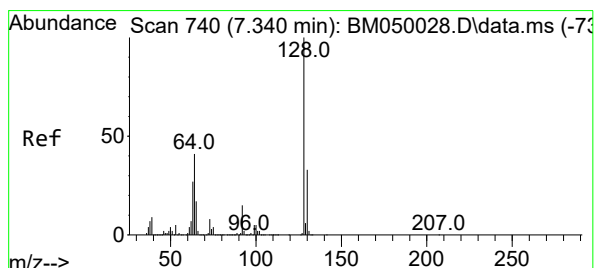
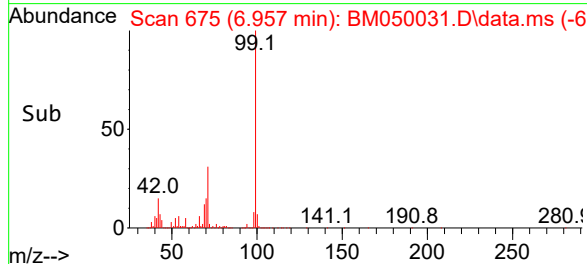
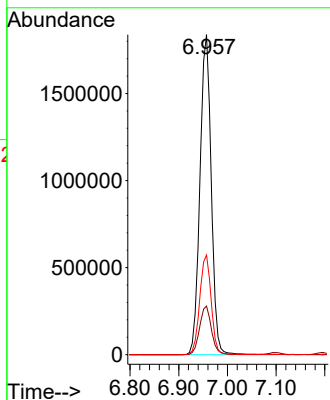
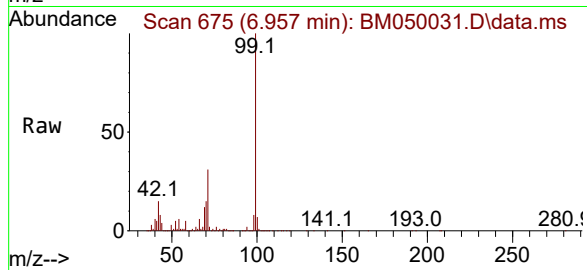




#7
Phenol-d6
Concen: 163.719 ng
RT: 6.957 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

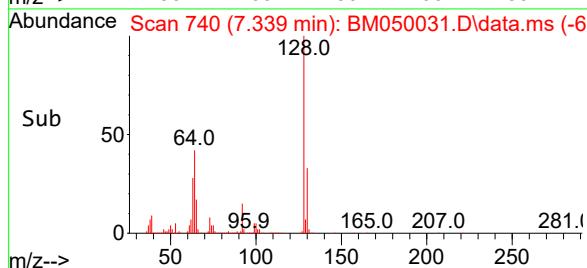
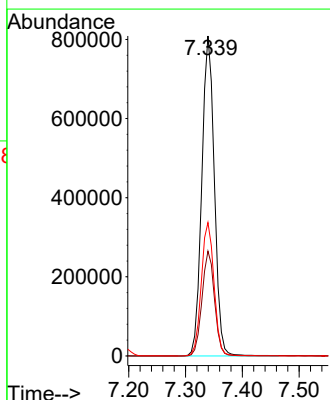
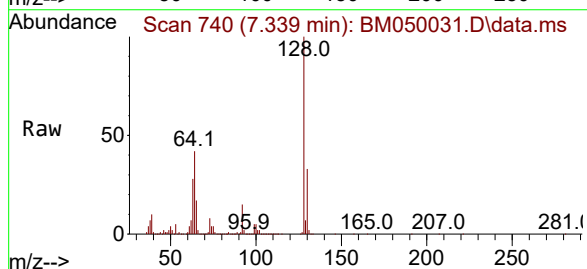
Instrument :
BNA_M
ClientSampleId :
SSTDICC080

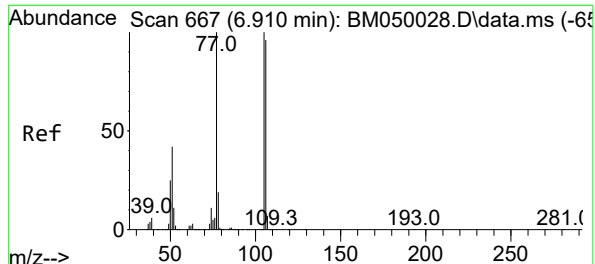
Tgt Ion: 99 Resp: 2954036
Ion Ratio Lower Upper
99 100
42 15.2 13.0 19.4
71 31.1 25.6 38.4



#8
2-Chlorophenol
Concen: 79.998 ng
RT: 7.339 min Scan# 740
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:128 Resp: 1241711
Ion Ratio Lower Upper
128 100
130 32.8 12.8 52.8
64 41.7 21.2 61.2

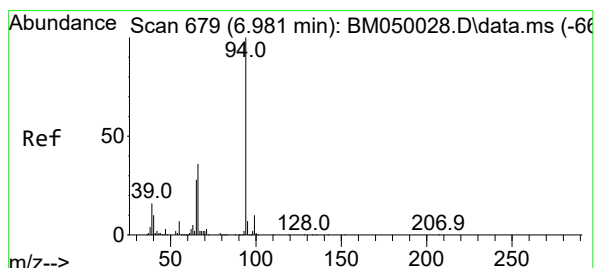
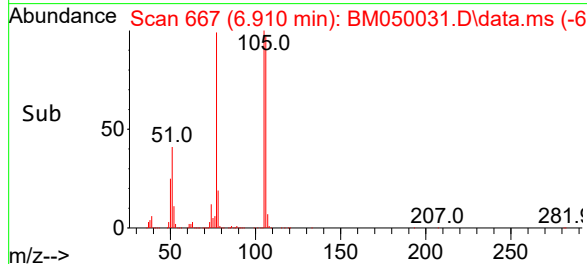
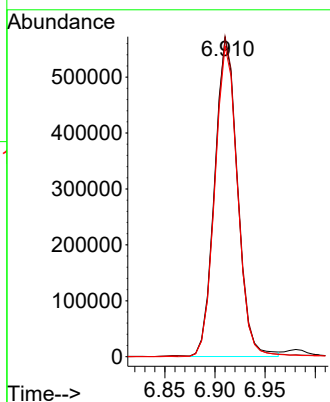
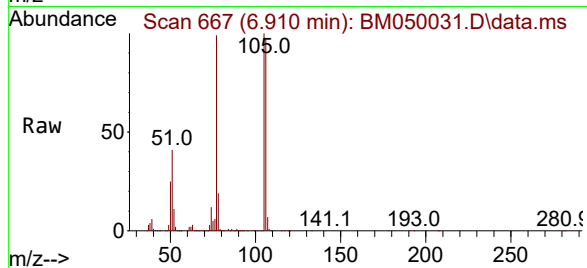




#9
Benzaldehyde
Concen: 74.544 ng
RT: 6.910 min Scan# 667
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

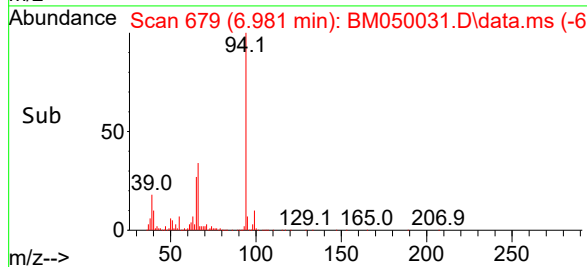
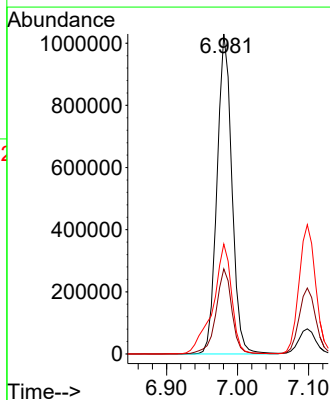
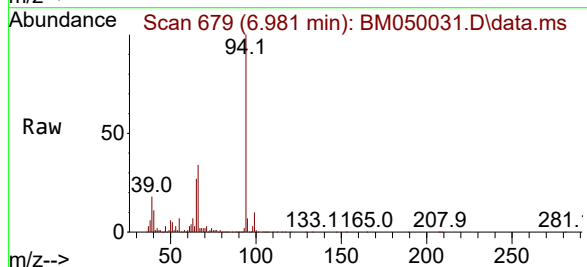
Instrument :
BNA_M
ClientSampleId :
SSTDICC080

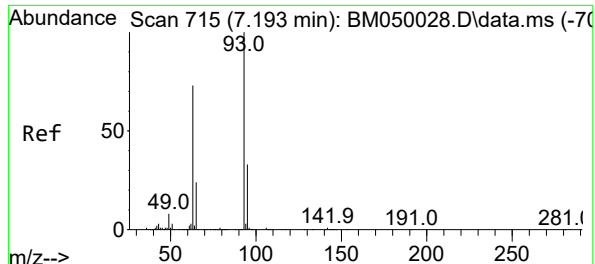
Tgt Ion: 77 Resp: 898993
Ion Ratio Lower Upper
77 100
105 100.5 80.5 120.5
106 97.5 76.1 116.1



#10
Phenol
Concen: 81.638 ng
RT: 6.981 min Scan# 679
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion: 94 Resp: 1491194
Ion Ratio Lower Upper
94 100
65 26.6 7.6 47.6
66 34.4 15.8 55.8





#11

bis(2-Chloroethyl)ether

Concen: 80.283 ng

RT: 7.192 min Scan# 715

Delta R.T. -0.000 min

Lab File: BM050031.D

Acq: 28 Apr 2025 17:04

Instrument :

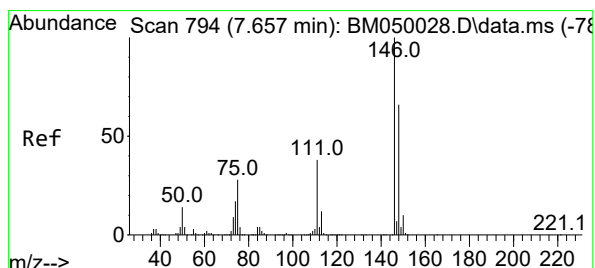
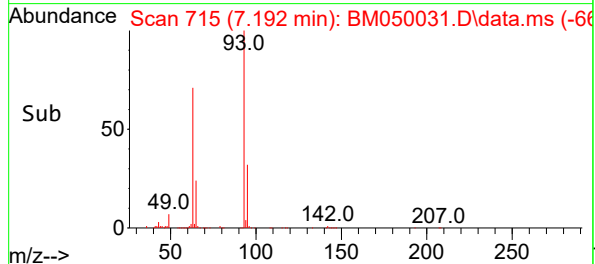
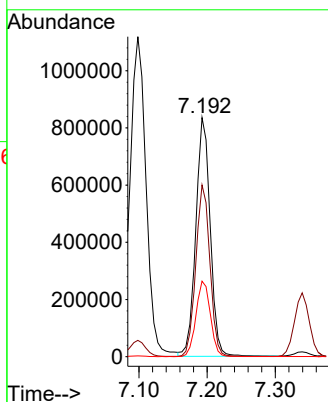
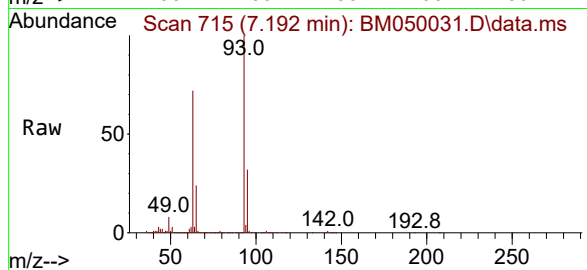
BNA_M

ClientSampleId :

SSTDICC080

Tgt Ion: 93 Resp: 1224517

Ion	Ratio	Lower	Upper
93	100		
63	71.8	52.3	92.3
95	31.6	12.8	52.8



#12

1,3-Dichlorobenzene

Concen: 77.912 ng

RT: 7.657 min Scan# 794

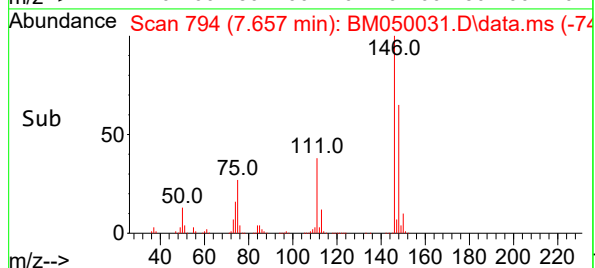
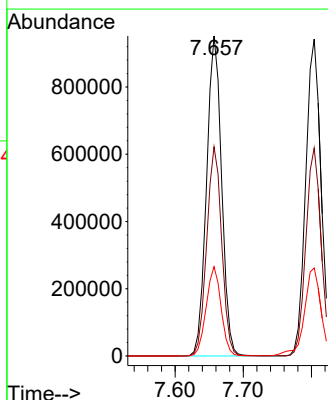
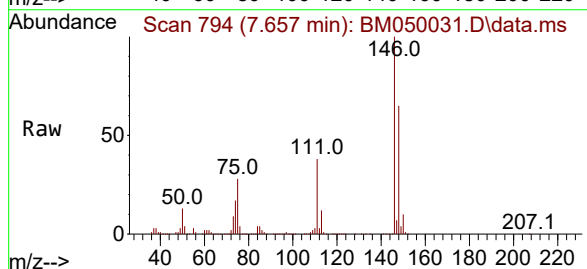
Delta R.T. -0.000 min

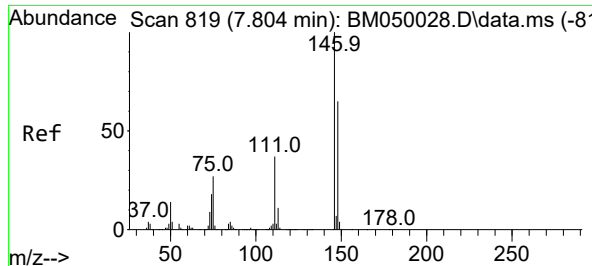
Lab File: BM050031.D

Acq: 28 Apr 2025 17:04

Tgt Ion:146 Resp: 1460820

Ion	Ratio	Lower	Upper
146	100		
148	65.3	52.5	78.7
75	27.9	22.6	34.0





#13

1,4-Dichlorobenzene

Concen: 77.822 ng

RT: 7.804 min Scan# 819

Delta R.T. -0.000 min

Lab File: BM050031.D

Acq: 28 Apr 2025 17:04

Instrument :

BNA_M

ClientSampleId :

SSTDICC080

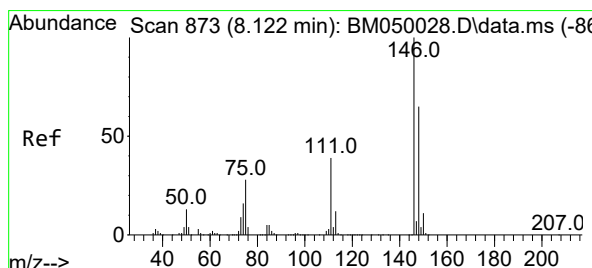
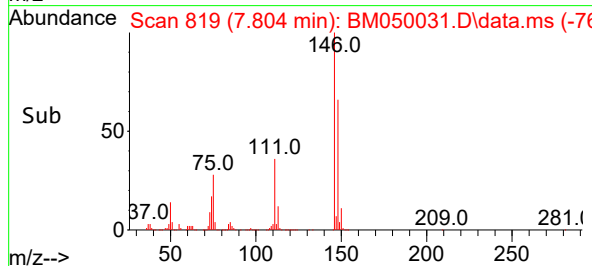
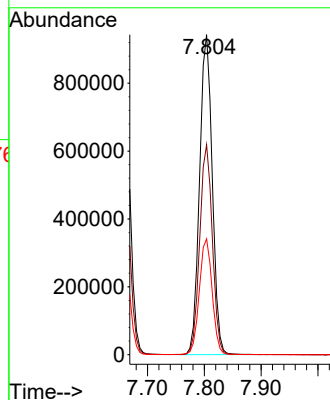
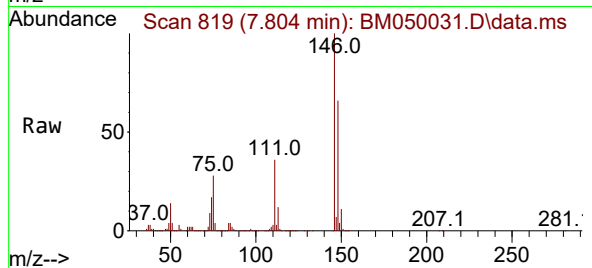
Tgt Ion:146 Resp: 1465881

Ion Ratio Lower Upper

146 100

148 65.6 52.2 78.2

111 36.2 29.3 43.9



#14

1,2-Dichlorobenzene

Concen: 77.618 ng

RT: 8.122 min Scan# 873

Delta R.T. -0.000 min

Lab File: BM050031.D

Acq: 28 Apr 2025 17:04

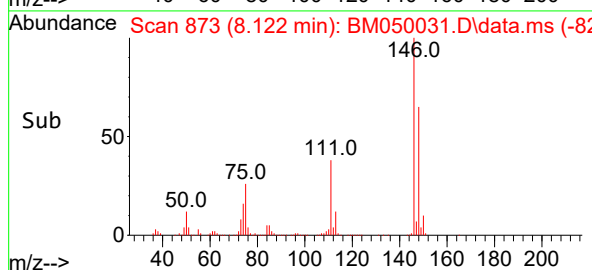
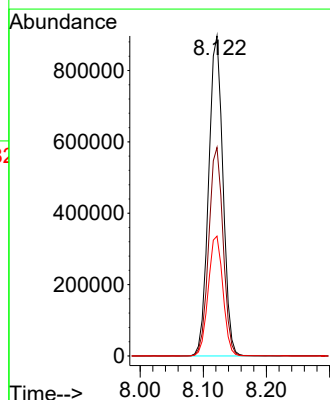
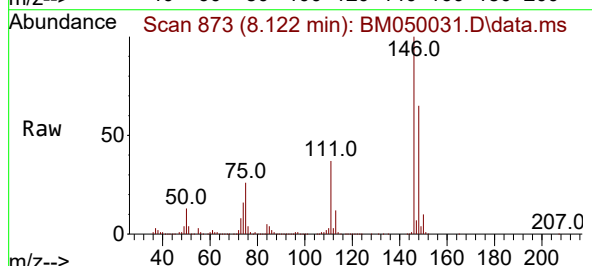
Tgt Ion:146 Resp: 1412270

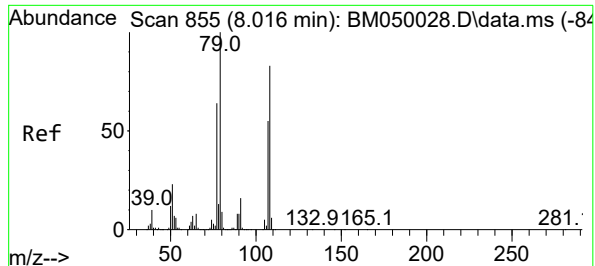
Ion Ratio Lower Upper

146 100

148 65.2 52.4 78.6

111 37.5 31.0 46.6





#15

Benzyl Alcohol

Concen: 84.339 ng

RT: 8.016 min Scan# 855

Delta R.T. -0.000 min

Lab File: BM050031.D

Acq: 28 Apr 2025 17:04

Instrument :

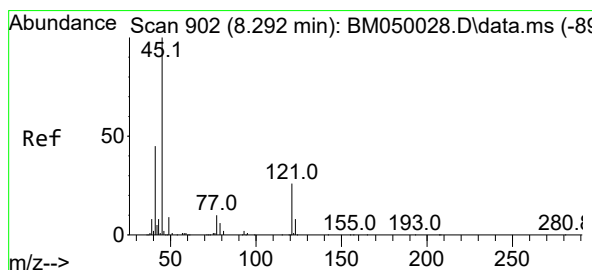
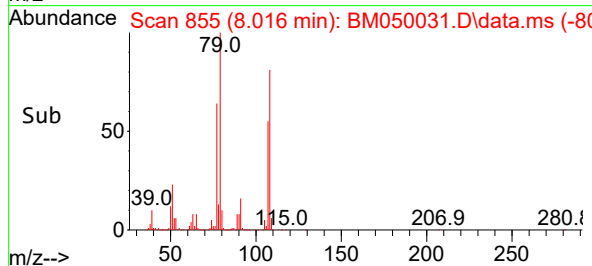
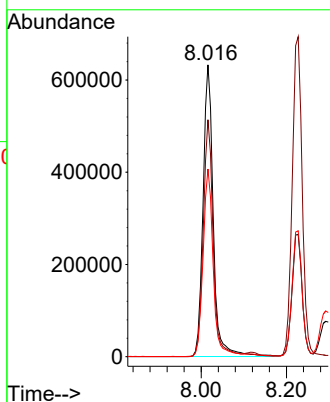
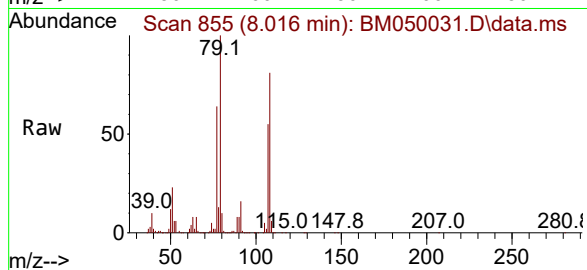
BNA_M

ClientSampleId :

SSTDICC080

Tgt Ion: 79 Resp: 1055328

Ion	Ratio	Lower	Upper
79	100		
108	81.2	66.0	99.0
77	64.3	51.6	77.4



#16

2,2'-oxybis(1-chloropropane)

Concen: 77.694 ng

RT: 8.292 min Scan# 902

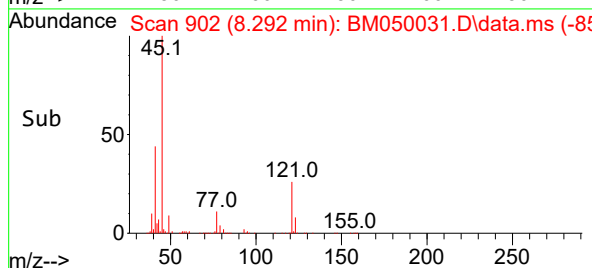
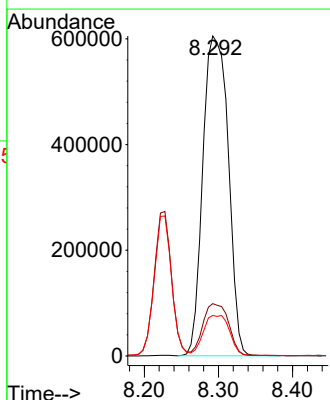
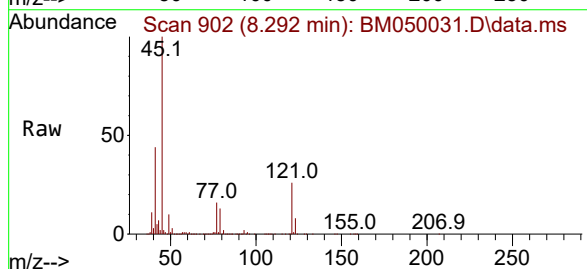
Delta R.T. -0.000 min

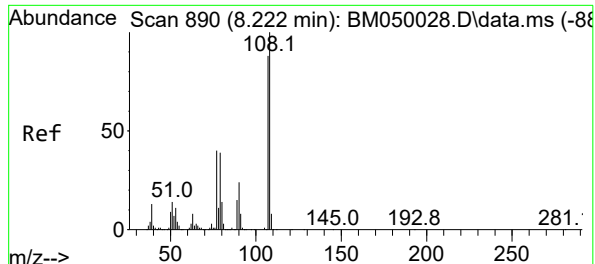
Lab File: BM050031.D

Acq: 28 Apr 2025 17:04

Tgt Ion: 45 Resp: 1440484

Ion	Ratio	Lower	Upper
45	100		
77	16.4	0.0	36.4
79	12.7	0.0	32.7





#17

2-Methylphenol

Concen: 81.473 ng

RT: 8.228 min Scan# 890

Delta R.T. 0.006 min

Lab File: BM050031.D

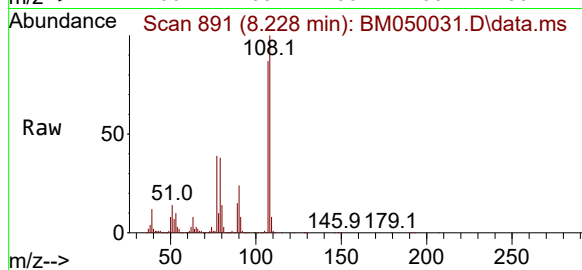
Acq: 28 Apr 2025 17:04

Instrument :

BNA_M

ClientSampleId :

SSTDICC080



Tgt Ion:107 Resp: 980375

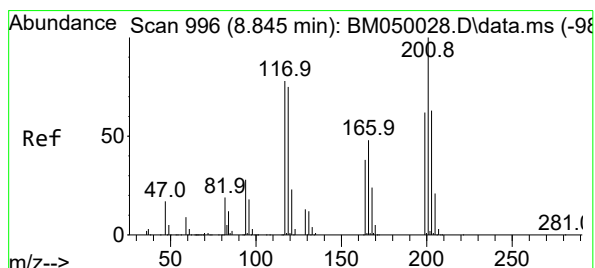
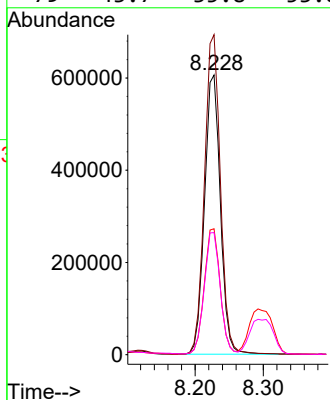
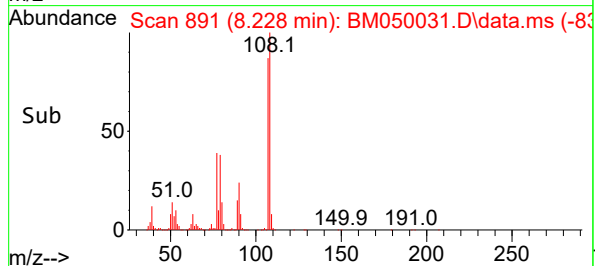
Ion Ratio Lower Upper

107 100

108 114.4 91.1 136.7

77 45.1 36.2 54.4

79 43.7 35.8 53.8



#18

Hexachloroethane

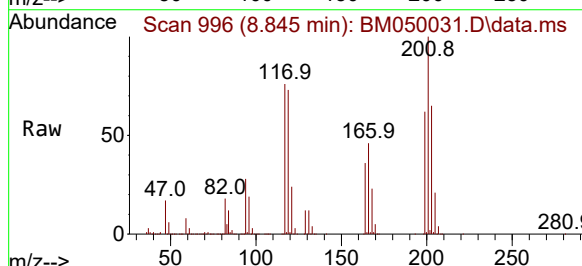
Concen: 76.632 ng

RT: 8.845 min Scan# 996

Delta R.T. -0.000 min

Lab File: BM050031.D

Acq: 28 Apr 2025 17:04



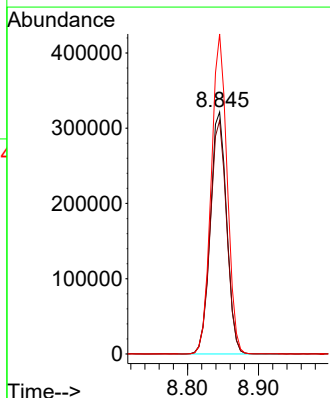
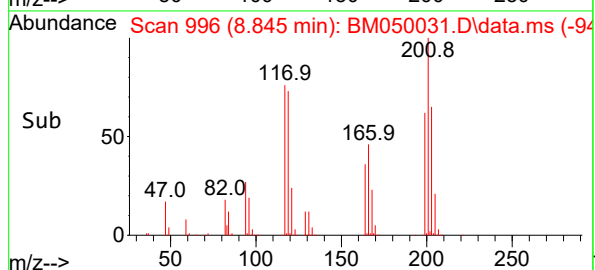
Tgt Ion:117 Resp: 513126

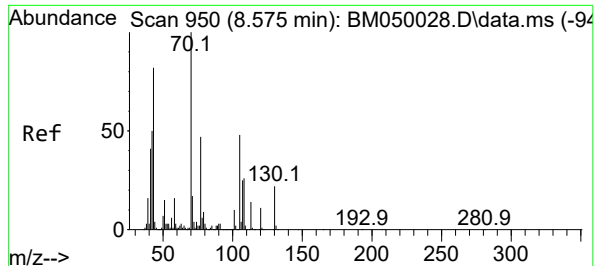
Ion Ratio Lower Upper

117 100

119 96.5 77.3 115.9

201 132.3 102.8 154.2





#19

n-Nitroso-di-n-propylamine

Concen: 80.665 ng

RT: 8.581 min Scan# 951

Delta R.T. 0.006 min

Lab File: BM050031.D

Acq: 28 Apr 2025 17:04

Instrument :

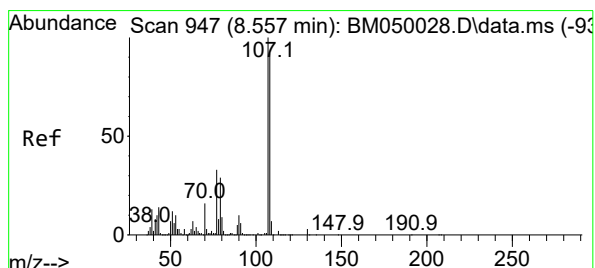
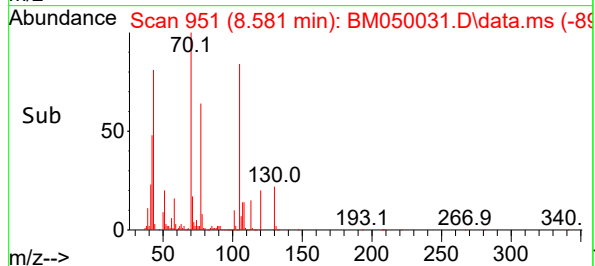
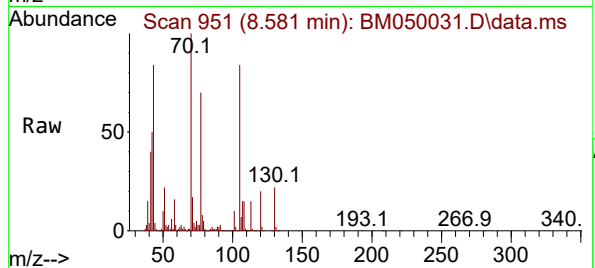
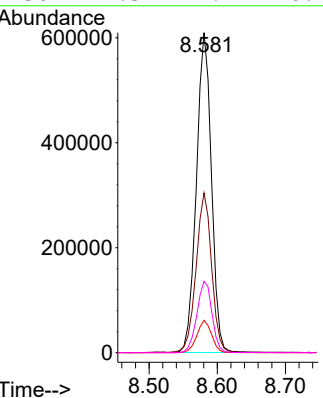
BNA_M

ClientSampleId :

SSTDICC080

Tgt Ion: 70 Resp: 933468

Ion	Ratio	Lower	Upper
70	100		
42	49.9	40.5	60.7
101	10.1	7.8	11.6
130	22.3	17.4	26.2



#20

3+4-Methylphenols

Concen: 82.965 ng

RT: 8.557 min Scan# 947

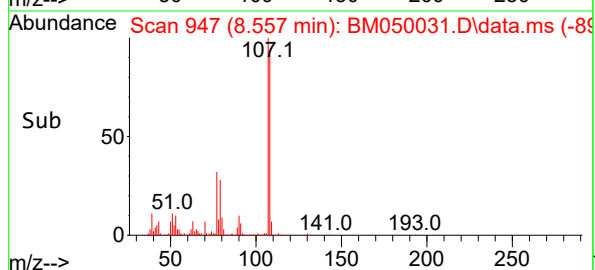
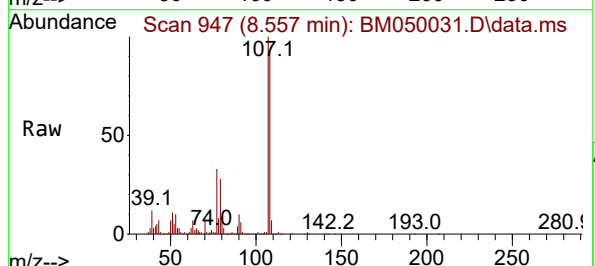
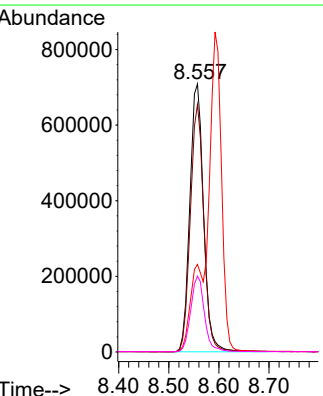
Delta R.T. -0.000 min

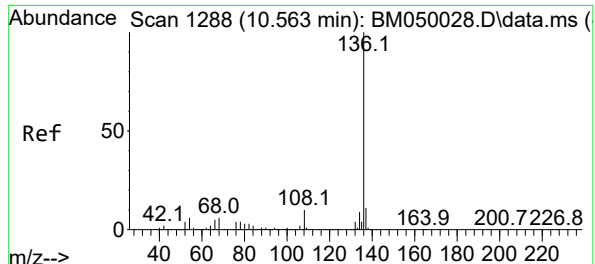
Lab File: BM050031.D

Acq: 28 Apr 2025 17:04

Tgt Ion:107 Resp: 1348190

Ion	Ratio	Lower	Upper
107	100		
108	92.3	72.4	112.4
77	32.6	13.6	53.6
79	28.3	9.2	49.2

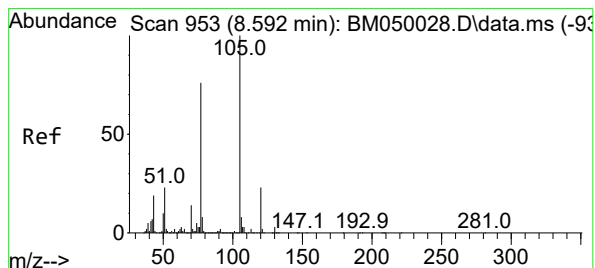
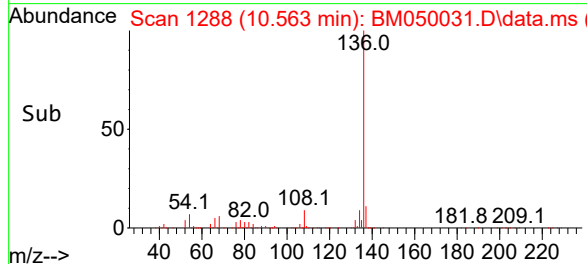
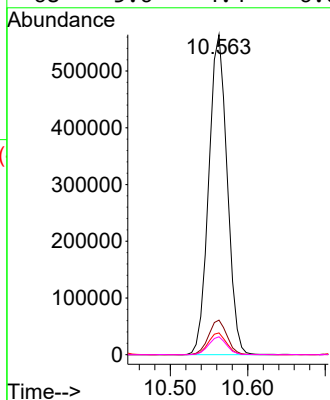
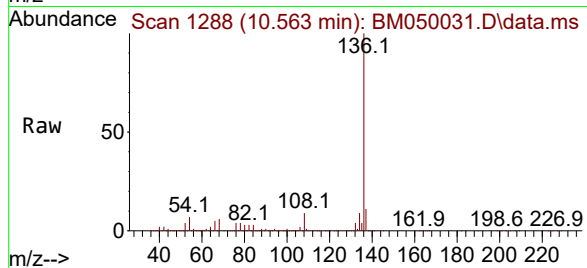




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1288
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

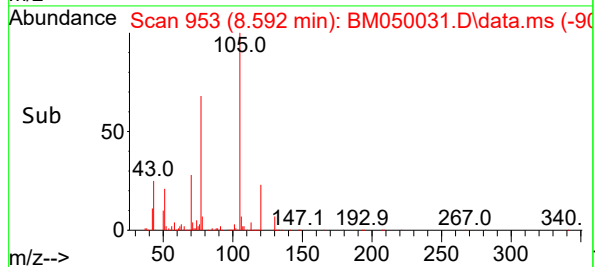
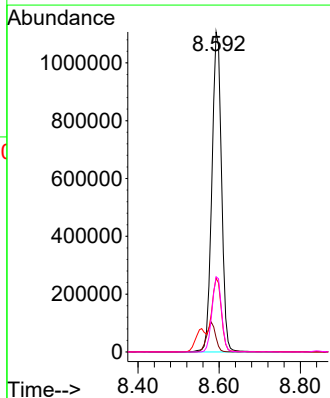
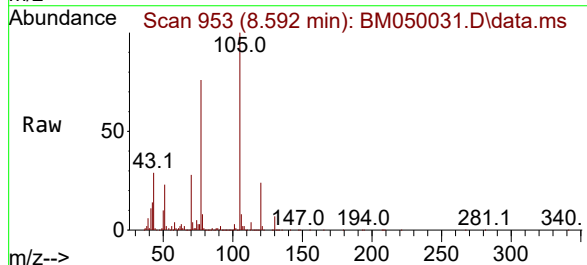
Instrument :
BNA_M
ClientSampleId :
SSTDICC080

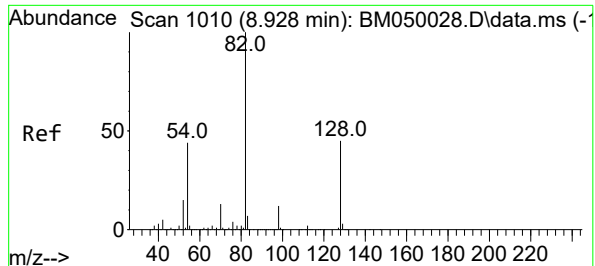
Tgt Ion:136 Resp: 931435
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 6.8 5.1 7.7
68 5.6 4.4 6.6



#22
Acetophenone
Concen: 78.406 ng
RT: 8.592 min Scan# 953
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:105 Resp: 1815657
Ion Ratio Lower Upper
105 100
71 4.4 1.7 2.5#
51 23.0 18.6 27.8
120 23.5 18.3 27.5





#23

Nitrobenzene-d5

Concen: 157.875 ng

RT: 8.933 min Scan# 1011

Delta R.T. 0.006 min

Lab File: BM050031.D

Acq: 28 Apr 2025 17:04

Instrument :

BNA_M

ClientSampleId :

SSTDICC080

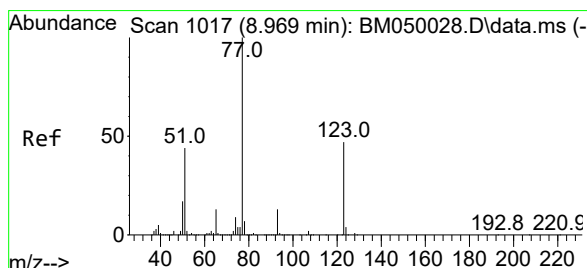
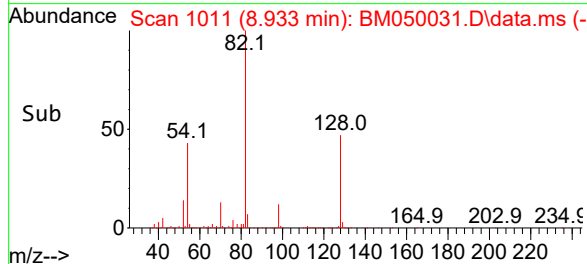
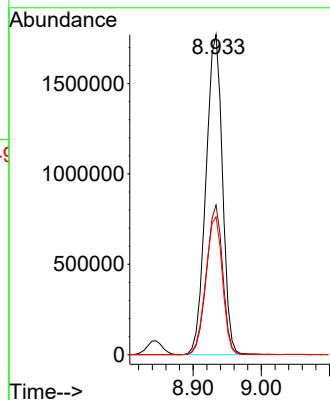
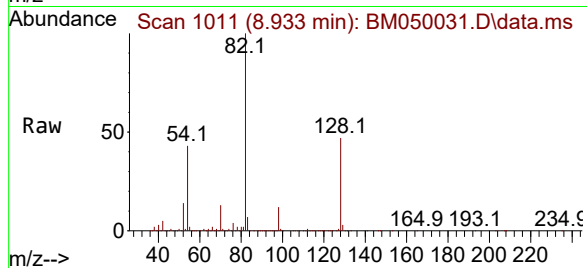
Tgt Ion: 82 Resp: 2984192

Ion Ratio Lower Upper

82 100

128 46.8 35.7 53.5

54 43.1 35.4 53.2



#24

Nitrobenzene

Concen: 78.871 ng

RT: 8.975 min Scan# 1018

Delta R.T. 0.006 min

Lab File: BM050031.D

Acq: 28 Apr 2025 17:04

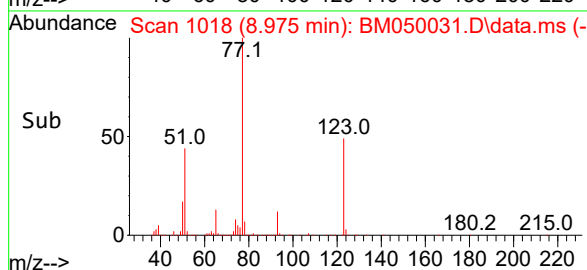
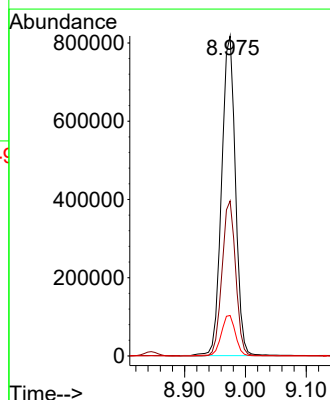
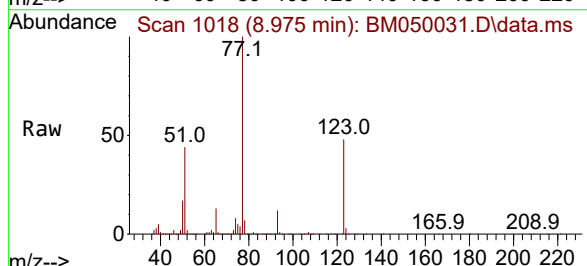
Tgt Ion: 77 Resp: 1289068

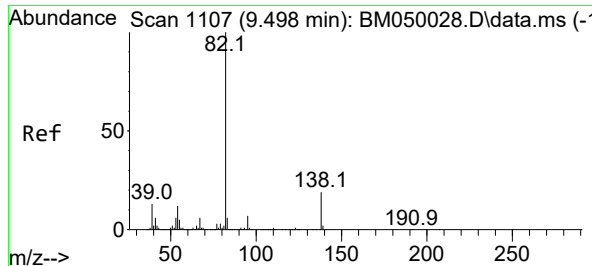
Ion Ratio Lower Upper

77 100

123 48.5 37.9 56.9

65 12.7 10.1 15.1

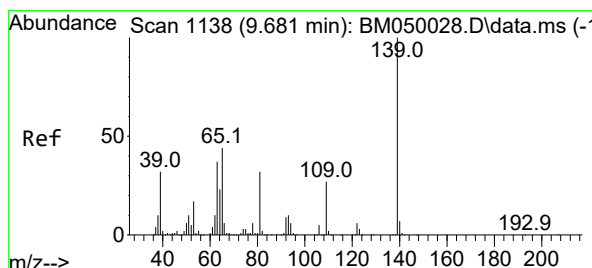
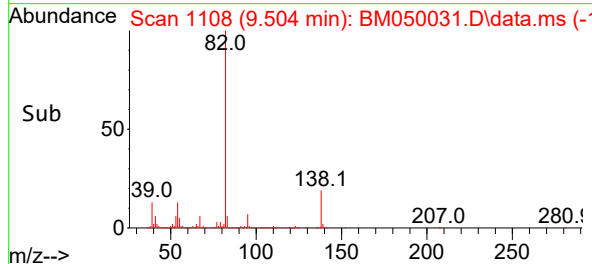
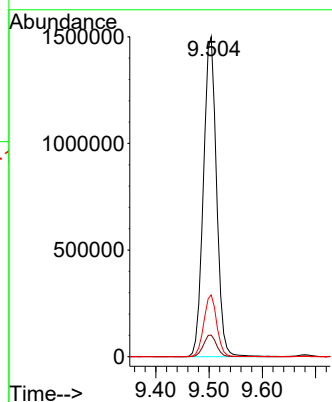
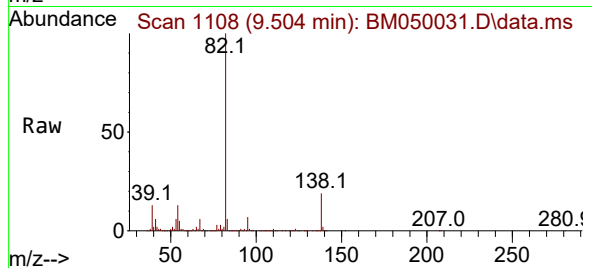




#25
Isophorone
Concen: 79.430 ng
RT: 9.504 min Scan# 1107
Delta R.T. 0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

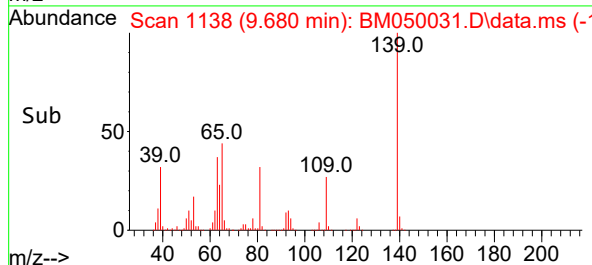
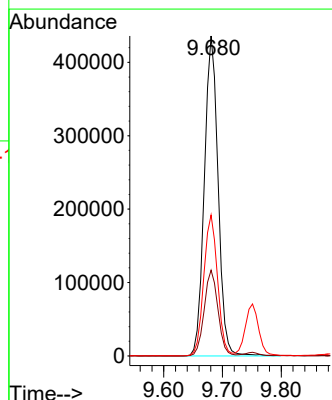
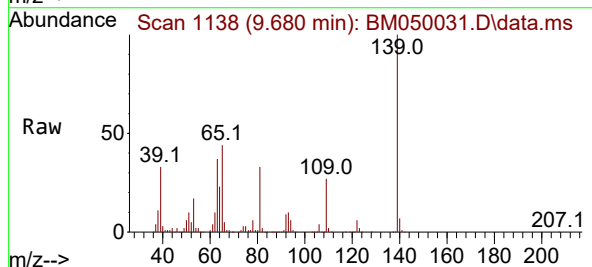
Instrument :
BNA_M
ClientSampleId :
SSTDICC080

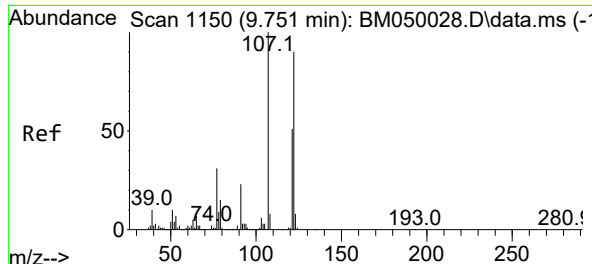
Tgt Ion: 82 Resp: 2559279
Ion Ratio Lower Upper
82 100
95 6.7 5.7 8.5
138 19.3 15.5 23.3



#26
2-Nitrophenol
Concen: 85.053 ng
RT: 9.680 min Scan# 1138
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion: 139 Resp: 710174
Ion Ratio Lower Upper
139 100
109 26.8 21.9 32.9
65 44.0 35.4 53.2

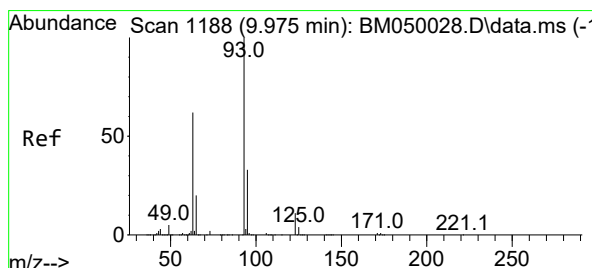
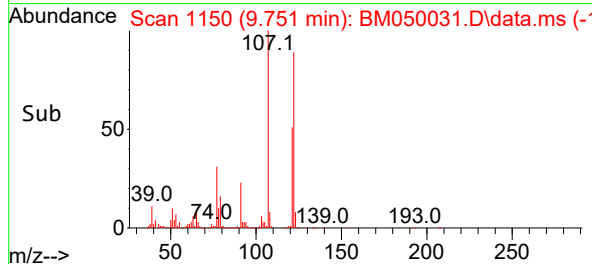
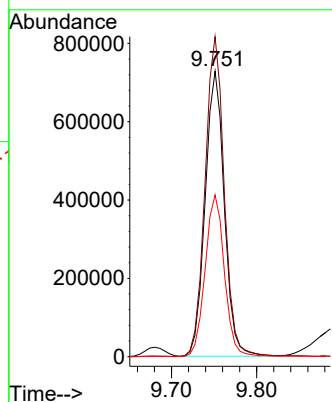
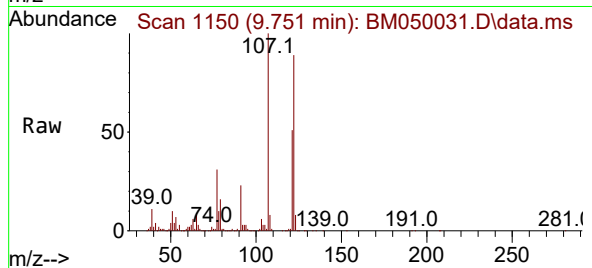




#27
2,4-Dimethylphenol
Concen: 82.043 ng
RT: 9.751 min Scan# 1150
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

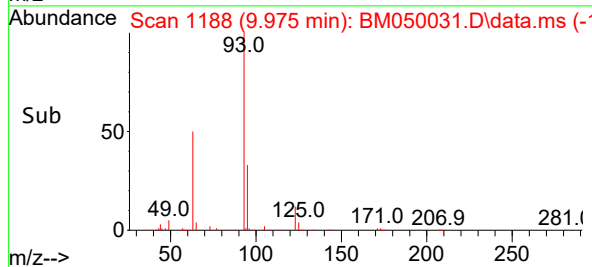
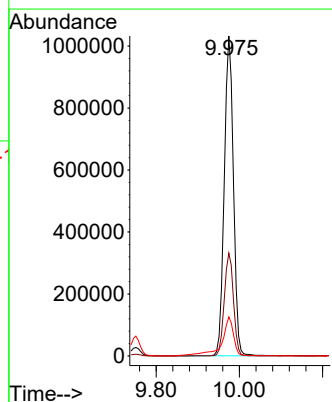
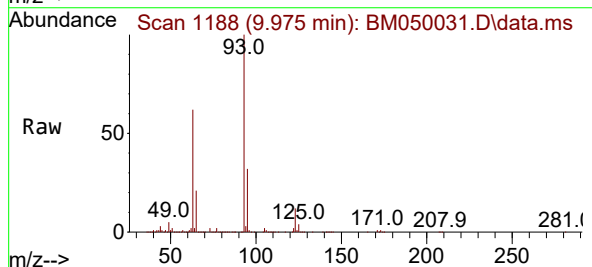
Instrument :
BNA_M
ClientSampleId :
SSTDICC080

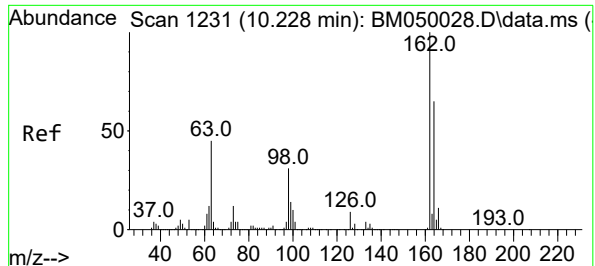
Tgt Ion:122 Resp: 1136040
Ion Ratio Lower Upper
122 100
107 112.1 89.0 133.6
121 56.7 45.6 68.4



#28
bis(2-Chloroethoxy)methane
Concen: 79.437 ng
RT: 9.975 min Scan# 1188
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion: 93 Resp: 1581985
Ion Ratio Lower Upper
93 100
95 32.2 26.1 39.1
123 12.2 9.5 14.3





#29

2,4-Dichlorophenol

Concen: 82.243 ng

RT: 10.222 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM050031.D

Acq: 28 Apr 2025 17:04

Instrument :

BNA_M

ClientSampleId :

SSTDICC080

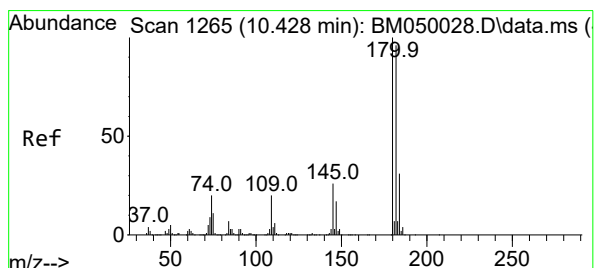
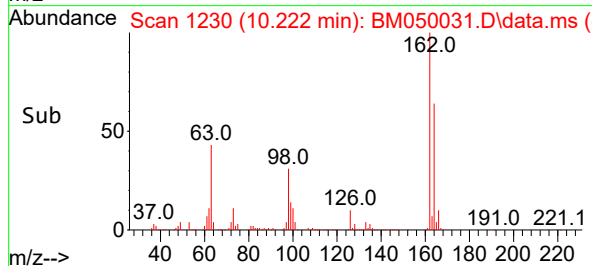
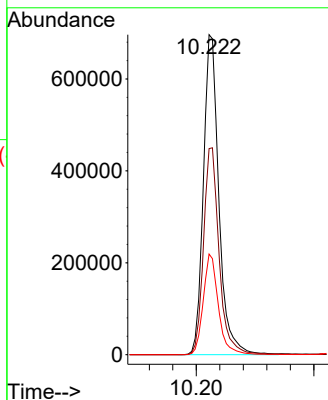
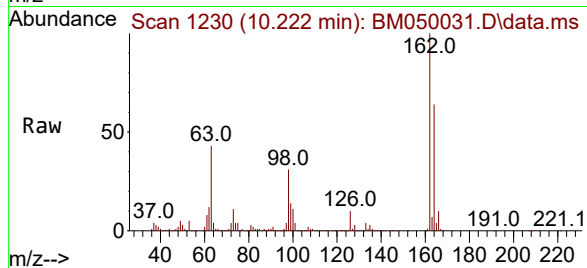
Tgt Ion:162 Resp: 1275806

Ion Ratio Lower Upper

162 100

164 64.4 45.4 85.4

98 31.4 11.3 51.3



#30

1,2,4-Trichlorobenzene

Concen: 78.590 ng

RT: 10.427 min Scan# 1265

Delta R.T. -0.000 min

Lab File: BM050031.D

Acq: 28 Apr 2025 17:04

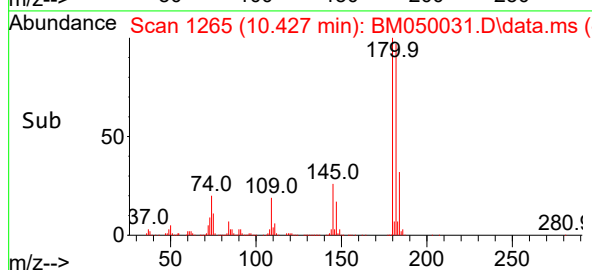
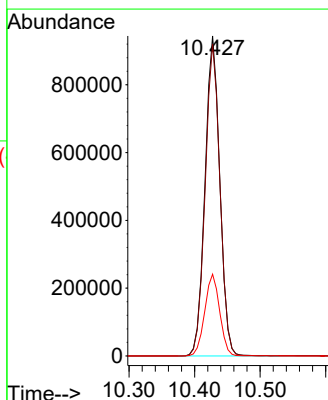
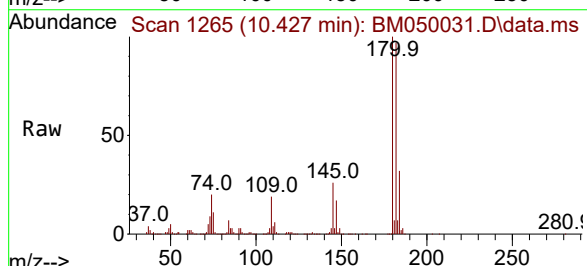
Tgt Ion:180 Resp: 1485344

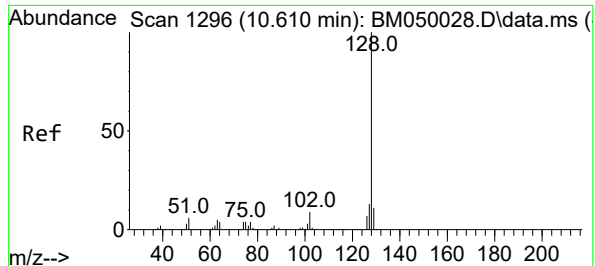
Ion Ratio Lower Upper

180 100

182 97.5 77.0 115.4

145 25.6 20.6 30.8





#31

Naphthalene

Concen: 78.143 ng

RT: 10.610 min Scan# 1184

Delta R.T. -0.000 min

Lab File: BM050031.D

Acq: 28 Apr 2025 17:04

Instrument :

BNA_M

ClientSampleId :

SSTDICC080

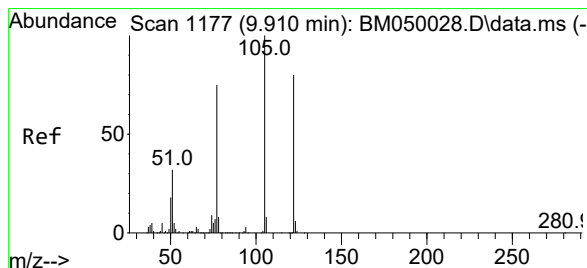
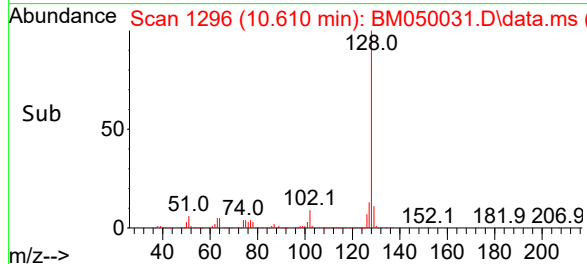
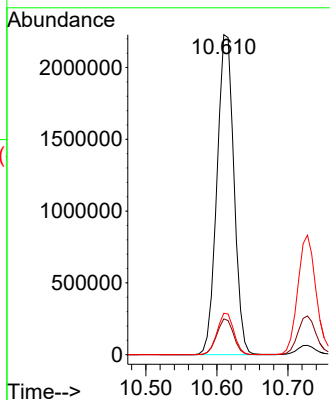
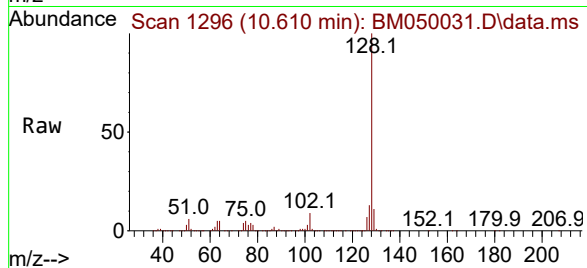
Tgt Ion:128 Resp: 3686066

Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

127 13.0 10.4 15.6



#32

Benzoic acid

Concen: 90.660 ng

RT: 9.951 min Scan# 1184

Delta R.T. 0.041 min

Lab File: BM050031.D

Acq: 28 Apr 2025 17:04

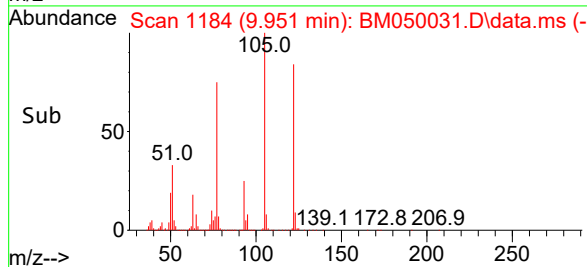
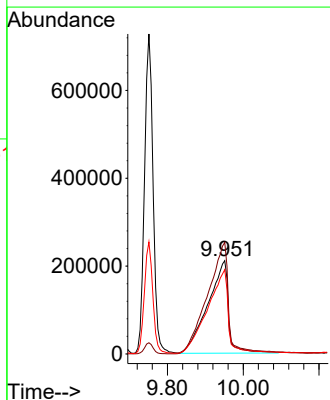
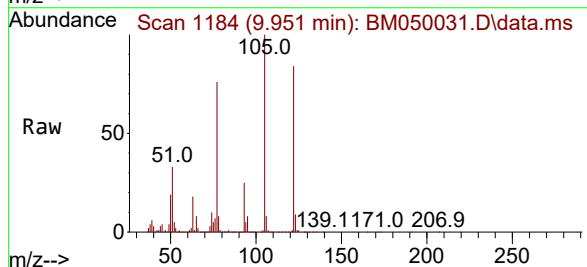
Tgt Ion:122 Resp: 800660

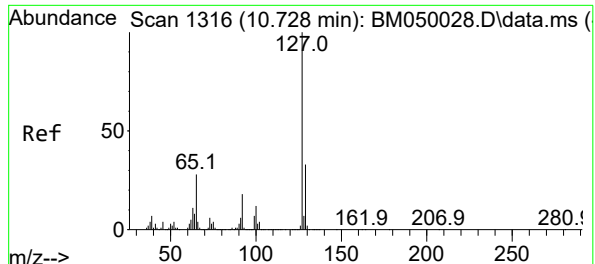
Ion Ratio Lower Upper

122 100

105 119.6 103.6 143.6

77 90.5 73.7 113.7





#33

4-Chloroaniline

Concen: 81.508 ng

RT: 10.727 min Scan# 1316

Delta R.T. -0.000 min

Lab File: BM050031.D

Acq: 28 Apr 2025 17:04

Instrument :

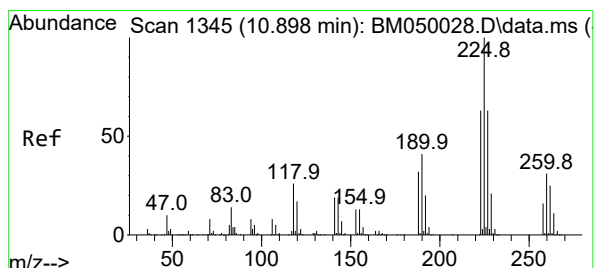
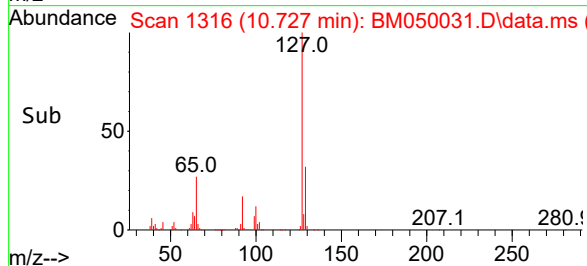
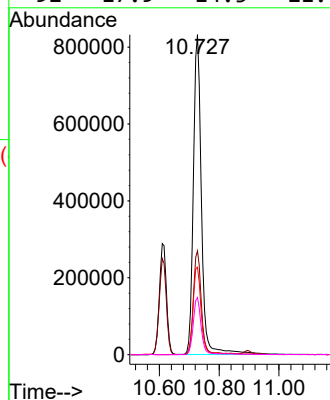
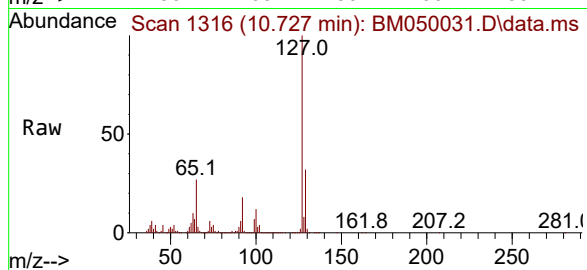
BNA_M

ClientSampleId :

SSTDICC080

Tgt Ion:127 Resp: 1575909

Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.3	39.5
65	27.3	22.5	33.7
92	17.9	14.5	21.7



#34

Hexachlorobutadiene

Concen: 80.012 ng

RT: 10.898 min Scan# 1345

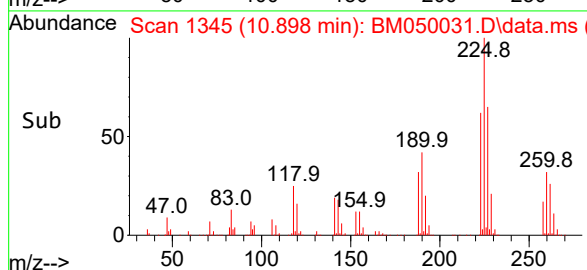
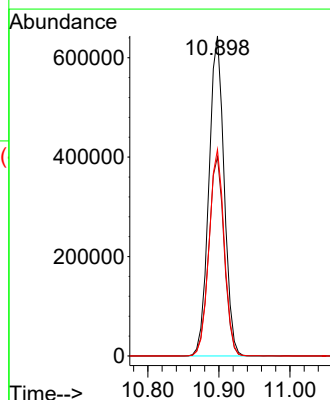
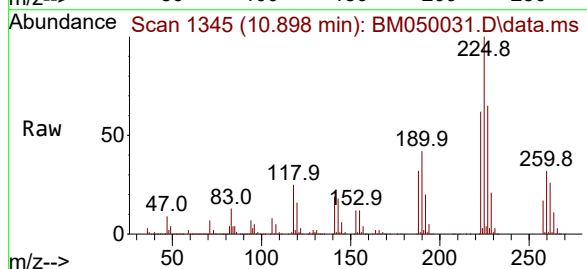
Delta R.T. -0.000 min

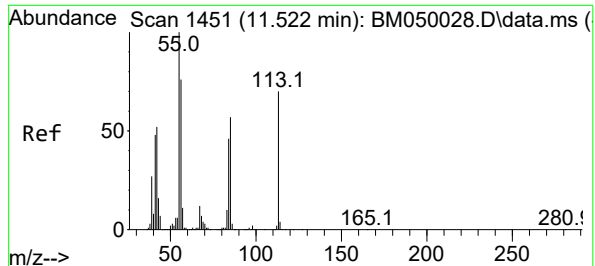
Lab File: BM050031.D

Acq: 28 Apr 2025 17:04

Tgt Ion:225 Resp: 959905

Ion	Ratio	Lower	Upper
225	100		
223	62.3	50.2	75.2
227	64.6	50.6	76.0

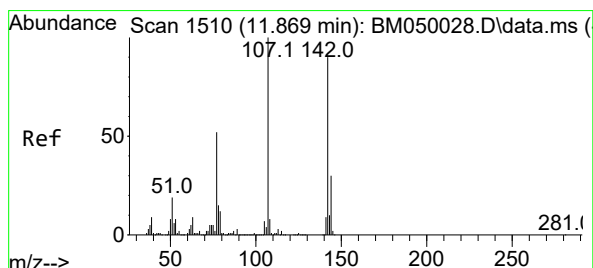
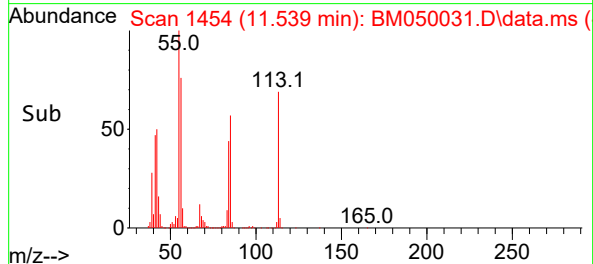
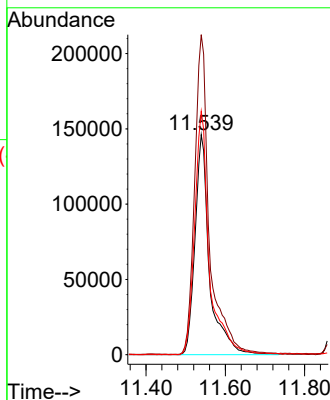
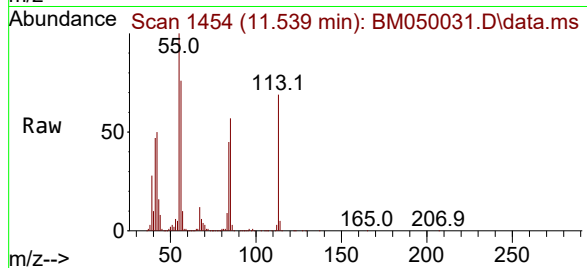




#35
Caprolactam
Concen: 82.060 ng
RT: 11.539 min Scan# 1454
Delta R.T. 0.018 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

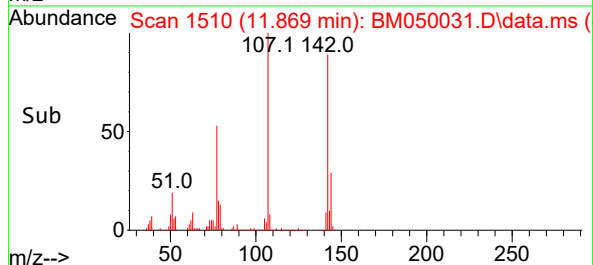
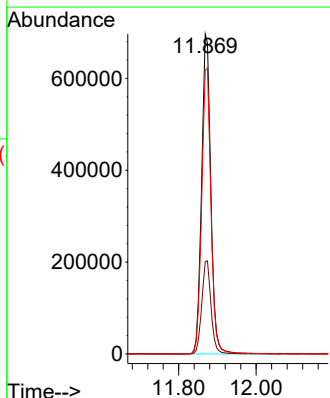
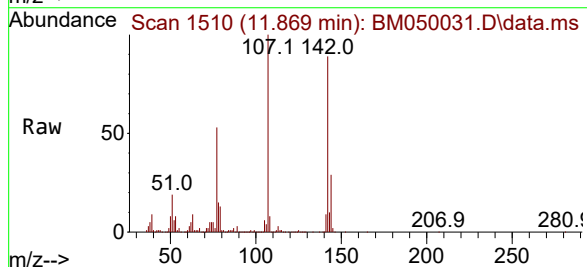
Instrument :
BNA_M
ClientSampleId :
SSTDICC080

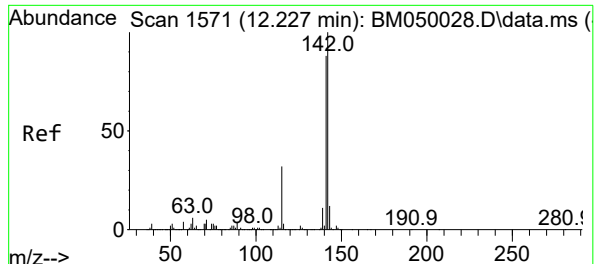
Tgt Ion:113 Resp: 371164
Ion Ratio Lower Upper
113 100
55 145.4 122.9 162.9
56 110.6 88.1 128.1



#36
4-Chloro-3-methylphenol
Concen: 80.424 ng
RT: 11.869 min Scan# 1510
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:107 Resp: 1152624
Ion Ratio Lower Upper
107 100
144 28.8 23.8 35.6
142 88.7 71.9 107.9

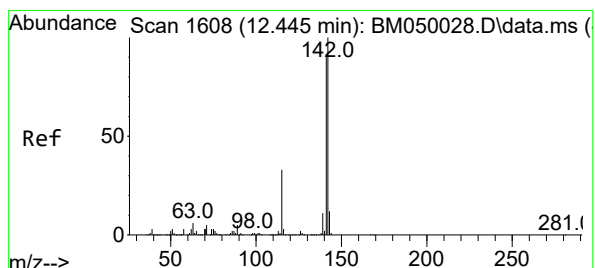
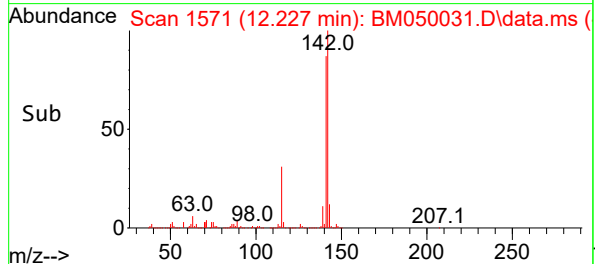
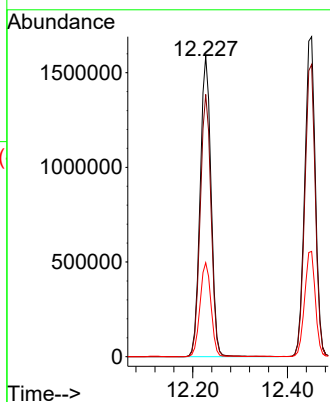
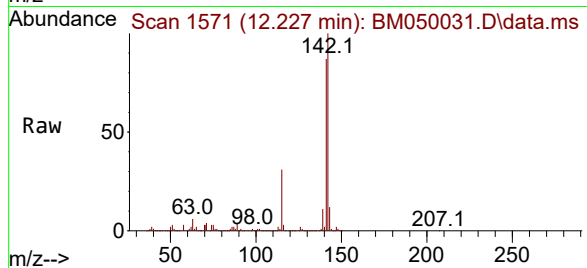




#37
2-Methylnaphthalene
Concen: 79.858 ng
RT: 12.227 min Scan# 1571
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

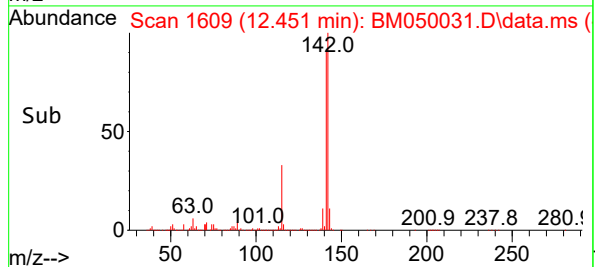
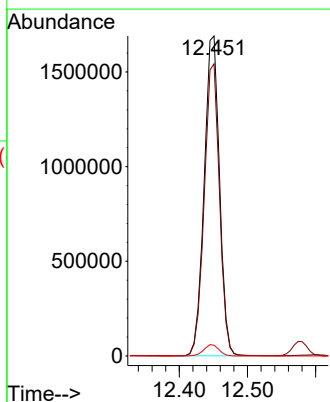
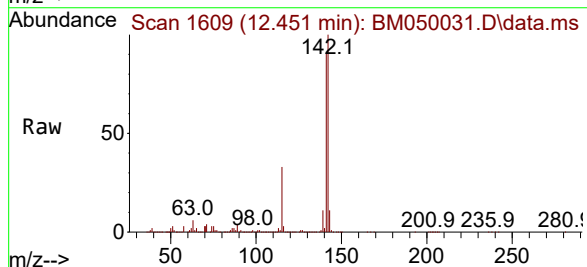
Instrument :
BNA_M
ClientSampleId :
SSTDICC080

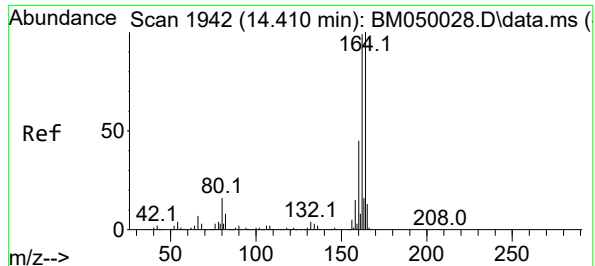
Tgt Ion:142 Resp: 2525532
Ion Ratio Lower Upper
142 100
141 87.3 70.4 105.6
115 31.2 25.4 38.2



#38
1-Methylnaphthalene
Concen: 79.045 ng
RT: 12.451 min Scan# 1609
Delta R.T. 0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:142 Resp: 2645483
Ion Ratio Lower Upper
142 100
141 91.3 72.1 108.1
116 3.4 2.7 4.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.410 min Scan# 1942

Delta R.T. -0.000 min

Lab File: BM050031.D

Acq: 28 Apr 2025 17:04

Instrument :

BNA_M

ClientSampleId :

SSTDICC080

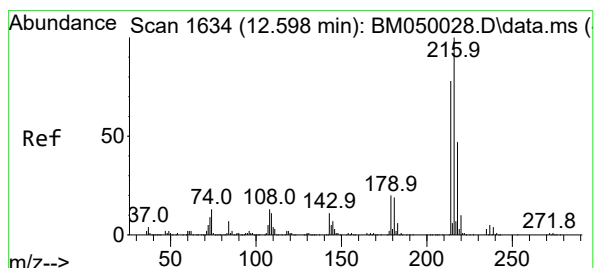
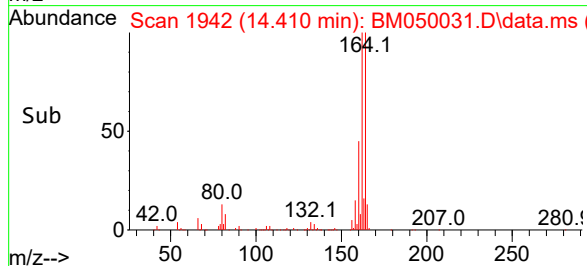
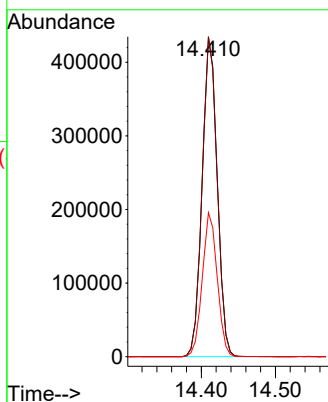
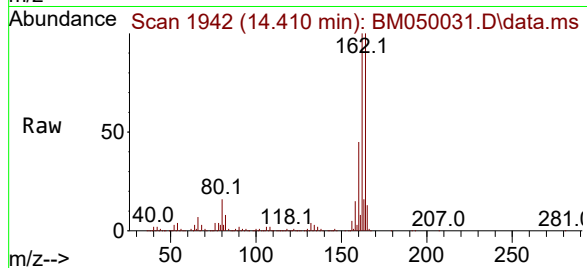
Tgt Ion:164 Resp: 613490

Ion Ratio Lower Upper

164 100

162 100.1 79.4 119.0

160 45.0 36.2 54.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 84.742 ng

RT: 12.604 min Scan# 1635

Delta R.T. 0.006 min

Lab File: BM050031.D

Acq: 28 Apr 2025 17:04

Tgt Ion:216 Resp: 1799698

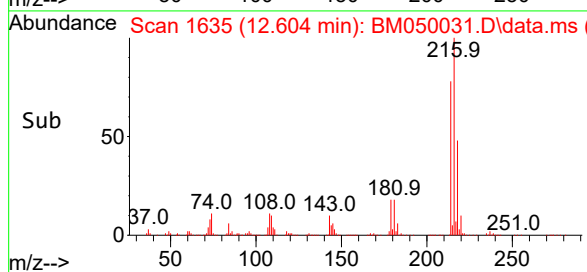
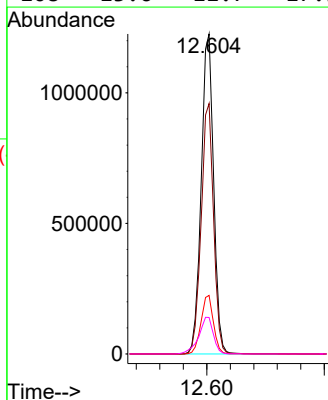
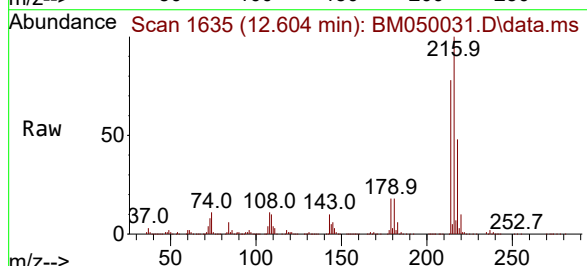
Ion Ratio Lower Upper

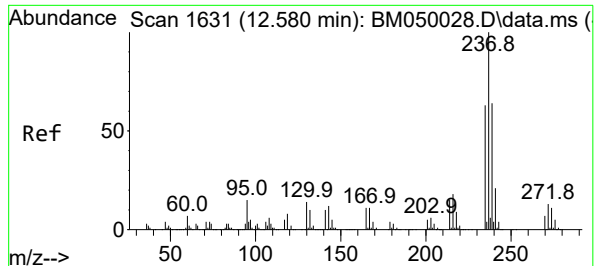
216 100

214 78.4 62.3 93.5

179 18.4 15.4 23.0

108 13.6 11.7 17.5

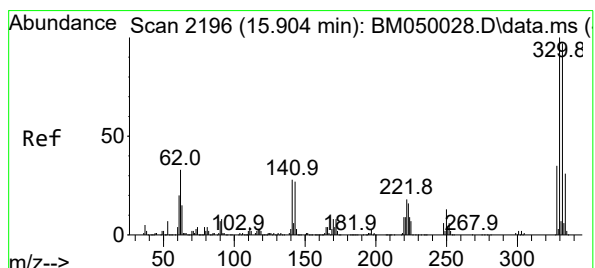
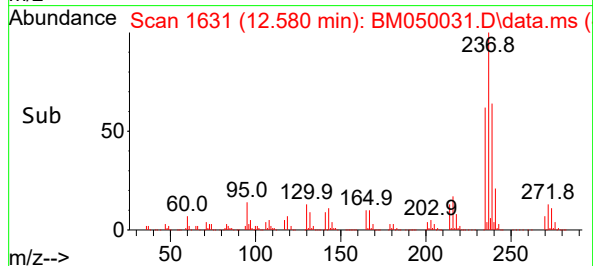
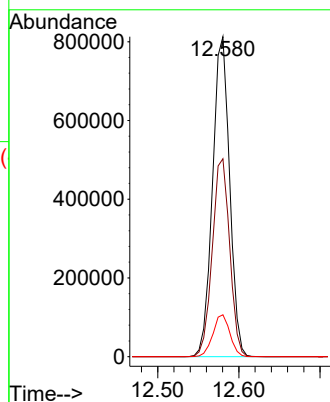
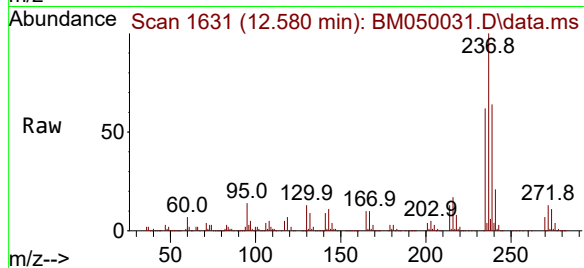




#41
Hexachlorocyclopentadiene
Concen: 91.336 ng
RT: 12.580 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

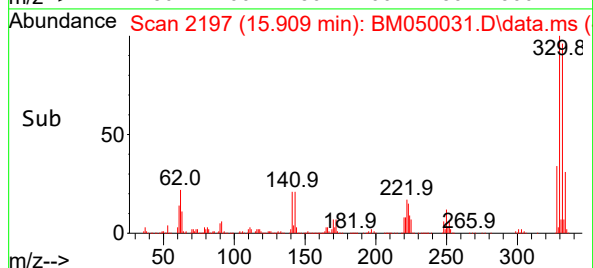
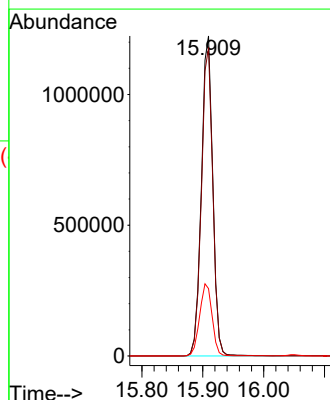
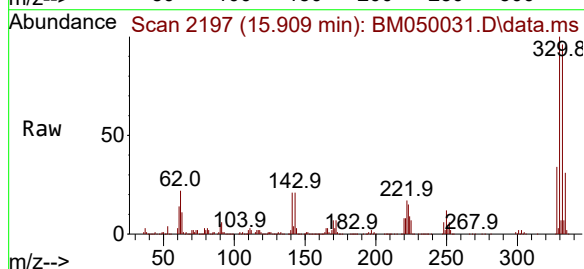
Instrument :
BNA_M
ClientSampleId :
SSTDICC080

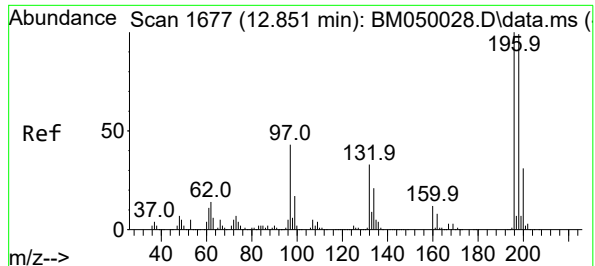
Tgt Ion:237 Resp: 1185418
Ion Ratio Lower Upper
237 100
235 61.8 42.9 82.9
272 13.1 0.0 32.9



#42
2,4,6-Tribromophenol
Concen: 174.847 ng
RT: 15.909 min Scan# 2197
Delta R.T. 0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:330 Resp: 1586083
Ion Ratio Lower Upper
330 100
332 96.5 77.3 115.9
141 24.7 22.5 33.7





#43

2,4,6-Trichlorophenol

Concen: 85.496 ng

RT: 12.851 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM050031.D

Acq: 28 Apr 2025 17:04

Instrument :

BNA_M

ClientSampleId :

SSTDICC080

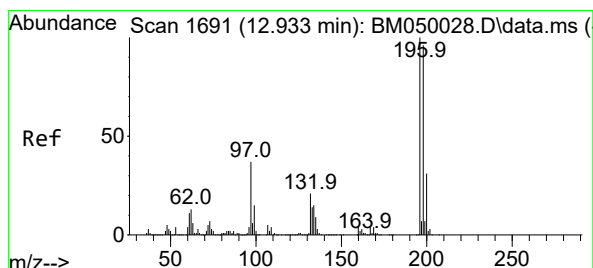
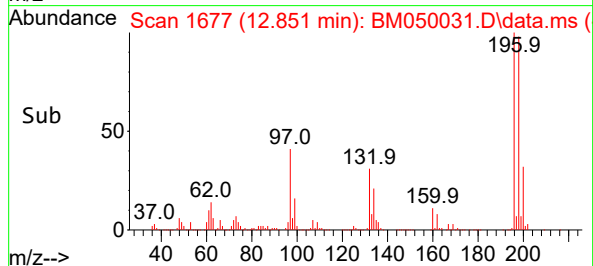
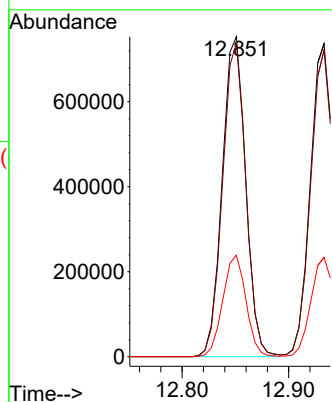
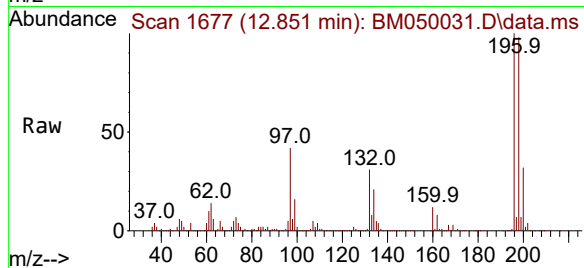
Tgt Ion:196 Resp: 1151641

Ion Ratio Lower Upper

196 100

198 98.2 79.0 118.6

200 31.7 25.1 37.7



#44

2,4,5-Trichlorophenol

Concen: 84.011 ng

RT: 12.933 min Scan# 1691

Delta R.T. -0.000 min

Lab File: BM050031.D

Acq: 28 Apr 2025 17:04

Tgt Ion:196 Resp: 1220306

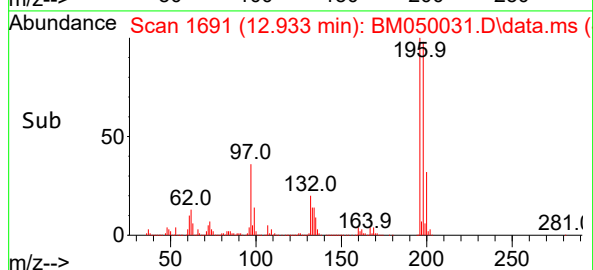
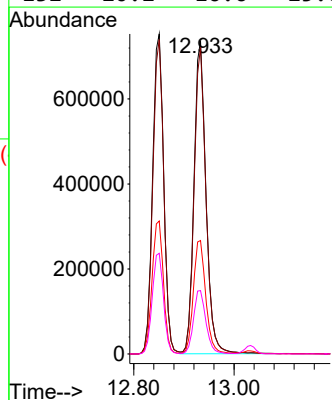
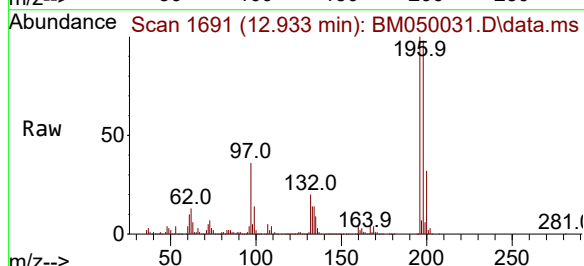
Ion Ratio Lower Upper

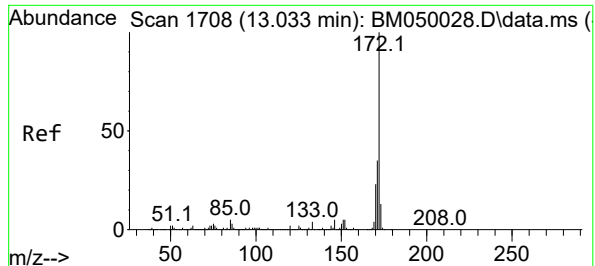
196 100

198 97.9 76.7 115.1

97 36.2 30.1 45.1

132 20.2 16.6 25.0





#45

2-Fluorobiphenyl

Concen: 159.736 ng

RT: 13.033 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM050031.D

Acq: 28 Apr 2025 17:04

Instrument :

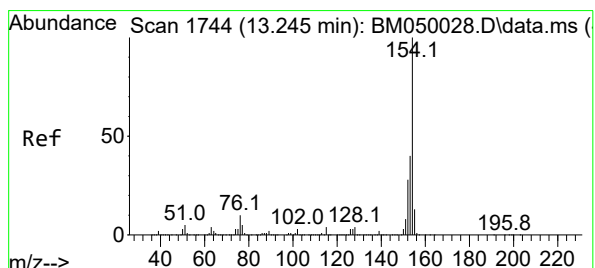
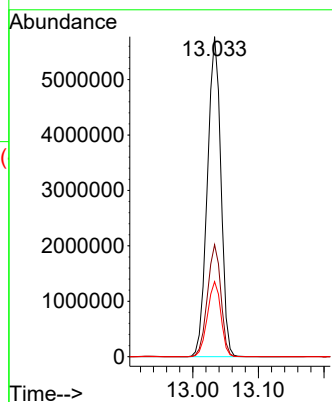
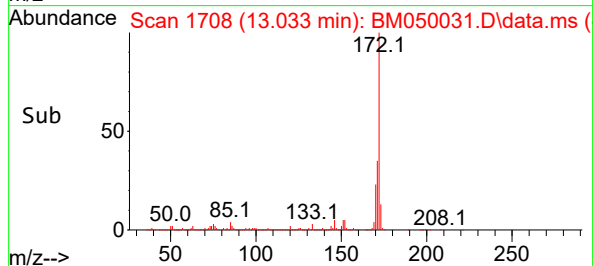
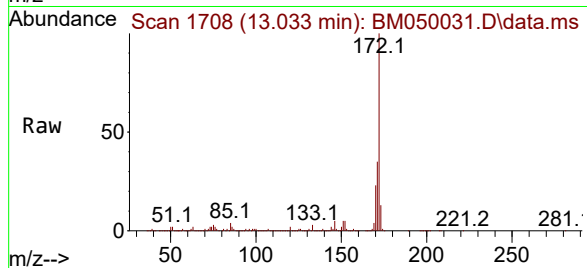
BNA_M

ClientSampleId :

SSTDICC080

Tgt Ion:172 Resp: 8283812

Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.8	41.6
170	23.5	18.6	28.0



#46

1,1'-Biphenyl

Concen: 79.246 ng

RT: 13.245 min Scan# 1744

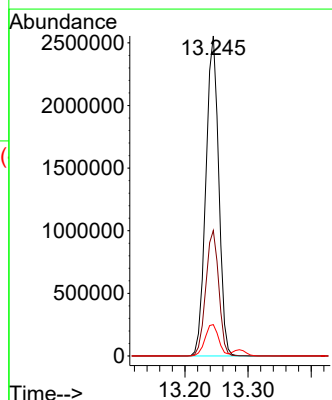
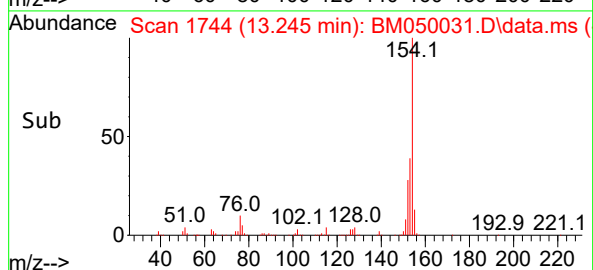
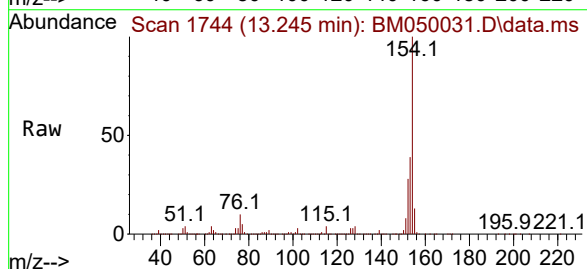
Delta R.T. -0.000 min

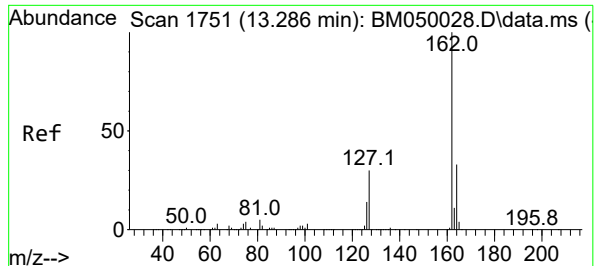
Lab File: BM050031.D

Acq: 28 Apr 2025 17:04

Tgt Ion:154 Resp: 3613893

Ion	Ratio	Lower	Upper
154	100		
153	39.2	20.0	60.0
76	9.8	0.0	30.3





#47

2-Chloronaphthalene

Concen: 78.700 ng

RT: 13.286 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM050031.D

Acq: 28 Apr 2025 17:04

Instrument :

BNA_M

ClientSampleId :

SSTDICC080

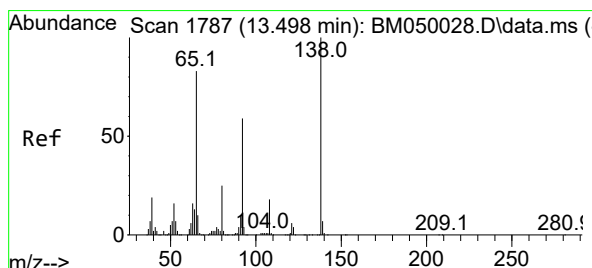
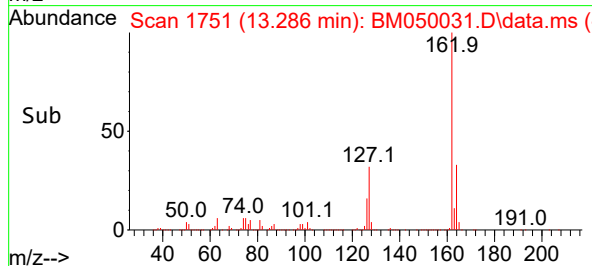
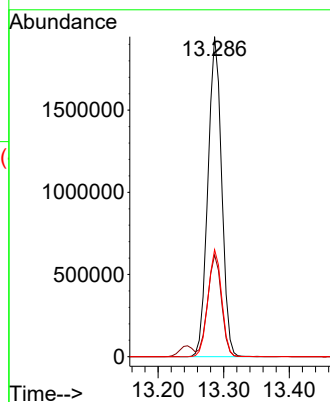
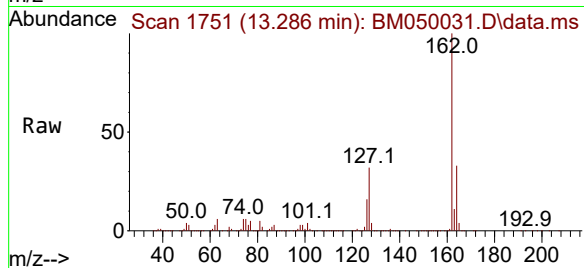
Tgt Ion:162 Resp: 2842514

Ion Ratio Lower Upper

162 100

127 31.8 25.9 38.9

164 33.4 26.6 40.0



#48

2-Nitroaniline

Concen: 82.725 ng

RT: 13.498 min Scan# 1787

Delta R.T. -0.000 min

Lab File: BM050031.D

Acq: 28 Apr 2025 17:04

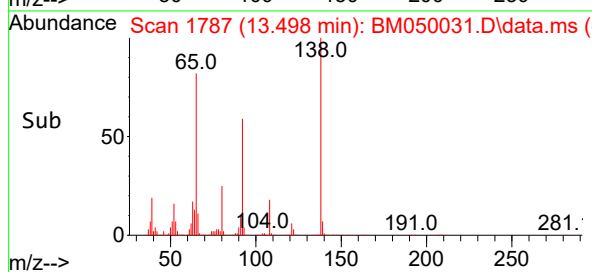
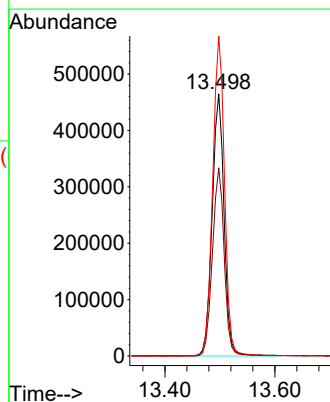
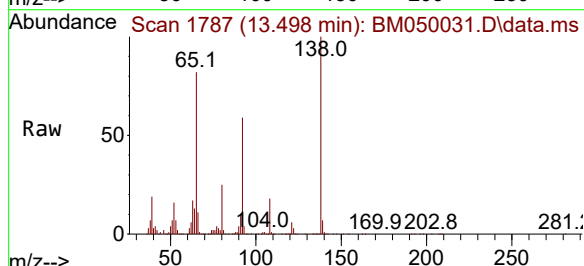
Tgt Ion: 65 Resp: 701256

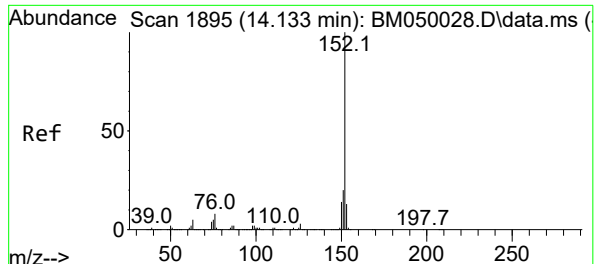
Ion Ratio Lower Upper

65 100

92 71.8 57.1 85.7

138 122.1 97.0 145.4





#49

Acenaphthylene

Concen: 79.492 ng

RT: 14.133 min Scan# 1895

Delta R.T. -0.000 min

Lab File: BM050031.D

Acq: 28 Apr 2025 17:04

Instrument :

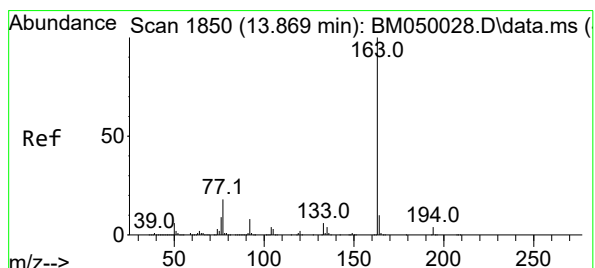
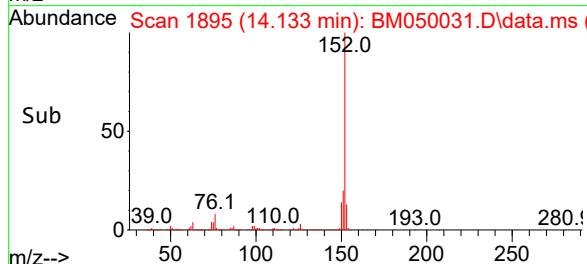
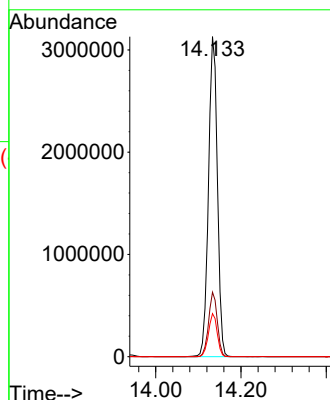
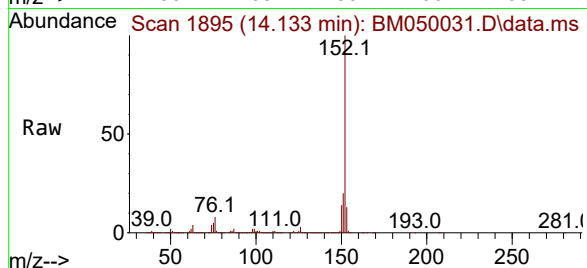
BNA_M

ClientSampleId :

SSTDICC080

Tgt Ion:152 Resp: 4526874

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.8	23.8
153	13.4	10.6	15.8



#50

Dimethylphthalate

Concen: 78.228 ng

RT: 13.874 min Scan# 1851

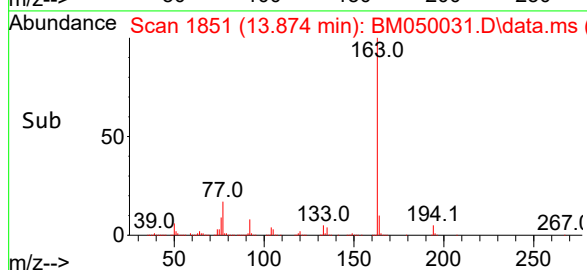
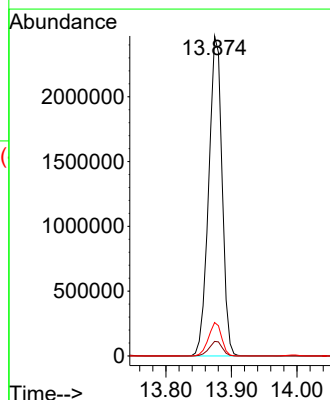
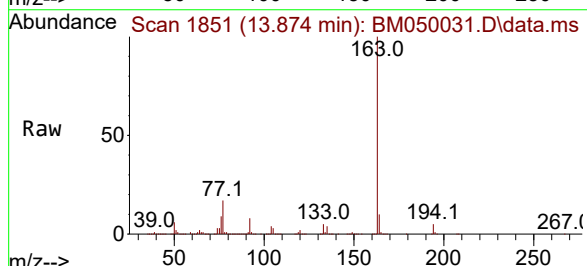
Delta R.T. 0.006 min

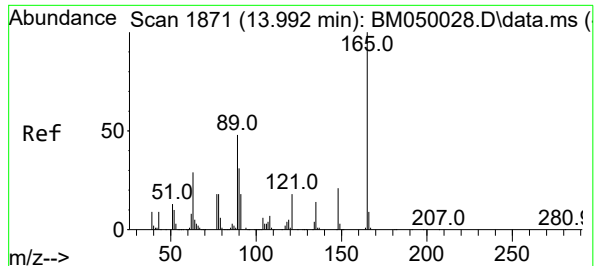
Lab File: BM050031.D

Acq: 28 Apr 2025 17:04

Tgt Ion:163 Resp: 3507333

Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.4	5.2
164	10.4	8.2	12.2

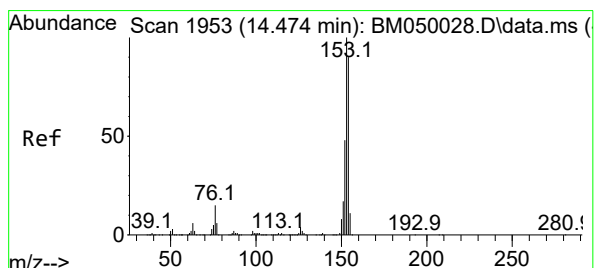
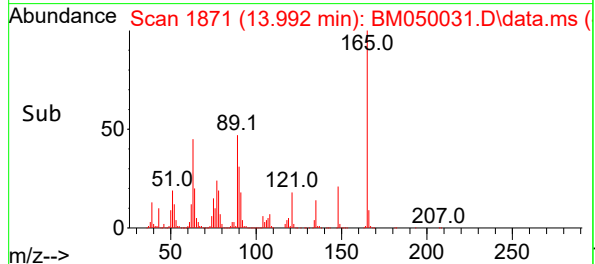
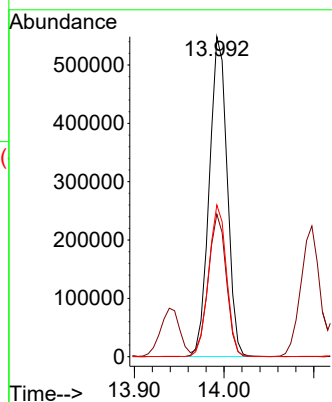
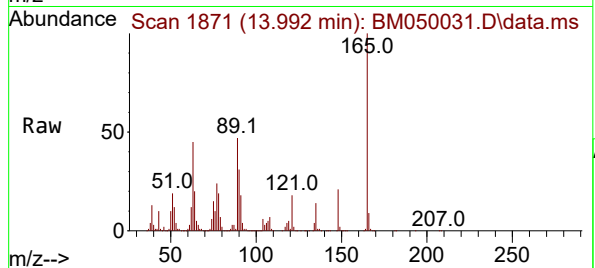




#51
2,6-Dinitrotoluene
Concen: 81.689 ng
RT: 13.992 min Scan# 1871
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

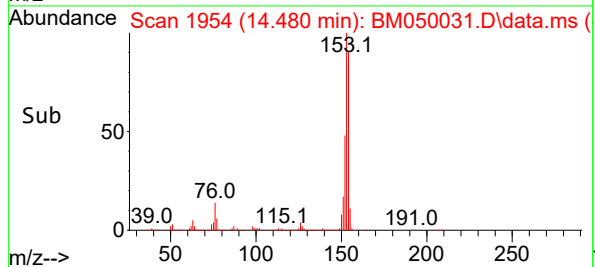
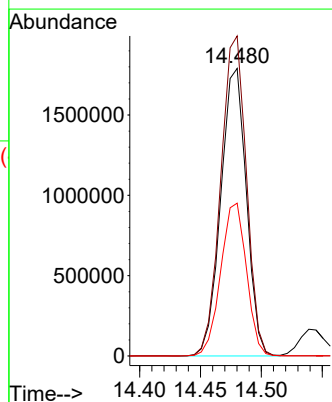
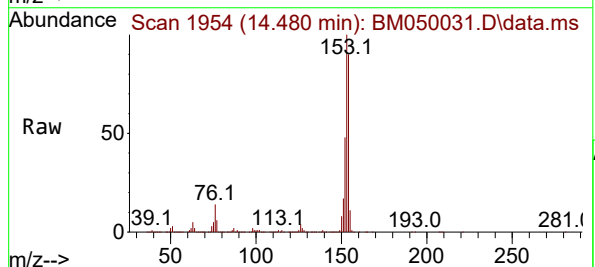
Instrument :
BNA_M
ClientSampleId :
SSTDICC080

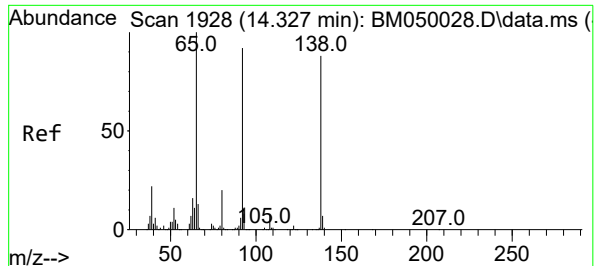
Tgt Ion:165 Resp: 758296
Ion Ratio Lower Upper
165 100
63 44.6 35.1 52.7
89 47.4 38.4 57.6



#52
Acenaphthene
Concen: 79.452 ng
RT: 14.480 min Scan# 1954
Delta R.T. 0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:154 Resp: 2618967
Ion Ratio Lower Upper
154 100
153 111.3 89.0 133.4
152 53.1 43.0 64.6

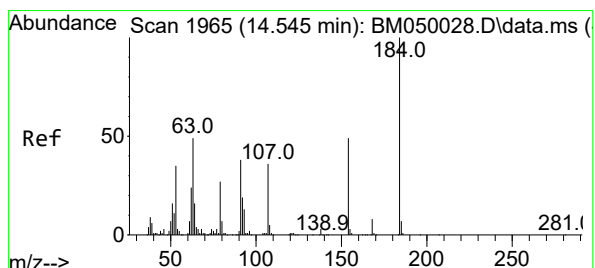
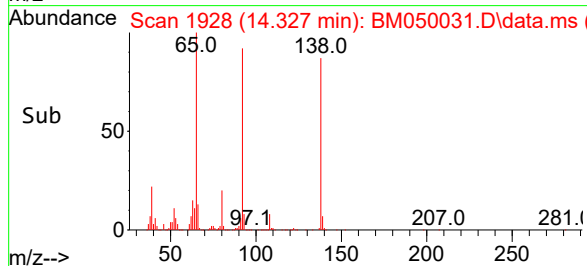
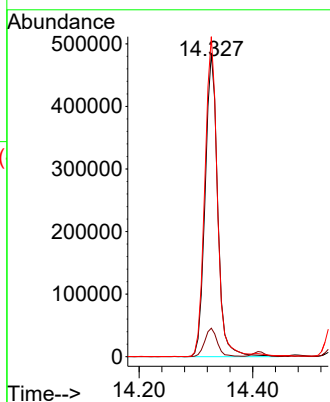
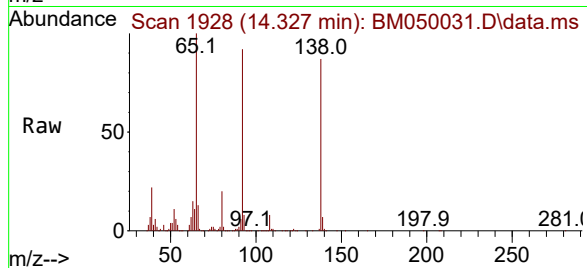




#53
3-Nitroaniline
Concen: 83.521 ng
RT: 14.327 min Scan# 1928
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

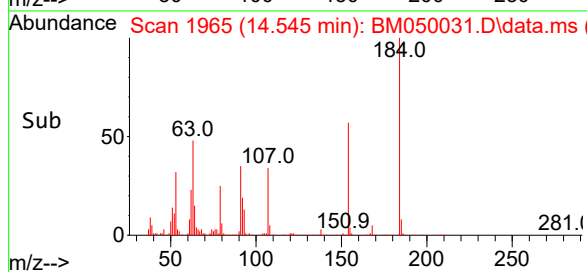
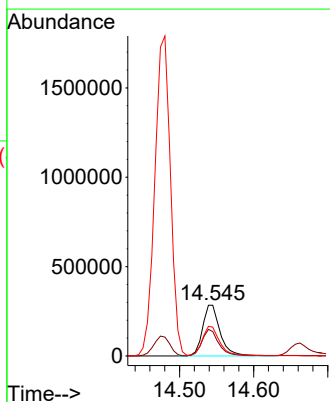
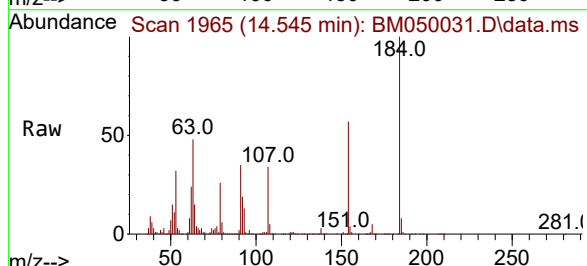
Instrument :
BNA_M
ClientSampleId :
SSTDICC080

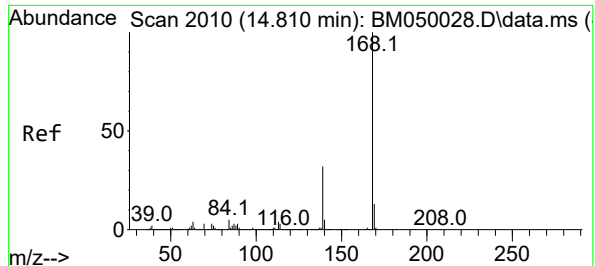
Tgt Ion:138 Resp: 740202
Ion Ratio Lower Upper
138 100
108 9.4 7.4 11.2
92 105.4 84.0 126.0



#54
2,4-Dinitrophenol
Concen: 79.096 ng
RT: 14.545 min Scan# 1965
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:184 Resp: 469472
Ion Ratio Lower Upper
184 100
63 48.1 39.8 59.6
154 57.0 46.1 69.1





#55

Dibenzofuran

Concen: 78.875 ng

RT: 14.815 min Scan# 20

Delta R.T. 0.006 min

Lab File: BM050031.D

Acq: 28 Apr 2025 17:04

Instrument :

BNA_M

ClientSampleId :

SSTDICC080

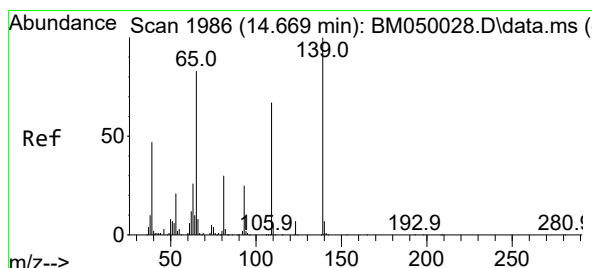
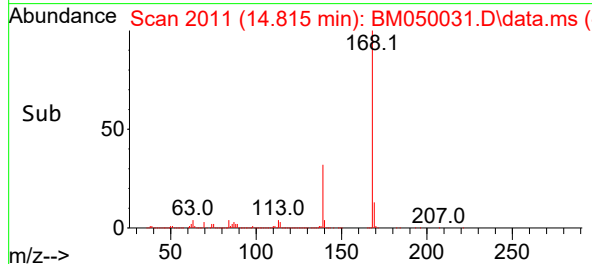
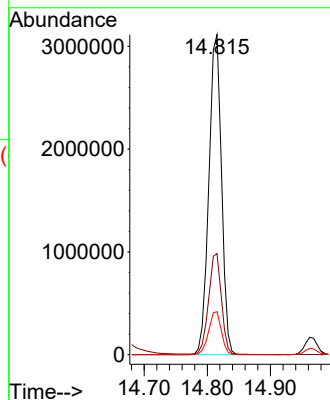
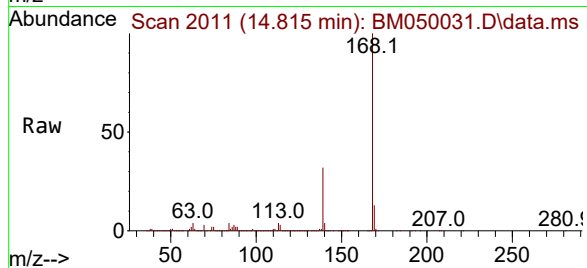
Tgt Ion:168 Resp: 4325783

Ion Ratio Lower Upper

168 100

139 31.6 26.1 39.1

169 13.5 10.8 16.2



#56

4-Nitrophenol

Concen: 78.710 ng

RT: 14.662 min Scan# 1985

Delta R.T. -0.007 min

Lab File: BM050031.D

Acq: 28 Apr 2025 17:04

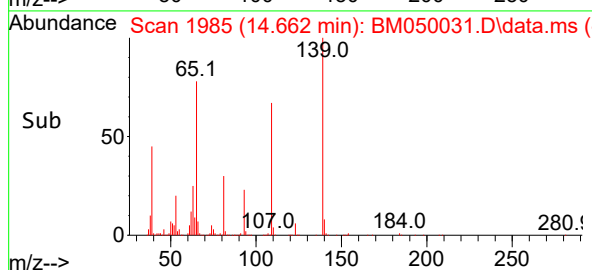
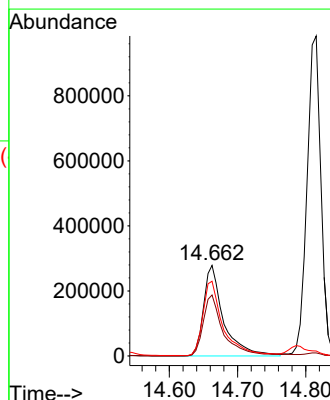
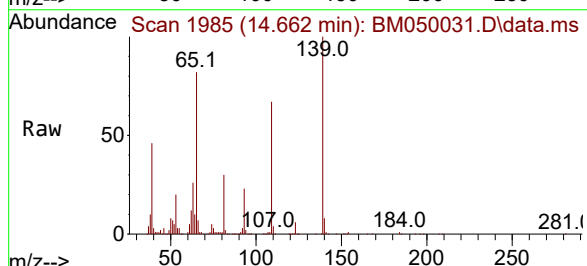
Tgt Ion:139 Resp: 566943

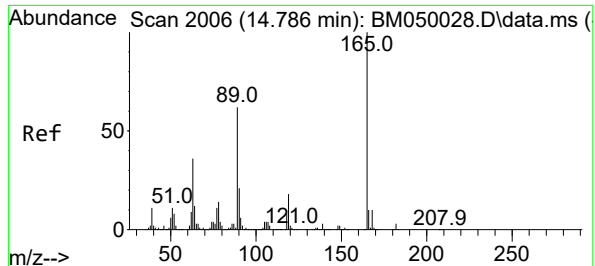
Ion Ratio Lower Upper

139 100

109 67.2 47.0 87.0

65 82.5 64.3 104.3

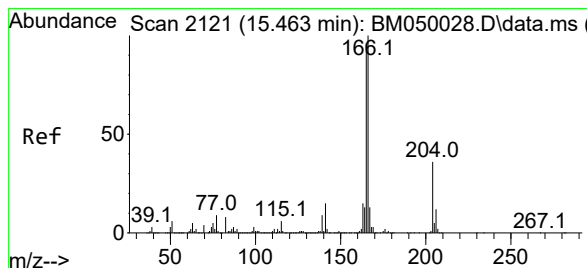
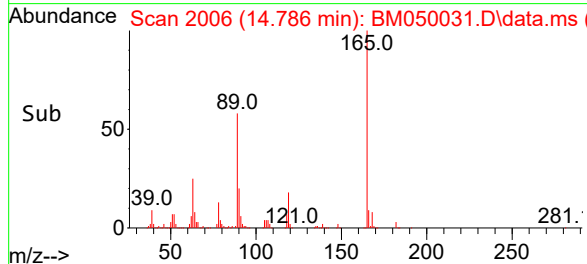
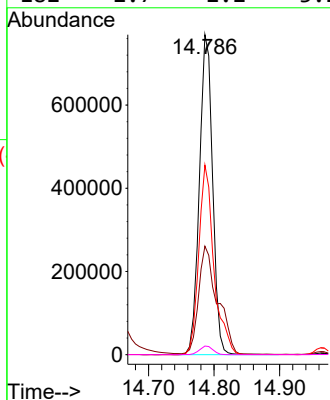
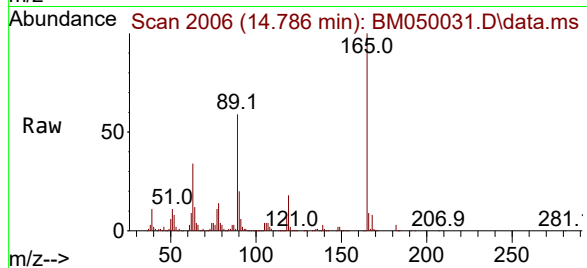




#57
2,4-Dinitrotoluene
Concen: 84.207 ng
RT: 14.786 min Scan# 2006
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

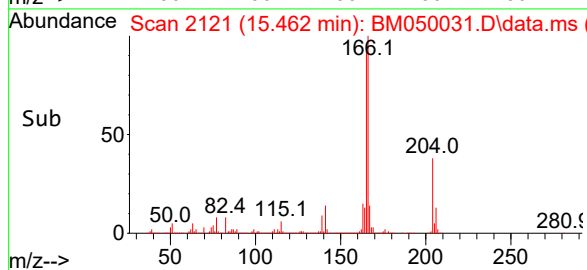
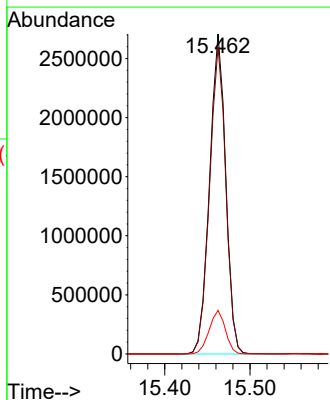
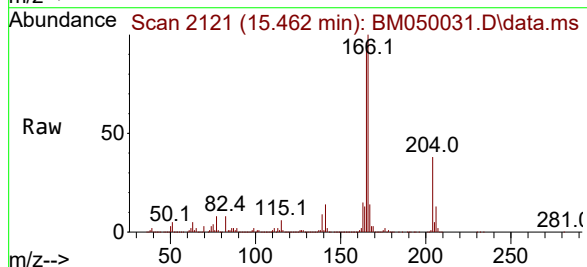
Instrument :
BNA_M
ClientSampleId :
SSTDICC080

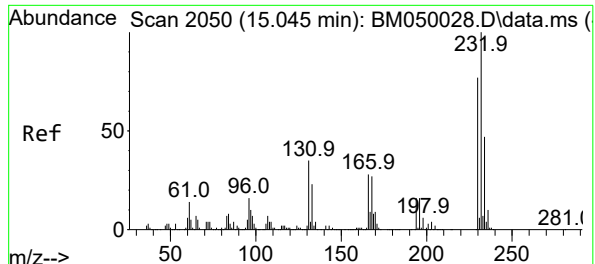
Tgt Ion:165 Resp: 1080118
Ion Ratio Lower Upper
165 100
63 33.9 29.0 43.6
89 59.2 49.4 74.2
182 2.7 2.2 3.2



#58
Fluorene
Concen: 79.426 ng
RT: 15.462 min Scan# 2121
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:166 Resp: 3565506
Ion Ratio Lower Upper
166 100
165 96.0 76.6 115.0
167 13.6 10.6 16.0



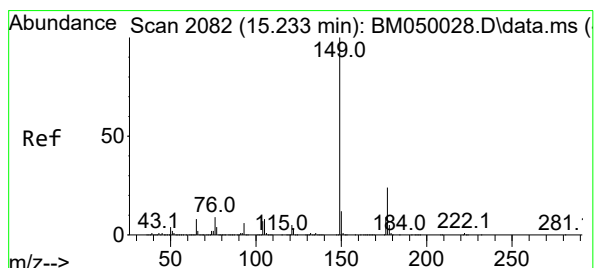
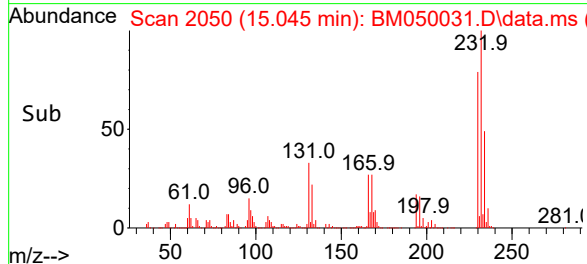
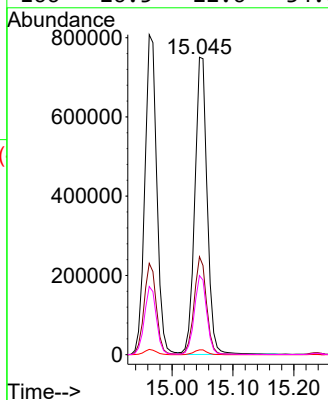
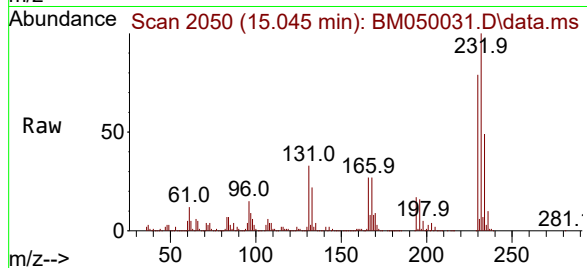


#59
2,3,4,6-Tetrachlorophenol
Concen: 84.123 ng
RT: 15.045 min Scan# 2050
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Tgt Ion:232 Resp: 1057707

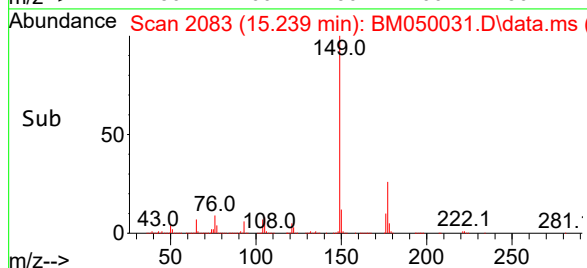
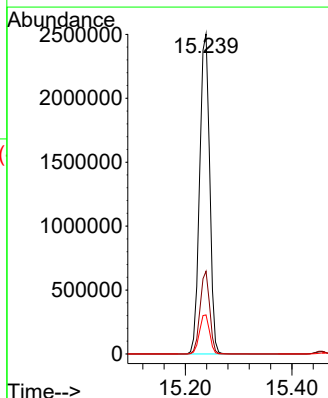
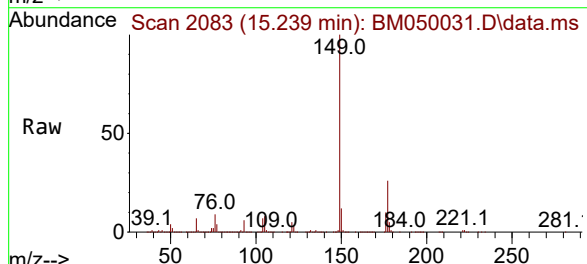
Ion	Ratio	Lower	Upper
232	100		
131	32.8	28.2	42.4
130	1.7	1.5	2.3
166	26.5	22.6	34.0

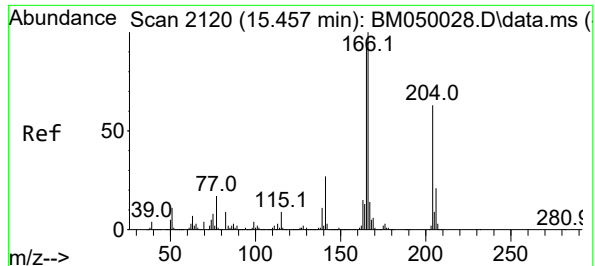


#60
Diethylphthalate
Concen: 77.118 ng
RT: 15.239 min Scan# 2083
Delta R.T. 0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:149 Resp: 3257954

Ion	Ratio	Lower	Upper
149	100		
177	25.8	19.1	28.7
150	12.2	9.6	14.4

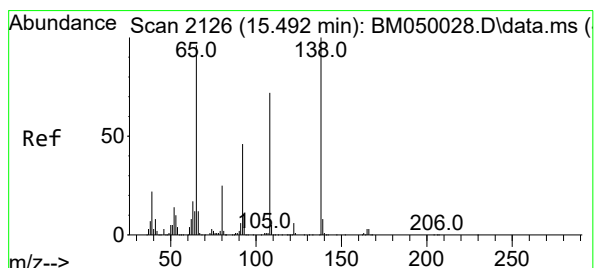
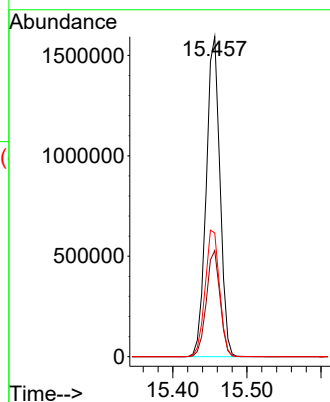
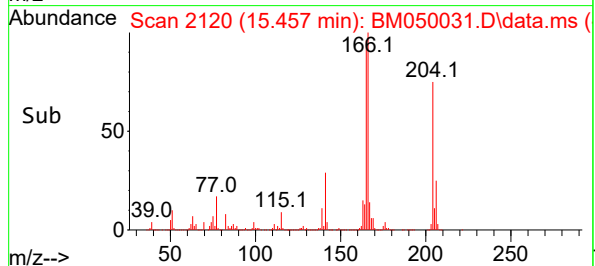
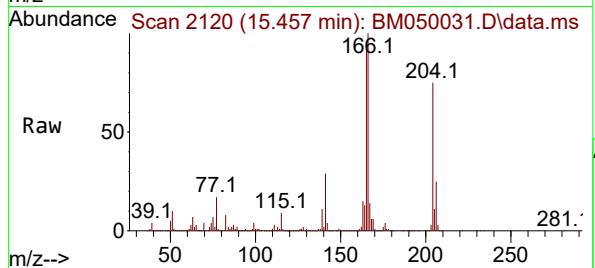




#61
4-Chlorophenyl-phenylether
Concen: 83.186 ng
RT: 15.457 min Scan# 2120
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

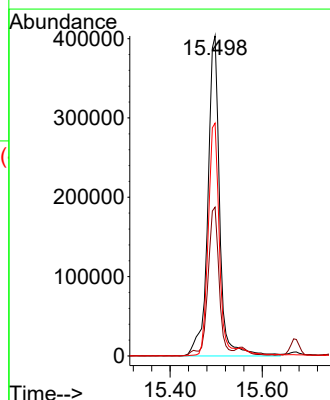
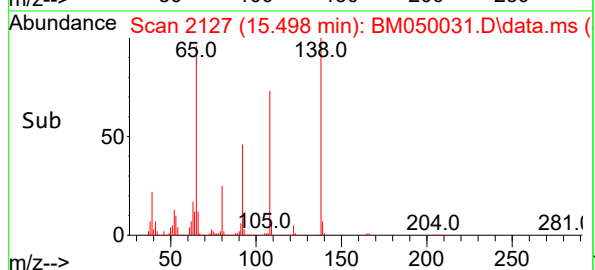
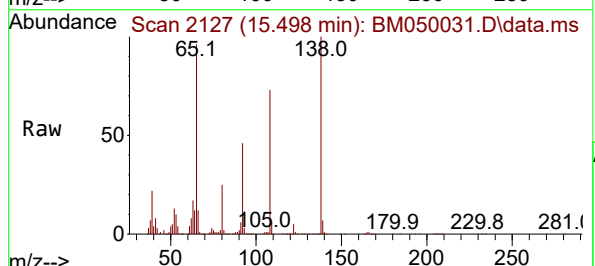
Instrument :
BNA_M
ClientSampleId :
SSTDICC080

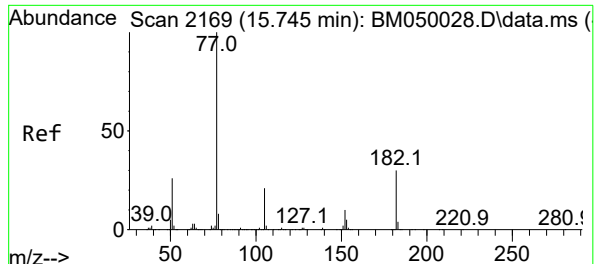
Tgt Ion:204 Resp: 2051105
Ion Ratio Lower Upper
204 100
206 33.1 26.3 39.5
141 38.7 34.0 51.0



#62
4-Nitroaniline
Concen: 84.678 ng
RT: 15.498 min Scan# 2127
Delta R.T. 0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:138 Resp: 724549
Ion Ratio Lower Upper
138 100
92 46.5 25.9 65.9
108 72.8 52.4 92.4

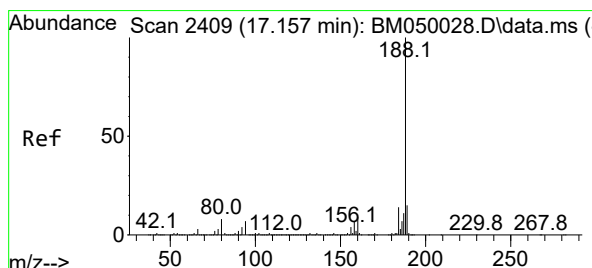
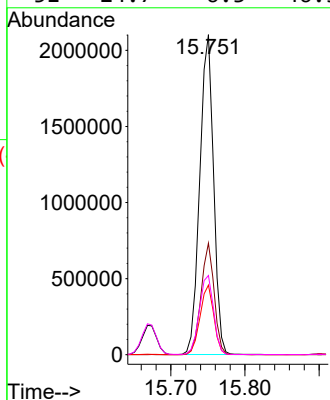
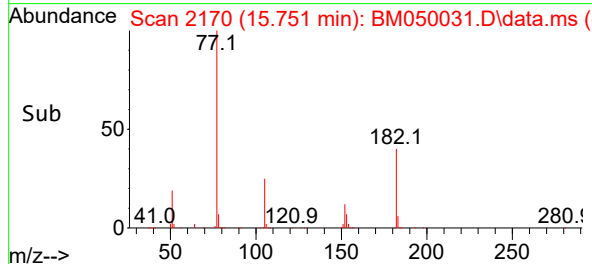
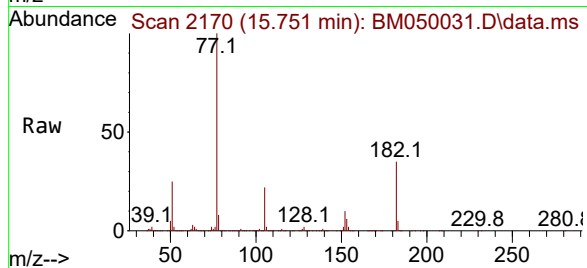




#63
Azobenzene
Concen: 76.914 ng
RT: 15.751 min Scan# 2169
Delta R.T. 0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

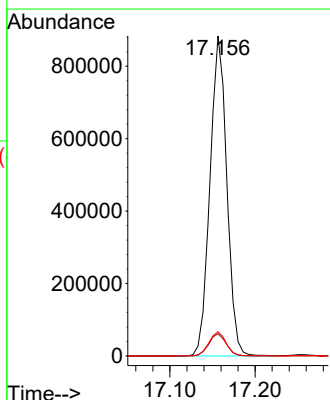
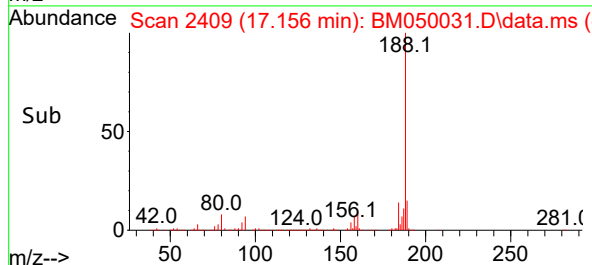
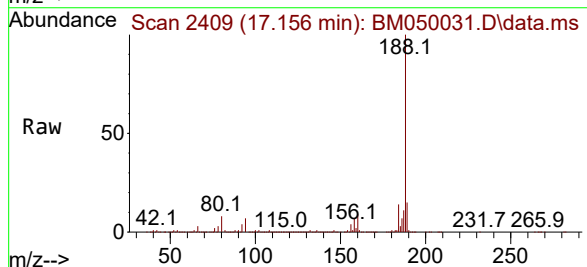
Instrument :
BNA_M
ClientSampleId :
SSTDICC080

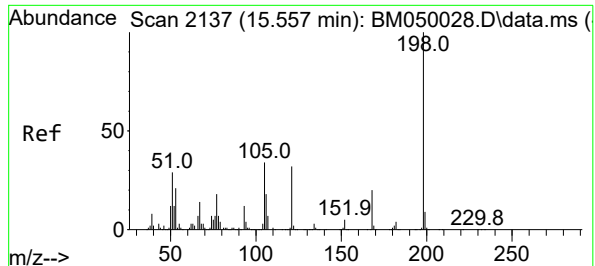
Tgt Ion: 77 Resp: 2723186
Ion Ratio Lower Upper
77 100
182 34.9 10.5 50.5
105 21.7 1.1 41.1
51 24.7 6.3 46.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.156 min Scan# 2409
Delta R.T. -0.001 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion: 188 Resp: 1212251
Ion Ratio Lower Upper
188 100
94 7.0 5.7 8.5
80 7.6 6.2 9.4

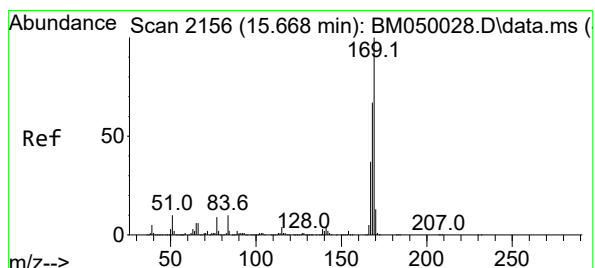
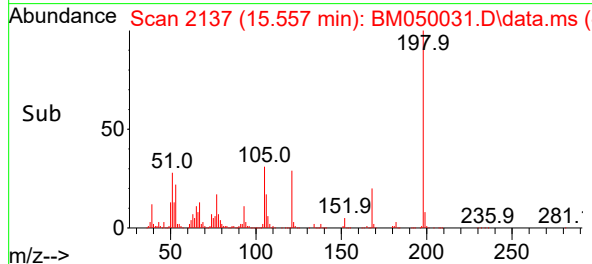
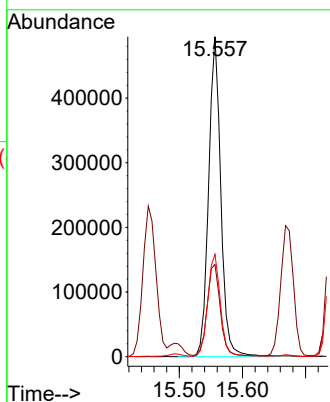
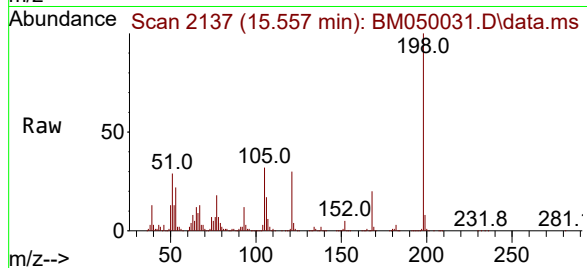




#65
4,6-Dinitro-2-methylphenol
Concen: 87.741 ng
RT: 15.557 min Scan# 2137
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

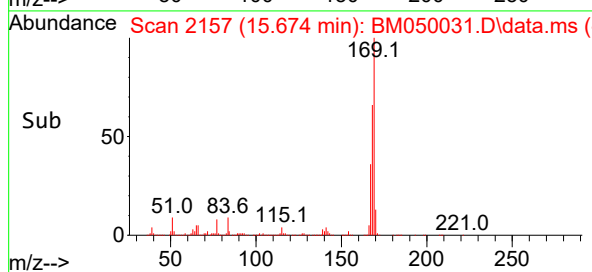
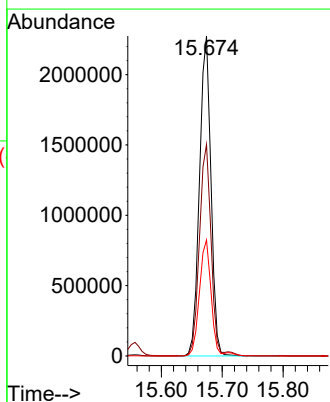
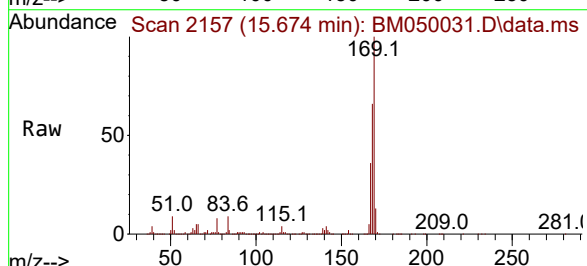
Instrument :
BNA_M
ClientSampleId :
SSTDICC080

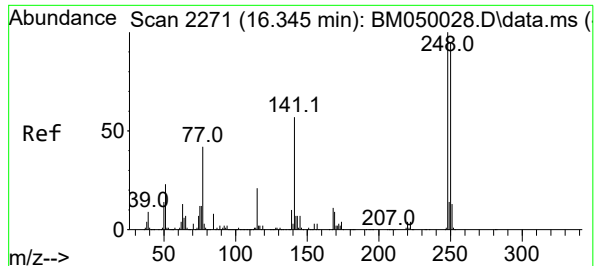
Tgt Ion:198 Resp: 665798
Ion Ratio Lower Upper
198 100
51 28.8 10.4 50.4
105 32.0 14.6 54.6



#66
n-Nitrosodiphenylamine
Concen: 79.443 ng
RT: 15.674 min Scan# 2157
Delta R.T. 0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:169 Resp: 2957293
Ion Ratio Lower Upper
169 100
168 66.1 53.4 80.2
167 36.3 29.4 44.0





#67

4-Bromophenyl-phenylether

Concen: 83.600 ng

RT: 16.351 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM050031.D

Acq: 28 Apr 2025 17:04

Instrument :

BNA_M

ClientSampleId :

SSTDICC080

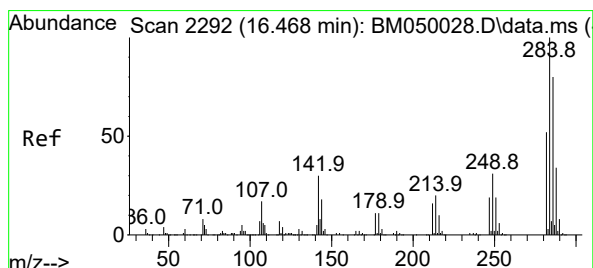
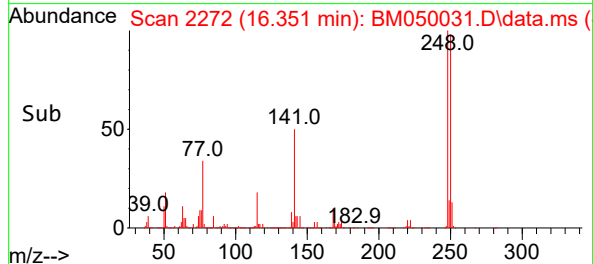
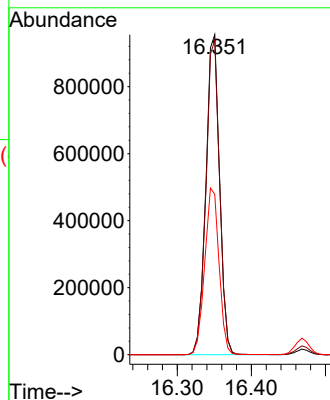
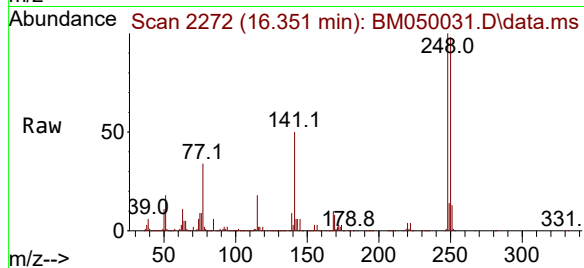
Tgt Ion:248 Resp: 1225531

Ion Ratio Lower Upper

248 100

250 98.2 76.2 114.2

141 50.1 45.9 68.9



#68

Hexachlorobenzene

Concen: 83.606 ng

RT: 16.468 min Scan# 2292

Delta R.T. -0.000 min

Lab File: BM050031.D

Acq: 28 Apr 2025 17:04

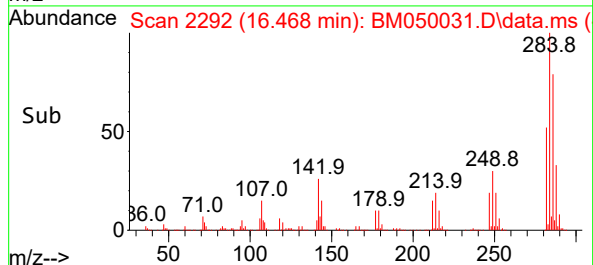
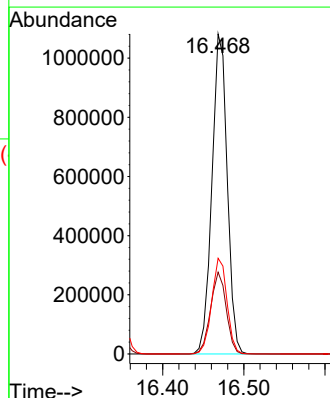
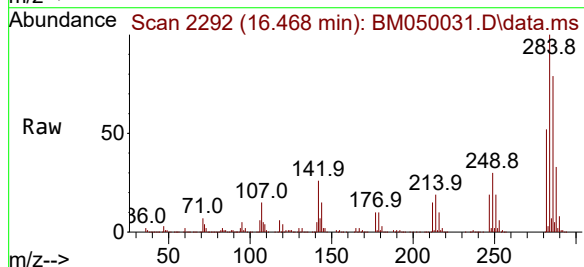
Tgt Ion:284 Resp: 1412768

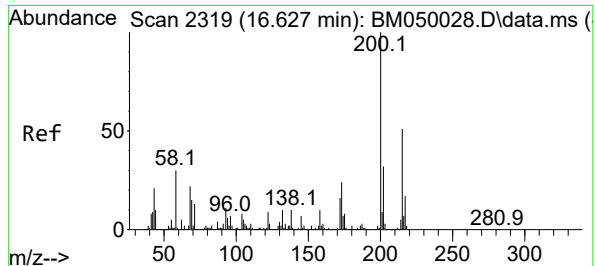
Ion Ratio Lower Upper

284 100

142 25.5 23.9 35.9

249 29.9 24.5 36.7

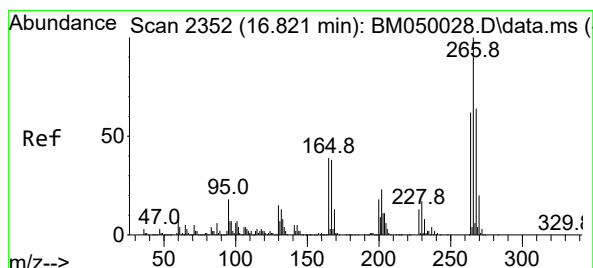
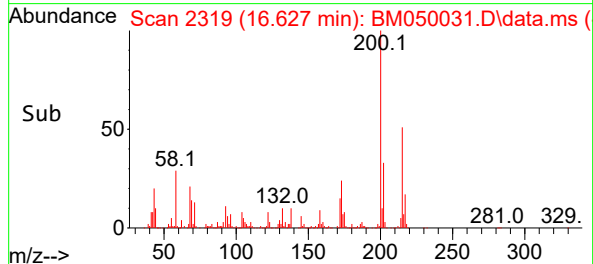
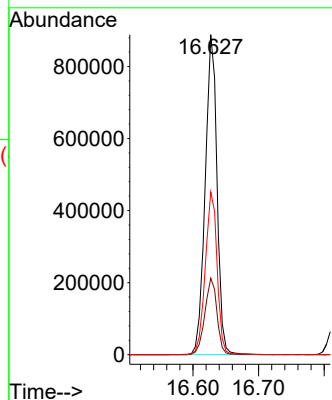
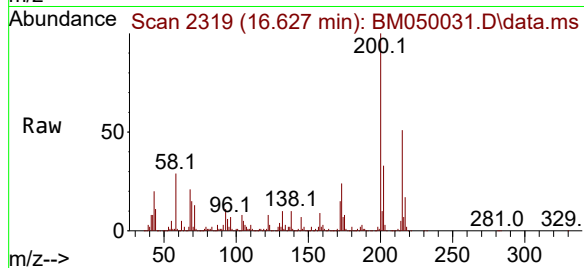




#69
Atrazine
Concen: 83.174 ng
RT: 16.627 min Scan# 211
Delta R.T. 0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

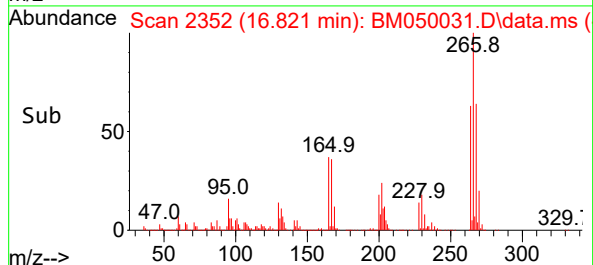
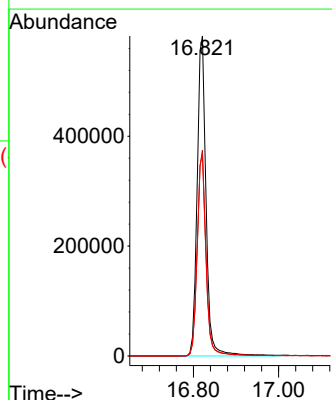
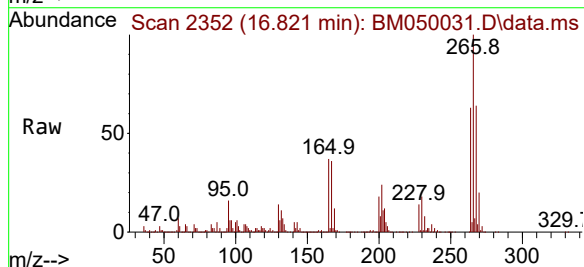
Instrument :
BNA_M
ClientSampleId :
SSTDICC080

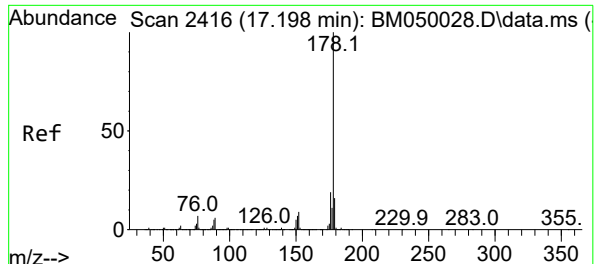
Tgt Ion:200 Resp: 1116818
Ion Ratio Lower Upper
200 100
173 23.9 4.3 44.3
215 50.8 30.6 70.6



#70
Pentachlorophenol
Concen: 88.648 ng
RT: 16.821 min Scan# 2352
Delta R.T. 0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:266 Resp: 843195
Ion Ratio Lower Upper
266 100
268 64.2 51.2 76.8
264 63.1 49.6 74.4

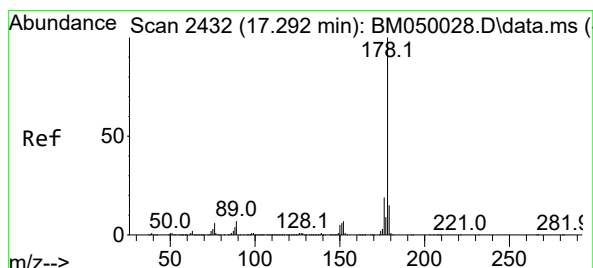
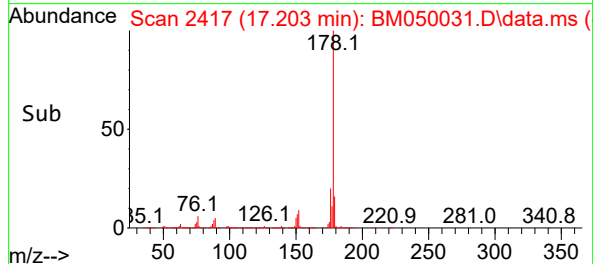
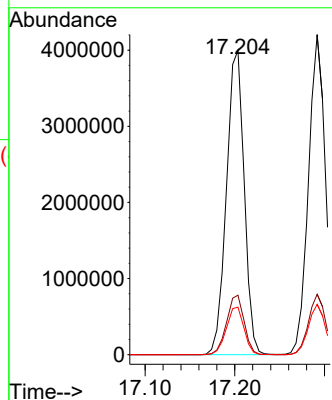
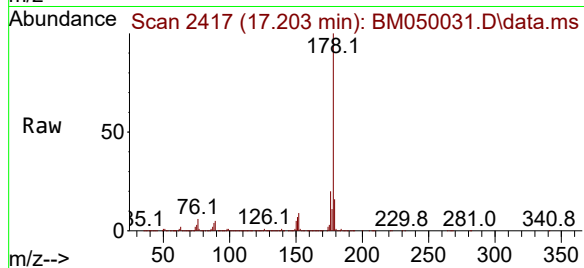




#71
Phenanthrene
Concen: 80.266 ng
RT: 17.203 min Scan# 2416
Delta R.T. 0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

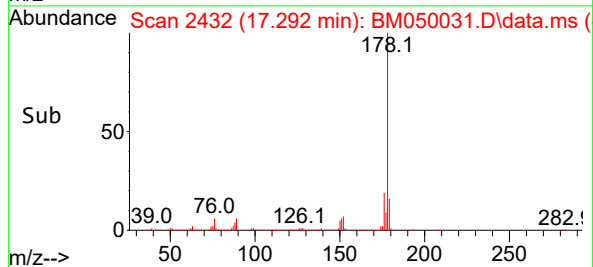
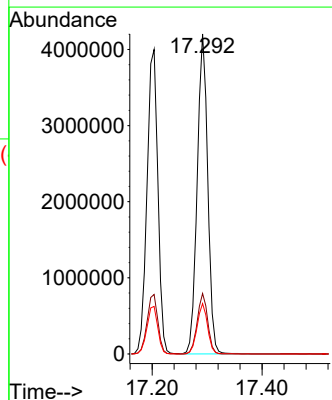
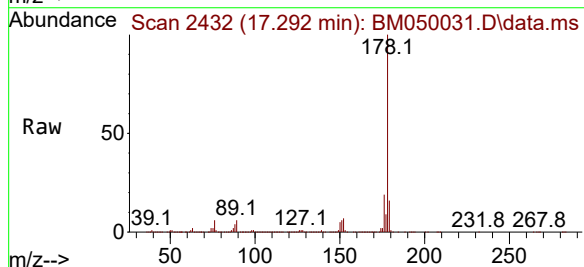
Instrument :
BNA_M
ClientSampleId :
SSTDICC080

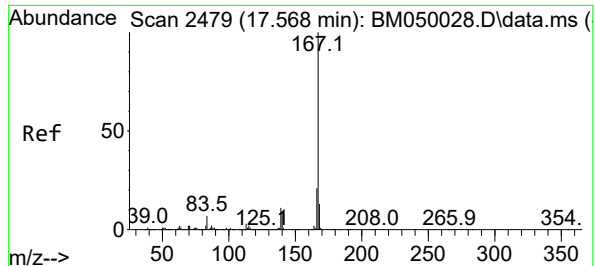
Tgt Ion:178 Resp: 5487968
Ion Ratio Lower Upper
178 100
176 19.6 15.3 22.9
179 15.6 12.4 18.6



#72
Anthracene
Concen: 80.893 ng
RT: 17.292 min Scan# 2432
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:178 Resp: 5597195
Ion Ratio Lower Upper
178 100
176 18.9 15.0 22.4
179 15.8 12.2 18.4

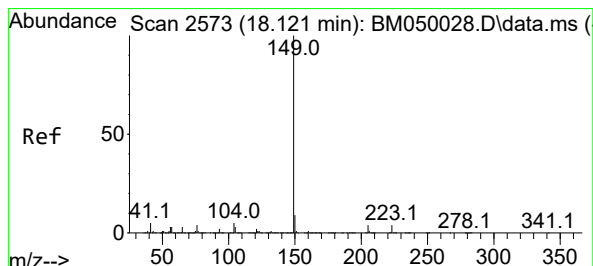
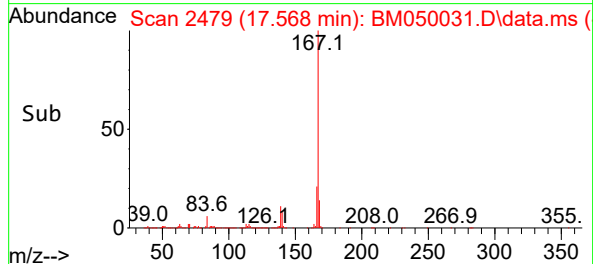
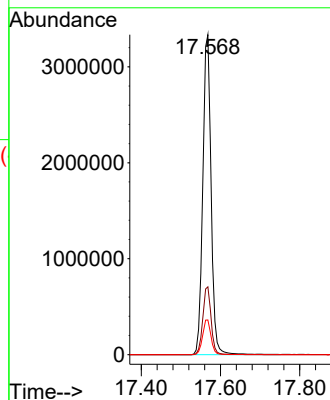
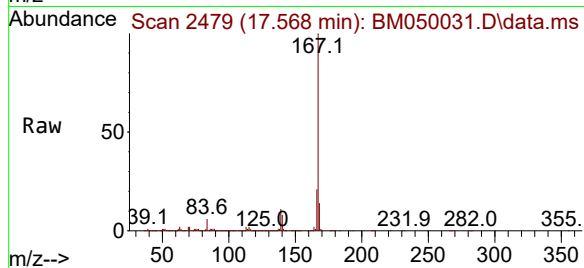




#73
Carbazole
Concen: 80.705 ng
RT: 17.568 min Scan# 2479
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

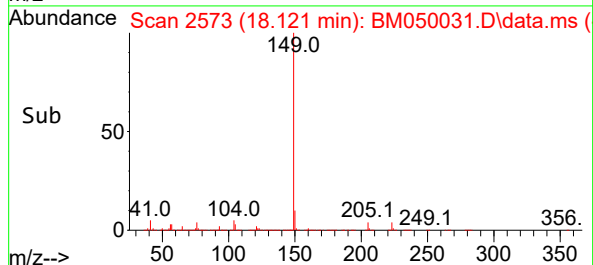
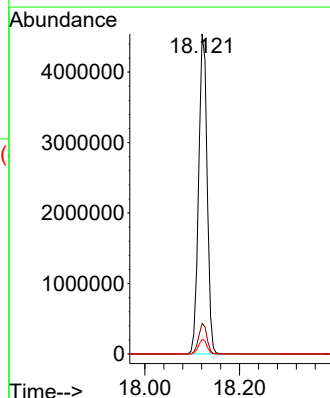
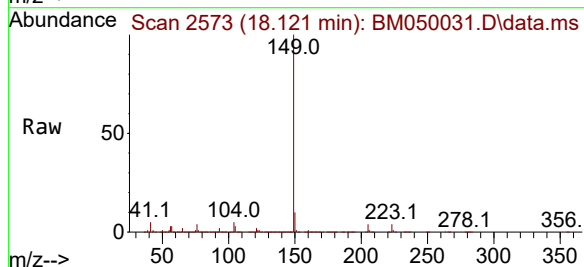
Instrument :
BNA_M
ClientSampleId :
SSTDICC080

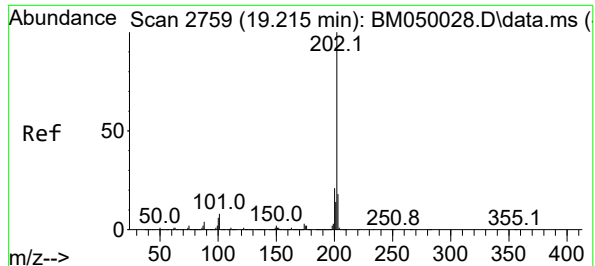
Tgt Ion:167 Resp: 4845637
Ion Ratio Lower Upper
167 100
166 21.2 17.2 25.8
139 10.8 9.0 13.6



#74
Di-n-butylphthalate
Concen: 79.007 ng
RT: 18.121 min Scan# 2573
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:149 Resp: 5649166
Ion Ratio Lower Upper
149 100
150 9.5 7.3 10.9
104 4.5 3.8 5.6

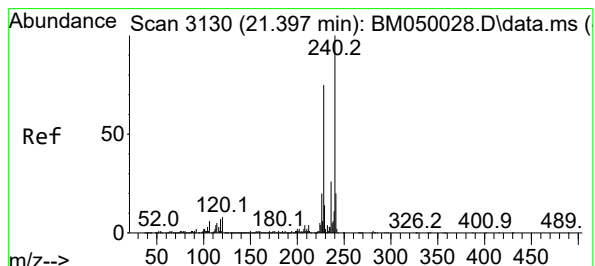
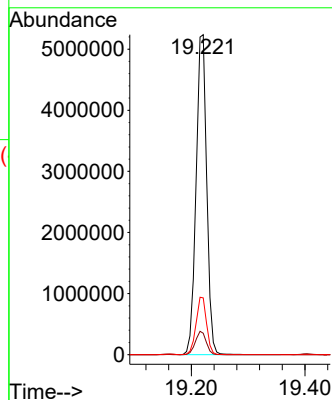
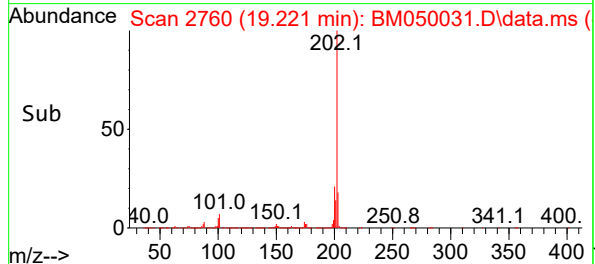
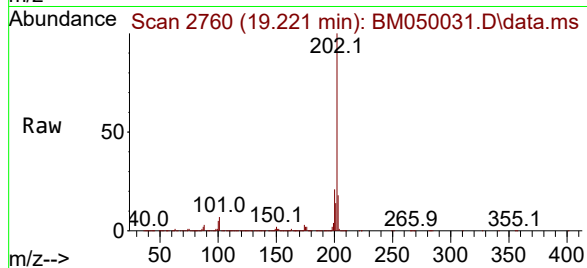




#75
Fluoranthene
Concen: 85.234 ng
RT: 19.221 min Scan# 2759
Delta R.T. 0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

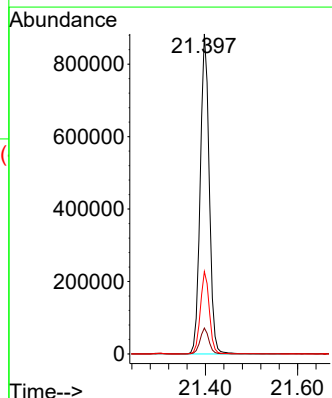
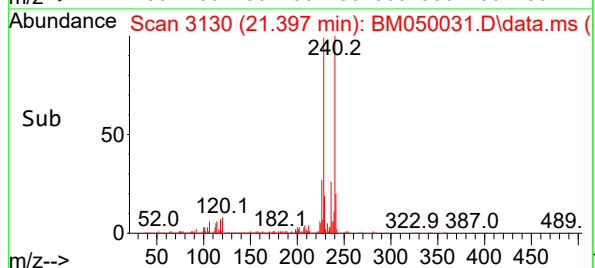
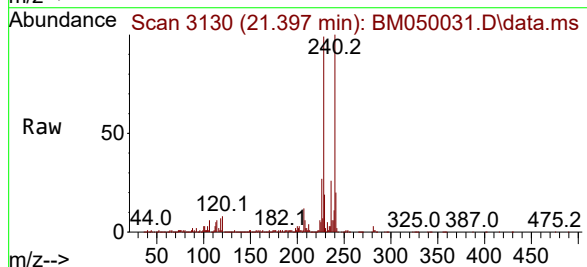
Instrument :
BNA_M
ClientSampleId :
SSTDICC080

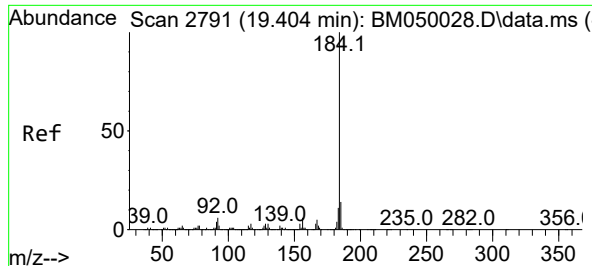
Tgt Ion:202 Resp: 6841999
Ion Ratio Lower Upper
202 100
101 6.7 0.0 28.0
203 17.7 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.397 min Scan# 3130
Delta R.T. 0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:240 Resp: 1197780
Ion Ratio Lower Upper
240 100
120 8.1 6.5 9.7
236 25.8 20.9 31.3

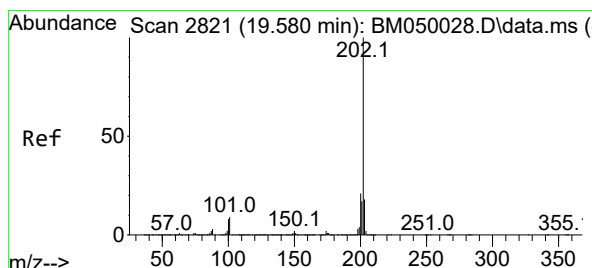
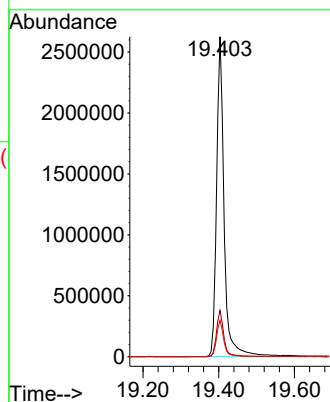
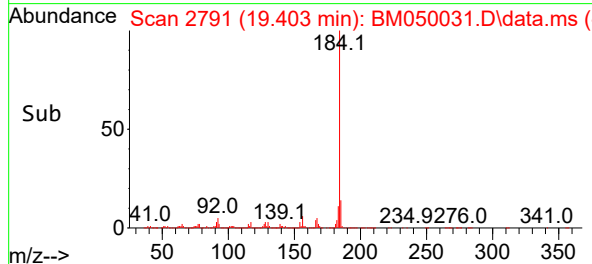
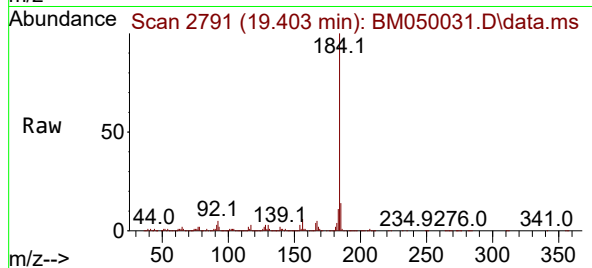




#77
Benzidine
Concen: 84.575 ng
RT: 19.403 min Scan# 21
Delta R.T. -0.001 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

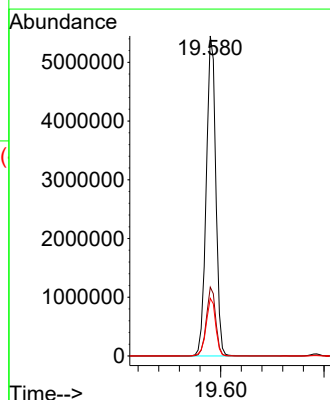
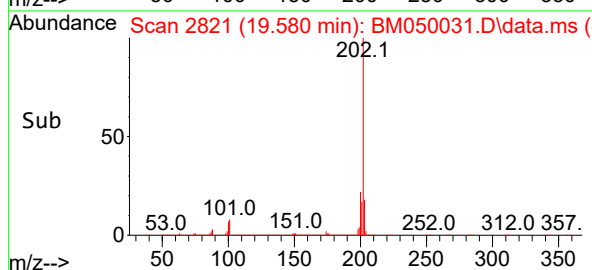
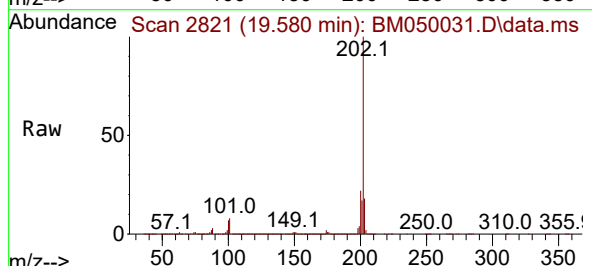
Instrument :
BNA_M
ClientSampleId :
SSTDICC080

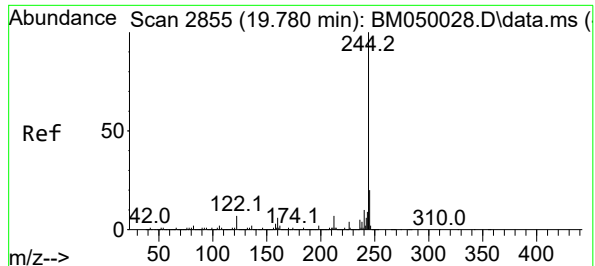
Tgt Ion:184 Resp: 3598340
Ion Ratio Lower Upper
184 100
185 14.4 11.5 17.3
183 11.3 8.9 13.3



#78
Pyrene
Concen: 82.738 ng
RT: 19.580 min Scan# 2821
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:202 Resp: 6959279
Ion Ratio Lower Upper
202 100
200 21.5 16.7 25.1
203 18.0 14.1 21.1

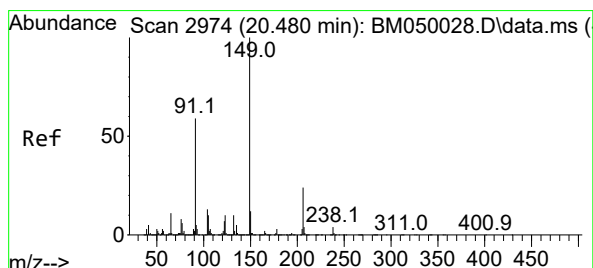
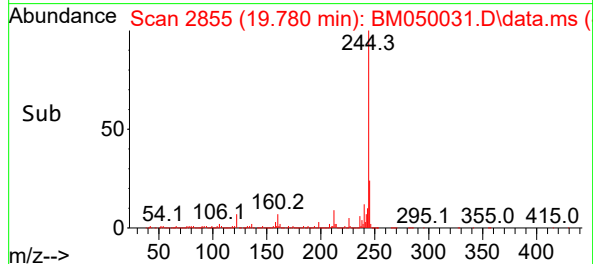
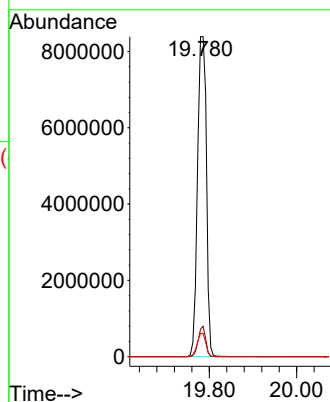
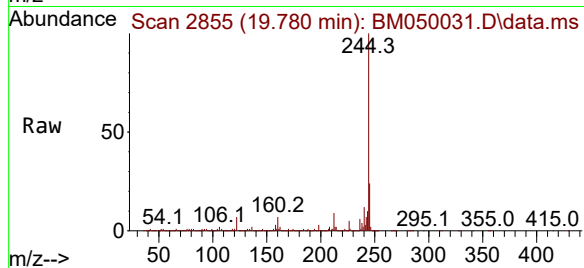




#79
Terphenyl-d14
Concen: 146.730 ng
RT: 19.780 min Scan# 2855
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

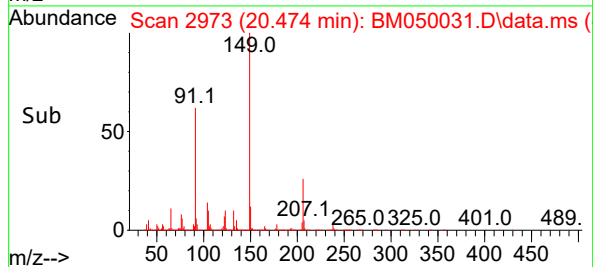
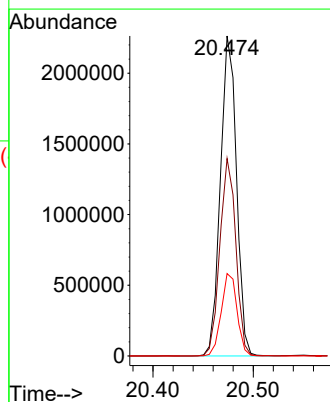
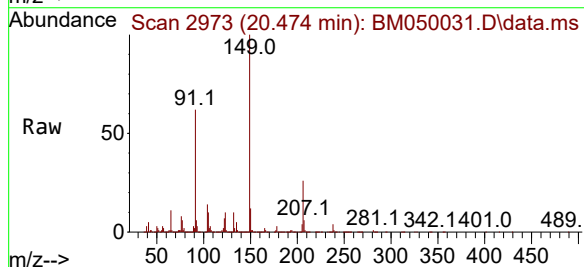
Instrument :
BNA_M
ClientSampleId :
SSTDICC080

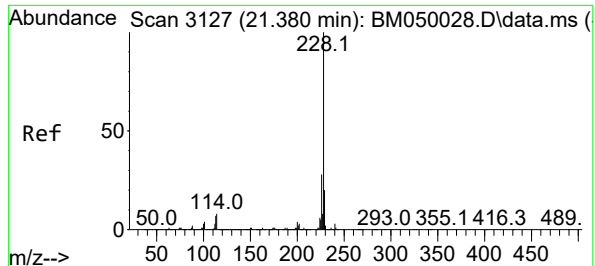
Tgt Ion:244 Resp:11877110
Ion Ratio Lower Upper
244 100
212 8.6 5.6 8.4#
122 7.3 5.6 8.4



#80
Butylbenzylphthalate
Concen: 79.760 ng
RT: 20.474 min Scan# 2973
Delta R.T. -0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:149 Resp: 2512705
Ion Ratio Lower Upper
149 100
91 61.7 47.4 71.2
206 25.7 19.4 29.0

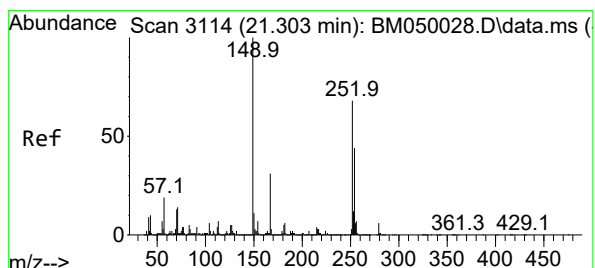
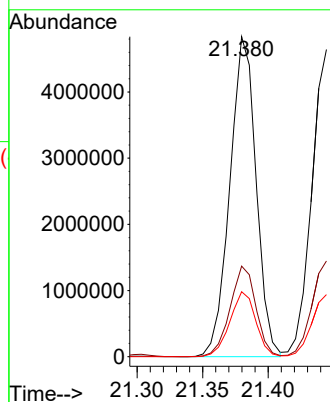
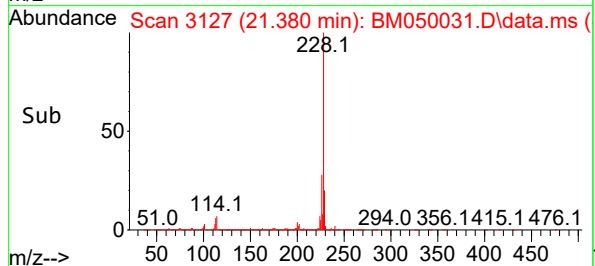
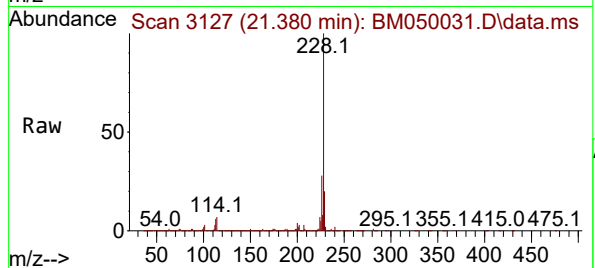




#81
Benzo(a)anthracene
Concen: 81.808 ng
RT: 21.380 min Scan# 3127
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

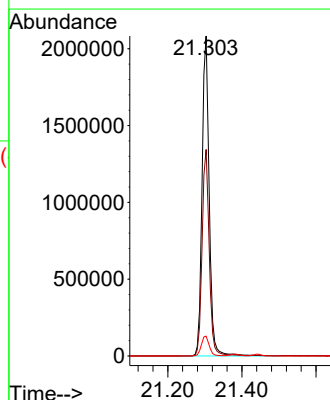
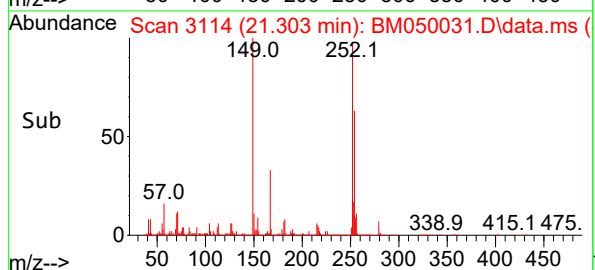
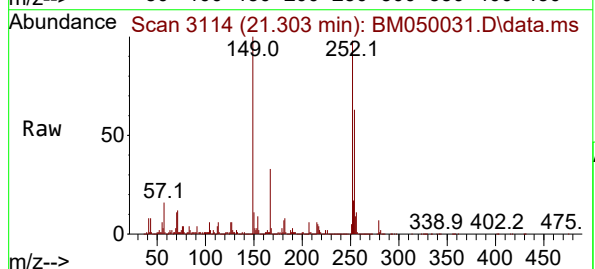
Instrument :
BNA_M
ClientSampleId :
SSTDICC080

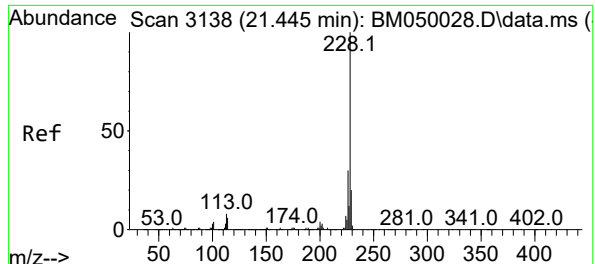
Tgt Ion:228 Resp: 6747718
Ion Ratio Lower Upper
228 100
226 28.3 22.1 33.1
229 20.3 15.7 23.5



#82
3,3'-Dichlorobenzidine
Concen: 88.111 ng
RT: 21.303 min Scan# 3114
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:252 Resp: 2782107
Ion Ratio Lower Upper
252 100
254 64.6 51.8 77.6
126 6.2 6.0 9.0

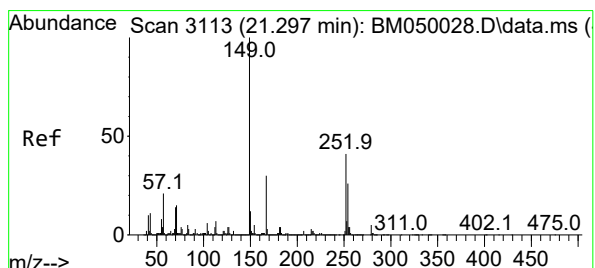
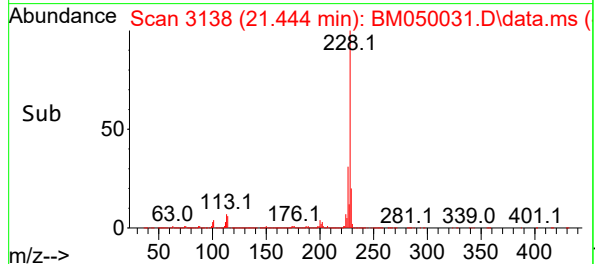
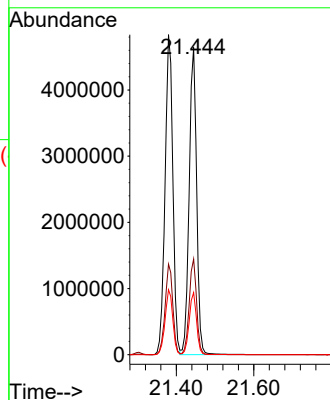
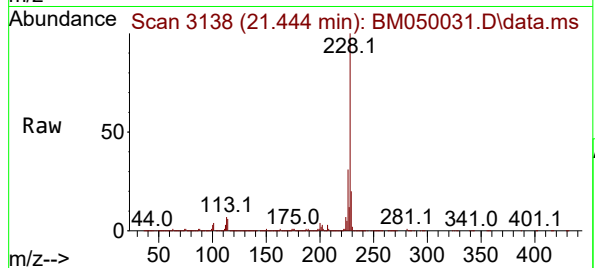




#83
Chrysene
Concen: 81.316 ng
RT: 21.444 min Scan# 3138
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

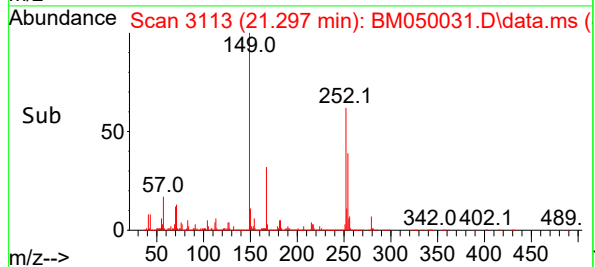
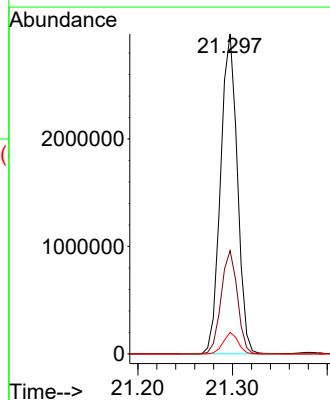
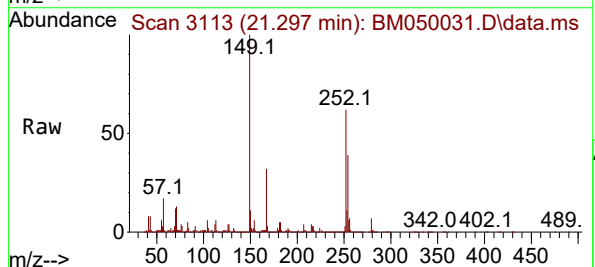
Instrument :
BNA_M
ClientSampleId :
SSTDICC080

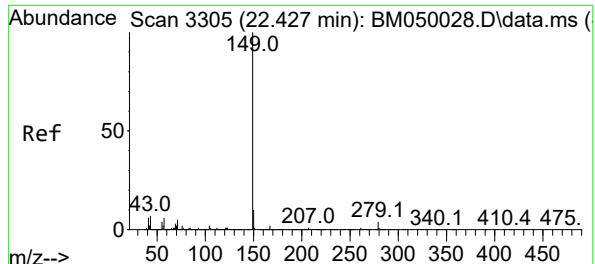
Tgt Ion:228 Resp: 6207632
Ion Ratio Lower Upper
228 100
226 31.2 24.2 36.2
229 20.2 15.7 23.5



#84
Bis(2-ethylhexyl)phthalate
Concen: 77.905 ng
RT: 21.297 min Scan# 3113
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:149 Resp: 3665836
Ion Ratio Lower Upper
149 100
167 32.3 24.1 36.1
279 6.7 3.9 5.9#

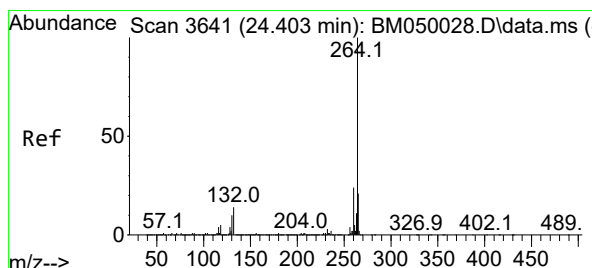
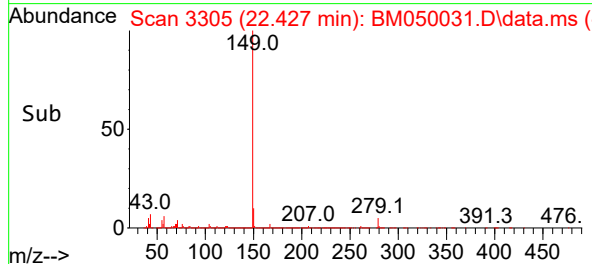
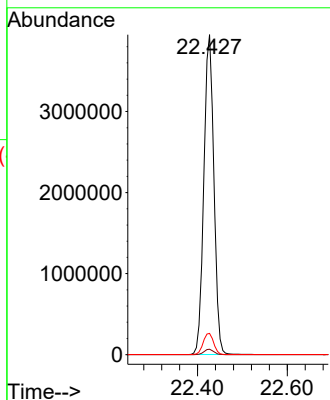
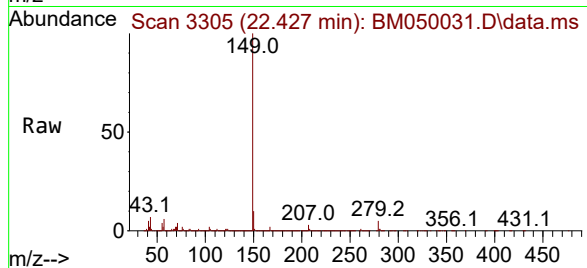




#85
Di-n-octyl phthalate
Concen: 78.732 ng
RT: 22.427 min Scan# 31
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

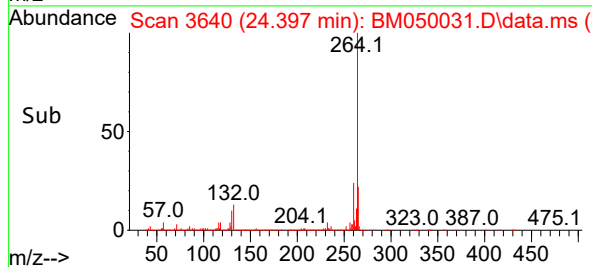
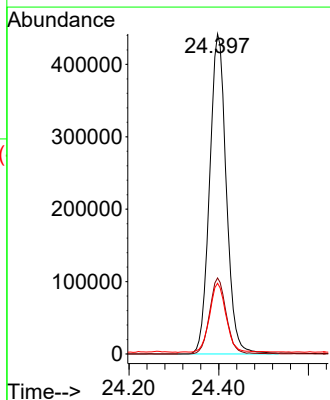
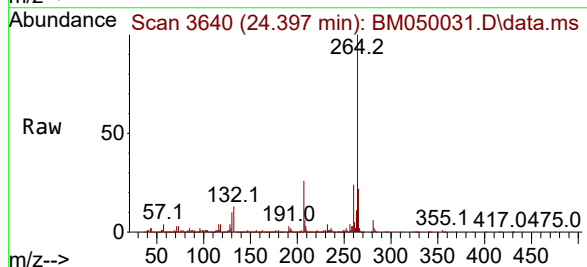
Instrument :
BNA_M
ClientSampleId :
SSTDICC080

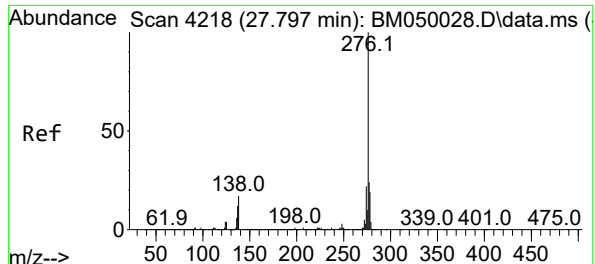
Tgt Ion:149 Resp: 6109632
Ion Ratio Lower Upper
149 100
167 1.7 1.3 1.9
43 7.0 5.8 8.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.397 min Scan# 3640
Delta R.T. -0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:264 Resp: 1141905
Ion Ratio Lower Upper
264 100
260 23.8 18.8 28.2
265 22.1 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 85.629 ng

RT: 27.803 min Scan# 41

Delta R.T. 0.006 min

Lab File: BM050031.D

Acq: 28 Apr 2025 17:04

Instrument :

BNA_M

ClientSampleId :

SSTDICC080

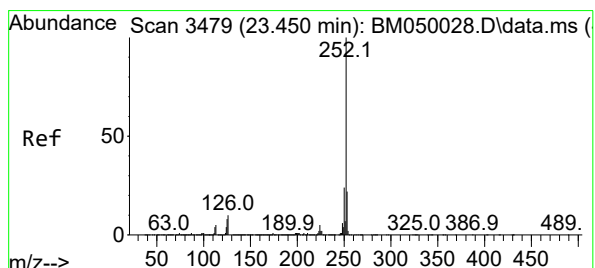
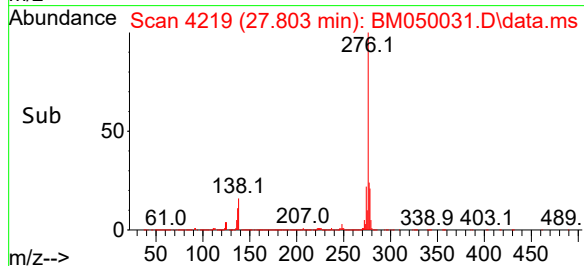
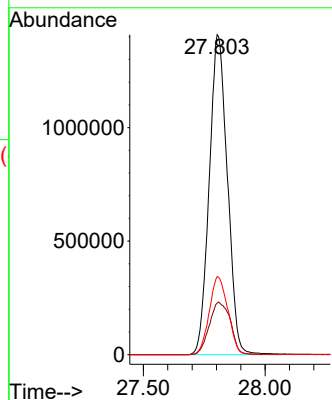
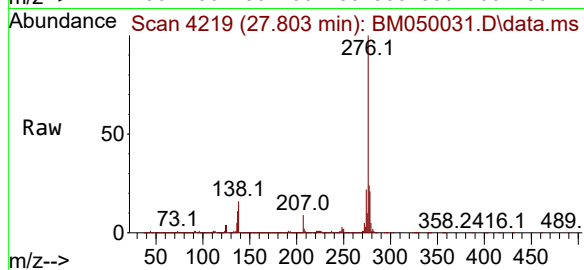
Tgt Ion:276 Resp: 7285836

Ion Ratio Lower Upper

276 100

138 19.2 16.4 24.6

277 25.1 19.8 29.8



#88

Benzo(b)fluoranthene

Concen: 85.480 ng

RT: 23.456 min Scan# 3480

Delta R.T. 0.006 min

Lab File: BM050031.D

Acq: 28 Apr 2025 17:04

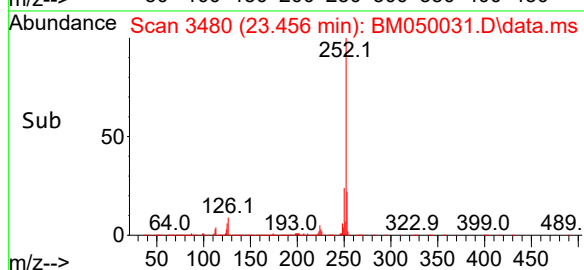
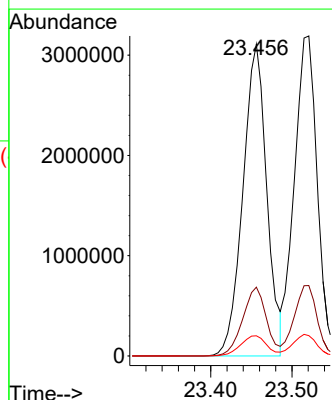
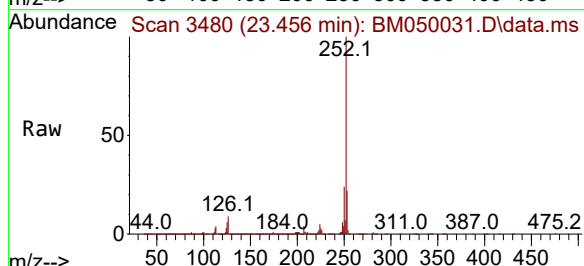
Tgt Ion:252 Resp: 6347901

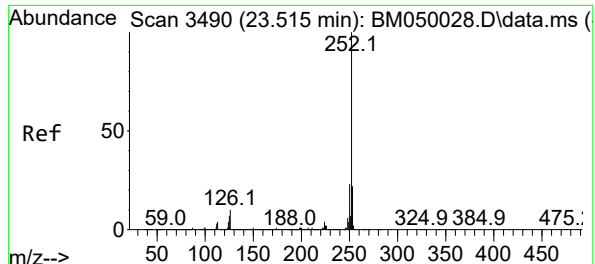
Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

125 6.5 6.1 9.1

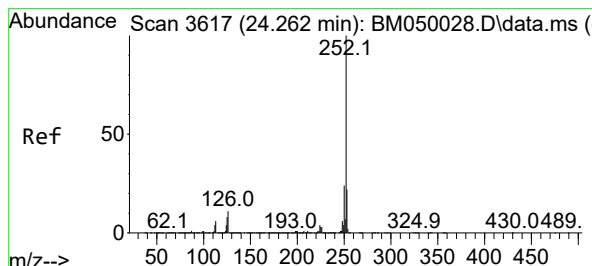
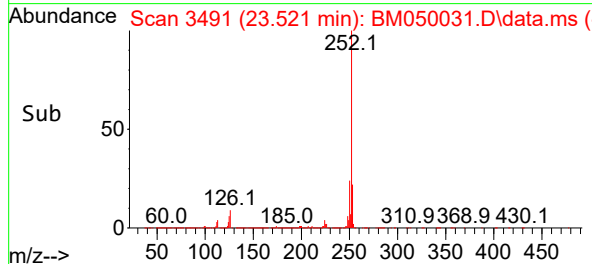
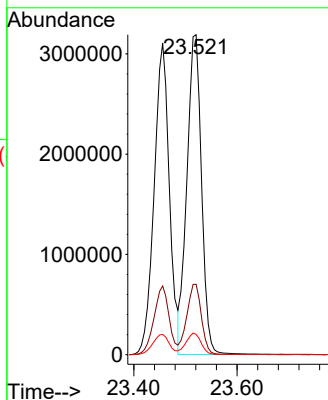
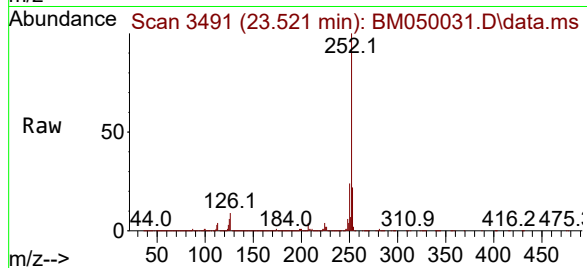




#89
Benzo(k)fluoranthene
Concen: 83.396 ng
RT: 23.521 min Scan# 3491
Delta R.T. 0.006 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

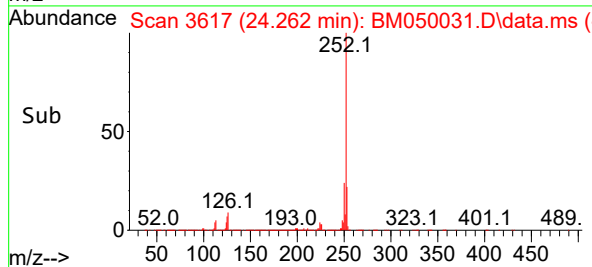
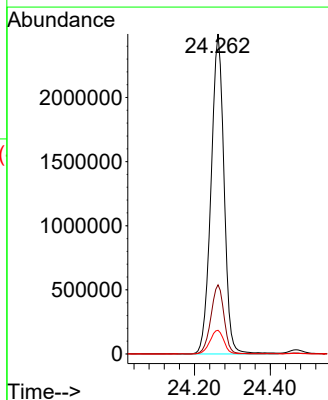
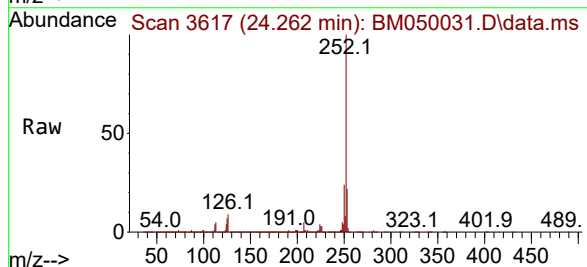
Instrument :
BNA_M
ClientSampleId :
SSTDICC080

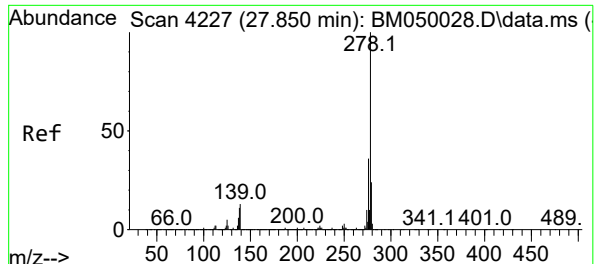
Tgt Ion:252 Resp: 6265924
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.2
125 6.4 5.8 8.8



#90
Benzo(a)pyrene
Concen: 85.195 ng
RT: 24.262 min Scan# 3617
Delta R.T. -0.000 min
Lab File: BM050031.D
Acq: 28 Apr 2025 17:04

Tgt Ion:252 Resp: 5925652
Ion Ratio Lower Upper
252 100
253 21.6 17.4 26.0
125 7.4 6.6 9.8





#91

Dibenzo(a,h)anthracene

Concen: 86.239 ng

RT: 27.850 min Scan# 41

Delta R.T. -0.000 min

Lab File: BM050031.D

Acq: 28 Apr 2025 17:04

Instrument :

BNA_M

ClientSampleId :

SSTDICC080

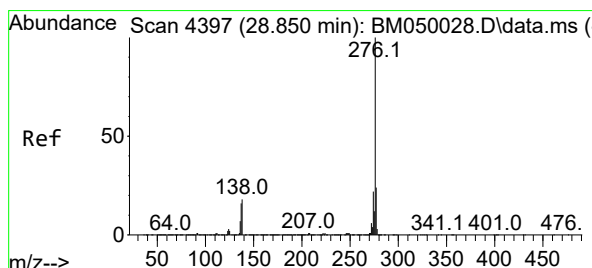
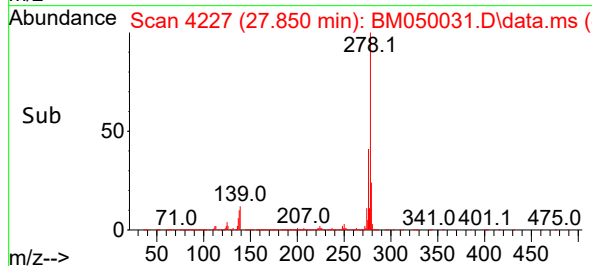
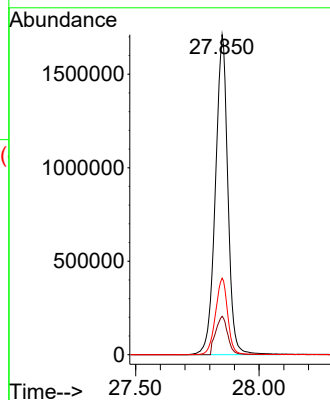
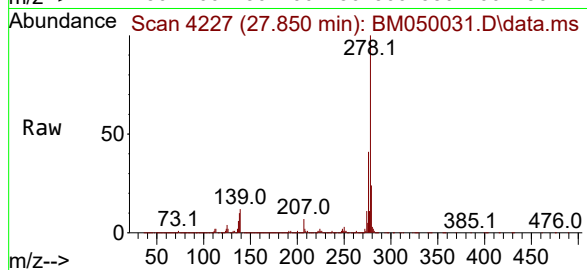
Tgt Ion:278 Resp: 5981478

Ion Ratio Lower Upper

278 100

139 12.0 10.5 15.7

279 23.9 19.4 29.0



#92

Benzo(g,h,i)perylene

Concen: 83.395 ng

RT: 28.862 min Scan# 4399

Delta R.T. 0.012 min

Lab File: BM050031.D

Acq: 28 Apr 2025 17:04

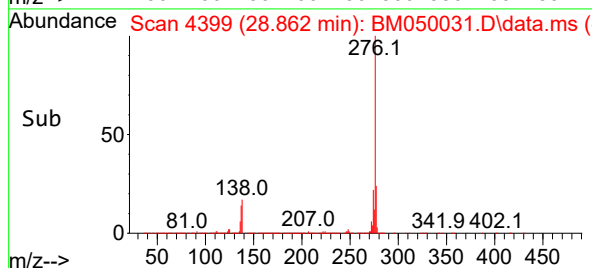
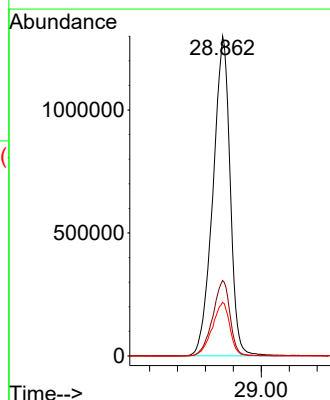
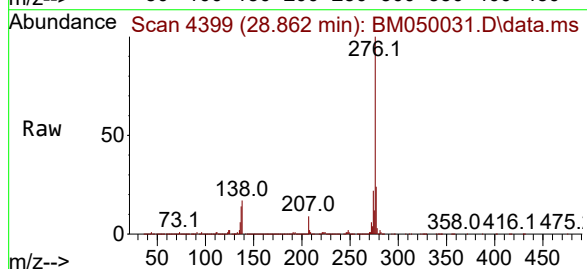
Tgt Ion:276 Resp: 5537637

Ion Ratio Lower Upper

276 100

277 23.6 19.1 28.7

138 16.7 14.3 21.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
 Data File : BM050032.D
 Acq On : 28 Apr 2025 17:43
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 ICVBM042825

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 04/29/2025
 Supervised By :Jagrut Upadhyay 04/29/2025

Quant Time: Apr 28 18:14:31 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	230127	20.000	ng	0.00
21) Naphthalene-d8	10.563	136	877692	20.000	ng	0.00
39) Acenaphthene-d10	14.410	164	605832	20.000	ng	0.00
64) Phenanthrene-d10	17.156	188	1251563	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1285998	20.000	ng	0.00
86) Perylene-d12	24.397	264	1266367	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1155553	87.928	ng	0.00
7) Phenol-d6	6.951	99	1488919	90.140	ng	0.00
23) Nitrobenzene-d5	8.928	82	1385703	77.798	ng	0.00
42) 2,4,6-Tribromophenol	15.904	330	810732	90.503	ng	0.00
45) 2-Fluorobiphenyl	13.027	172	3905385	76.259	ng	0.00
79) Terphenyl-d14	19.780	244	6863055	78.970	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.257	88	253433	44.976	ng	99
3) Pyridine	3.657	79	673723	46.534	ng	98
4) n-Nitrosodimethylamine	3.569	42	260951	45.956	ng	99
6) Aniline	7.098	93	974989	46.744	ng	98
8) 2-Chlorophenol	7.339	128	649705	45.724	ng	99
9) Benzaldehyde	6.910	77	485673m	43.937	ng	
10) Phenol	6.981	94	784469	46.913	ng	98
11) bis(2-Chloroethyl)ether	7.192	93	635601	45.521	ng	98
12) 1,3-Dichlorobenzene	7.657	146	766772	44.672	ng	99
13) 1,4-Dichlorobenzene	7.804	146	774954	44.941	ng	100
14) 1,2-Dichlorobenzene	8.122	146	752460	45.174	ng	100
15) Benzyl Alcohol	8.016	79	551757	48.167	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.298	45	762583	44.929	ng	99
17) 2-Methylphenol	8.222	107	519426	47.153	ng	99
18) Hexachloroethane	8.845	117	274239	44.738	ng	99
19) n-Nitroso-di-n-propyla...	8.575	70	507362	47.892	ng	99
20) 3+4-Methylphenols	8.551	107	713683	47.974	ng	97
22) Acetophenone	8.592	105	985275	45.153	ng	100
24) Nitrobenzene	8.969	77	694640	45.104	ng	99
25) Isophorone	9.498	82	1384372	45.596	ng	99
26) 2-Nitrophenol	9.681	139	370477	47.087	ng	99
27) 2,4-Dimethylphenol	9.751	122	605475	46.404	ng	100
28) bis(2-Chloroethoxy)met...	9.975	93	842968	44.920	ng	100
29) 2,4-Dichlorophenol	10.228	162	677885	46.375	ng	99
30) 1,2,4-Trichlorobenzene	10.428	180	789816	44.348	ng	100
31) Naphthalene	10.610	128	1984698	44.651	ng	100
32) Benzoic acid	9.916	122	384400	46.063	ng	98
33) 4-Chloroaniline	10.727	127	863111	47.375	ng	99
34) Hexachlorobutadiene	10.898	225	497792	44.034	ng	99
35) Caprolactam	11.522	113	198108	46.481	ng	95
36) 4-Chloro-3-methylphenol	11.869	107	632365	46.825	ng	100
37) 2-Methylnaphthalene	12.227	142	1352170	45.374	ng	100
38) 1-Methylnaphthalene	12.445	142	1425407	45.198	ng	100
40) 1,2,4,5-Tetrachloroben...	12.598	216	925725	44.140	ng	100
41) Hexachlorocyclopentadiene	12.574	237	568717	44.374	ng	99
43) 2,4,6-Trichlorophenol	12.851	196	613142	46.094	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
 Data File : BM050032.D
 Acq On : 28 Apr 2025 17:43
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 ICVBM042825

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 04/29/2025
 Supervised By :Jagrut Upadhyay 04/29/2025

Quant Time: Apr 28 18:14:31 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.933	196	663718	46.271	ng	99
46) 1,1'-Biphenyl	13.239	154	1990852	44.207	ng	99
47) 2-Chloronaphthalene	13.286	162	1593769	44.684	ng	100
48) 2-Nitroaniline	13.498	65	398645	47.621	ng	99
49) Acenaphthylene	14.133	152	2548342	45.315	ng	100
50) Dimethylphthalate	13.868	163	2007342	45.338	ng	100
51) 2,6-Dinitrotoluene	13.992	165	435925	47.554	ng	98
52) Acenaphthene	14.474	154	1471672	45.210	ng	100
53) 3-Nitroaniline	14.327	138	427464	48.843	ng	99
54) 2,4-Dinitrophenol	14.545	184	249307	45.189	ng	98
55) Dibenzofuran	14.810	168	2427830	44.828	ng	99
56) 4-Nitrophenol	14.663	139	313065	46.012	ng	99
57) 2,4-Dinitrotoluene	14.786	165	611943	48.311	ng	97
58) Fluorene	15.462	166	2044284	46.115	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.045	232	583198	46.970	ng	98
60) Diethylphthalate	15.233	149	1889827	45.299	ng	99
61) 4-Chlorophenyl-phenyle...	15.457	204	1118837	45.950	ng	99
62) 4-Nitroaniline	15.492	138	427339	50.610	ng	100
63) Azobenzene	15.745	77	1599489	45.747	ng	100
65) 4,6-Dinitro-2-methylph...	15.557	198	367586	46.920	ng	97
66) n-Nitrosodiphenylamine	15.668	169	1709666	44.485	ng	100
67) 4-Bromophenyl-phenylether	16.345	248	665088	43.944	ng	97
68) Hexachlorobenzene	16.468	284	770651	44.174	ng	98
69) Atrazine	16.627	200	616670	44.483	ng	99
70) Pentachlorophenol	16.821	266	452303	46.059	ng	99
71) Phenanthrene	17.198	178	3169143	44.895	ng	99
72) Anthracene	17.292	178	3241829	45.381	ng	100
73) Carbazole	17.562	167	2851516	46.001	ng	100
74) Di-n-butylphthalate	18.121	149	3370238	45.654	ng	100
75) Fluoranthene	19.215	202	3895046	46.998	ng	100
77) Benzidine	19.403	184	2019202	44.204	ng	100
78) Pyrene	19.580	202	3992384	44.209	ng	100
80) Butylbenzylphthalate	20.474	149	1512498	44.718	ng	96
81) Benzo(a)anthracene	21.380	228	4029064	45.497	ng	100
82) 3,3'-Dichlorobenzidine	21.303	252	1487254	43.871	ng	98
83) Chrysene	21.439	228	3685603	44.967	ng	99
84) Bis(2-ethylhexyl)phtha...	21.297	149	2284769	45.224	ng	99
85) Di-n-octyl phthalate	22.427	149	3747091	44.974	ng	100
87) Indeno(1,2,3-cd)pyrene	27.791	276	4364032	46.249	ng	99
88) Benzo(b)fluoranthene	23.450	252	3711451	45.066	ng	100
89) Benzo(k)fluoranthene	23.515	252	3813739	45.780	ng	100
90) Benzo(a)pyrene	24.262	252	3515582	45.577	ng	100
91) Dibenzo(a,h)anthracene	27.838	278	3545295	46.091	ng	100
92) Benzo(g,h,i)perylene	28.850	276	3345997	45.437	ng	100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
 Data File : BM050032.D
 Acq On : 28 Apr 2025 17:43
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

ICVBM042825

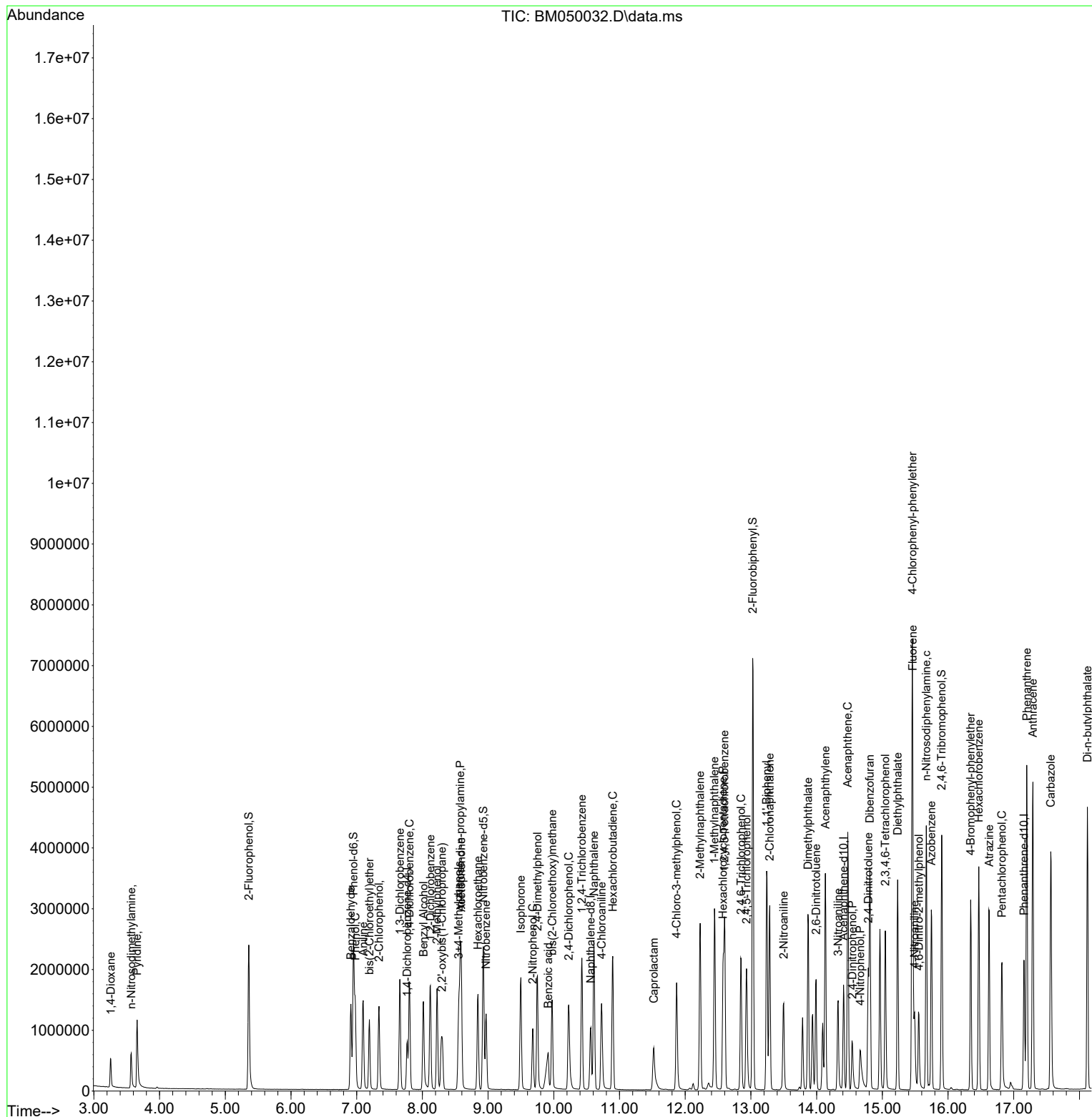
Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/29/2025

Supervised By :Jagrut Upadhyay 04/29/2025

Quant Time: Apr 28 18:14:31 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
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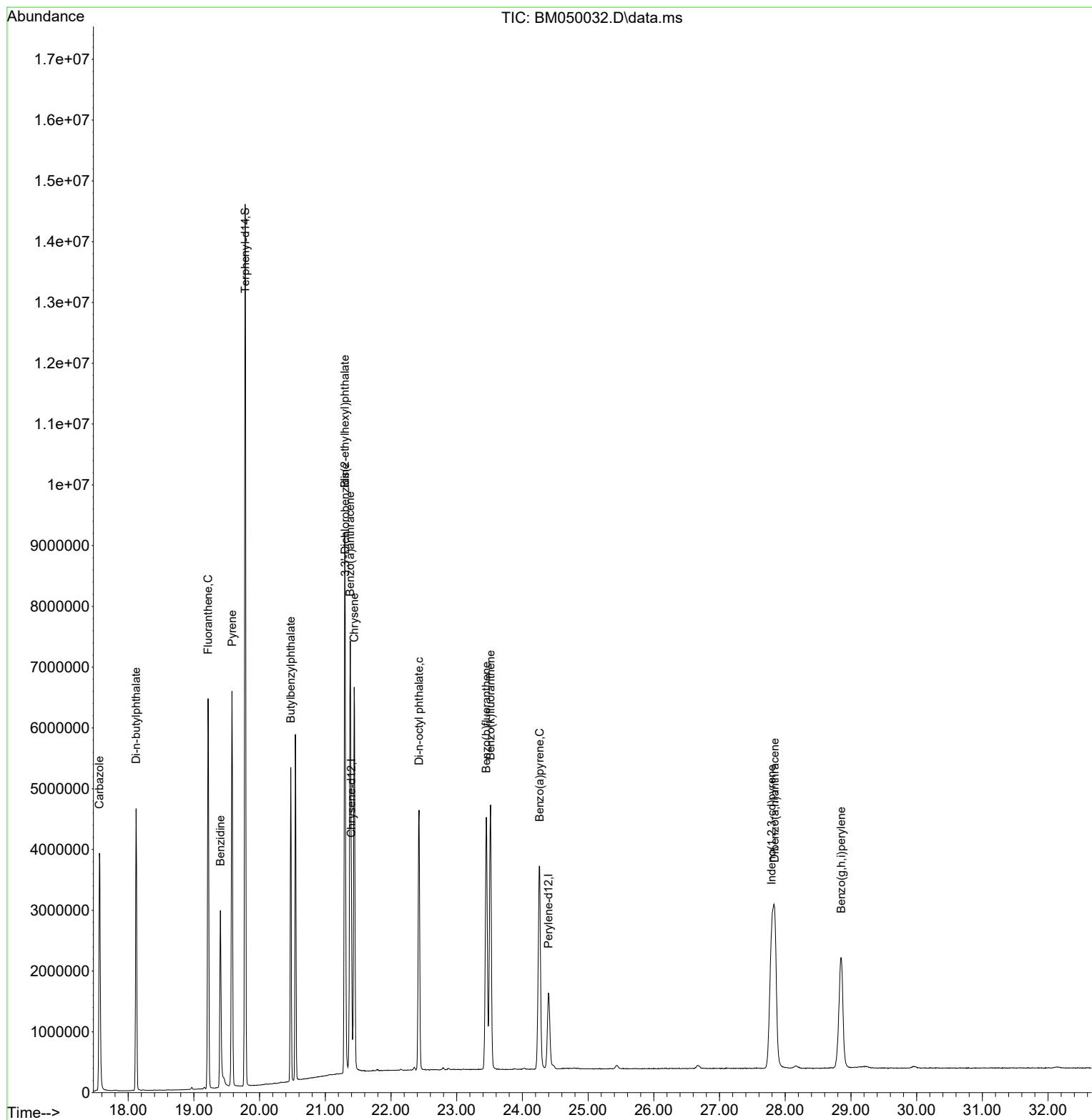
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Acq On : 28 Apr 2025 17:43
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

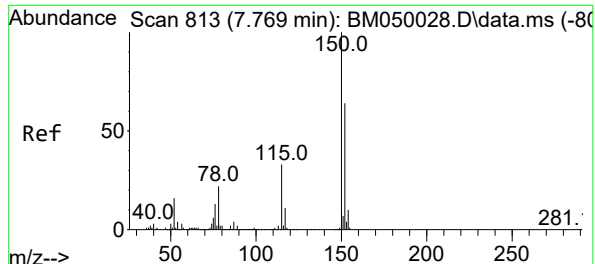
Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

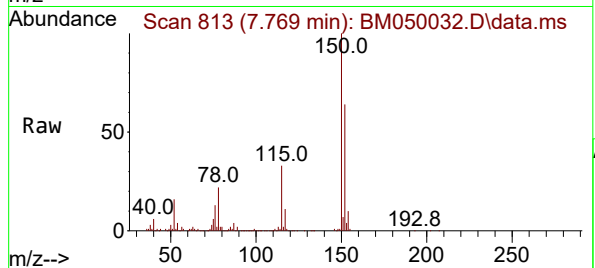
Quant Time: Apr 28 18:14:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.769 min Scan# 813
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

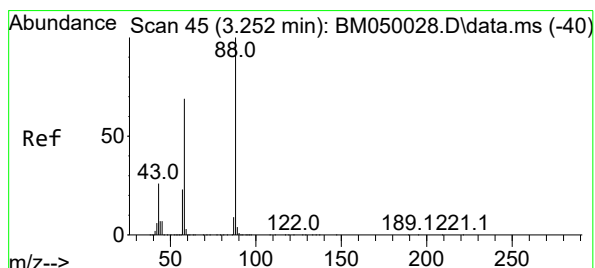
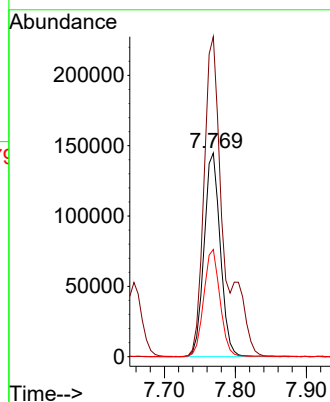
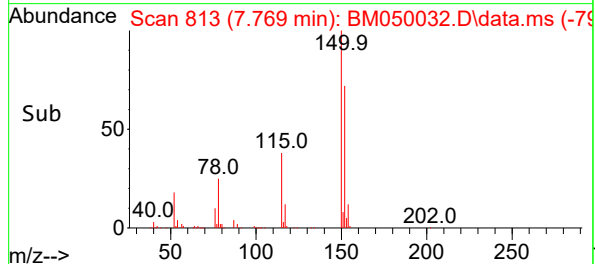
Instrument :
BNA_M
ClientSampleId :
ICVBM042825



Tgt Ion: 152 Resp: 23012
Ion Ratio Lower Upper
152 100
150 157.2 124.1 186.1
115 52.6 41.2 61.8

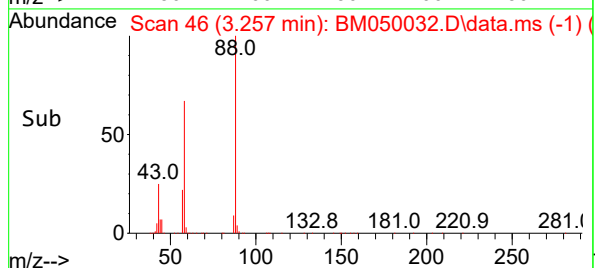
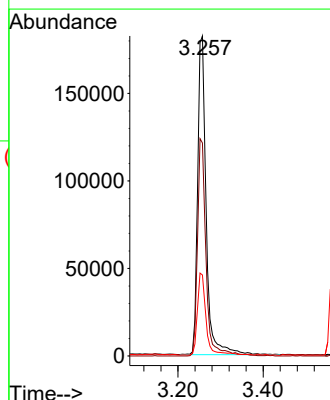
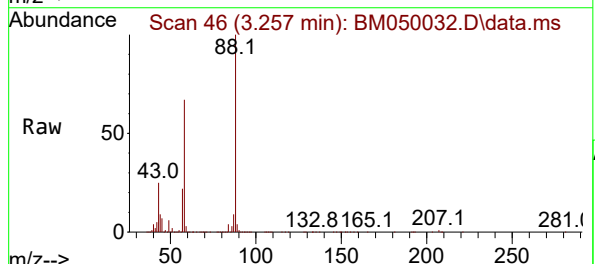
Manual Integrations
APPROVED

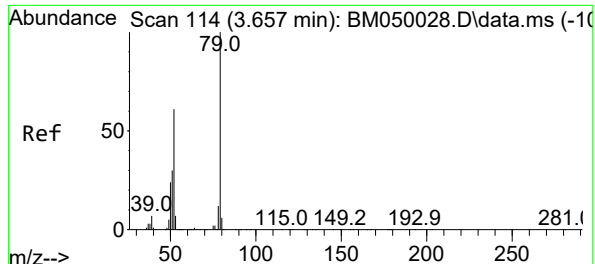
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#2
1,4-Dioxane
Concen: 44.976 ng
RT: 3.257 min Scan# 46
Delta R.T. 0.006 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion: 88 Resp: 253433
Ion Ratio Lower Upper
88 100
58 67.9 55.1 82.7
43 25.9 20.9 31.3





#3

Pyridine

Concen: 46.534 ng

RT: 3.657 min Scan# 114

Delta R.T. -0.000 min

Lab File: BM050032.D

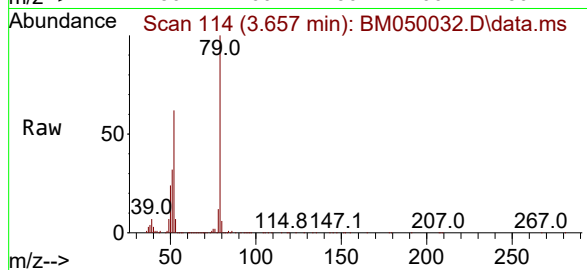
Acq: 28 Apr 2025 17:43

Instrument :

BNA_M

ClientSampleId :

ICVBM042825



Tgt Ion: 79 Resp: 67372

Ion Ratio Lower Upper

79 100

52 62.0 48.6 72.8

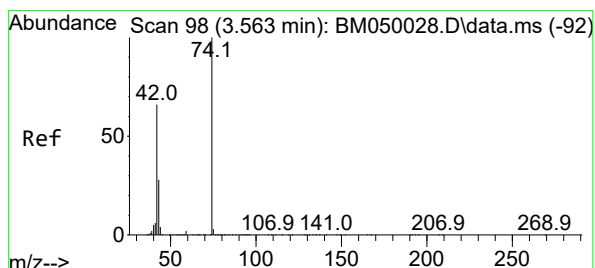
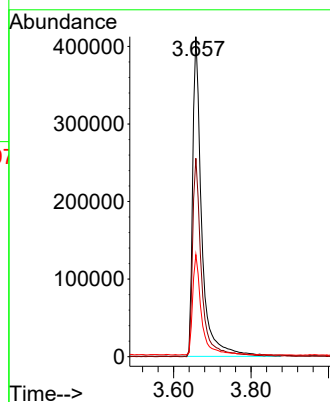
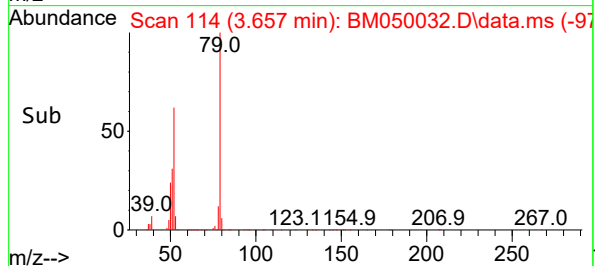
51 31.9 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/29/2025

Supervised By :Jagrut Upadhyay 04/29/2025



#4

n-Nitrosodimethylamine

Concen: 45.956 ng

RT: 3.569 min Scan# 99

Delta R.T. 0.006 min

Lab File: BM050032.D

Acq: 28 Apr 2025 17:43

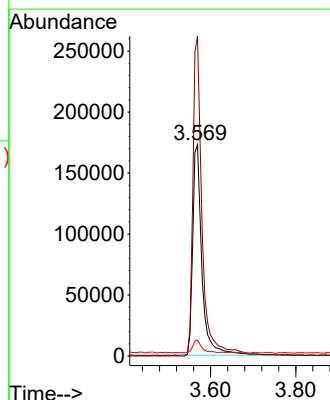
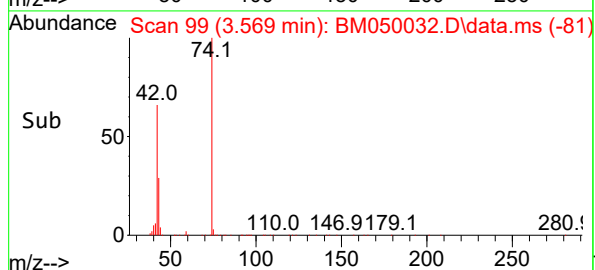
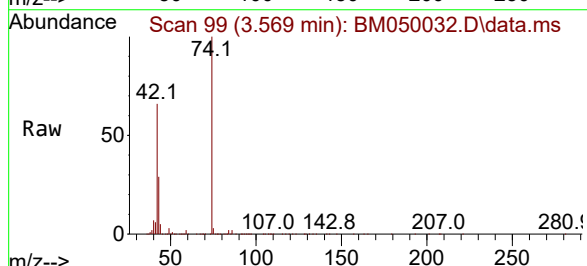
Tgt Ion: 42 Resp: 260951

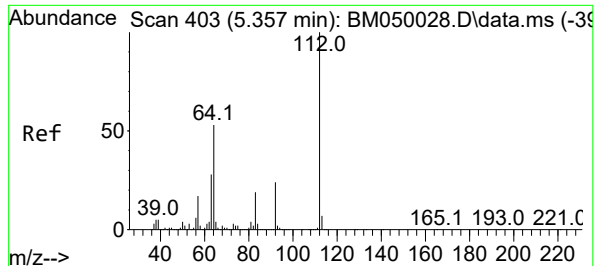
Ion Ratio Lower Upper

42 100

74 151.5 120.2 180.2

44 7.3 6.2 9.2





#5

2-Fluorophenol

Concen: 87.928 ng

RT: 5.357 min Scan# 403

Delta R.T. -0.000 min

Lab File: BM050032.D

Acq: 28 Apr 2025 17:43

Instrument :

BNA_M

ClientSampleId :

ICVBM042825

Tgt Ion:112 Resp: 115555

Ion Ratio Lower Upper

112 100

64 52.4 42.6 64.0

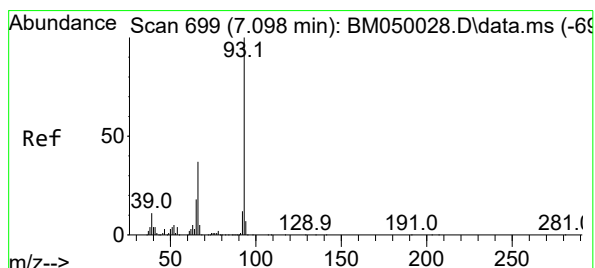
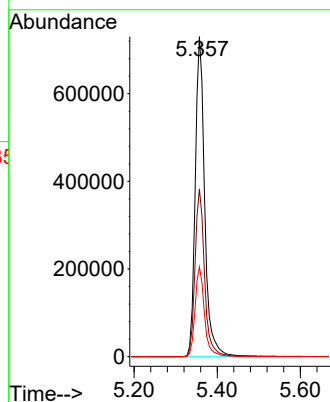
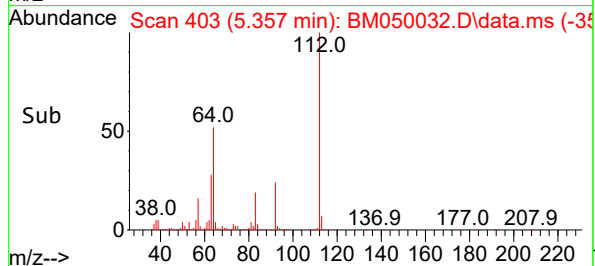
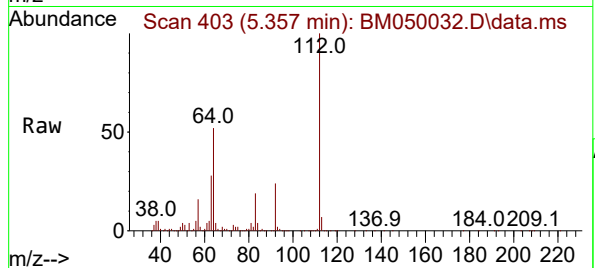
63 28.0 22.2 33.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/29/2025

Supervised By :Jagrut Upadhyay 04/29/2025



#6

Aniline

Concen: 46.744 ng

RT: 7.098 min Scan# 699

Delta R.T. -0.000 min

Lab File: BM050032.D

Acq: 28 Apr 2025 17:43

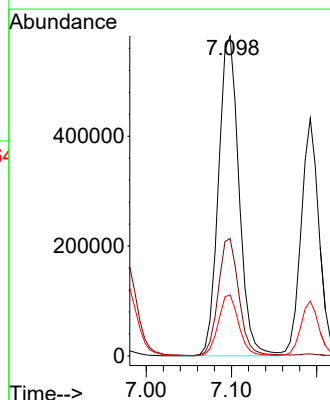
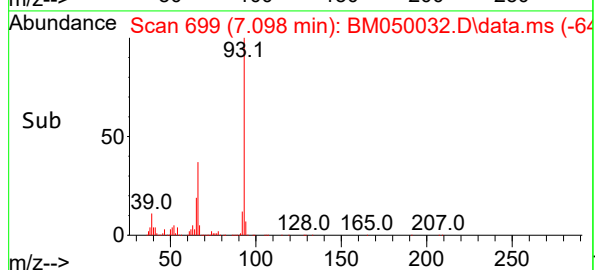
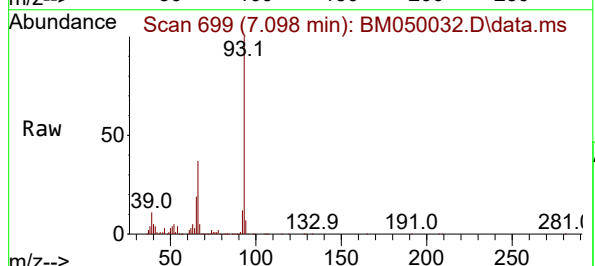
Tgt Ion: 93 Resp: 974989

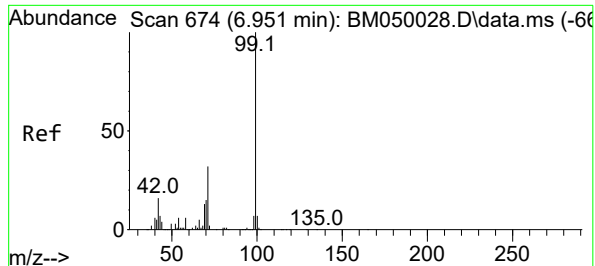
Ion Ratio Lower Upper

93 100

66 36.7 29.9 44.9

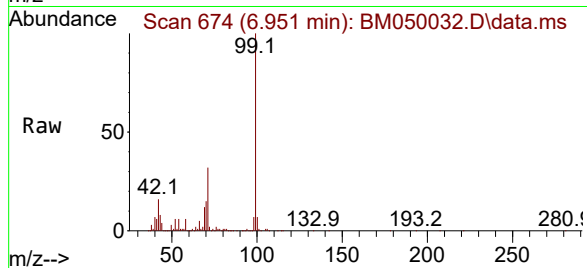
65 19.1 14.5 21.7





#7
Phenol-d6
Concen: 90.140 ng
RT: 6.951 min Scan# 674
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

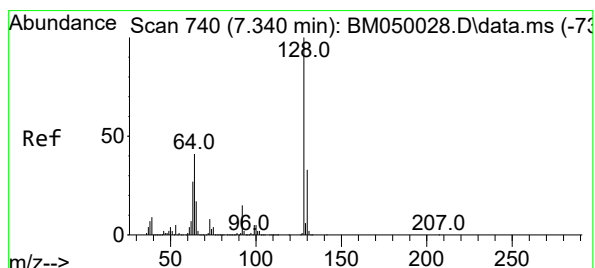
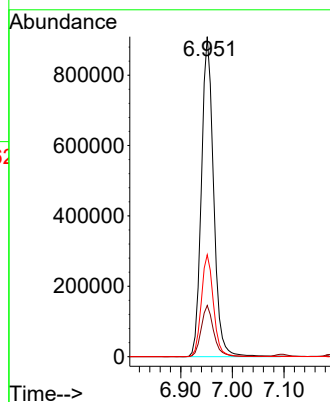
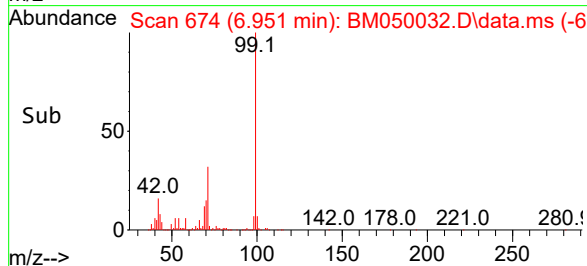
Instrument :
BNA_M
ClientSampleId :
ICVBM042825



Tgt Ion: 99 Resp: 1488919
Ion Ratio Lower Upper
99 100
42 16.0 13.0 19.4
71 31.9 25.6 38.4

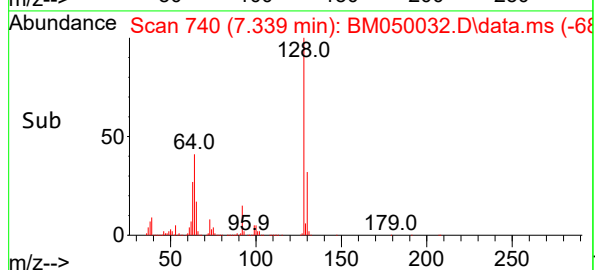
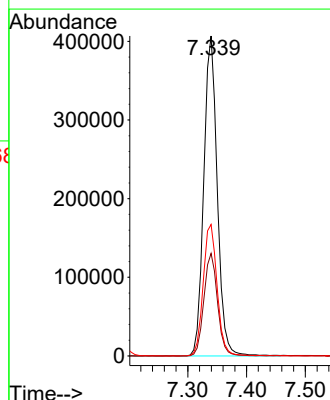
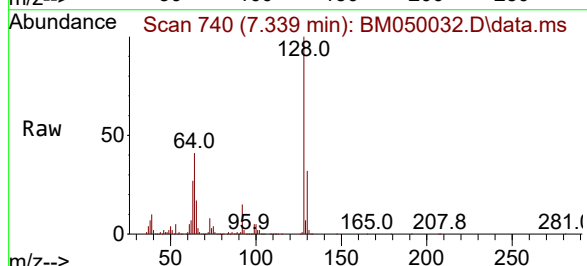
Manual Integrations
APPROVED

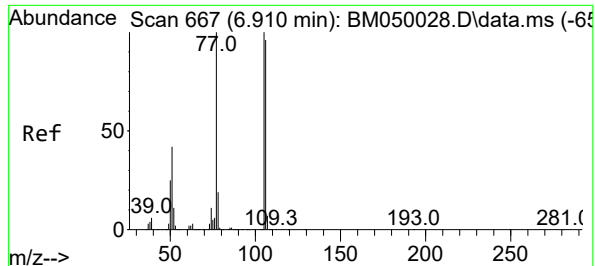
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#8
2-Chlorophenol
Concen: 45.724 ng
RT: 7.339 min Scan# 740
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

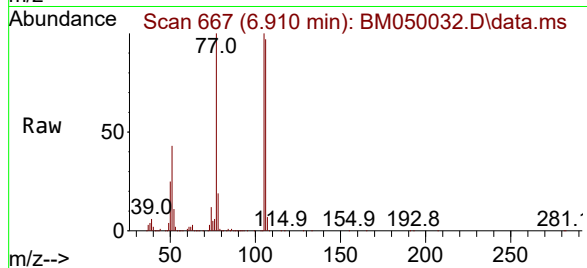
Tgt Ion:128 Resp: 649705
Ion Ratio Lower Upper
128 100
130 32.0 12.8 52.8
64 41.1 21.2 61.2





#9
Benzaldehyde
Concen: 43.937 ng m
RT: 6.910 min Scan# 667
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

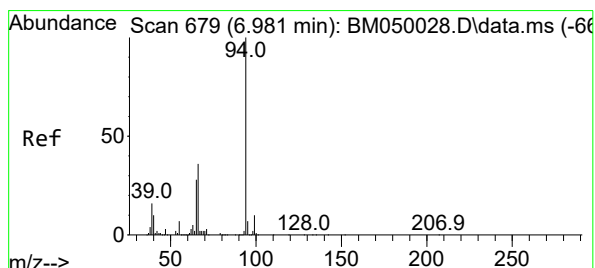
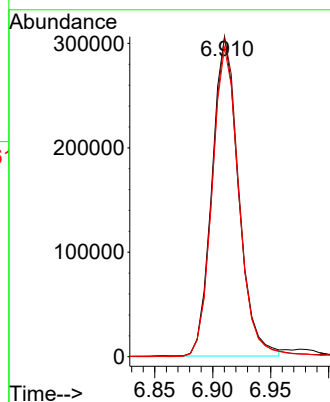
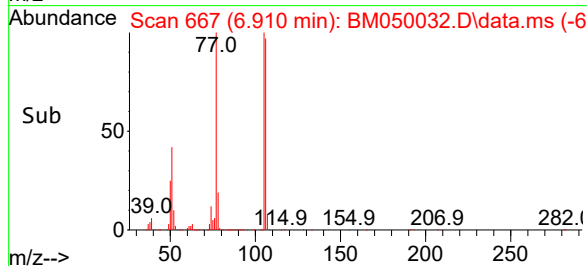
Instrument :
BNA_M
ClientSampleId :
ICVBM042825



Tgt Ion: 77 Resp: 48567
Ion Ratio Lower Upper
77 100
105 99.8 80.5 120.5
106 96.6 76.1 116.1

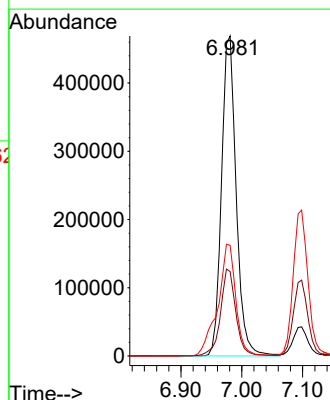
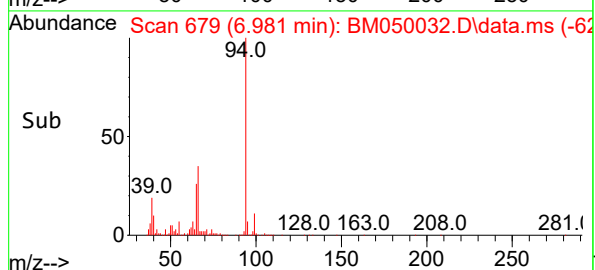
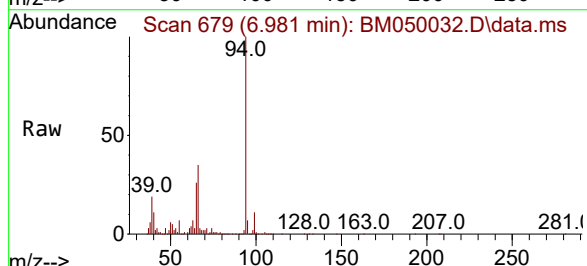
Manual Integrations
APPROVED

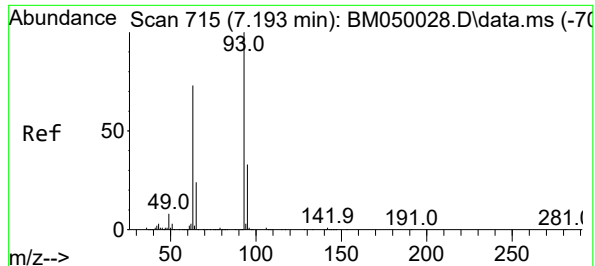
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#10
Phenol
Concen: 46.913 ng
RT: 6.981 min Scan# 679
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion: 94 Resp: 784469
Ion Ratio Lower Upper
94 100
65 26.4 7.6 47.6
66 34.6 15.8 55.8





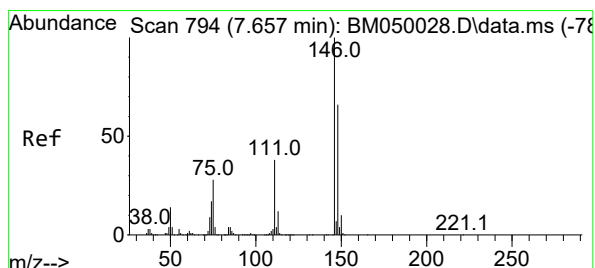
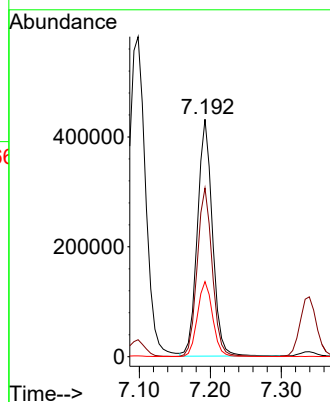
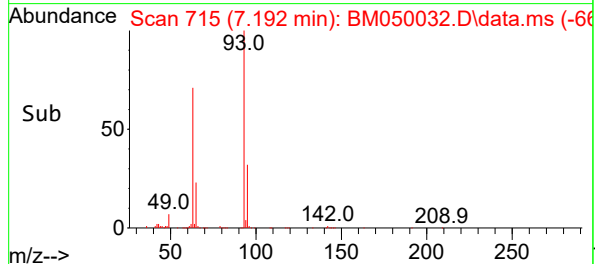
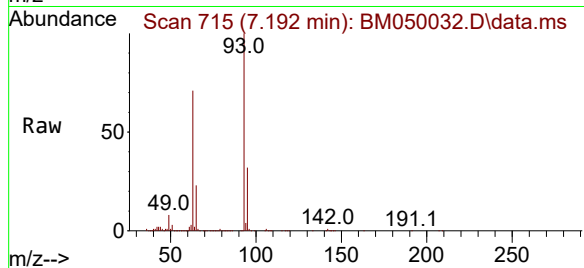
#11
bis(2-Chloroethyl)ether
Concen: 45.521 ng
RT: 7.192 min Scan# 715
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Tgt Ion: 93 Resp: 63560
Ion Ratio Lower Upper
93 100
63 71.0 52.3 92.3
95 31.6 12.8 52.8

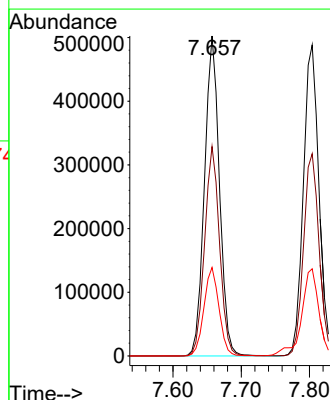
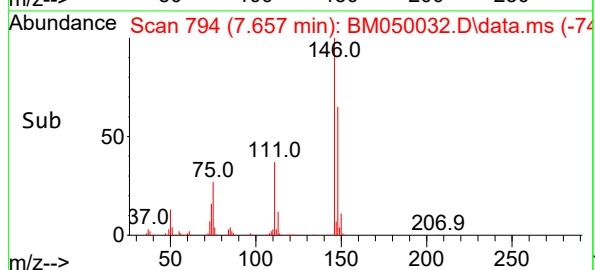
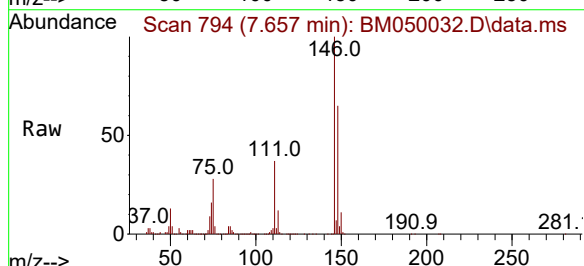
Manual Integrations
APPROVED

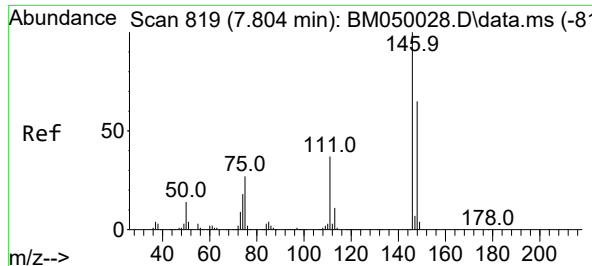
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#12
1,3-Dichlorobenzene
Concen: 44.672 ng
RT: 7.657 min Scan# 794
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:146 Resp: 766772
Ion Ratio Lower Upper
146 100
148 65.4 52.5 78.7
75 27.6 22.6 34.0





#13

1,4-Dichlorobenzene

Concen: 44.941 ng

RT: 7.804 min Scan# 819

Delta R.T. -0.000 min

Lab File: BM050032.D

Acq: 28 Apr 2025 17:43

Instrument :

BNA_M

ClientSampleId :

ICVBM042825

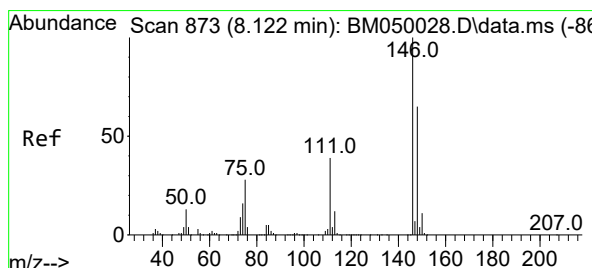
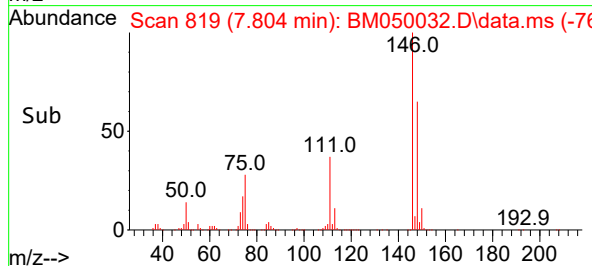
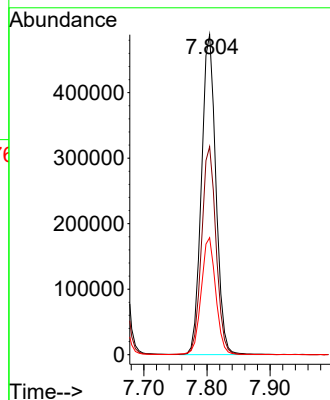
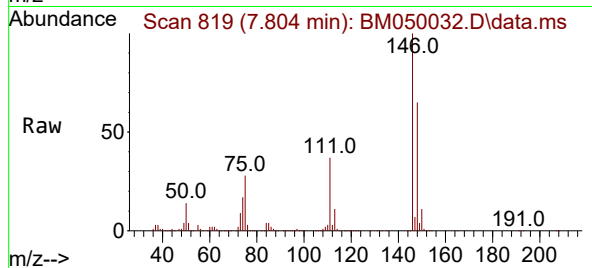
Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.0	52.2	78.2
111	36.6	29.3	43.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/29/2025

Supervised By :Jagrut Upadhyay 04/29/2025



#14

1,2-Dichlorobenzene

Concen: 45.174 ng

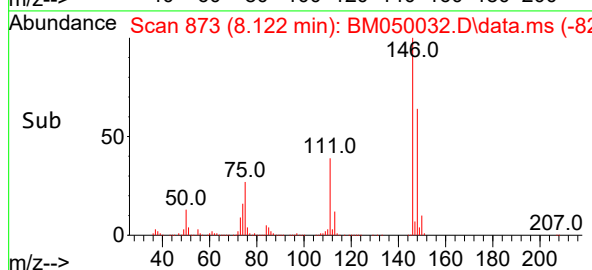
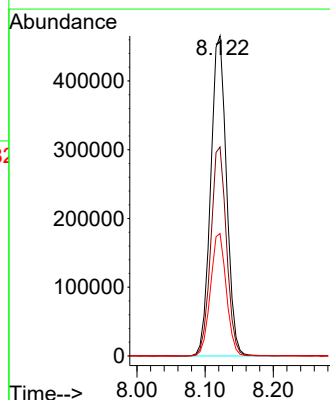
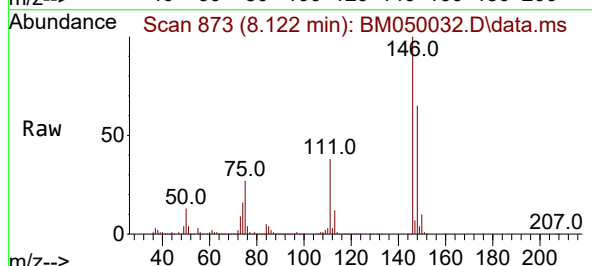
RT: 8.122 min Scan# 873

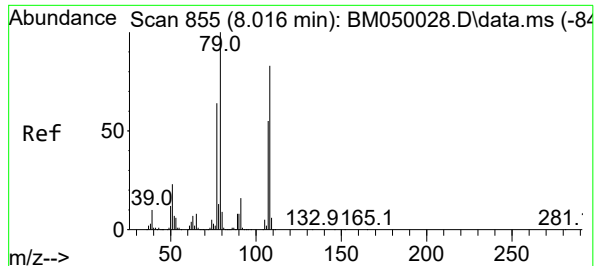
Delta R.T. -0.000 min

Lab File: BM050032.D

Acq: 28 Apr 2025 17:43

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.3	52.4	78.6
111	38.3	31.0	46.6





#15

Benzyl Alcohol

Concen: 48.167 ng

RT: 8.016 min Scan# 855

Delta R.T. -0.000 min

Lab File: BM050032.D

Acq: 28 Apr 2025 17:43

Instrument :

BNA_M

ClientSampleId :

ICVBM042825

Tgt Ion: 79 Resp: 55175

Ion Ratio Lower Upper

79 100

108 79.4 66.0 99.0

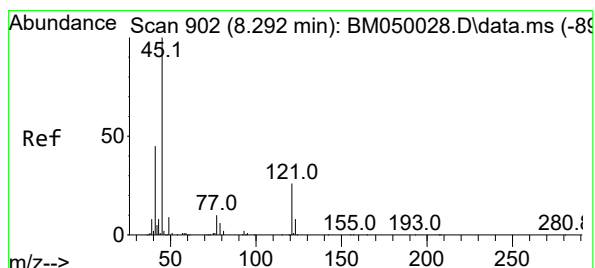
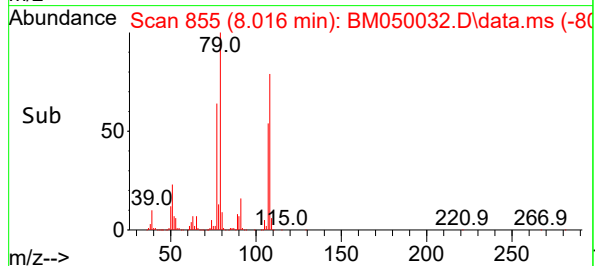
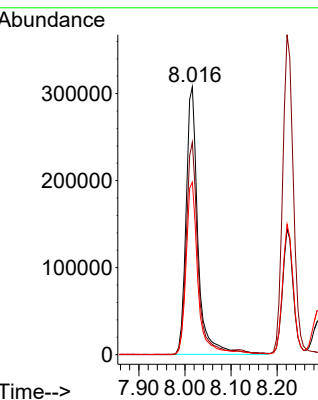
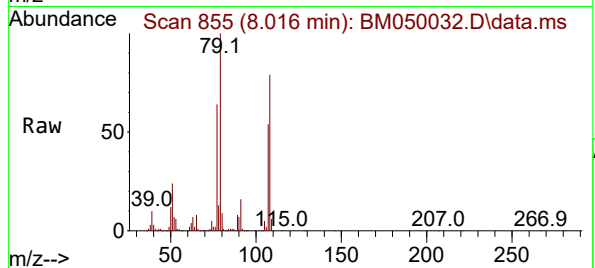
77 64.4 51.6 77.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/29/2025

Supervised By :Jagrut Upadhyay 04/29/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 44.929 ng

RT: 8.298 min Scan# 903

Delta R.T. 0.006 min

Lab File: BM050032.D

Acq: 28 Apr 2025 17:43

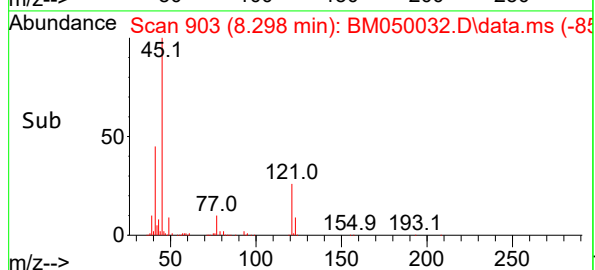
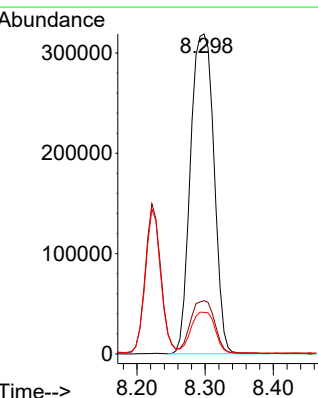
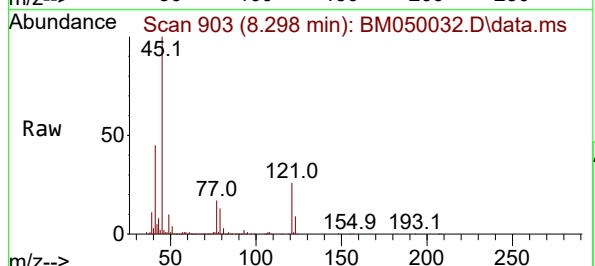
Tgt Ion: 45 Resp: 762583

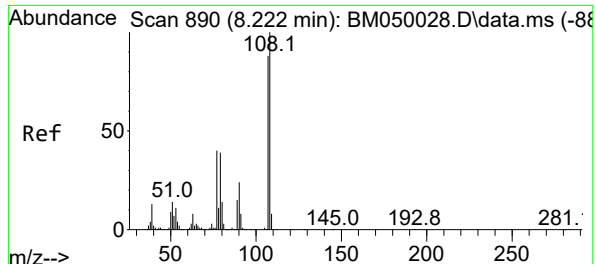
Ion Ratio Lower Upper

45 100

77 16.7 0.0 36.4

79 13.0 0.0 32.7





#17

2-Methylphenol

Concen: 47.153 ng

RT: 8.222 min Scan# 890

Delta R.T. -0.000 min

Lab File: BM050032.D

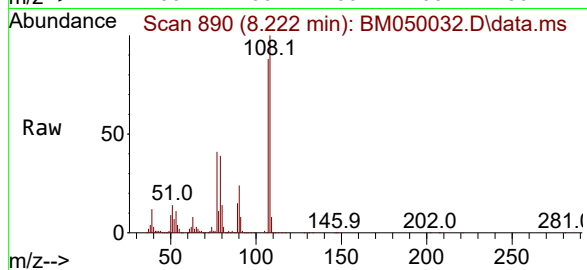
Acq: 28 Apr 2025 17:43

Instrument :

BNA_M

ClientSampleId :

ICVBM042825



Tgt Ion:107 Resp: 519420

Ion Ratio Lower Upper

107 100

108 114.1 91.1 136.7

77 46.5 36.2 54.4

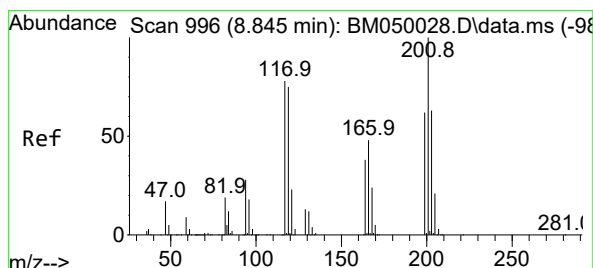
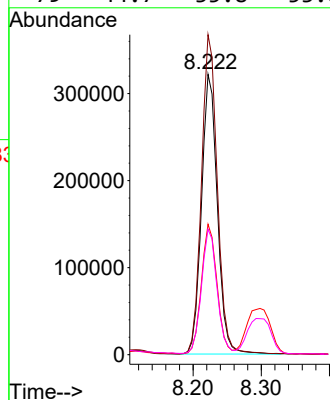
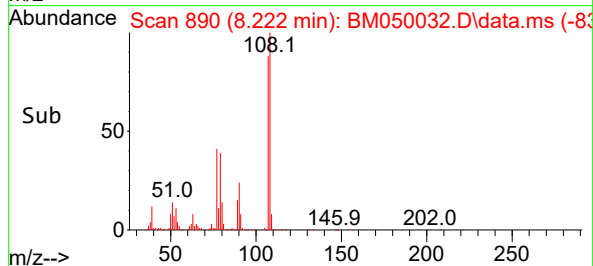
79 44.7 35.8 53.8

Manual Integrations

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Reviewed By :Rahul Chavli 04/29/2025

Supervised By :Jagrut Upadhyay 04/29/2025



#18

Hexachloroethane

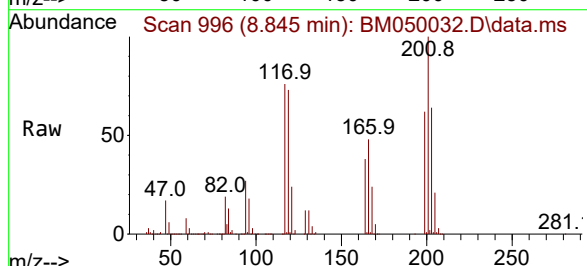
Concen: 44.738 ng

RT: 8.845 min Scan# 996

Delta R.T. -0.000 min

Lab File: BM050032.D

Acq: 28 Apr 2025 17:43



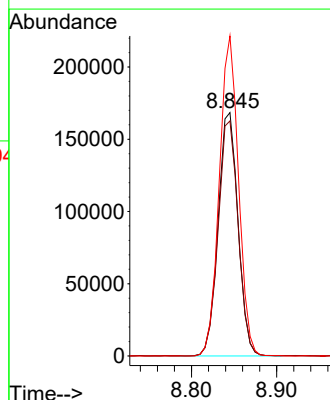
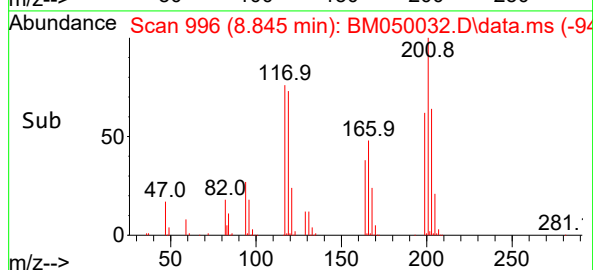
Tgt Ion:117 Resp: 274239

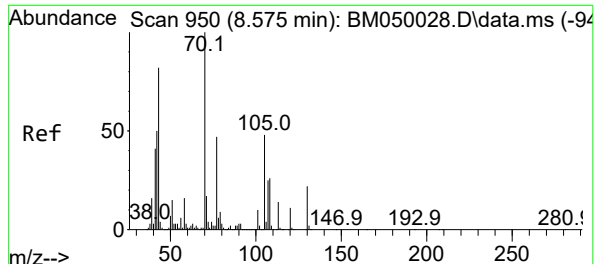
Ion Ratio Lower Upper

117 100

119 96.5 77.3 115.9

201 131.4 102.8 154.2





#19

n-Nitroso-di-n-propylamine

Concen: 47.892 ng

RT: 8.575 min Scan# 91

Delta R.T. -0.000 min

Lab File: BM050032.D

Acq: 28 Apr 2025 17:43

Instrument :

BNA_M

ClientSampleId :

ICVBM042825

Tgt Ion: 70 Resp: 507362

Ion Ratio Lower Upper

70 100

42 49.7 40.5 60.7

101 9.7 7.8 11.6

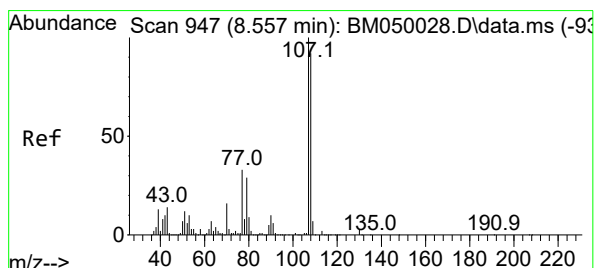
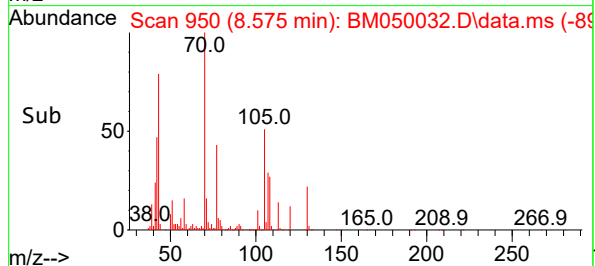
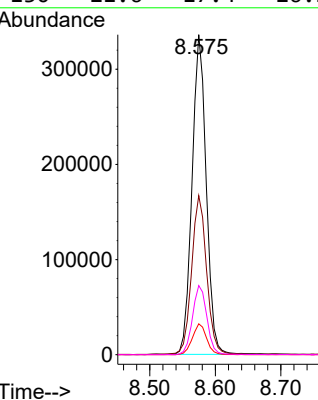
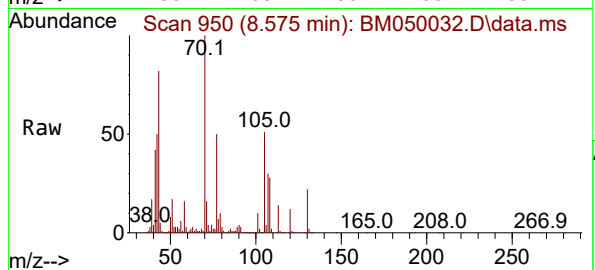
130 21.6 17.4 26.2

Manual Integrations

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Reviewed By :Rahul Chavli 04/29/2025

Supervised By :Jagrut Upadhyay 04/29/2025



#20

3+4-Methylphenols

Concen: 47.974 ng

RT: 8.551 min Scan# 946

Delta R.T. -0.006 min

Lab File: BM050032.D

Acq: 28 Apr 2025 17:43

Tgt Ion:107 Resp: 713683

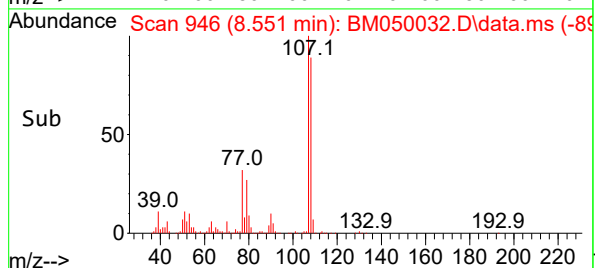
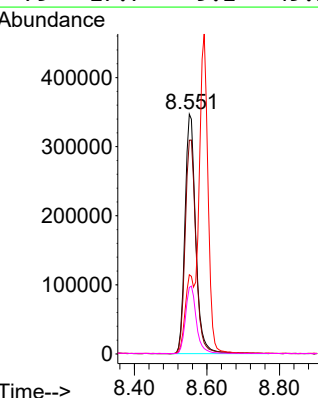
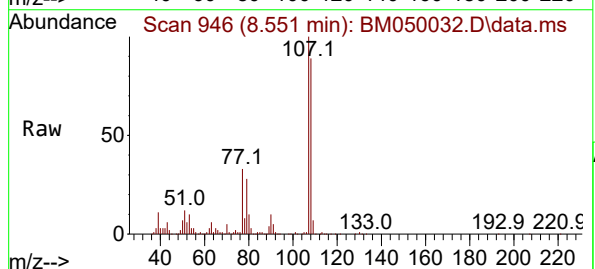
Ion Ratio Lower Upper

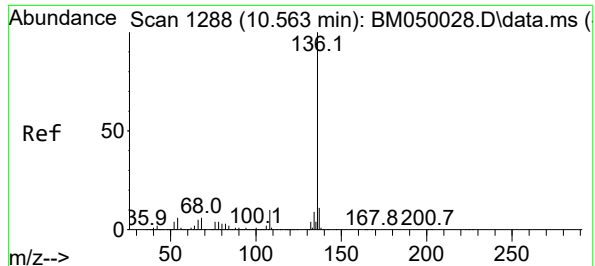
107 100

108 89.1 72.4 112.4

77 33.0 13.6 53.6

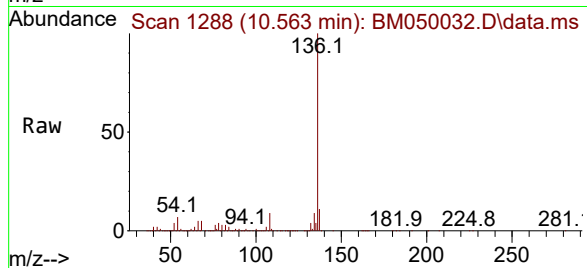
79 27.7 9.2 49.2





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.563 min Scan# 1288
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

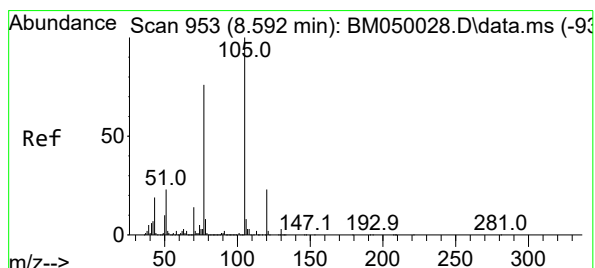
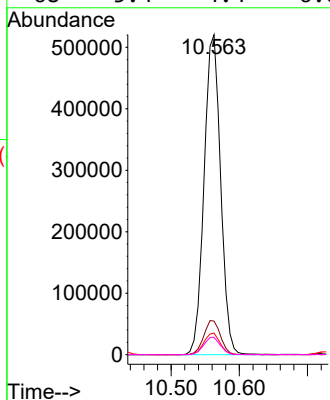
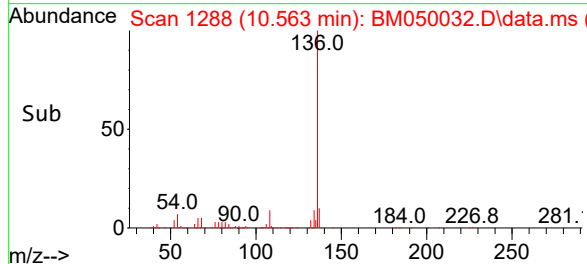
Instrument :
BNA_M
ClientSampleId :
ICVBM042825



Tgt Ion:136 Resp: 877692
Ion Ratio Lower Upper
136 100
137 10.5 8.9 13.3
54 6.7 5.1 7.7
68 5.4 4.4 6.6

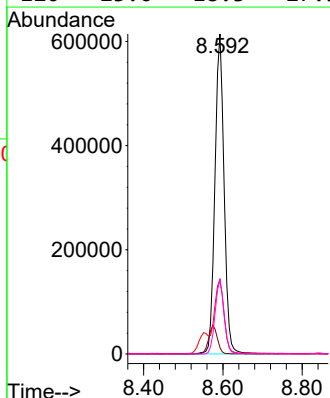
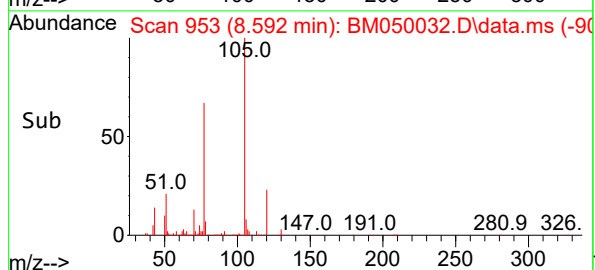
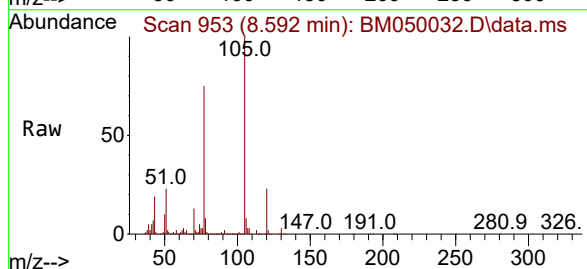
Manual Integrations
APPROVED

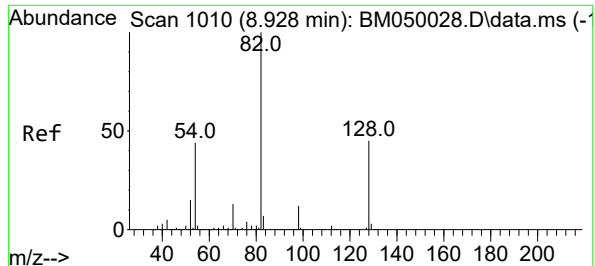
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#22
Acetophenone
Concen: 45.153 ng
RT: 8.592 min Scan# 953
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:105 Resp: 985275
Ion Ratio Lower Upper
105 100
71 2.0 1.7 2.5
51 23.3 18.6 27.8
120 23.0 18.3 27.5





#23
Nitrobenzene-d5
Concen: 77.798 ng
RT: 8.928 min Scan# 1010
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Instrument :

BNA_M

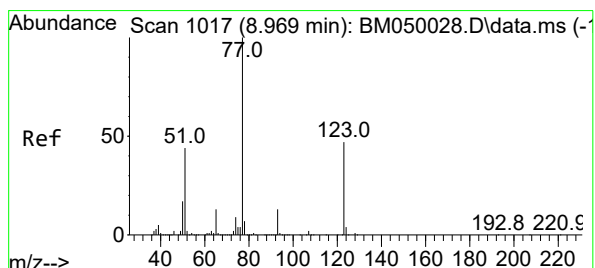
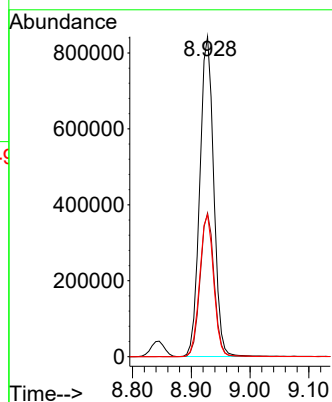
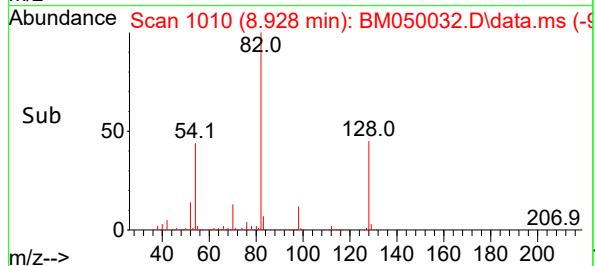
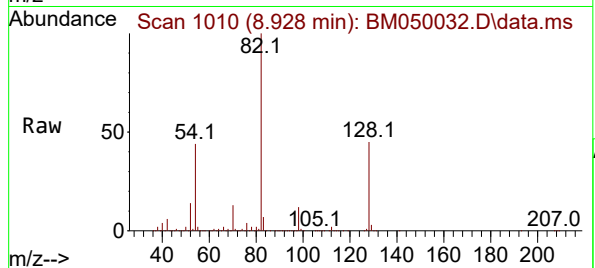
ClientSampleId :

ICVBM042825

Tgt Ion: 82 Resp: 138570
Ion Ratio Lower Upper
82 100
128 44.9 35.7 53.5
54 44.4 35.4 53.2

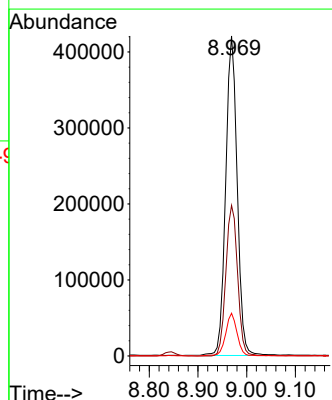
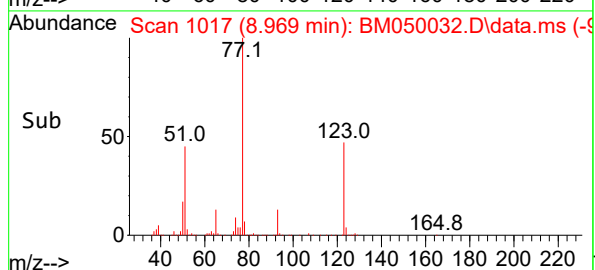
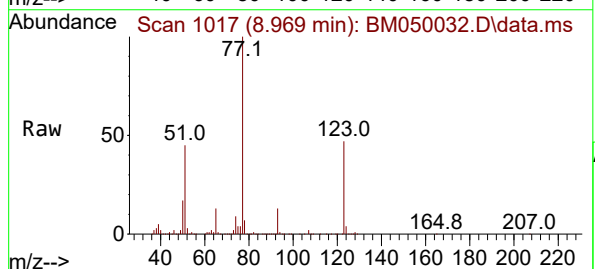
Manual Integrations
APPROVED

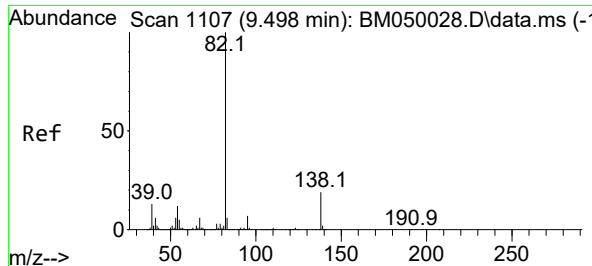
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#24
Nitrobenzene
Concen: 45.104 ng
RT: 8.969 min Scan# 1017
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

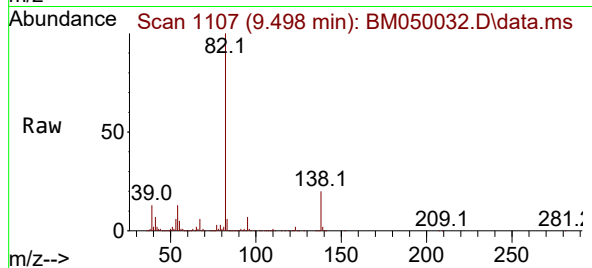
Tgt Ion: 77 Resp: 694640
Ion Ratio Lower Upper
77 100
123 47.1 37.9 56.9
65 13.3 10.1 15.1





#25
Isophorone
Concen: 45.596 ng
RT: 9.498 min Scan# 1107
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

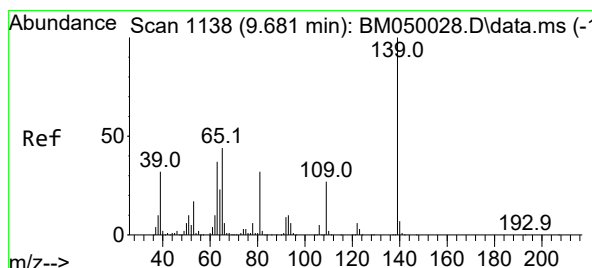
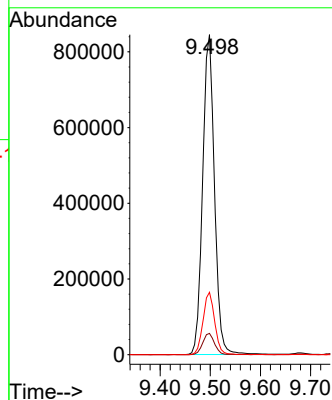
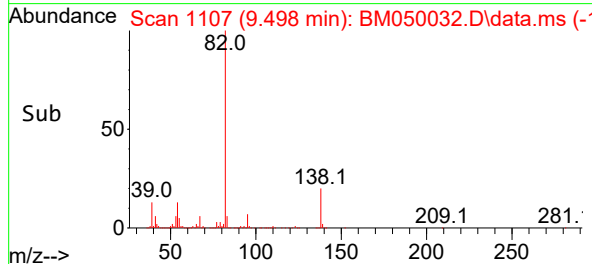
Instrument :
BNA_M
ClientSampleId :
ICVBM042825



Tgt Ion: 82 Resp: 1384372
Ion Ratio Lower Upper
82 100
95 6.6 5.7 8.5
138 19.5 15.5 23.3

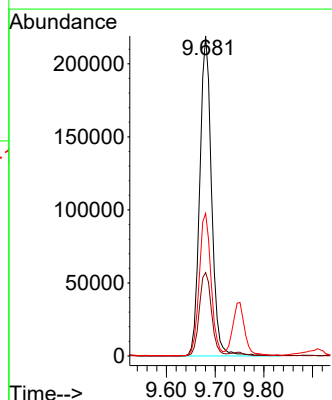
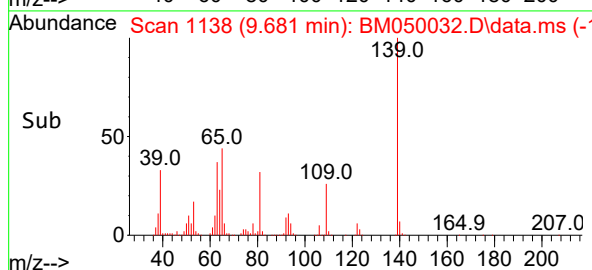
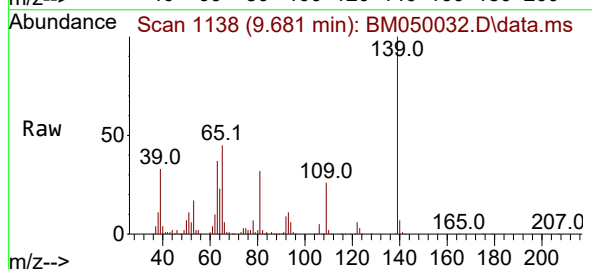
Manual Integrations
APPROVED

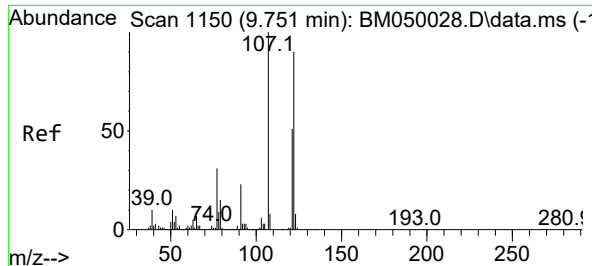
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#26
2-Nitrophenol
Concen: 47.087 ng
RT: 9.681 min Scan# 1138
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

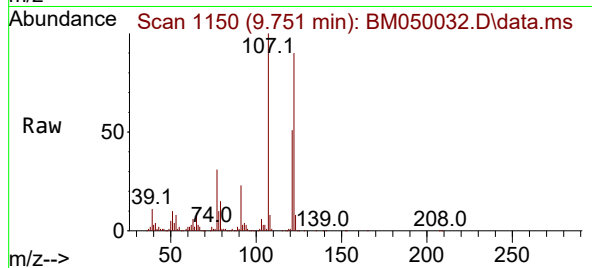
Tgt Ion:139 Resp: 370477
Ion Ratio Lower Upper
139 100
109 26.1 21.9 32.9
65 44.5 35.4 53.2





#27
2,4-Dimethylphenol
Concen: 46.404 ng
RT: 9.751 min Scan# 1150
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

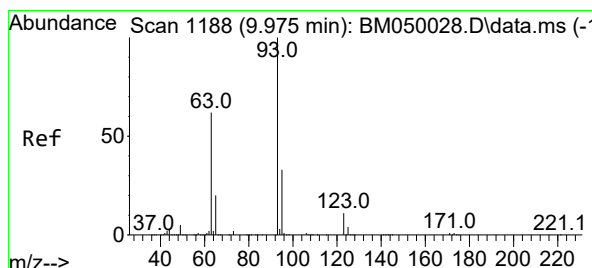
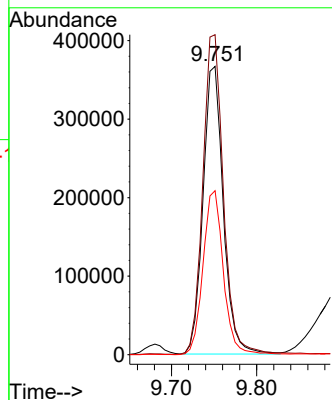
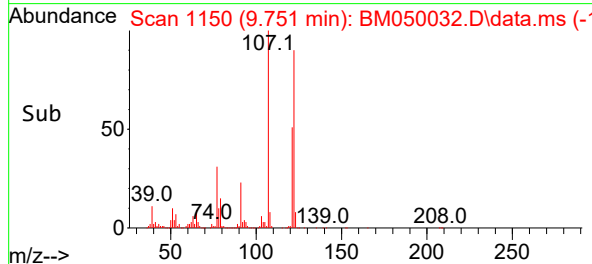
Instrument :
BNA_M
ClientSampleId :
ICVBM042825



Tgt Ion:122 Resp: 605475
Ion Ratio Lower Upper
122 100
107 111.0 89.0 133.6
121 56.9 45.6 68.4

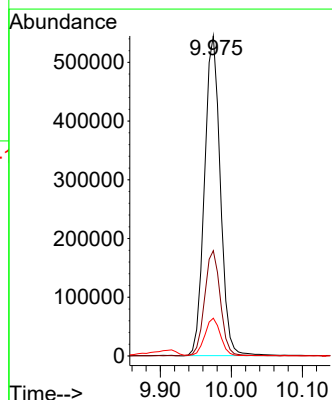
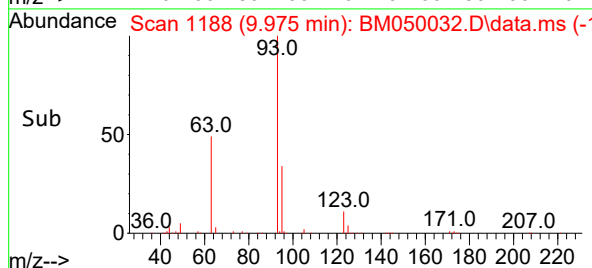
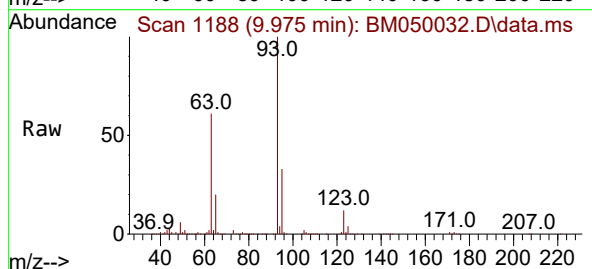
Manual Integrations
APPROVED

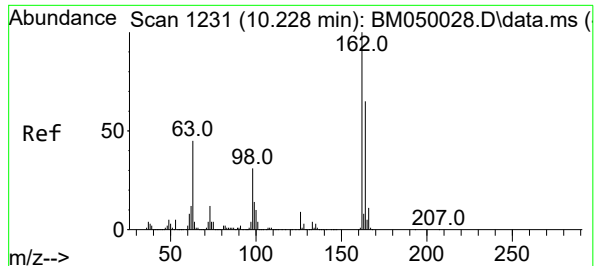
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#28
bis(2-Chloroethoxy)methane
Concen: 44.920 ng
RT: 9.975 min Scan# 1188
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

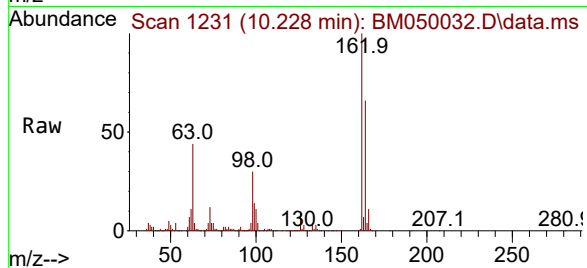
Tgt Ion: 93 Resp: 842968
Ion Ratio Lower Upper
93 100
95 32.9 26.1 39.1
123 11.8 9.5 14.3





#29
2,4-Dichlorophenol
Concen: 46.375 ng
RT: 10.228 min Scan# 1231
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

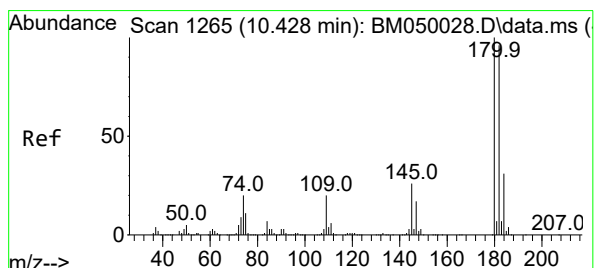
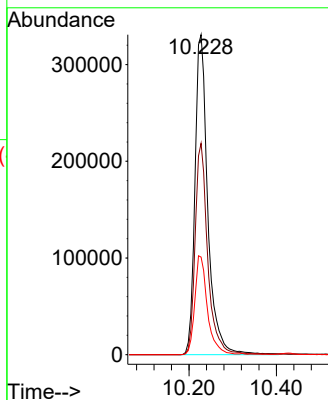
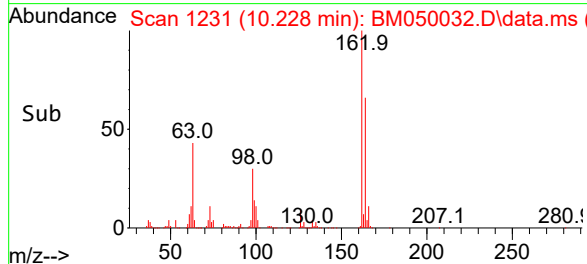
Instrument :
BNA_M
ClientSampleId :
ICVBM042825



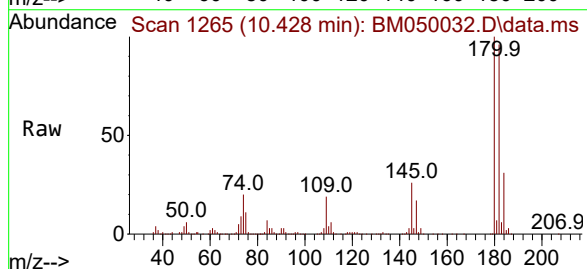
Tgt Ion:162 Resp: 677885
Ion Ratio Lower Upper
162 100
164 66.0 45.4 85.4
98 30.5 11.3 51.3

Manual Integrations
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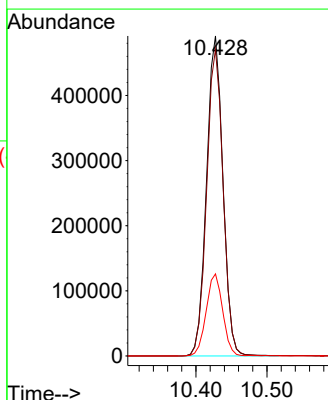
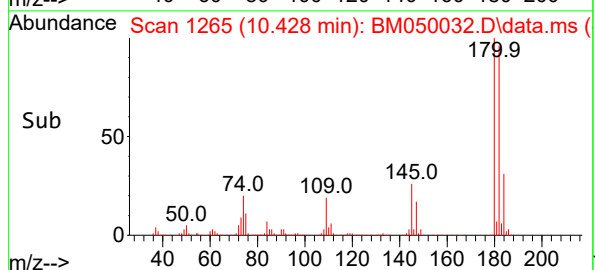
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

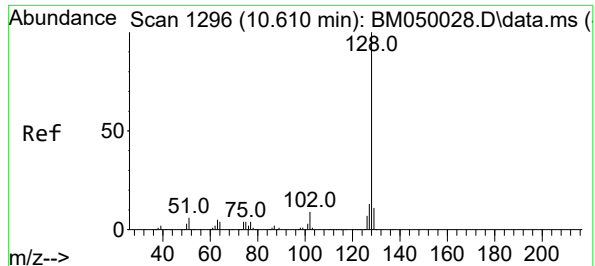


#30
1,2,4-Trichlorobenzene
Concen: 44.348 ng
RT: 10.428 min Scan# 1265
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43



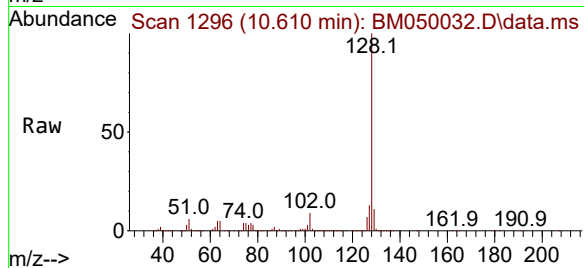
Tgt Ion:180 Resp: 789816
Ion Ratio Lower Upper
180 100
182 95.8 77.0 115.4
145 25.7 20.6 30.8





#31
Naphthalene
Concen: 44.651 ng
RT: 10.610 min Scan# 1296
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

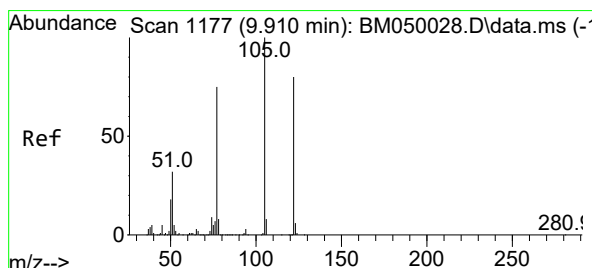
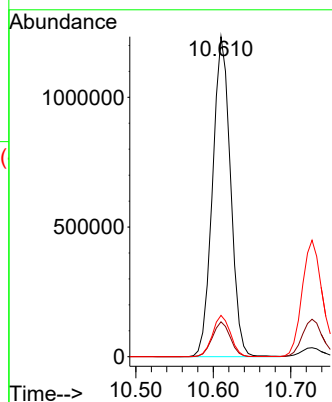
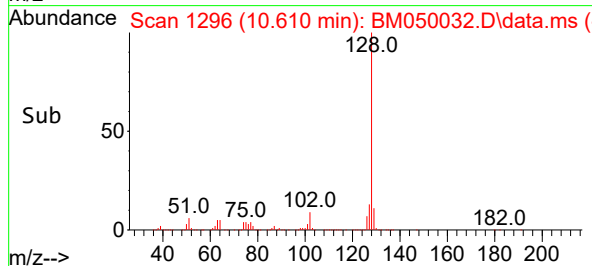
Instrument :
BNA_M
ClientSampleId :
ICVBM042825



Tgt Ion:128 Resp: 1984698
Ion Ratio Lower Upper
128 100
129 10.9 8.8 13.2
127 12.9 10.4 15.6

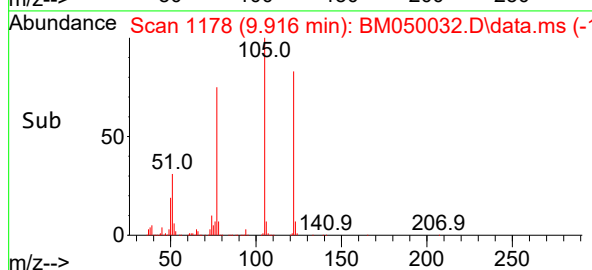
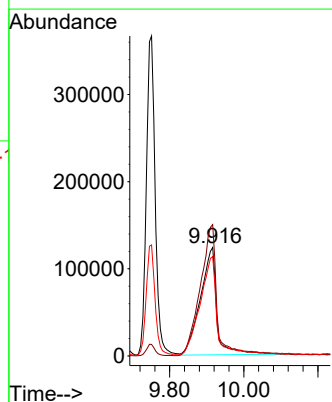
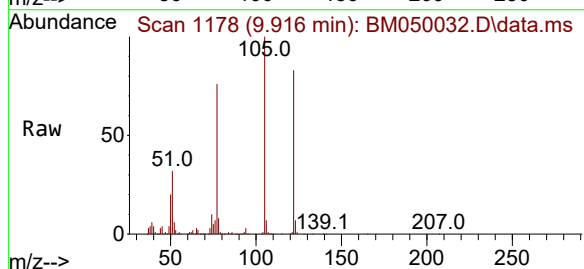
Manual Integrations
APPROVED

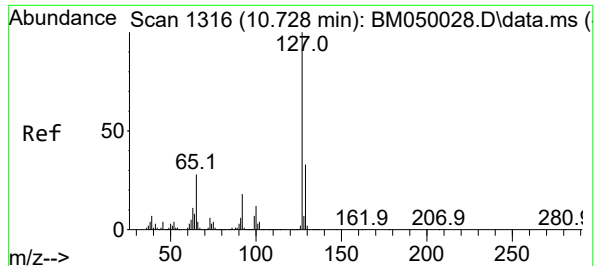
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#32
Benzoic acid
Concen: 46.063 ng
RT: 9.916 min Scan# 1178
Delta R.T. 0.006 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

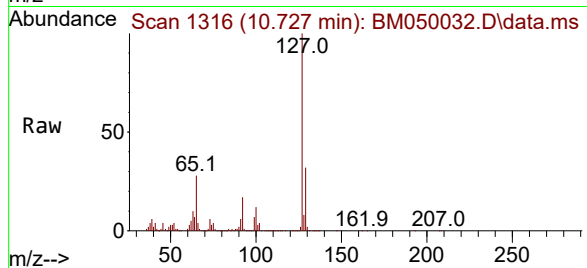
Tgt Ion:122 Resp: 384400
Ion Ratio Lower Upper
122 100
105 121.1 103.6 143.6
77 91.7 73.7 113.7





#33
4-Chloroaniline
Concen: 47.375 ng
RT: 10.727 min Scan# 1316
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

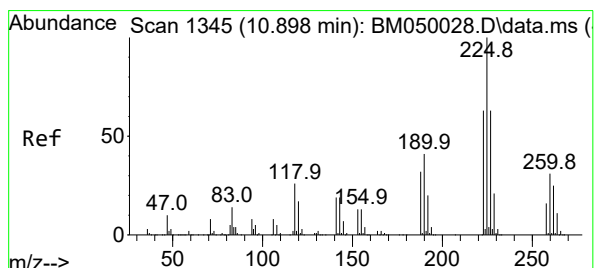
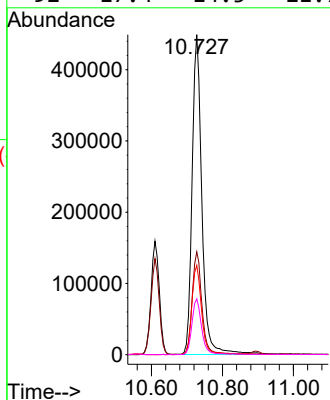
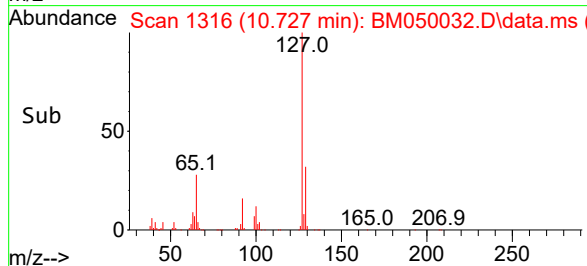
Instrument :
BNA_M
ClientSampleId :
ICVBM042825



Tgt Ion:127 Resp: 86311
Ion Ratio Lower Upper
127 100
129 32.1 26.3 39.5
65 27.9 22.5 33.7
92 17.4 14.5 21.7

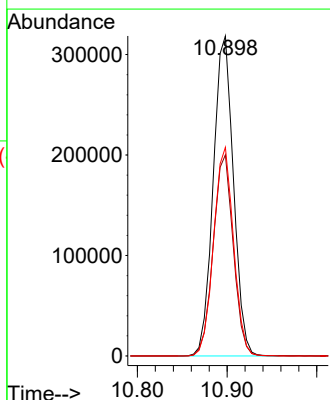
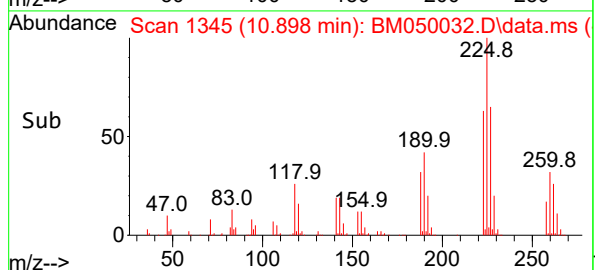
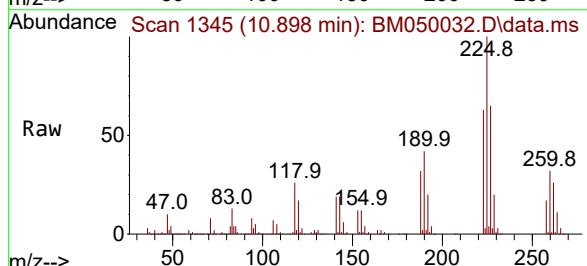
Manual Integrations
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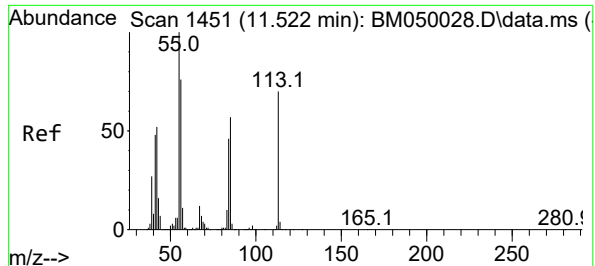
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#34
Hexachlorobutadiene
Concen: 44.034 ng
RT: 10.898 min Scan# 1345
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

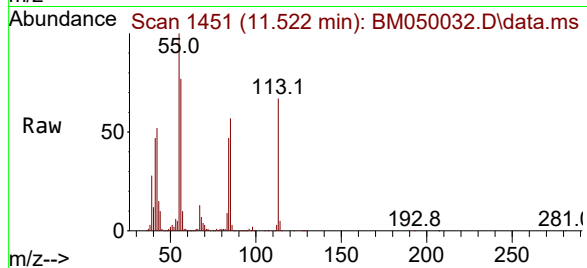
Tgt Ion:225 Resp: 497792
Ion Ratio Lower Upper
225 100
223 62.8 50.2 75.2
227 65.2 50.6 76.0





#35
 Caprolactam
 Concen: 46.481 ng
 RT: 11.522 min Scan# 1451
 Delta R.T. -0.000 min
 Lab File: BM050032.D
 Acq: 28 Apr 2025 17:43

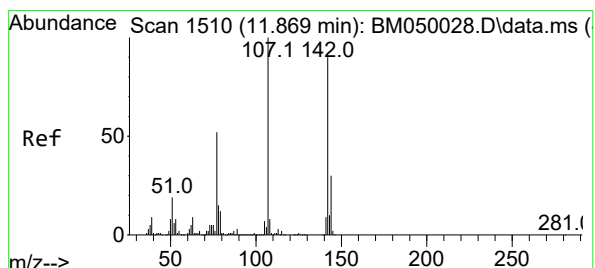
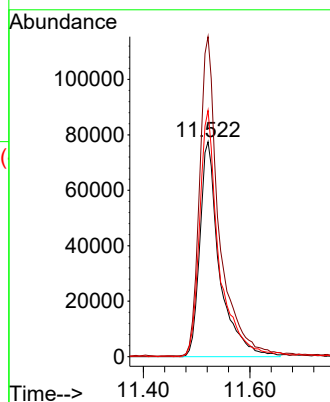
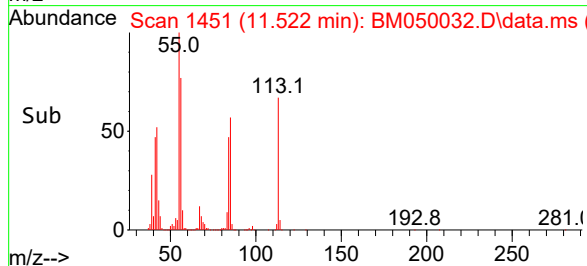
Instrument :
 BNA_M
 ClientSampleId :
 ICVBM042825



Tgt Ion:113 Resp: 198108
 Ion Ratio Lower Upper
 113 100
 55 148.9 122.9 162.9
 56 114.6 88.1 128.1

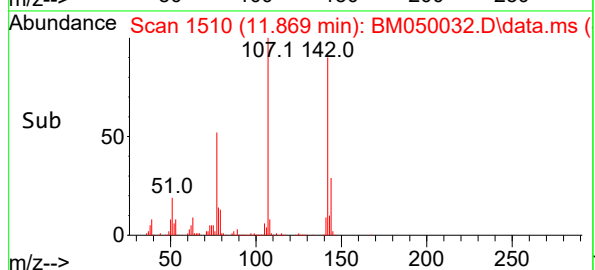
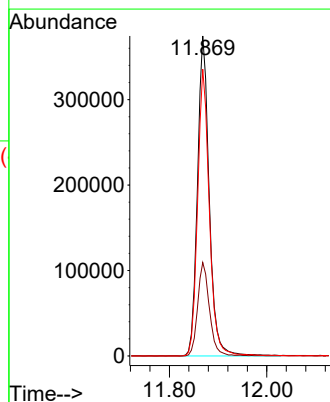
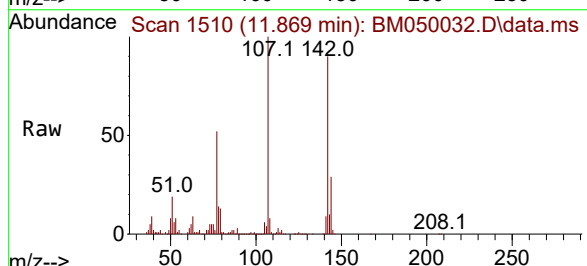
Manual Integrations
 APPROVED

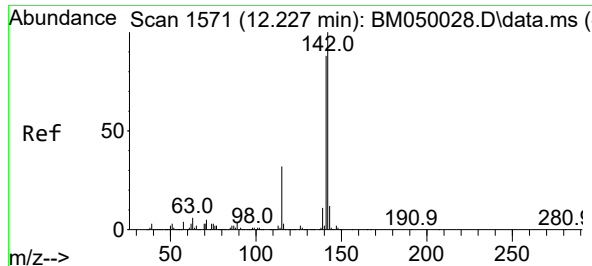
Reviewed By :Rahul Chavli 04/29/2025
 Supervised By :Jagrut Upadhyay 04/29/2025



#36
 4-Chloro-3-methylphenol
 Concen: 46.825 ng
 RT: 11.869 min Scan# 1510
 Delta R.T. -0.000 min
 Lab File: BM050032.D
 Acq: 28 Apr 2025 17:43

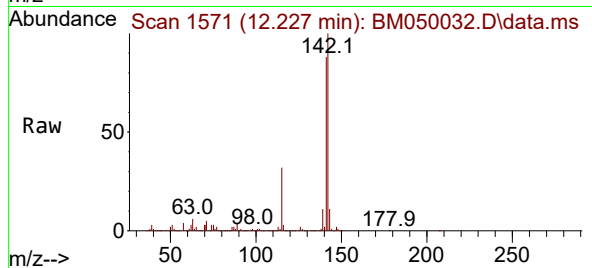
Tgt Ion:107 Resp: 632365
 Ion Ratio Lower Upper
 107 100
 144 29.2 23.8 35.6
 142 89.6 71.9 107.9





#37
2-Methylnaphthalene
Concen: 45.374 ng
RT: 12.227 min Scan# 1571
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

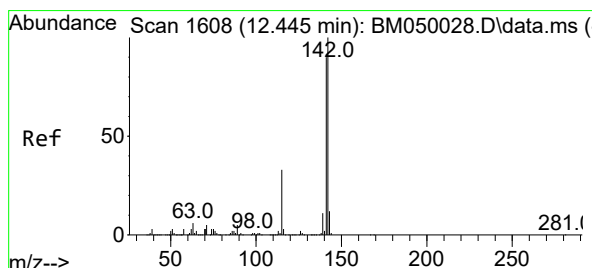
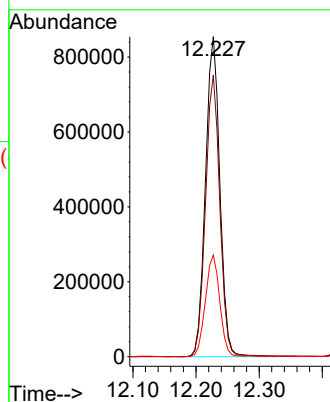
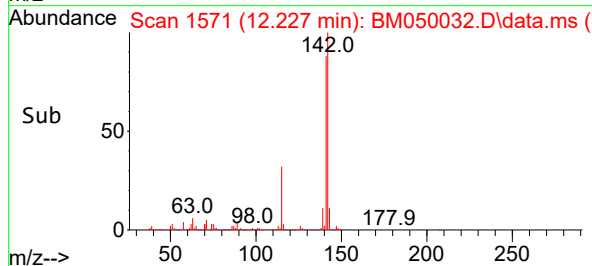
Instrument :
BNA_M
ClientSampleId :
ICVBM042825



Tgt Ion:142 Resp: 1352170
Ion Ratio Lower Upper
142 100
141 88.0 70.4 105.6
115 31.8 25.4 38.2

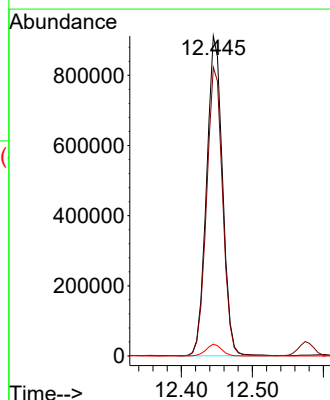
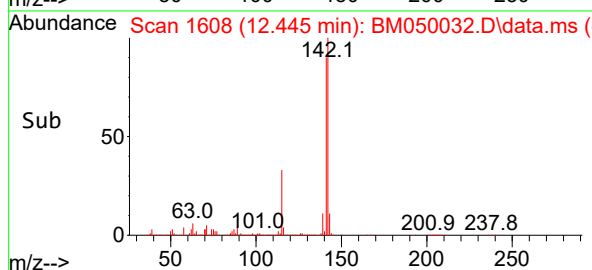
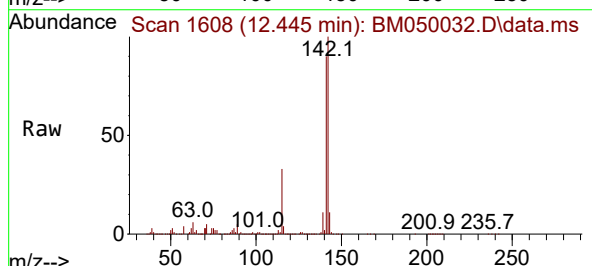
Manual Integrations
APPROVED

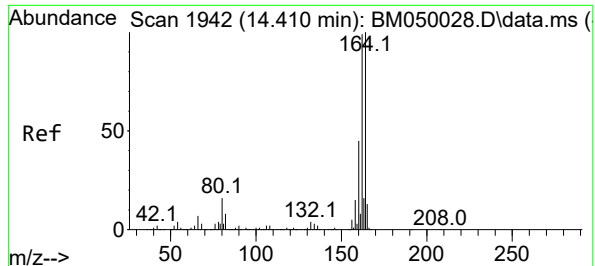
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#38
1-Methylnaphthalene
Concen: 45.198 ng
RT: 12.445 min Scan# 1608
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:142 Resp: 1425407
Ion Ratio Lower Upper
142 100
141 90.3 72.1 108.1
116 3.7 2.7 4.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.410 min Scan# 1942

Delta R.T. -0.000 min

Lab File: BM050032.D

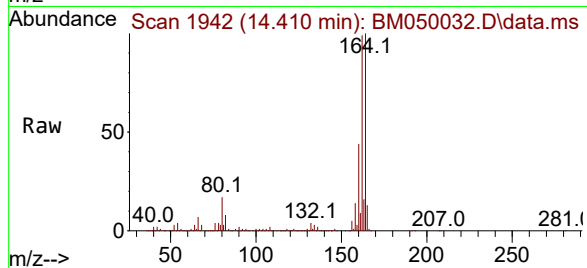
Acq: 28 Apr 2025 17:43

Instrument :

BNA_M

ClientSampleId :

ICVBM042825



Tgt Ion:164 Resp: 605832

Ion Ratio Lower Upper

164 100

162 99.4 79.4 119.0

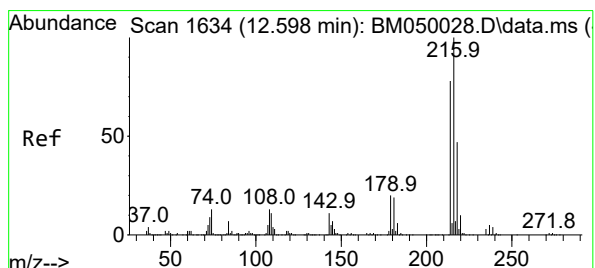
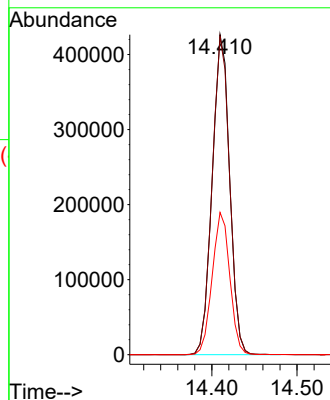
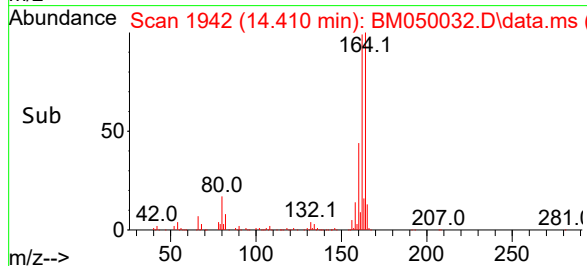
160 44.5 36.2 54.4

Manual Integrations

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Reviewed By :Rahul Chavli 04/29/2025

Supervised By :Jagrut Upadhyay 04/29/2025



#40

1,2,4,5-Tetrachlorobenzene

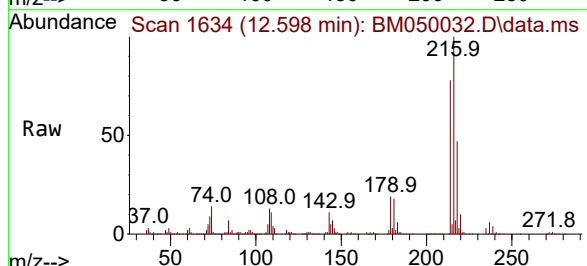
Concen: 44.140 ng

RT: 12.598 min Scan# 1634

Delta R.T. -0.000 min

Lab File: BM050032.D

Acq: 28 Apr 2025 17:43



Tgt Ion:216 Resp: 925725

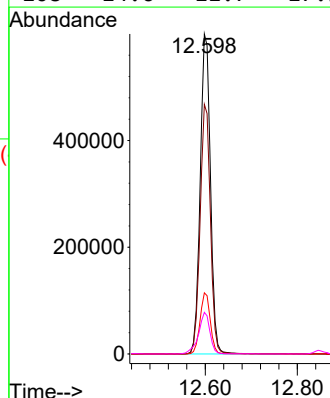
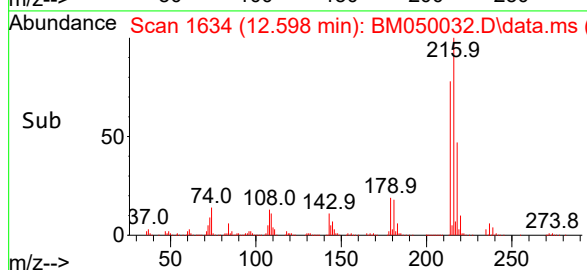
Ion Ratio Lower Upper

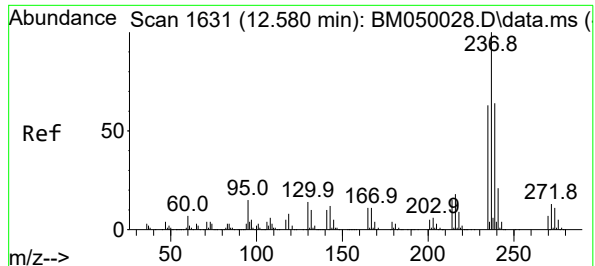
216 100

214 78.3 62.3 93.5

179 19.1 15.4 23.0

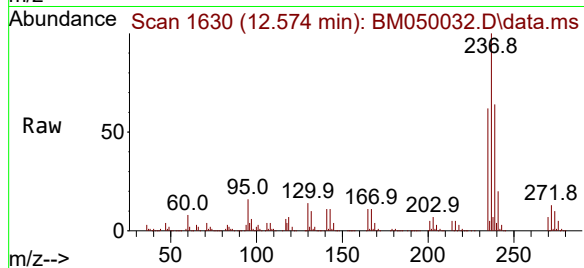
108 14.6 11.7 17.5





#41
Hexachlorocyclopentadiene
Concen: 44.374 ng
RT: 12.574 min Scan# 1630
Delta R.T. -0.006 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

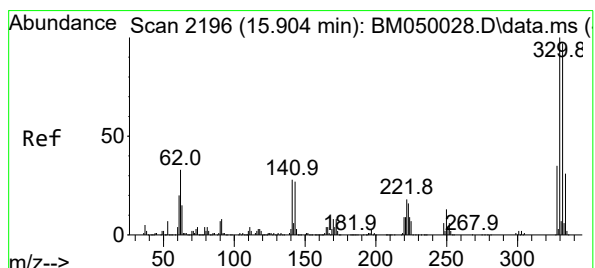
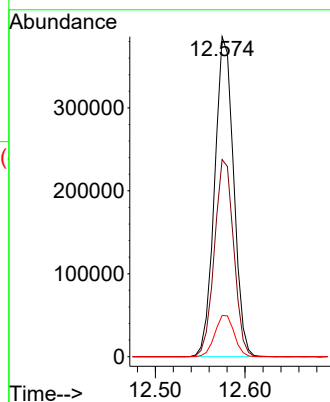
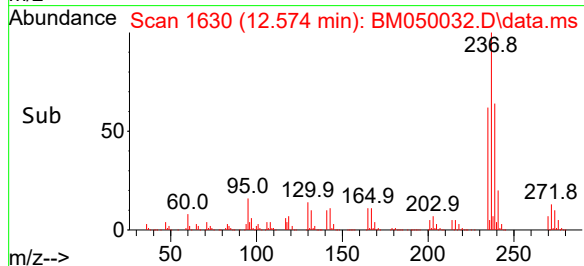
Instrument :
BNA_M
ClientSampleId :
ICVBM042825



Tgt Ion:237 Resp: 56871
Ion Ratio Lower Upper
237 100
235 61.6 42.9 82.9
272 12.9 0.0 32.9

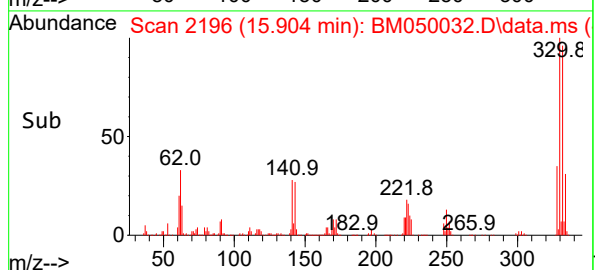
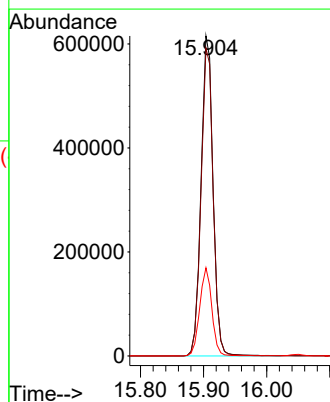
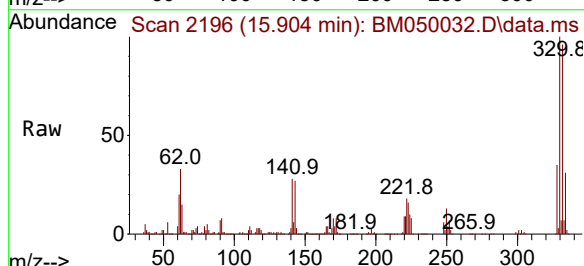
Manual Integrations
APPROVED

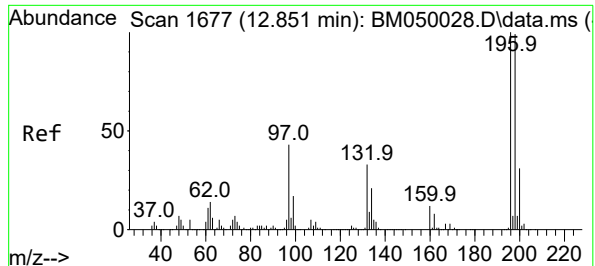
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#42
2,4,6-Tribromophenol
Concen: 90.503 ng
RT: 15.904 min Scan# 2196
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

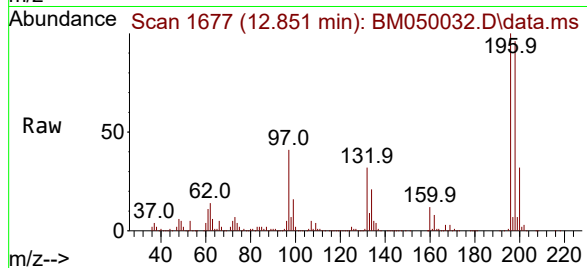
Tgt Ion:330 Resp: 810732
Ion Ratio Lower Upper
330 100
332 96.9 77.3 115.9
141 28.0 22.5 33.7





#43
2,4,6-Trichlorophenol
Concen: 46.094 ng
RT: 12.851 min Scan# 1677
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

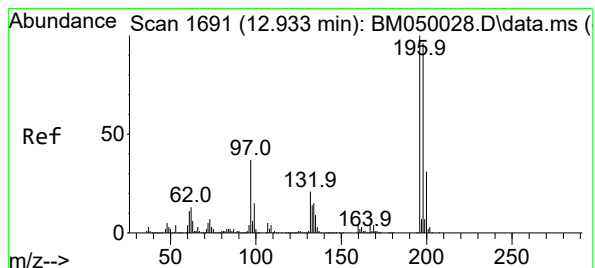
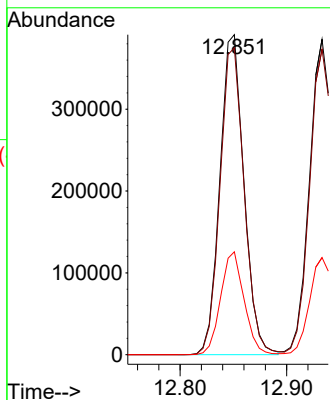
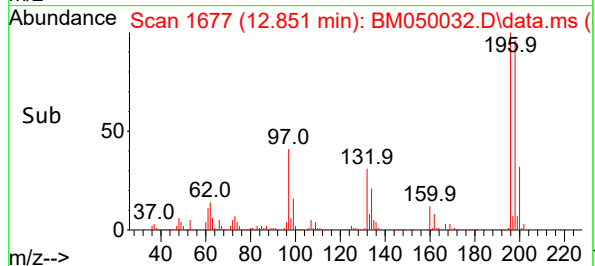
Instrument :
BNA_M
ClientSampleId :
ICVBM042825



Tgt Ion:196 Resp: 61314
Ion Ratio Lower Upper
196 100
198 95.9 79.0 118.6
200 32.2 25.1 37.7

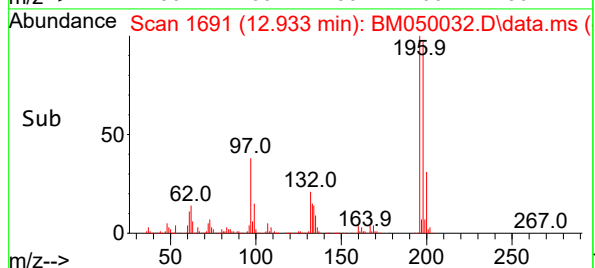
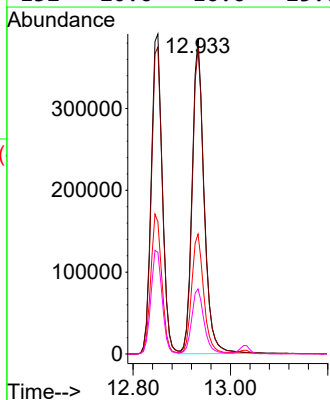
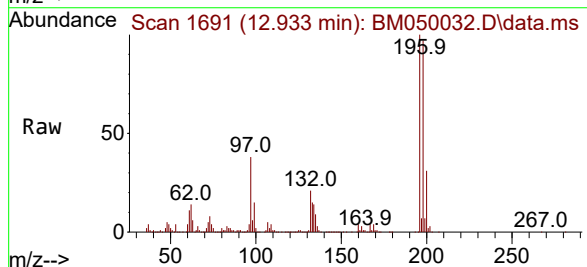
Manual Integrations
APPROVED

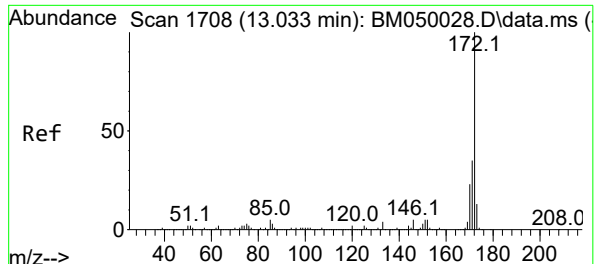
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#44
2,4,5-Trichlorophenol
Concen: 46.271 ng
RT: 12.933 min Scan# 1691
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:196 Resp: 663718
Ion Ratio Lower Upper
196 100
198 96.9 76.7 115.1
97 38.0 30.1 45.1
132 20.6 16.6 25.0





#45

2-Fluorobiphenyl

Concen: 76.259 ng

RT: 13.027 min Scan# 1707

Delta R.T. -0.006 min

Lab File: BM050032.D

Acq: 28 Apr 2025 17:43

Instrument :

BNA_M

ClientSampleId :

ICVBM042825

Tgt Ion:172 Resp: 390538

Ion Ratio Lower Upper

172 100

171 34.8 27.8 41.6

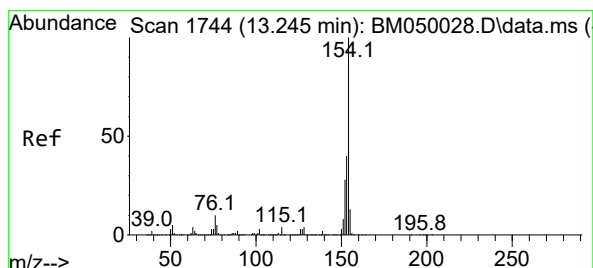
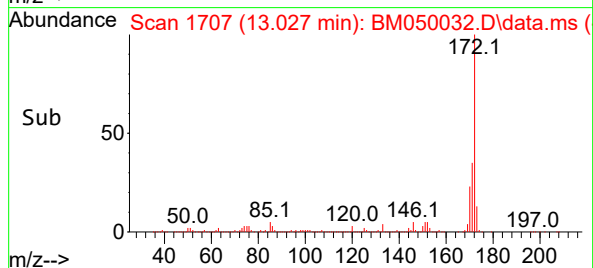
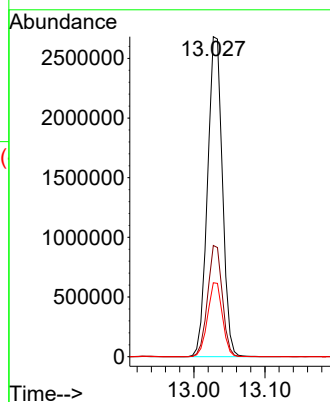
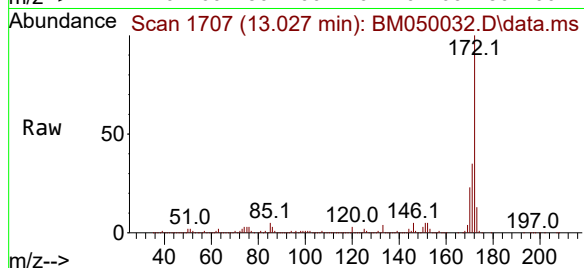
170 23.1 18.6 28.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/29/2025

Supervised By :Jagrut Upadhyay 04/29/2025



#46

1,1'-Biphenyl

Concen: 44.207 ng

RT: 13.239 min Scan# 1743

Delta R.T. -0.006 min

Lab File: BM050032.D

Acq: 28 Apr 2025 17:43

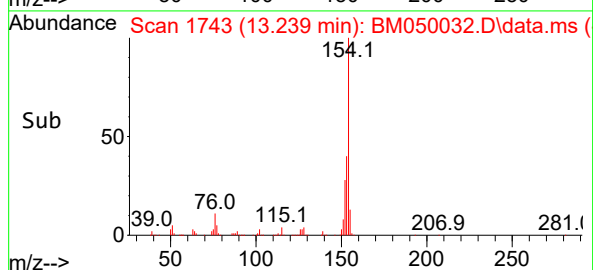
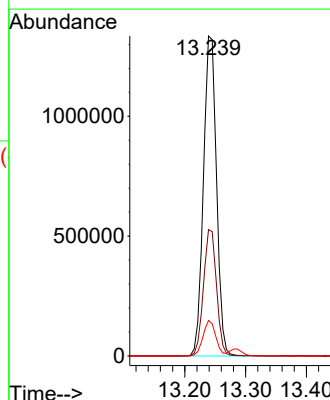
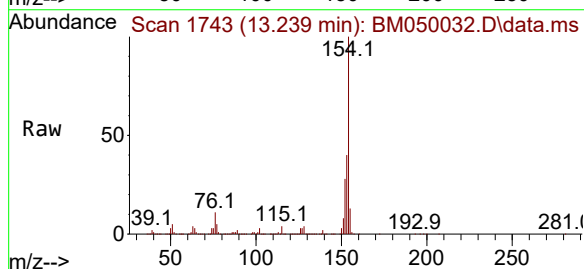
Tgt Ion:154 Resp: 1990852

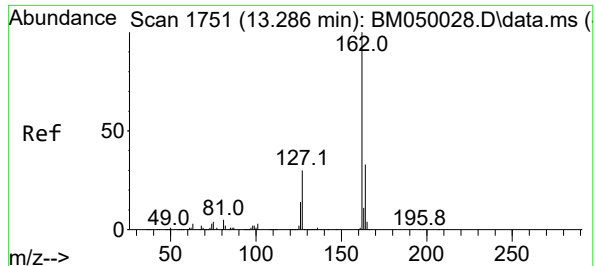
Ion Ratio Lower Upper

154 100

153 39.5 20.0 60.0

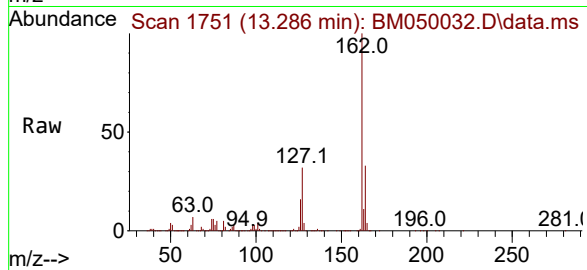
76 11.1 0.0 30.3





#47
2-Chloronaphthalene
Concen: 44.684 ng
RT: 13.286 min Scan# 1751
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

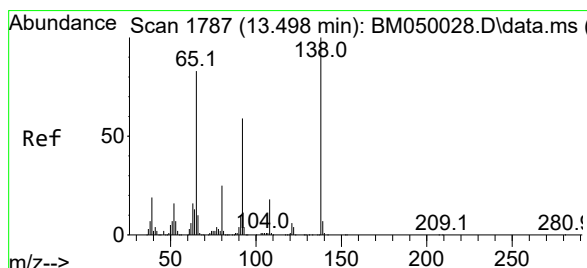
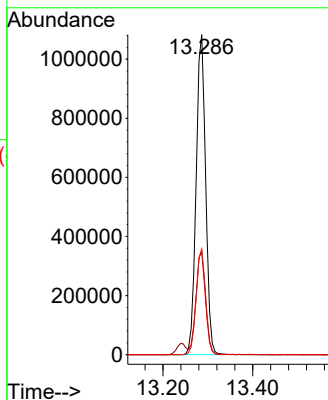
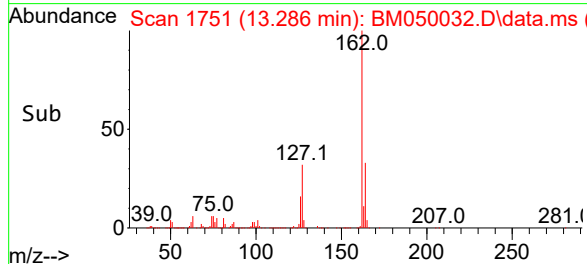
Instrument :
BNA_M
ClientSampleId :
ICVBM042825



Tgt Ion:162 Resp: 1593769
Ion Ratio Lower Upper
162 100
127 32.2 25.9 38.9
164 33.0 26.6 40.0

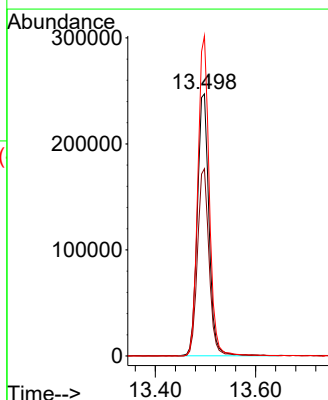
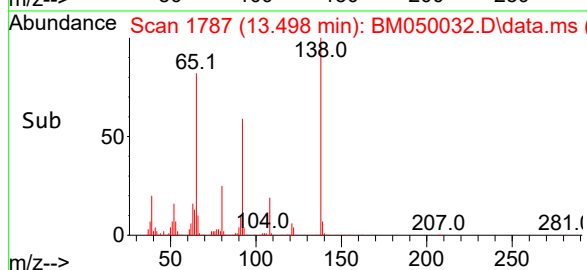
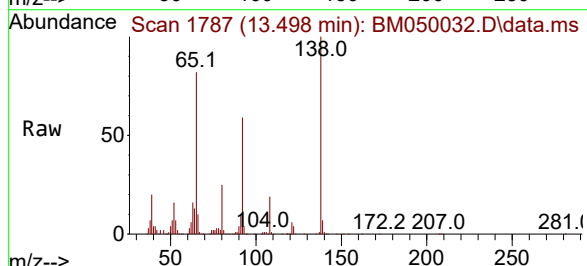
Manual Integrations
APPROVED

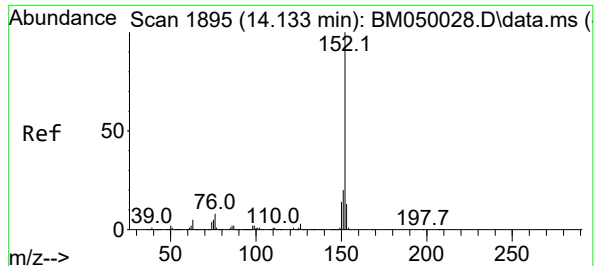
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#48
2-Nitroaniline
Concen: 47.621 ng
RT: 13.498 min Scan# 1787
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

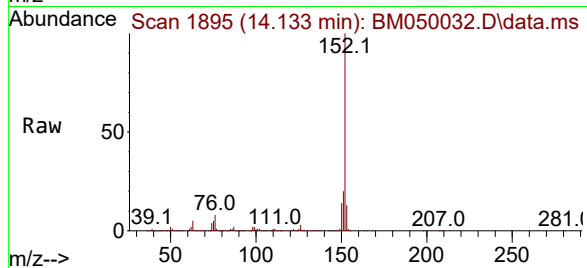
Tgt Ion: 65 Resp: 398645
Ion Ratio Lower Upper
65 100
92 71.5 57.1 85.7
138 122.1 97.0 145.4





#49
Acenaphthylene
Concen: 45.315 ng
RT: 14.133 min Scan# 1895
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

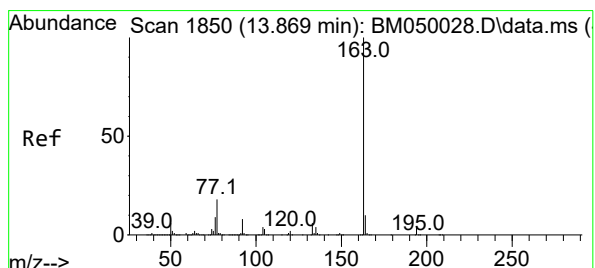
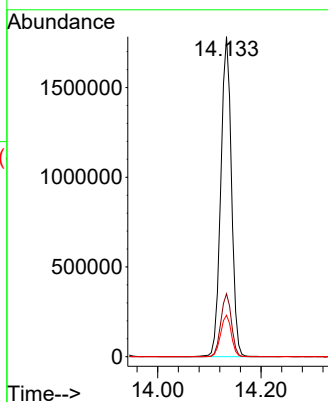
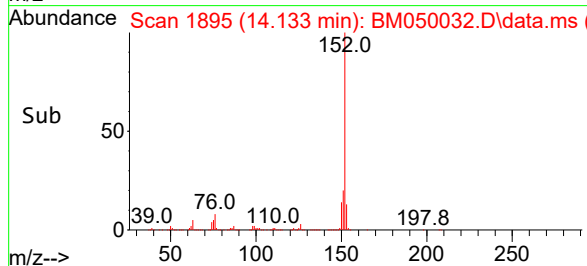
Instrument :
BNA_M
ClientSampleId :
ICVBM042825



Tgt Ion:152 Resp: 254834
Ion Ratio Lower Upper
152 100
151 19.7 15.8 23.8
153 13.0 10.6 15.8

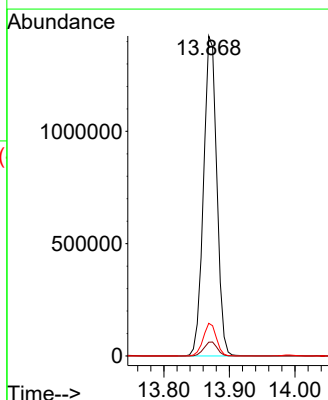
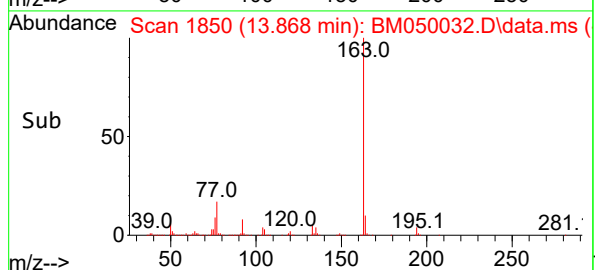
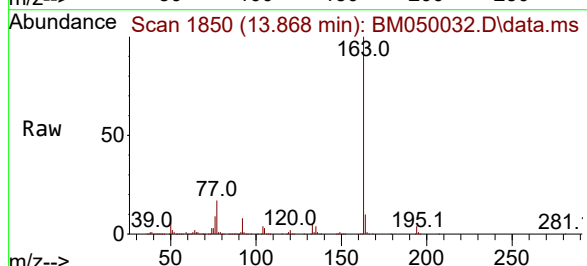
Manual Integrations
APPROVED

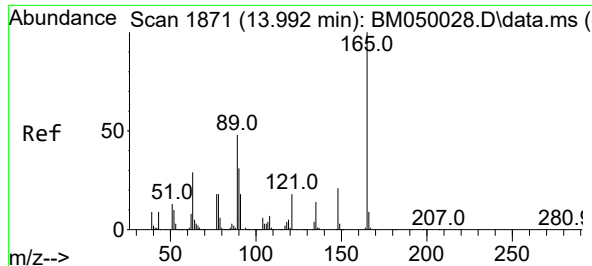
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#50
Dimethylphthalate
Concen: 45.338 ng
RT: 13.868 min Scan# 1850
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

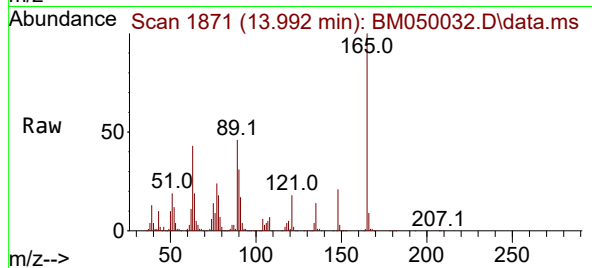
Tgt Ion:163 Resp: 2007342
Ion Ratio Lower Upper
163 100
194 4.3 3.4 5.2
164 10.2 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 47.554 ng
RT: 13.992 min Scan# 1871
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

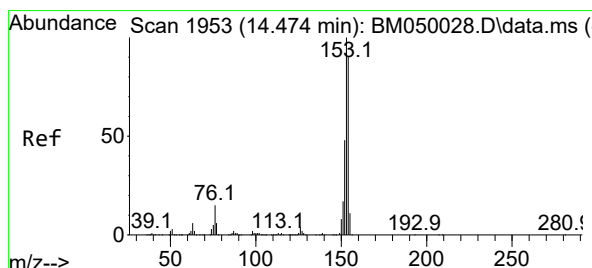
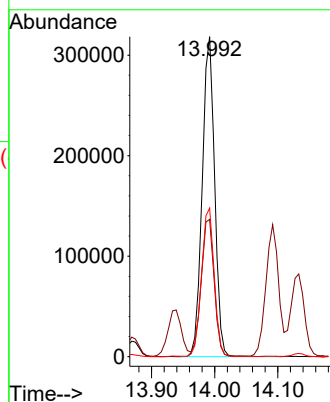
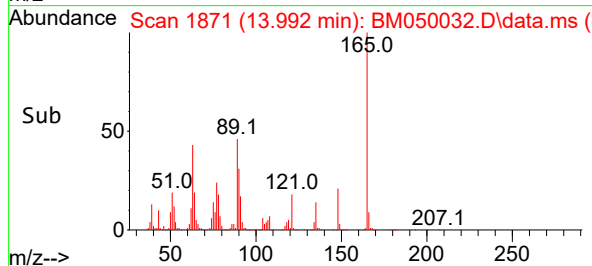
Instrument :
BNA_M
ClientSampleId :
ICVBM042825



Tgt Ion:165 Resp: 435925
Ion Ratio Lower Upper
165 100
63 42.9 35.1 52.7
89 46.4 38.4 57.6

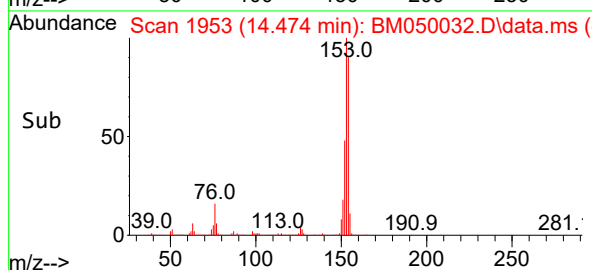
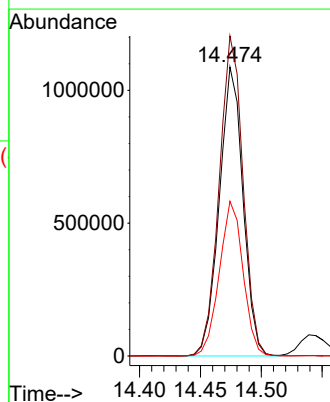
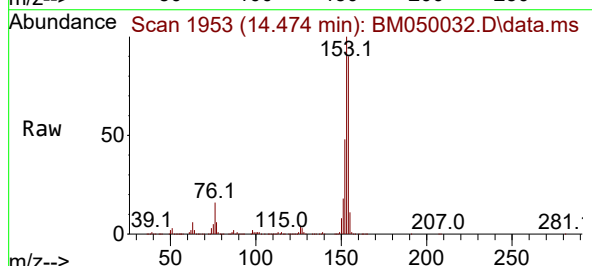
Manual Integrations
APPROVED

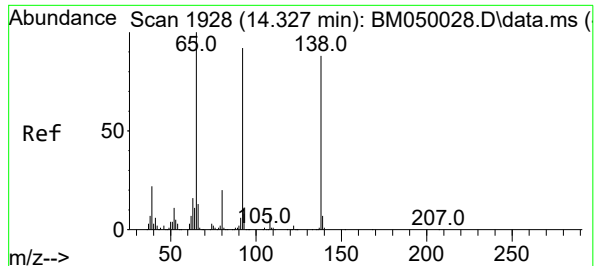
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#52
Acenaphthene
Concen: 45.210 ng
RT: 14.474 min Scan# 1953
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

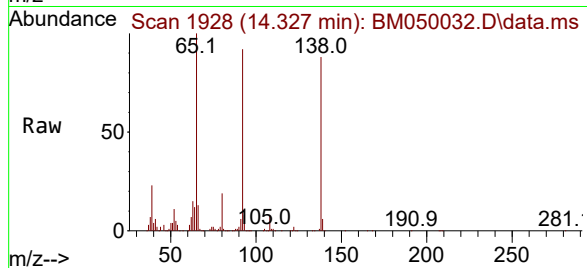
Tgt Ion:154 Resp: 1471672
Ion Ratio Lower Upper
154 100
153 110.7 89.0 133.4
152 53.5 43.0 64.6





#53
3-Nitroaniline
Concen: 48.843 ng
RT: 14.327 min Scan# 1928
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

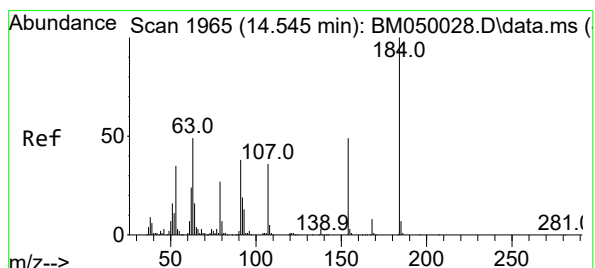
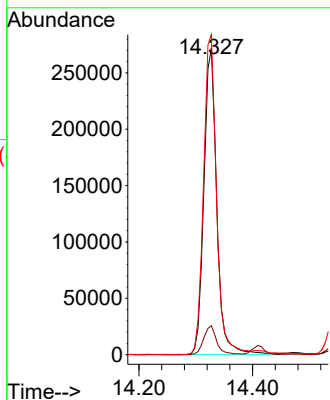
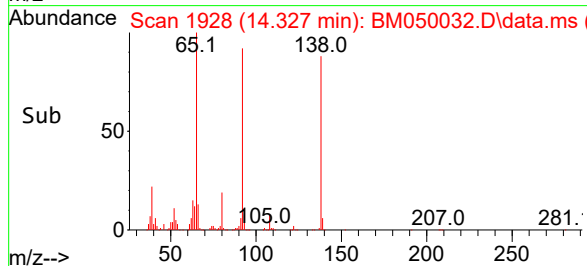
Instrument :
BNA_M
ClientSampleId :
ICVBM042825



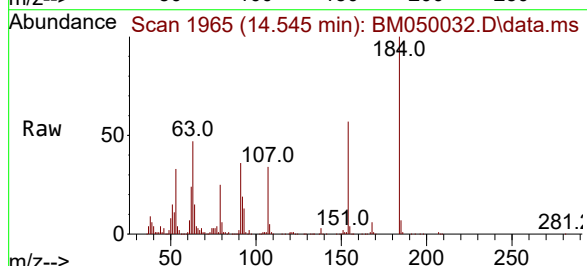
Tgt Ion:138 Resp: 427464
Ion Ratio Lower Upper
138 100
108 9.5 7.4 11.2
92 104.5 84.0 126.0

Manual Integrations
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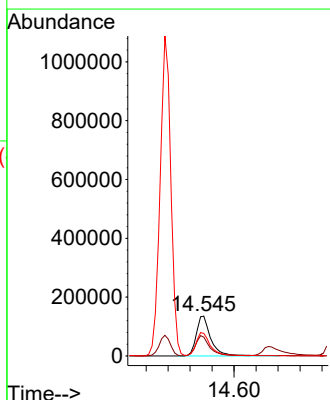
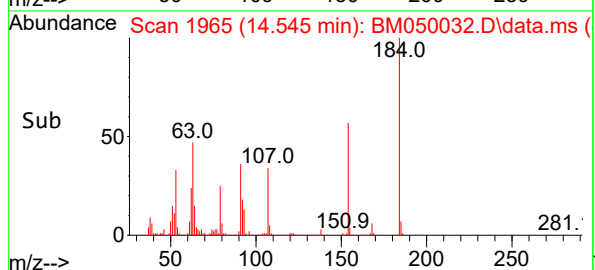
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

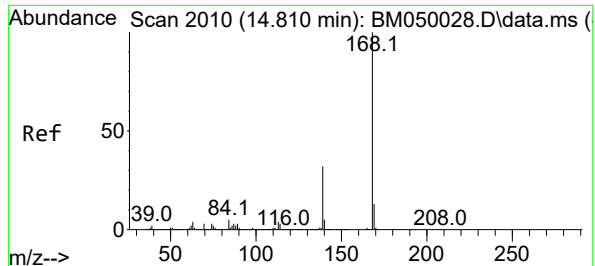


#54
2,4-Dinitrophenol
Concen: 45.189 ng
RT: 14.545 min Scan# 1965
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43



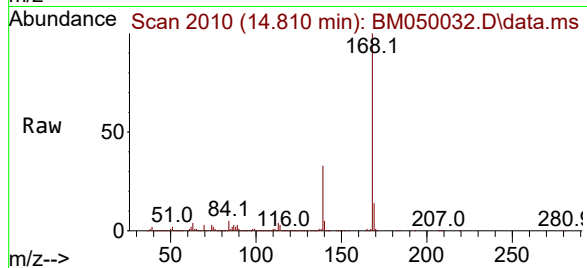
Tgt Ion:184 Resp: 249307
Ion Ratio Lower Upper
184 100
63 47.3 39.8 59.6
154 56.7 46.1 69.1





#55
Dibenzofuran
Concen: 44.828 ng
RT: 14.810 min Scan# 2010
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

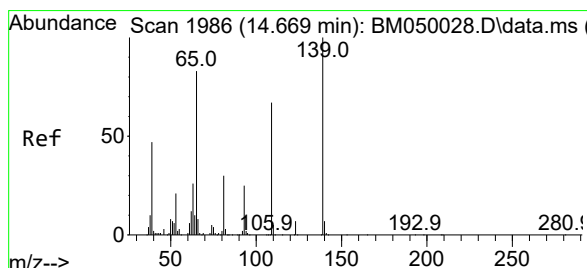
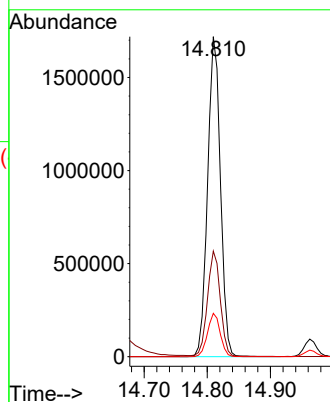
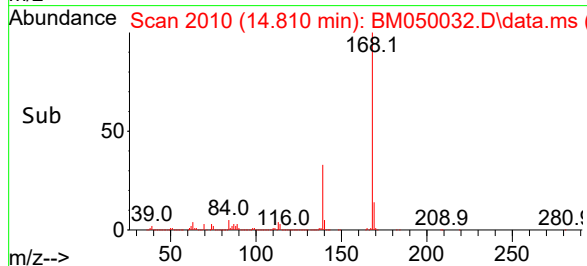
Instrument :
BNA_M
ClientSampleId :
ICVBM042825



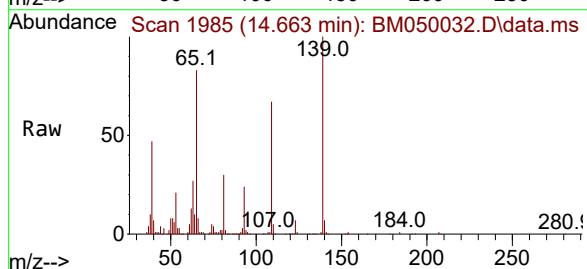
Tgt Ion:168 Resp: 2427830
Ion Ratio Lower Upper
168 100
139 33.0 26.1 39.1
169 13.5 10.8 16.2

Manual Integrations
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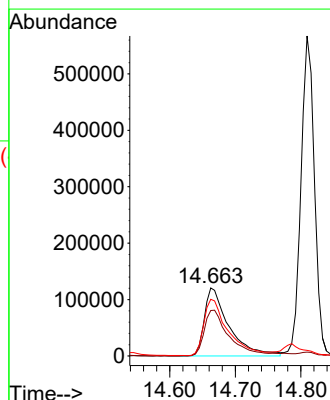
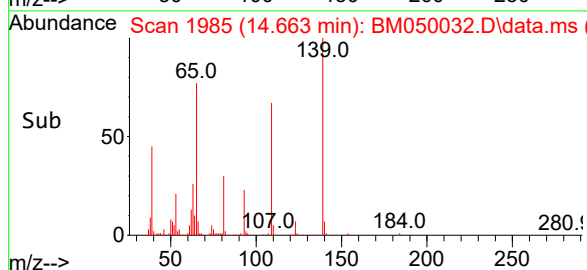
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

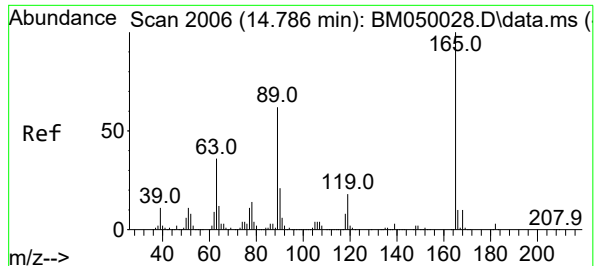


#56
4-Nitrophenol
Concen: 46.012 ng
RT: 14.663 min Scan# 1985
Delta R.T. -0.006 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43



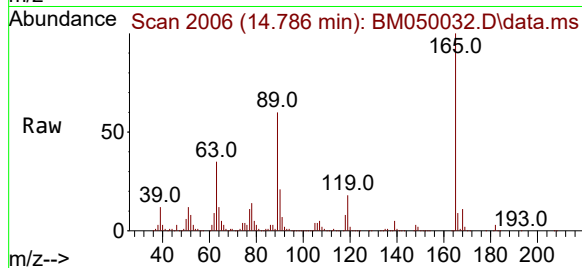
Tgt Ion:139 Resp: 313065
Ion Ratio Lower Upper
139 100
109 66.8 47.0 87.0
65 83.4 64.3 104.3





#57
2,4-Dinitrotoluene
Concen: 48.311 ng
RT: 14.786 min Scan# 2006
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

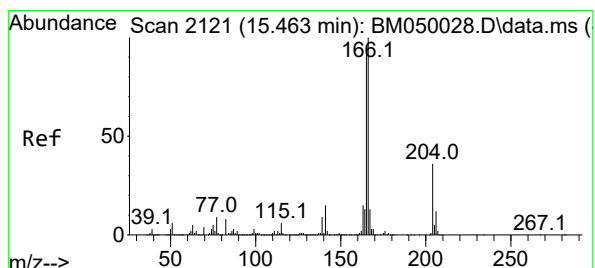
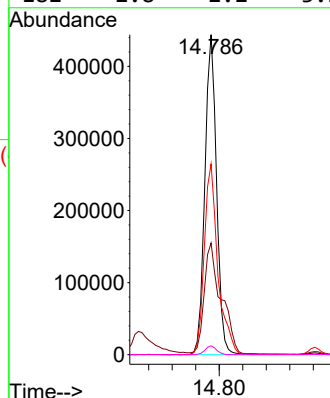
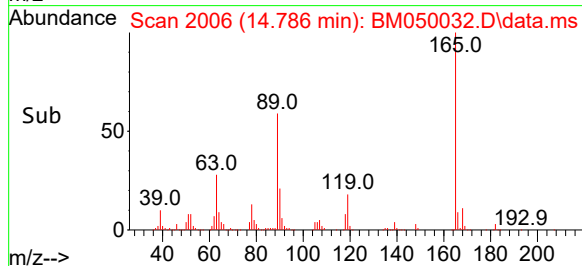
Instrument :
BNA_M
ClientSampleId :
ICVBM042825



Tgt Ion:165 Resp: 61194
Ion Ratio Lower Upper
165 100
63 34.9 29.0 43.6
89 59.6 49.4 74.2
182 2.8 2.2 3.2

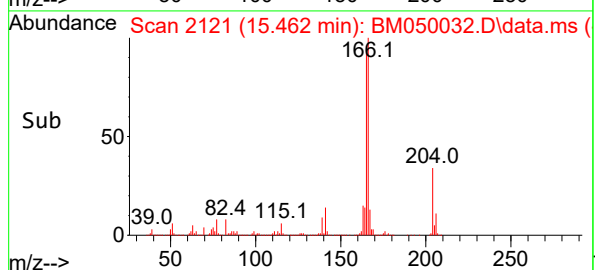
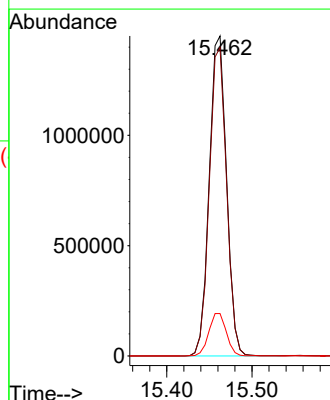
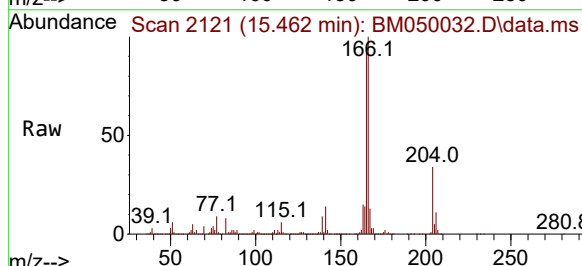
Manual Integrations
APPROVED

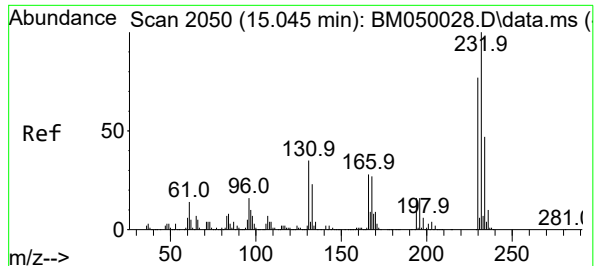
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#58
Fluorene
Concen: 46.115 ng
RT: 15.462 min Scan# 2121
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

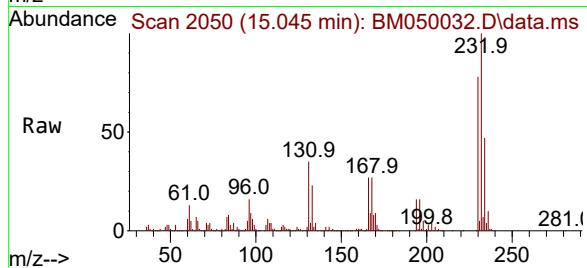
Tgt Ion:166 Resp: 2044284
Ion Ratio Lower Upper
166 100
165 96.4 76.6 115.0
167 13.3 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 46.970 ng
RT: 15.045 min Scan# 2050
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

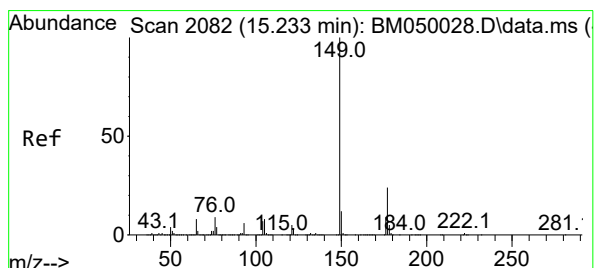
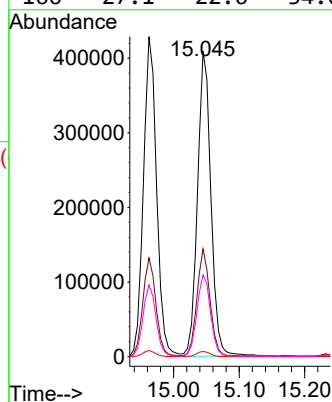
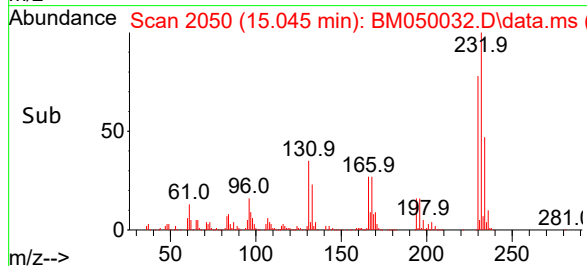
Instrument :
BNA_M
ClientSampleId :
ICVBM042825



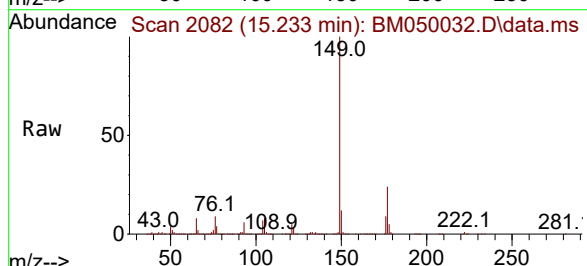
Tgt Ion:232 Resp: 583198
Ion Ratio Lower Upper
232 100
131 34.5 28.2 42.4
130 1.8 1.5 2.3
166 27.1 22.6 34.0

Manual Integrations
APPROVED

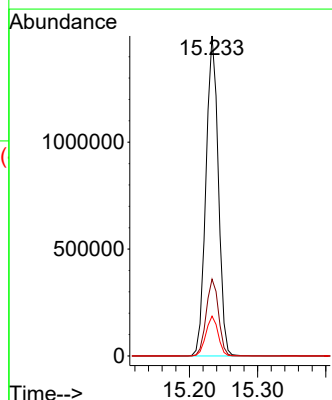
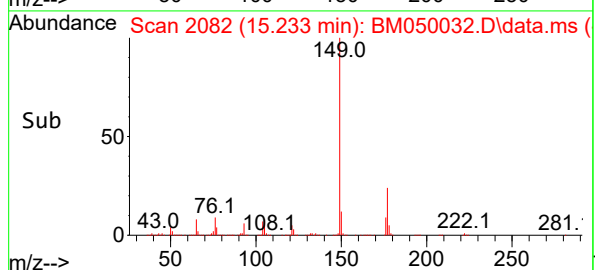
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

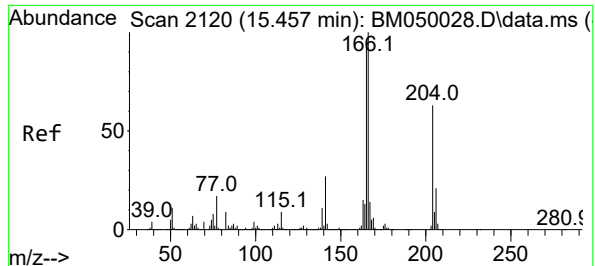


#60
Diethylphthalate
Concen: 45.299 ng
RT: 15.233 min Scan# 2082
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43



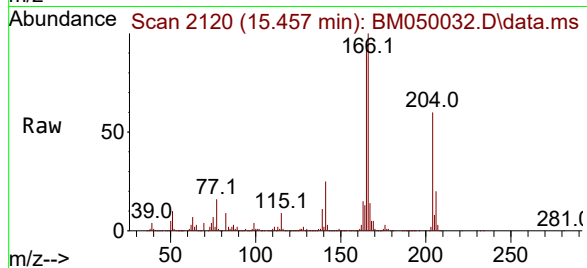
Tgt Ion:149 Resp: 1889827
Ion Ratio Lower Upper
149 100
177 24.0 19.1 28.7
150 12.4 9.6 14.4





#61
4-Chlorophenyl-phenylether
Concen: 45.950 ng
RT: 15.457 min Scan# 2120
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

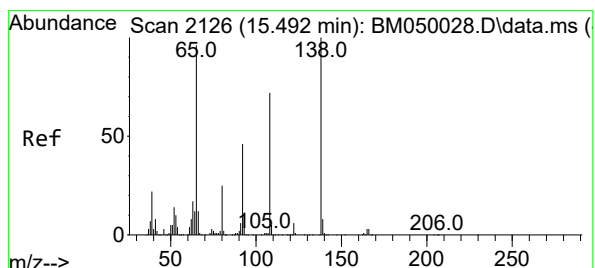
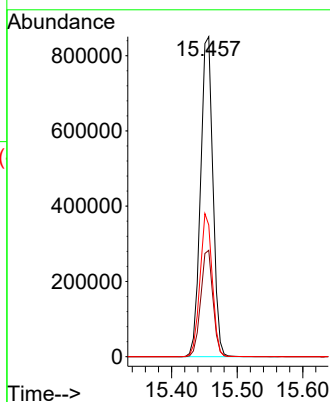
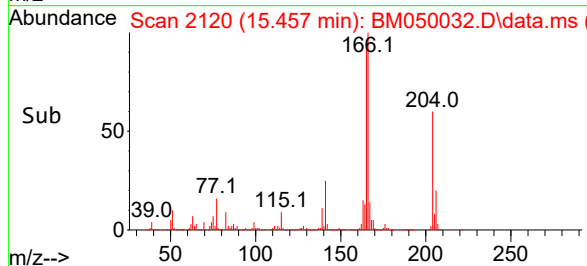
Instrument :
BNA_M
ClientSampleId :
ICVBM042825



Tgt Ion:204 Resp: 111883
Ion Ratio Lower Upper
204 100
206 33.2 26.3 39.5
141 41.1 34.0 51.0

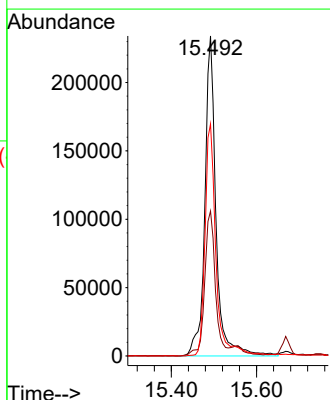
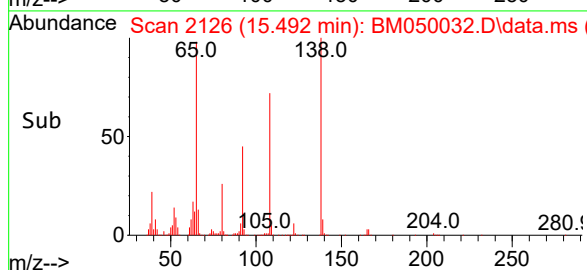
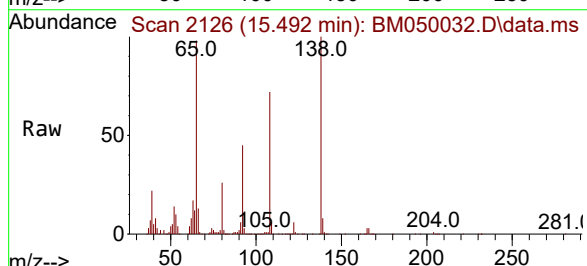
Manual Integrations
APPROVED

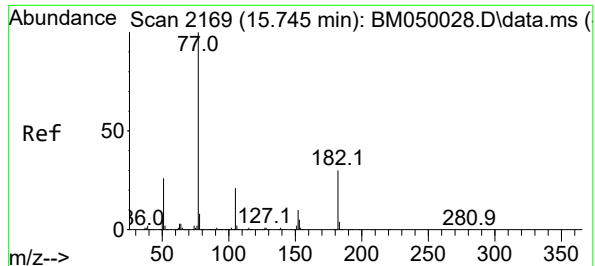
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#62
4-Nitroaniline
Concen: 50.610 ng
RT: 15.492 min Scan# 2126
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

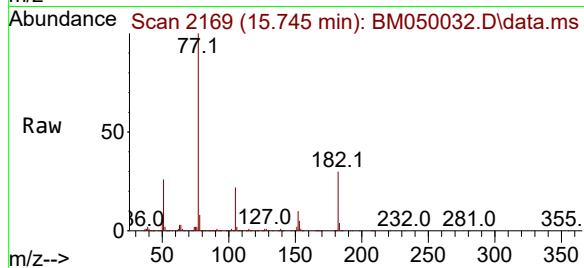
Tgt Ion:138 Resp: 427339
Ion Ratio Lower Upper
138 100
92 45.3 25.9 65.9
108 72.5 52.4 92.4





#63
Azobenzene
Concen: 45.747 ng
RT: 15.745 min Scan# 2169
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

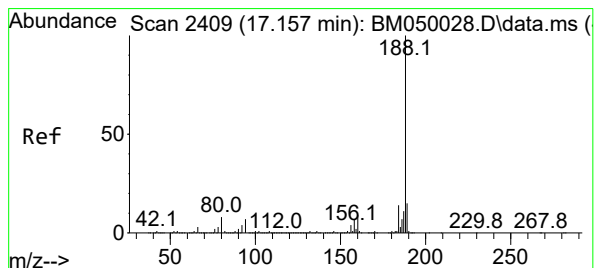
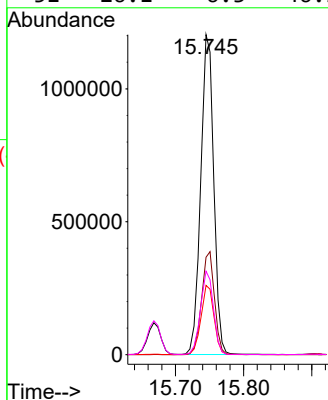
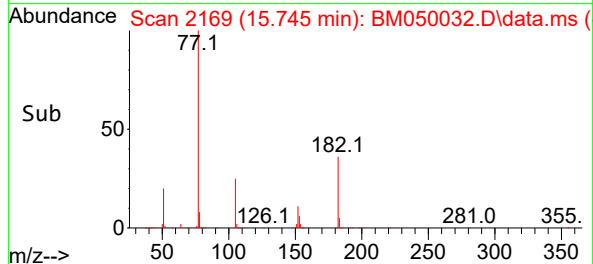
Instrument :
BNA_M
ClientSampleId :
ICVBM042825



Tgt Ion: 77 Resp: 1599489
Ion Ratio Lower Upper
77 100
182 30.5 10.5 50.5
105 21.6 1.1 41.1
51 26.1 6.3 46.3

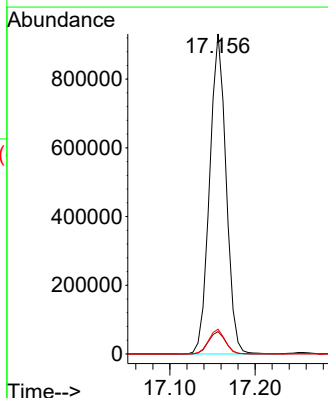
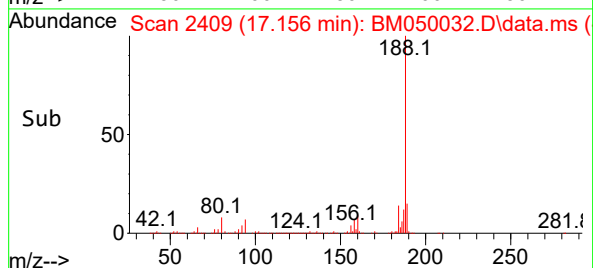
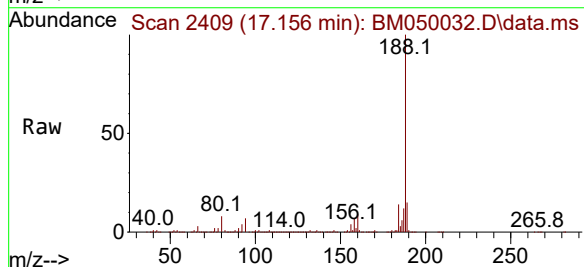
Manual Integrations
APPROVED

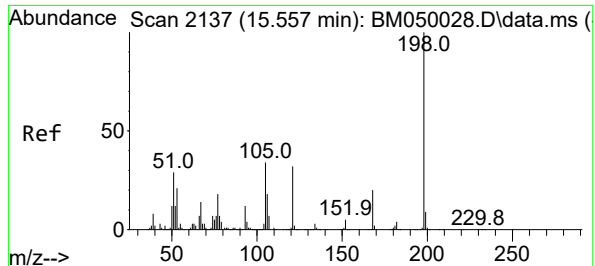
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.156 min Scan# 2409
Delta R.T. -0.001 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

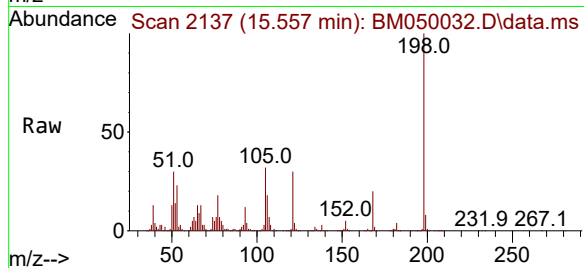
Tgt Ion:188 Resp: 1251563
Ion Ratio Lower Upper
188 100
94 7.0 5.7 8.5
80 7.7 6.2 9.4





#65
4,6-Dinitro-2-methylphenol
Concen: 46.920 ng
RT: 15.557 min Scan# 2137
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

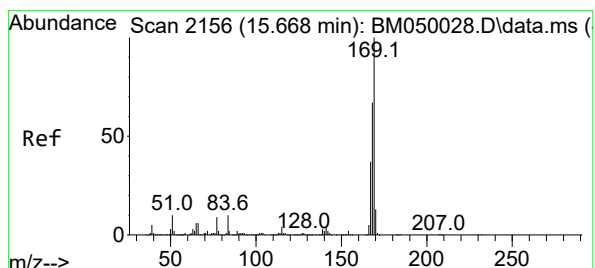
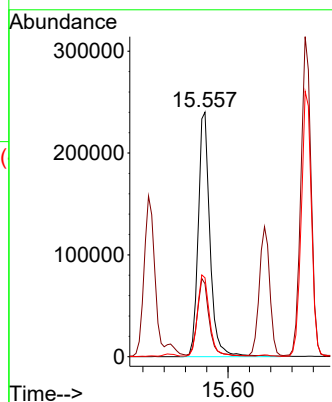
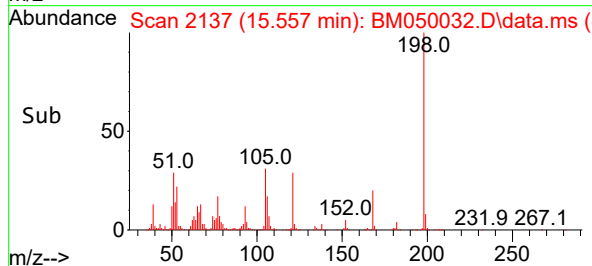
Instrument :
BNA_M
ClientSampleId :
ICVBM042825



Tgt Ion:198 Resp: 367580
Ion Ratio Lower Upper
198 100
51 29.9 10.4 50.4
105 32.3 14.6 54.6

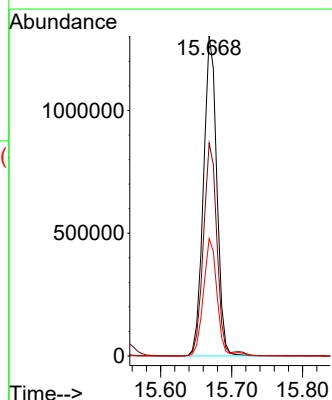
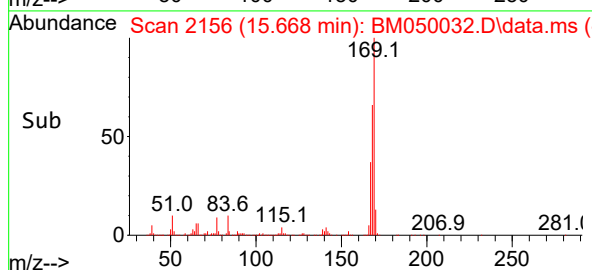
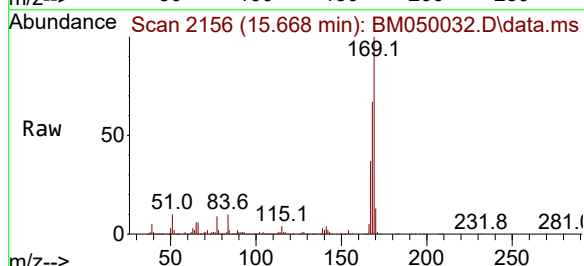
Manual Integrations
APPROVED

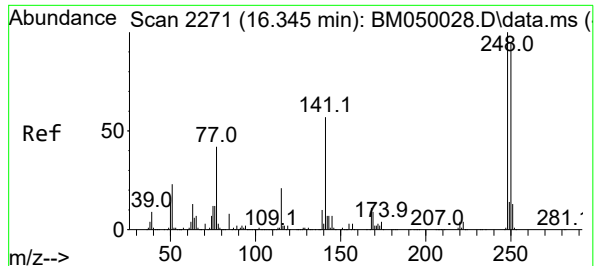
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#66
n-Nitrosodiphenylamine
Concen: 44.485 ng
RT: 15.668 min Scan# 2156
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

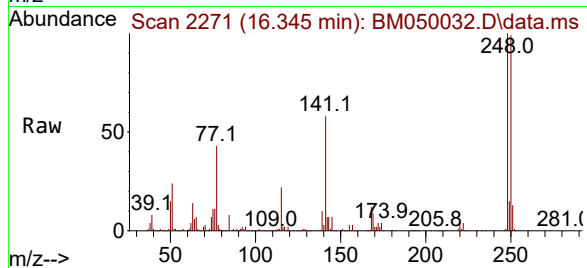
Tgt Ion:169 Resp: 1709666
Ion Ratio Lower Upper
169 100
168 66.5 53.4 80.2
167 36.6 29.4 44.0





#67
4-Bromophenyl-phenylether
Concen: 43.944 ng
RT: 16.345 min Scan# 2271
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

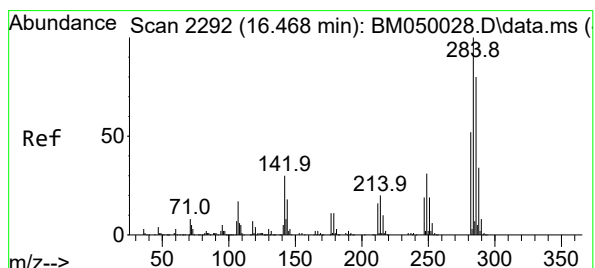
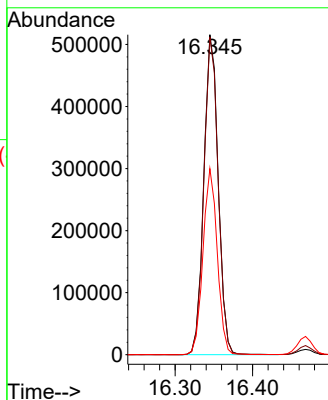
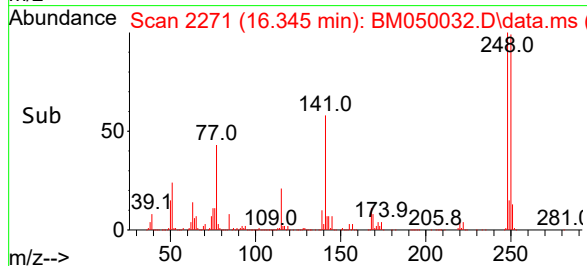
Instrument :
BNA_M
ClientSampleId :
ICVBM042825



Tgt Ion:248 Resp: 665088
Ion Ratio Lower Upper
248 100
250 99.3 76.2 114.2
141 58.1 45.9 68.9

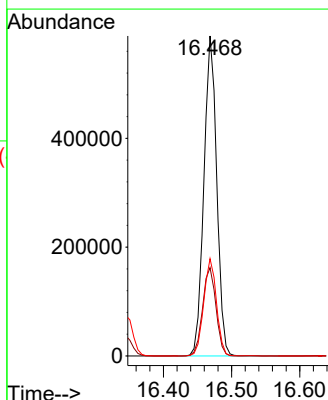
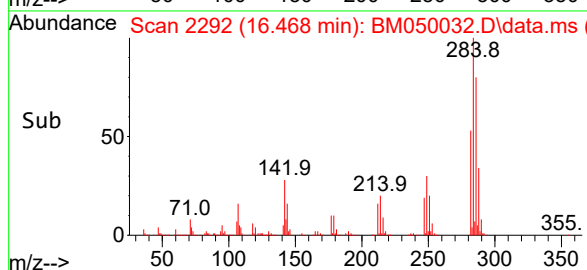
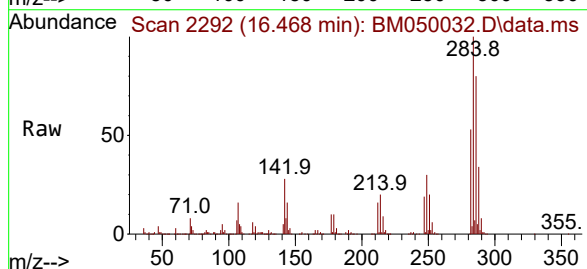
Manual Integrations
APPROVED

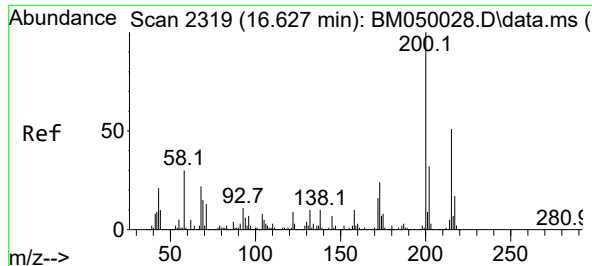
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#68
Hexachlorobenzene
Concen: 44.174 ng
RT: 16.468 min Scan# 2292
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

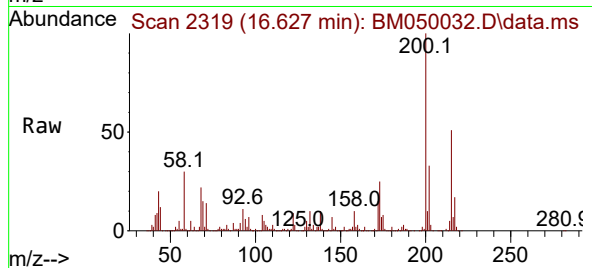
Tgt Ion:284 Resp: 770651
Ion Ratio Lower Upper
284 100
142 27.6 23.9 35.9
249 30.4 24.5 36.7





#69
 Atrazine
 Concen: 44.483 ng
 RT: 16.627 min Scan# 2319
 Delta R.T. 0.000 min
 Lab File: BM050032.D
 Acq: 28 Apr 2025 17:43

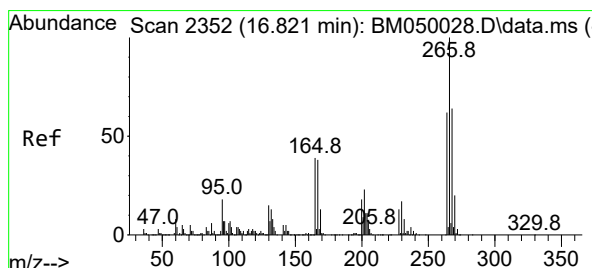
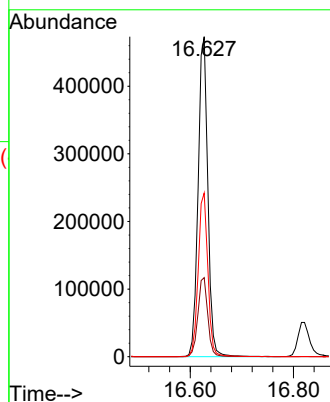
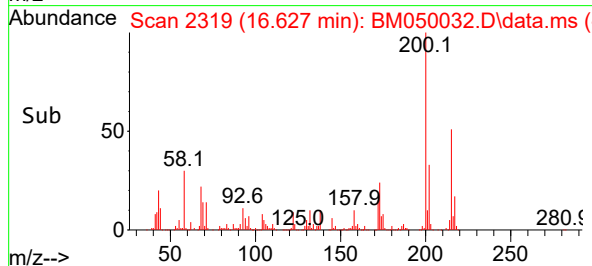
Instrument :
 BNA_M
 ClientSampleId :
 ICVBM042825



Tgt Ion:200 Resp: 616670
 Ion Ratio Lower Upper
 200 100
 173 24.7 4.3 44.3
 215 51.1 30.6 70.6

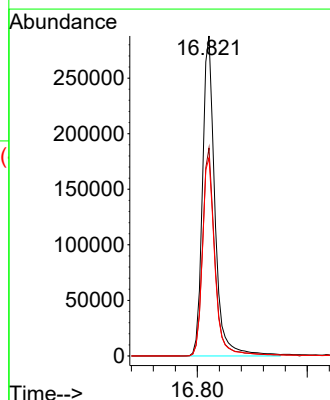
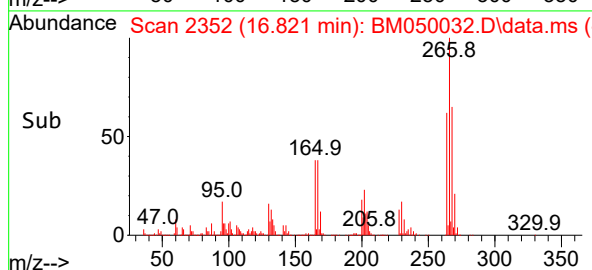
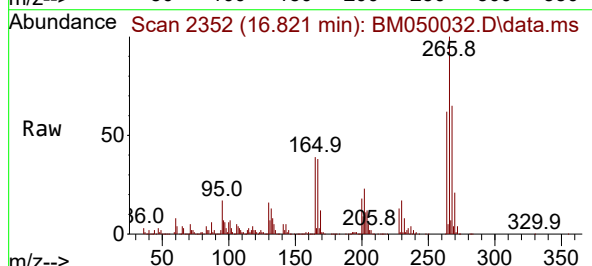
Manual Integrations
 APPROVED

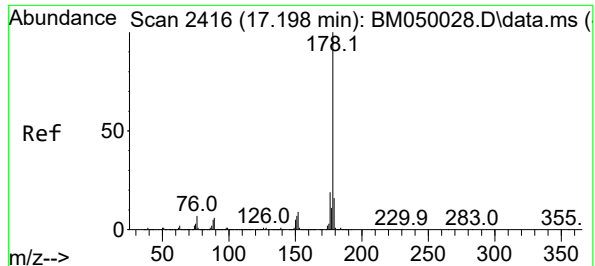
Reviewed By :Rahul Chavli 04/29/2025
 Supervised By :Jagrut Upadhyay 04/29/2025



#70
 Pentachlorophenol
 Concen: 46.059 ng
 RT: 16.821 min Scan# 2352
 Delta R.T. 0.000 min
 Lab File: BM050032.D
 Acq: 28 Apr 2025 17:43

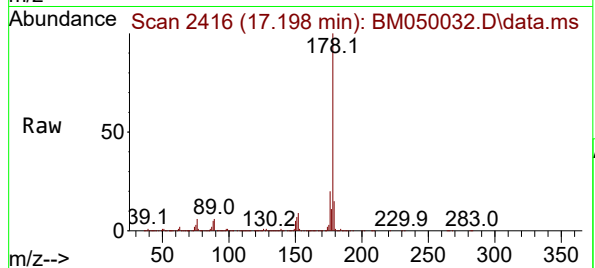
Tgt Ion:266 Resp: 452303
 Ion Ratio Lower Upper
 266 100
 268 64.9 51.2 76.8
 264 61.9 49.6 74.4





#71
Phenanthrene
Concen: 44.895 ng
RT: 17.198 min Scan# 2416
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

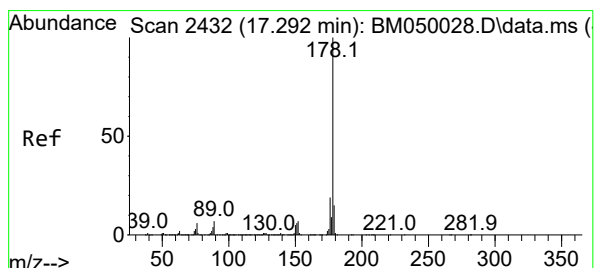
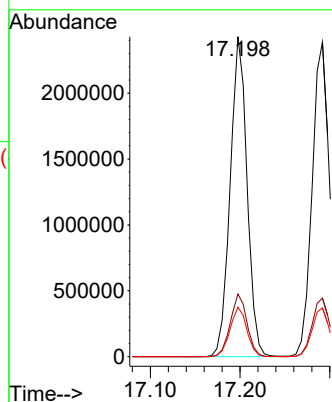
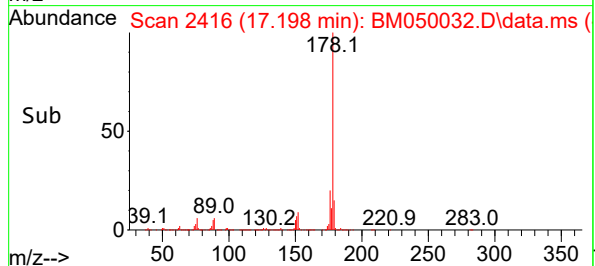
Instrument :
BNA_M
ClientSampleId :
ICVBM042825



Tgt Ion:178 Resp: 316914
Ion Ratio Lower Upper
178 100
176 19.6 15.3 22.9
179 15.4 12.4 18.6

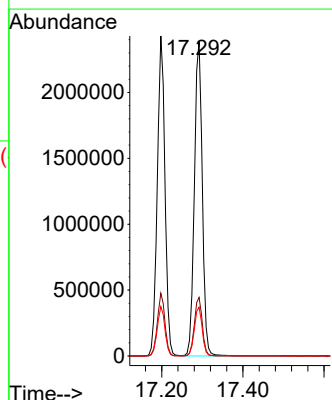
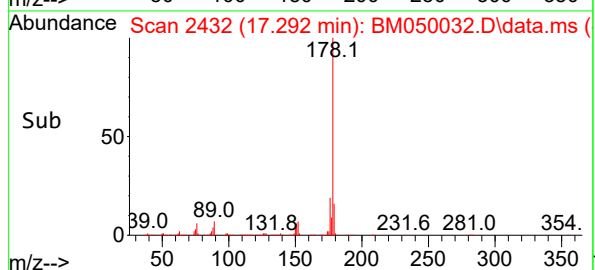
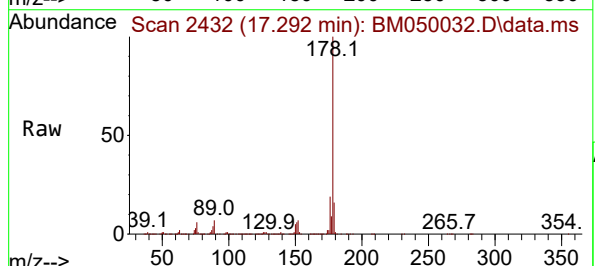
Manual Integrations
APPROVED

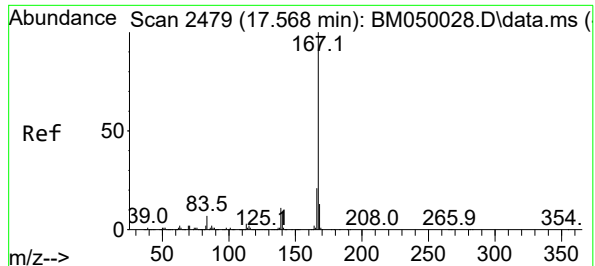
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#72
Anthracene
Concen: 45.381 ng
RT: 17.292 min Scan# 2432
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

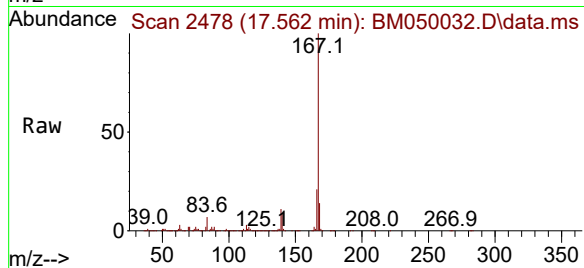
Tgt Ion:178 Resp: 3241829
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.4
179 15.5 12.2 18.4





#73
Carbazole
Concen: 46.001 ng
RT: 17.562 min Scan# 2479
Delta R.T. -0.006 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

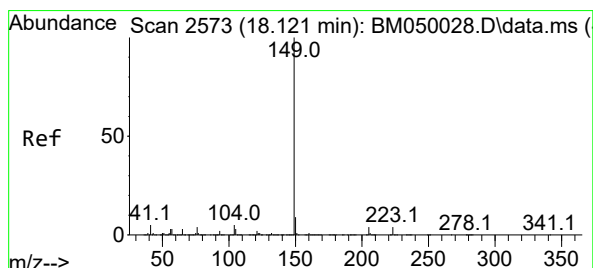
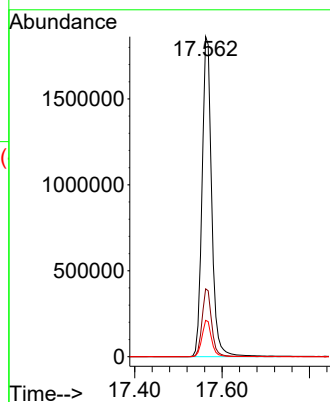
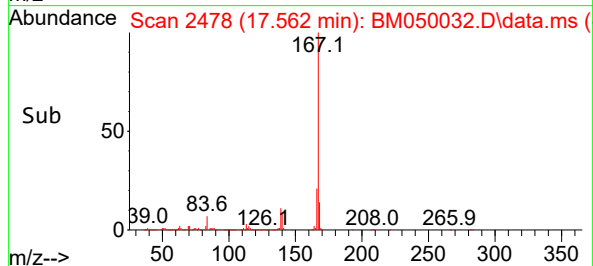
Instrument :
BNA_M
ClientSampleId :
ICVBM042825



Tgt Ion:167 Resp: 2851510
Ion Ratio Lower Upper
167 100
166 21.2 17.2 25.8
139 11.3 9.0 13.6

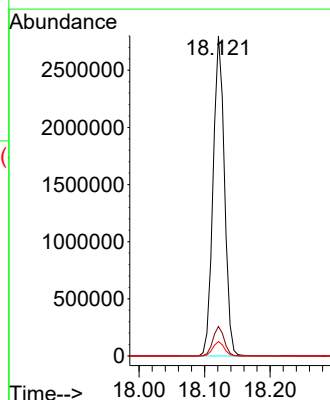
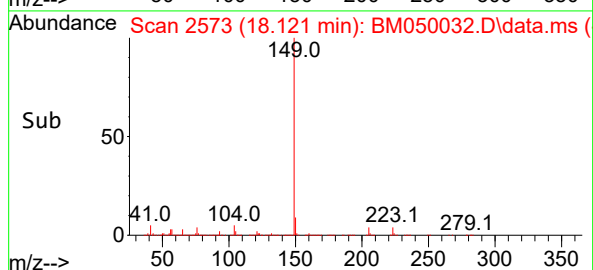
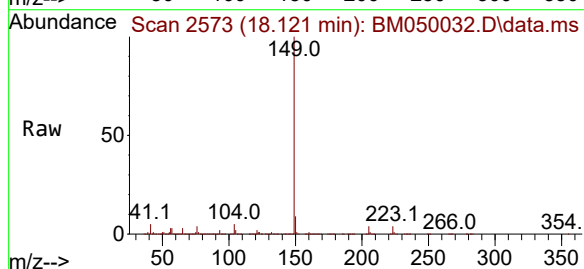
Manual Integrations
APPROVED

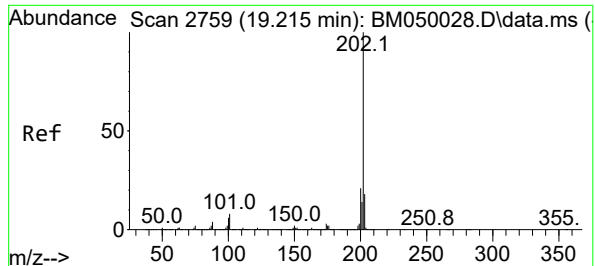
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#74
Di-n-butylphthalate
Concen: 45.654 ng
RT: 18.121 min Scan# 2573
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

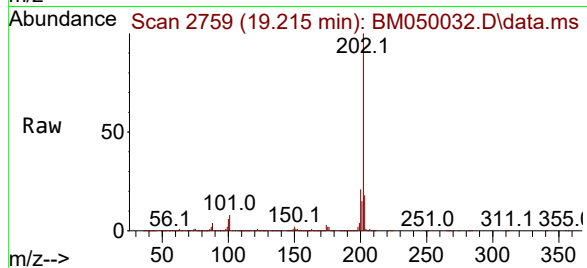
Tgt Ion:149 Resp: 3370238
Ion Ratio Lower Upper
149 100
150 9.2 7.3 10.9
104 4.5 3.8 5.6





#75
Fluoranthene
Concen: 46.998 ng
RT: 19.215 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

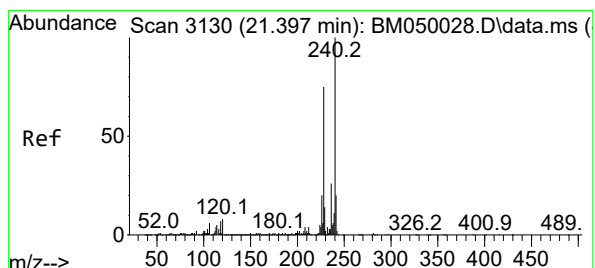
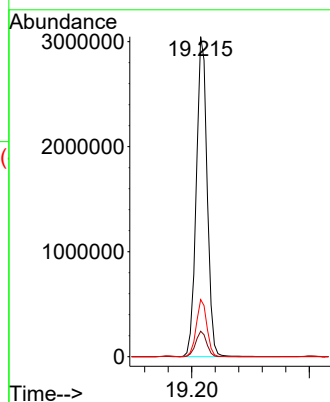
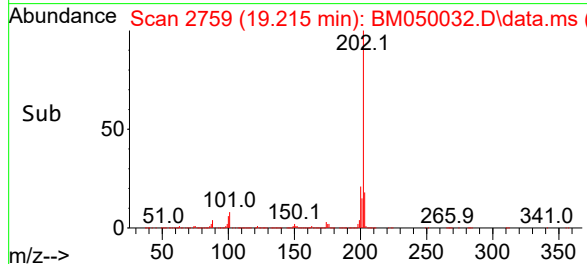
Instrument :
BNA_M
ClientSampleId :
ICVBM042825



Tgt Ion:202 Resp: 3895040
Ion Ratio Lower Upper
202 100
101 8.0 0.0 28.0
203 17.9 0.0 37.7

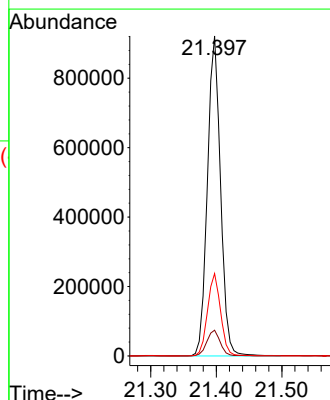
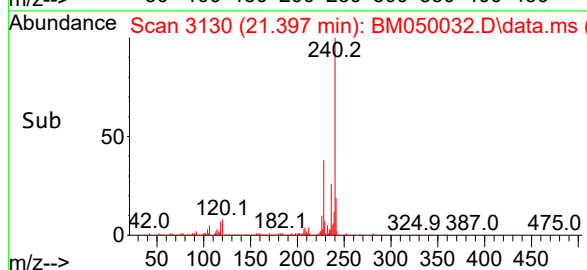
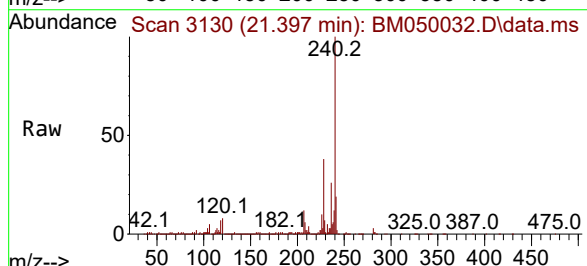
Manual Integrations
APPROVED

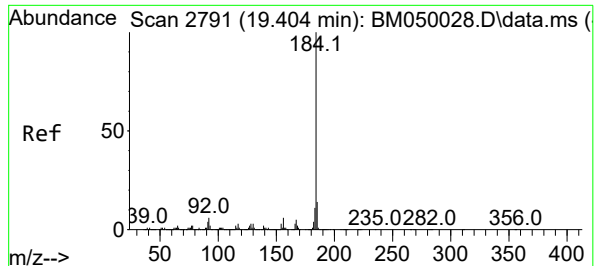
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.397 min Scan# 3130
Delta R.T. 0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

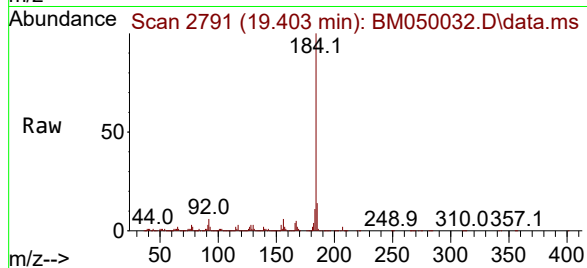
Tgt Ion:240 Resp: 1285998
Ion Ratio Lower Upper
240 100
120 8.0 6.5 9.7
236 25.8 20.9 31.3





#77
Benzidine
Concen: 44.204 ng
RT: 19.403 min Scan# 2791
Delta R.T. -0.001 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

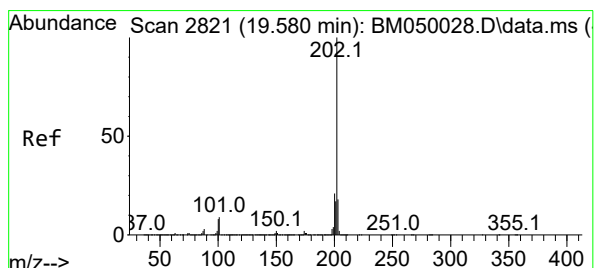
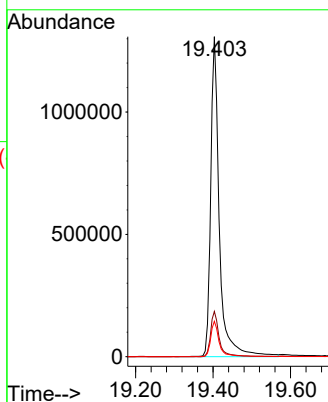
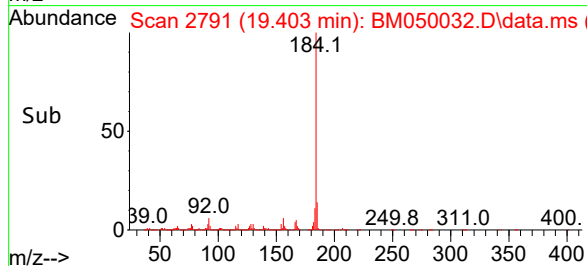
Instrument :
BNA_M
ClientSampleId :
ICVBM042825



Tgt Ion:184 Resp: 201920
Ion Ratio Lower Upper
184 100
185 14.1 11.5 17.3
183 11.0 8.9 13.3

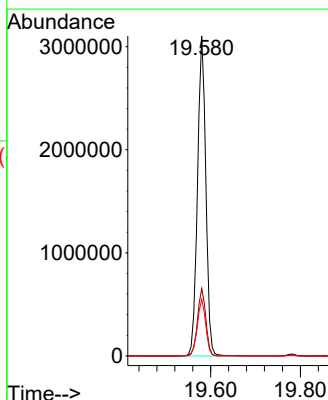
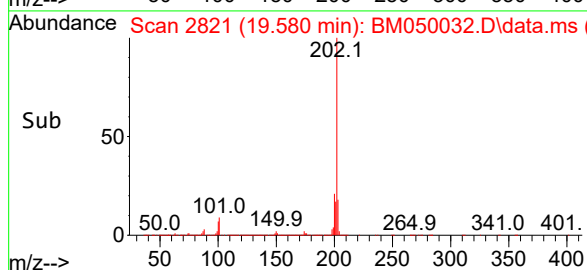
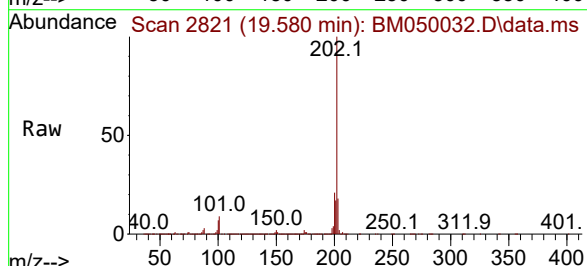
Manual Integrations
APPROVED

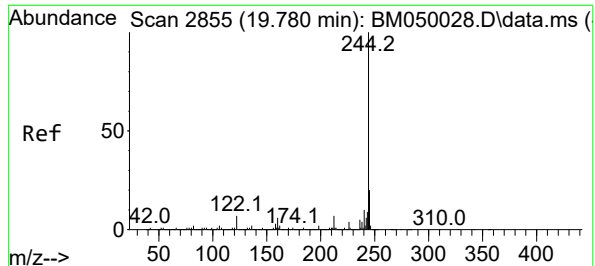
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#78
Pyrene
Concen: 44.209 ng
RT: 19.580 min Scan# 2821
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

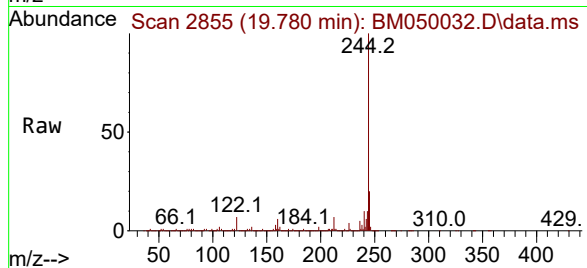
Tgt Ion:202 Resp: 3992384
Ion Ratio Lower Upper
202 100
200 21.0 16.7 25.1
203 17.7 14.1 21.1





#79
Terphenyl-d14
Concen: 78.970 ng
RT: 19.780 min Scan# 2855
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

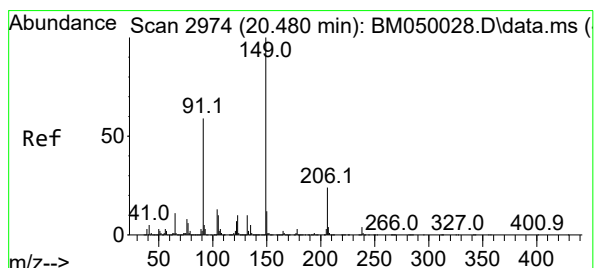
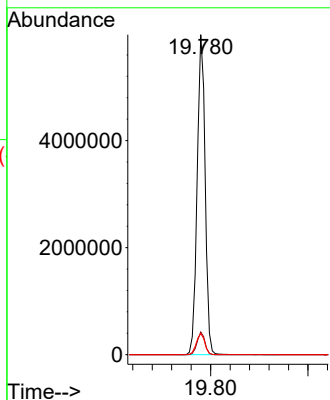
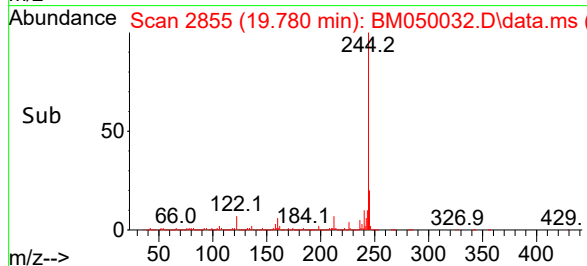
Instrument :
BNA_M
ClientSampleId :
ICVBM042825



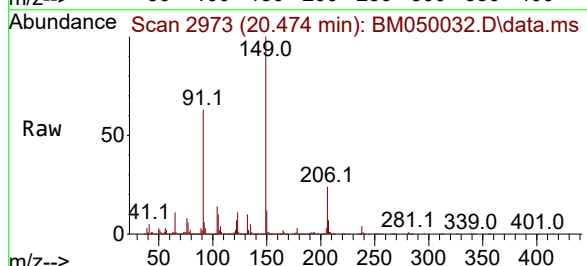
Tgt Ion:244 Resp: 686305
Ion Ratio Lower Upper
244 100
212 7.1 5.6 8.4
122 6.6 5.6 8.4

Manual Integrations
APPROVED

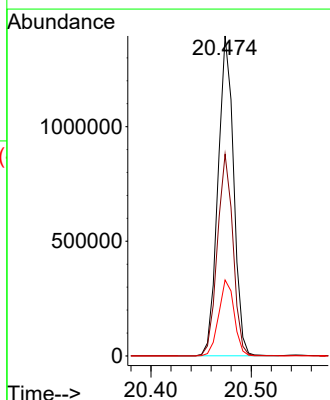
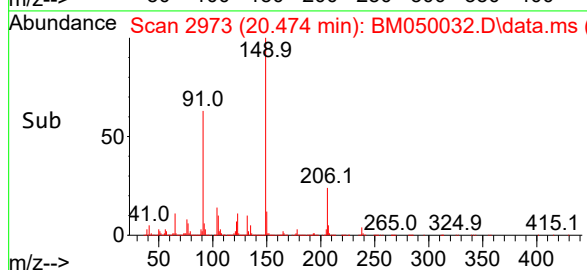
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

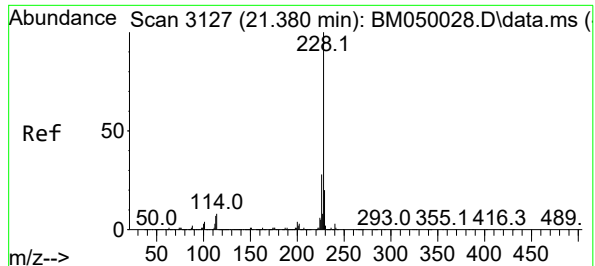


#80
Butylbenzylphthalate
Concen: 44.718 ng
RT: 20.474 min Scan# 2973
Delta R.T. -0.006 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43



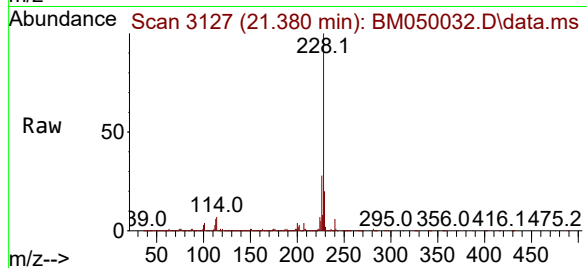
Tgt Ion:149 Resp: 1512498
Ion Ratio Lower Upper
149 100
91 63.0 47.4 71.2
206 23.7 19.4 29.0





#81
Benzo(a)anthracene
Concen: 45.497 ng
RT: 21.380 min Scan# 3127
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

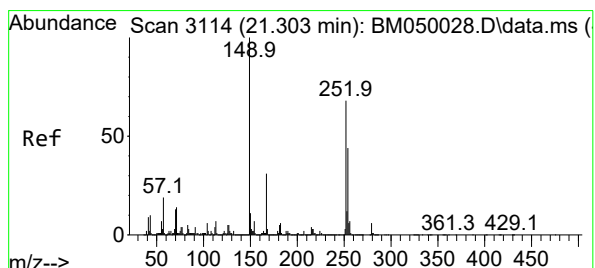
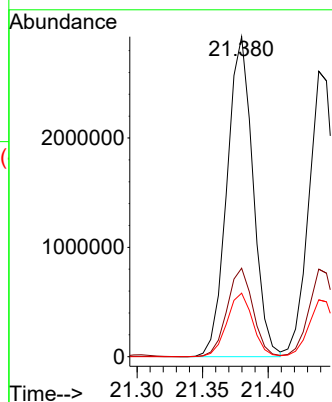
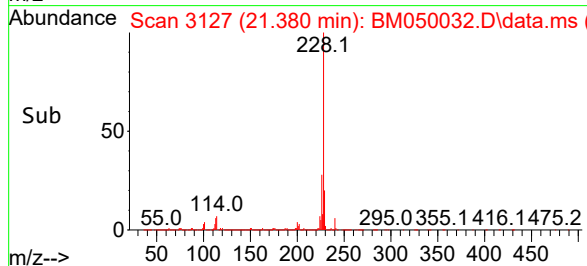
Instrument :
BNA_M
ClientSampleId :
ICVBM042825



Tgt Ion:228 Resp: 4029064
Ion Ratio Lower Upper
228 100
226 27.7 22.1 33.1
229 19.8 15.7 23.5

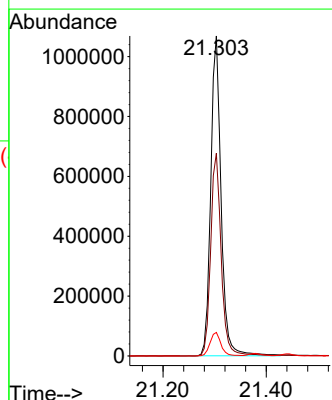
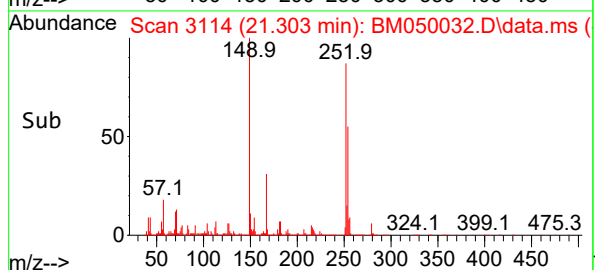
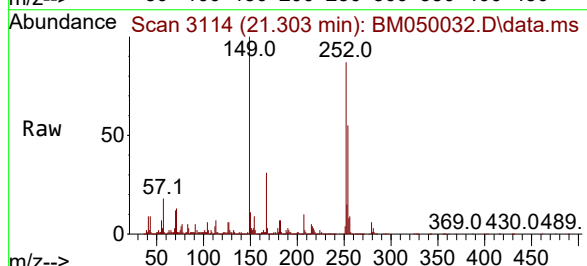
Manual Integrations
APPROVED

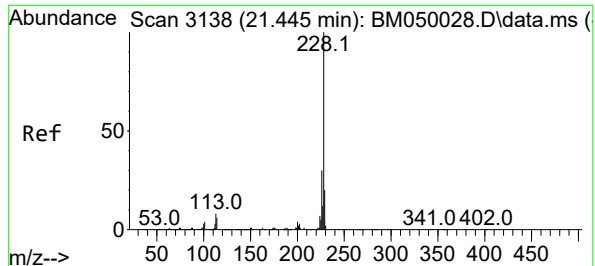
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#82
3,3'-Dichlorobenzidine
Concen: 43.871 ng
RT: 21.303 min Scan# 3114
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

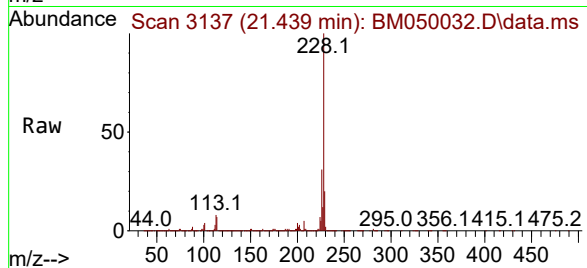
Tgt Ion:252 Resp: 1487254
Ion Ratio Lower Upper
252 100
254 63.3 51.8 77.6
126 7.4 6.0 9.0





#83
Chrysene
Concen: 44.967 ng
RT: 21.439 min Scan# 3138
Delta R.T. -0.006 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

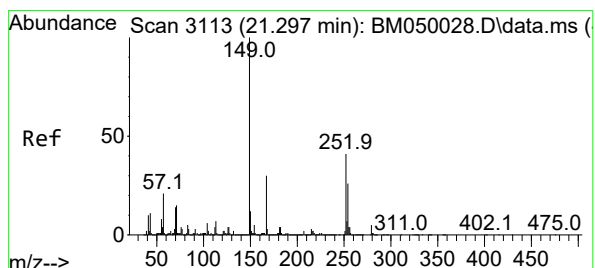
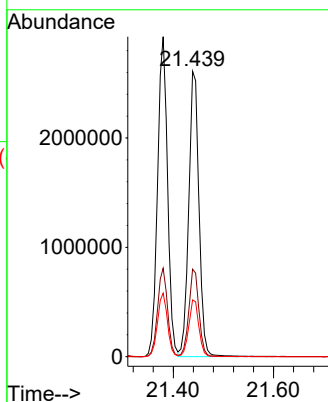
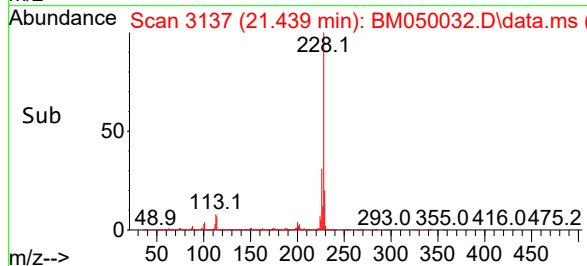
Instrument :
BNA_M
ClientSampleId :
ICVBM042825



Tgt Ion:228 Resp: 368560
Ion Ratio Lower Upper
228 100
226 30.7 24.2 36.2
229 19.9 15.7 23.5

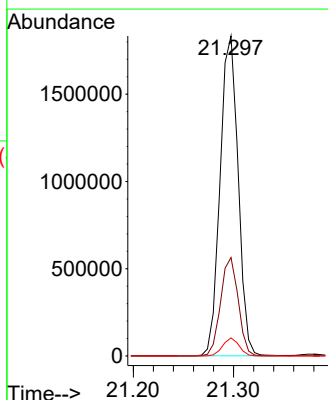
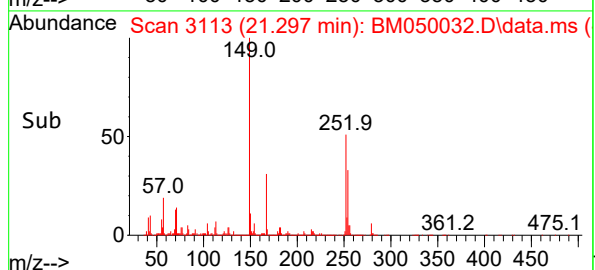
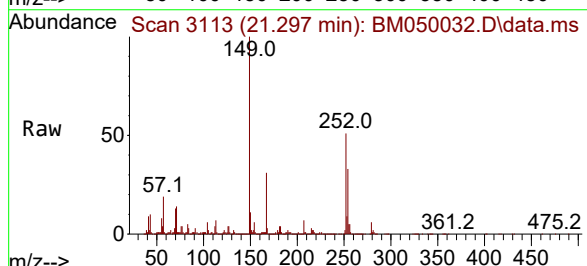
Manual Integrations
APPROVED

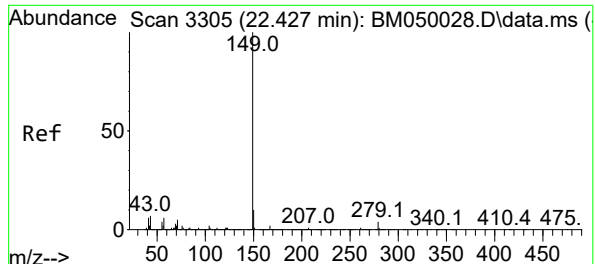
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#84
Bis(2-ethylhexyl)phthalate
Concen: 45.224 ng
RT: 21.297 min Scan# 3113
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

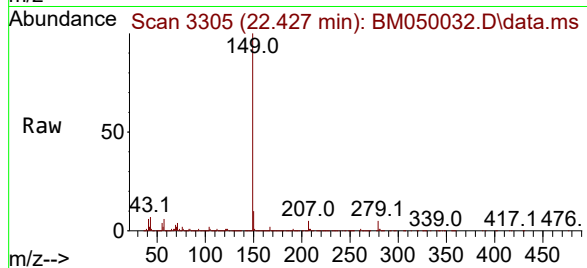
Tgt Ion:149 Resp: 2284769
Ion Ratio Lower Upper
149 100
167 30.7 24.1 36.1
279 5.6 3.9 5.9





#85
Di-n-octyl phthalate
Concen: 44.974 ng
RT: 22.427 min Scan# 3305
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

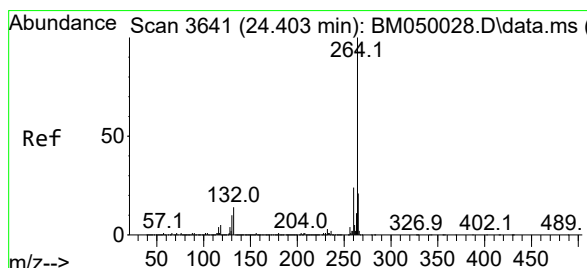
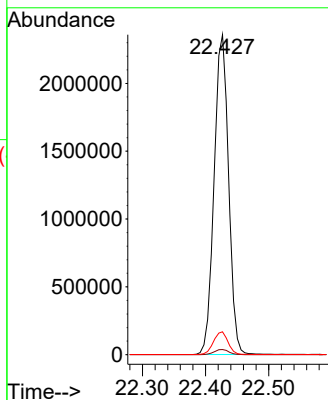
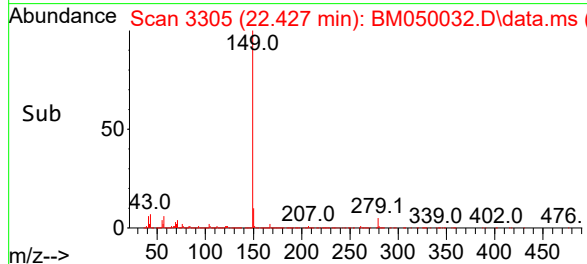
Instrument :
BNA_M
ClientSampleId :
ICVBM042825



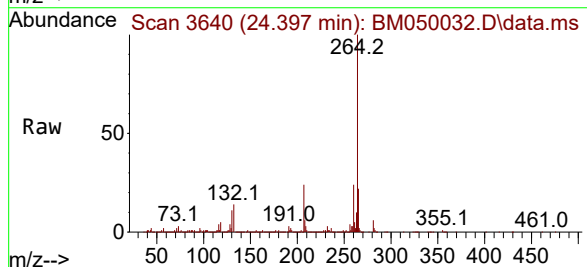
Tgt Ion:149 Resp: 374709
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 7.2 5.8 8.8

Manual Integrations
APPROVED

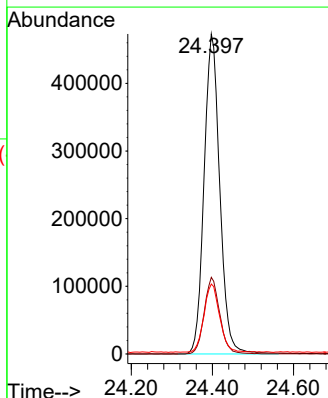
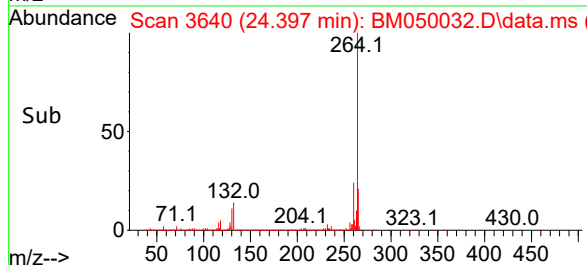
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025

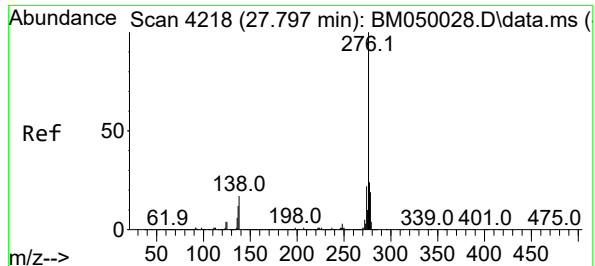


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.397 min Scan# 3640
Delta R.T. -0.006 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43



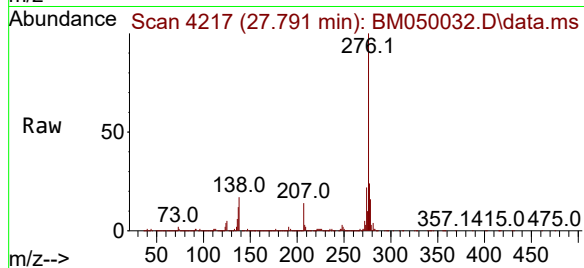
Tgt Ion:264 Resp: 1266367
Ion Ratio Lower Upper
264 100
260 24.0 18.8 28.2
265 21.9 17.0 25.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 46.249 ng
RT: 27.791 min Scan# 4218
Delta R.T. -0.006 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

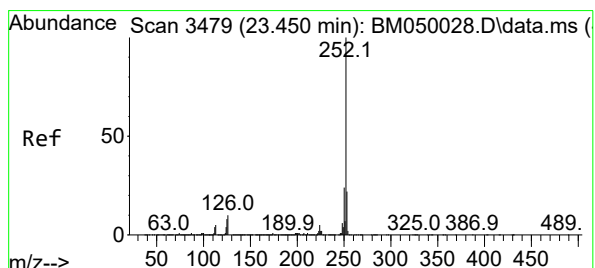
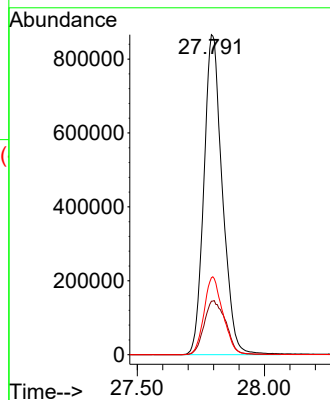
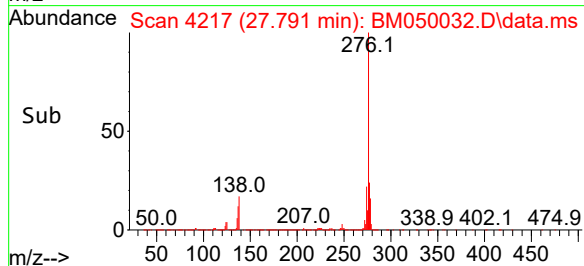
Instrument :
BNA_M
ClientSampleId :
ICVBM042825



Tgt Ion:276 Resp: 436403
Ion Ratio Lower Upper
276 100
138 19.8 16.4 24.6
277 25.0 19.8 29.8

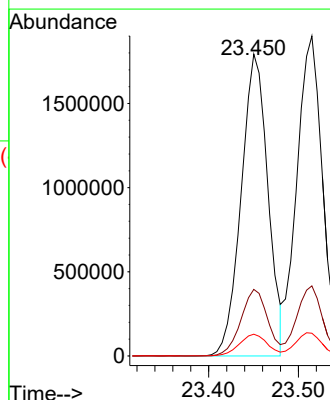
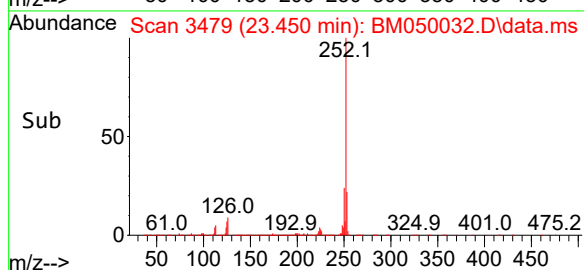
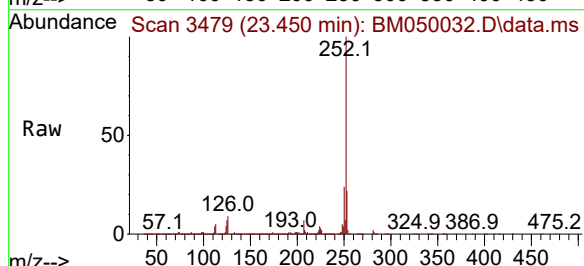
Manual Integrations
APPROVED

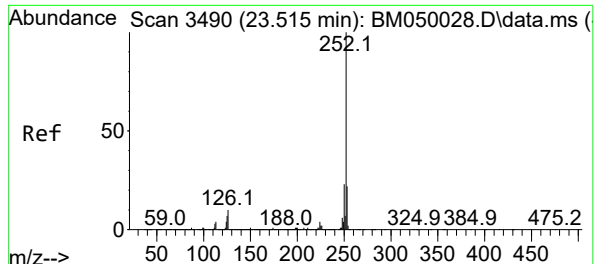
Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#88
Benzo(b)fluoranthene
Concen: 45.066 ng
RT: 23.450 min Scan# 3479
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:252 Resp: 3711451
Ion Ratio Lower Upper
252 100
253 22.0 17.7 26.5
125 7.2 6.1 9.1





#89

Benzo(k)fluoranthene

Concen: 45.780 ng

RT: 23.515 min Scan# 3490

Delta R.T. -0.000 min

Lab File: BM050032.D

Acq: 28 Apr 2025 17:43

Instrument :

BNA_M

ClientSampleId :

ICVBM042825

Tgt Ion:252 Resp: 3813739

Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.2

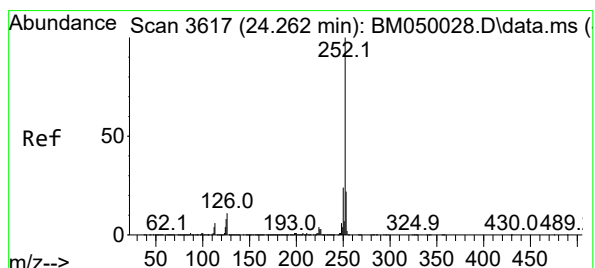
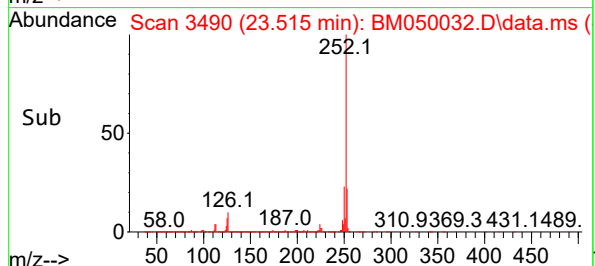
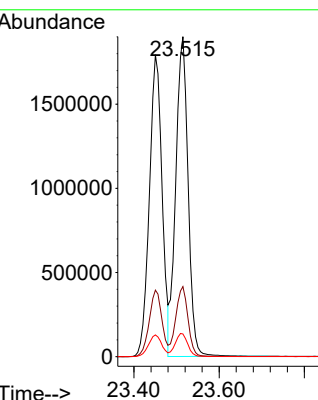
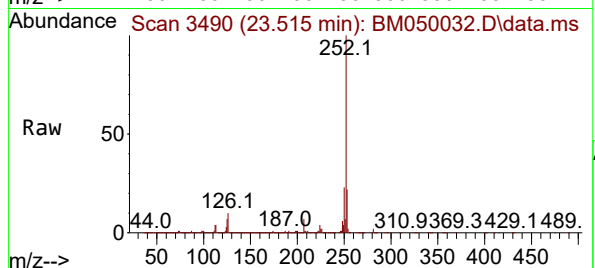
125 7.1 5.8 8.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 04/29/2025

Supervised By :Jagrut Upadhyay 04/29/2025



#90

Benzo(a)pyrene

Concen: 45.577 ng

RT: 24.262 min Scan# 3617

Delta R.T. -0.000 min

Lab File: BM050032.D

Acq: 28 Apr 2025 17:43

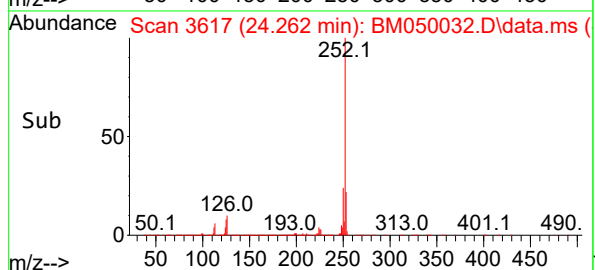
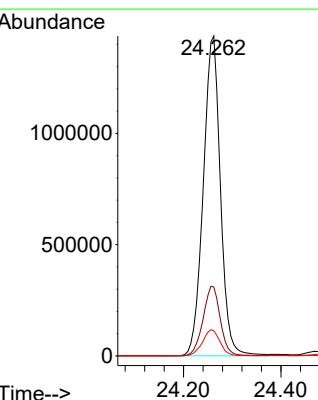
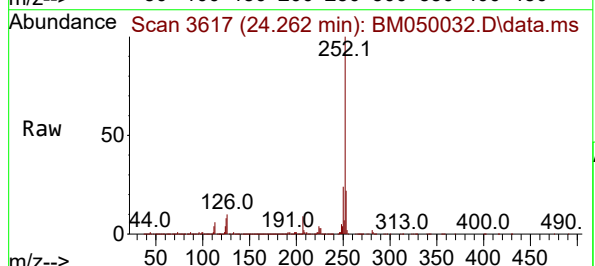
Tgt Ion:252 Resp: 3515582

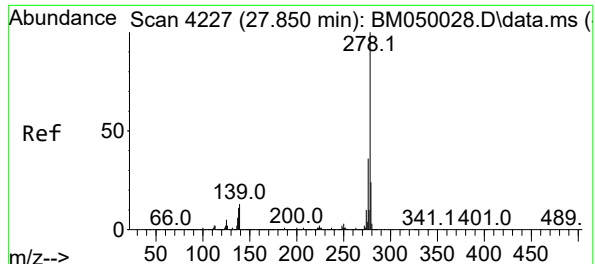
Ion Ratio Lower Upper

252 100

253 21.5 17.4 26.0

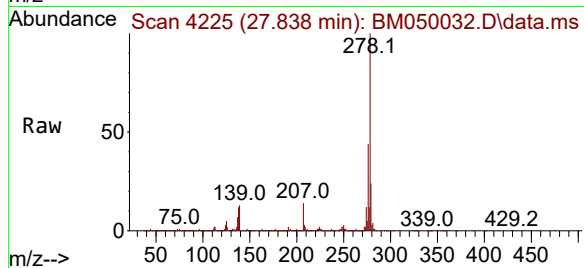
125 7.9 6.6 9.8





#91
Dibenzo(a,h)anthracene
Concen: 46.091 ng
RT: 27.838 min Scan# 4225
Delta R.T. -0.012 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

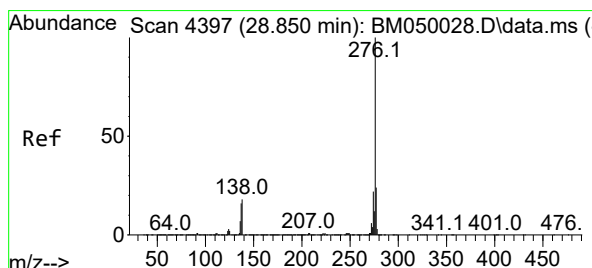
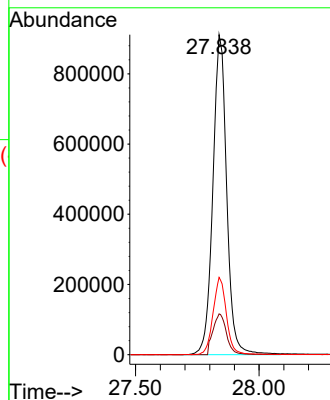
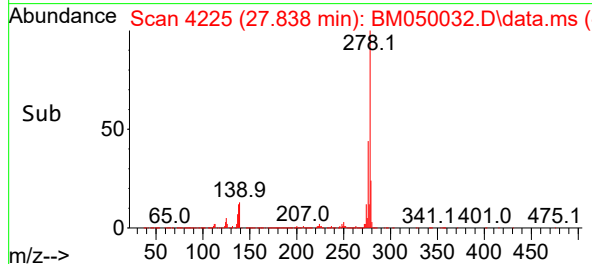
Instrument :
BNA_M
ClientSampleId :
ICVBM042825



Tgt Ion:278 Resp: 354529
Ion Ratio Lower Upper
278 100
139 12.7 10.5 15.7
279 24.1 19.4 29.0

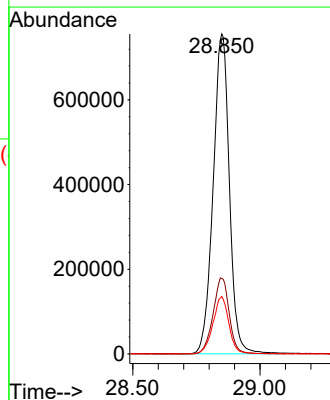
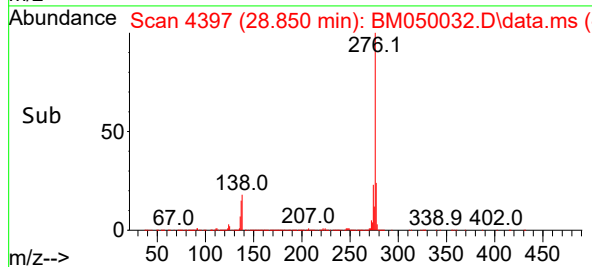
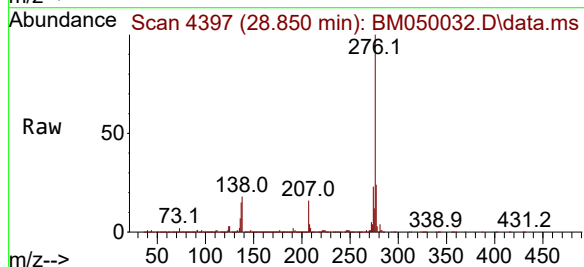
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 04/29/2025
Supervised By :Jagrut Upadhyay 04/29/2025



#92
Benzo(g,h,i)perylene
Concen: 45.437 ng
RT: 28.850 min Scan# 4397
Delta R.T. -0.000 min
Lab File: BM050032.D
Acq: 28 Apr 2025 17:43

Tgt Ion:276 Resp: 3345997
Ion Ratio Lower Upper
276 100
277 23.6 19.1 28.7
138 17.9 14.3 21.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
 Data File : BM050032.D
 Acq On : 28 Apr 2025 17:43
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 ICVBM042825

Quant Time: Apr 28 18:14:31 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 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	95	0.00
2	1,4-Dioxane	0.490	0.551	-12.4	103	0.00
3	Pyridine	1.258	1.464	-16.4	105	0.00
4	n-Nitrosodimethylamine	0.493	0.567	-15.0	104	0.00
5 S	2-Fluorophenol	1.142	1.255	-9.9	99	0.00
6	Aniline	1.813	2.118	-16.8	104	0.00
7 S	Phenol-d6	1.436	1.617	-12.6	100	0.00
8	2-Chlorophenol	1.235	1.412	-14.3	103	0.00
9	Benzaldehyde	0.961	1.055	-9.8	98	0.00
10 C	Phenol	1.453	1.704	-17.3	106	0.00
11	bis(2-Chloroethyl)ether	1.213	1.381	-13.8	103	0.00
12	1,3-Dichlorobenzene	1.492	1.666	-11.7	102	0.00
13 C	1,4-Dichlorobenzene	1.499	1.684	-12.3	103	0.00
14	1,2-Dichlorobenzene	1.448	1.635	-12.9	103	0.00
15	Benzyl Alcohol	0.996	1.199	-20.4	106	0.00
16	2,2'-oxybis(1-Chloropropane	1.475	1.657	-12.3	102	0.00
17	2-Methylphenol	0.957	1.129	-18.0	104	0.00
18	Hexachloroethane	0.533	0.596	-11.8	102	0.00
19 P	n-Nitroso-di-n-propylamine	0.921	1.102	-19.7	105	0.00
20	3+4-Methylphenols	1.293	1.551	-20.0	106	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	99	0.00
22	Acetophenone	0.497	0.561	-12.9	104	0.00
23 S	Nitrobenzene-d5	0.406	0.395	2.7	90	0.00
24	Nitrobenzene	0.351	0.396	-12.8	104	0.00
25	Isophorone	0.692	0.789	-14.0	107	0.00
26 C	2-Nitrophenol	0.179	0.211	-17.9	106	0.00
27	2,4-Dimethylphenol	0.297	0.345	-16.2	105	0.00
28	bis(2-Chloroethoxy)methane	0.428	0.480	-12.1	104	0.00
29 C	2,4-Dichlorophenol	0.333	0.386	-15.9	105	0.00
30	1,2,4-Trichlorobenzene	0.406	0.450	-10.8	104	0.00
31	Naphthalene	1.013	1.131	-11.6	105	0.00
32	Benzoic acid	0.190	0.219	-15.3	109	0.00
33	4-Chloroaniline	0.415	0.492	-18.6	110	0.00
34 C	Hexachlorobutadiene	0.258	0.284	-10.1	103	0.00
35	Caprolactam	0.097	0.113	-16.5	107	0.00
36 C	4-Chloro-3-methylphenol	0.308	0.360	-16.9	109	0.00
37	2-Methylnaphthalene	0.679	0.770	-13.4	107	0.00
38	1-Methylnaphthalene	0.719	0.812	-12.9	106	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	102	0.00
40	1,2,4,5-Tetrachlorobenzene	0.692	0.764	-10.4	105	0.00
41 P	Hexachlorocyclopentadiene	0.423	0.469	-10.9	106	0.00
42 S	2,4,6-Tribromophenol	0.296	0.335	-13.2	108	0.00
43 C	2,4,6-Trichlorophenol	0.439	0.506	-15.3	109	0.00
44	2,4,5-Trichlorophenol	0.474	0.548	-15.6	108	0.00
45 S	2-Fluorobiphenyl	1.691	1.612	4.7	91	0.00
46	1,1'-Biphenyl	1.487	1.643	-10.5	107	0.00
47	2-Chloronaphthalene	1.177	1.315	-11.7	108	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
 Data File : BM050032.D
 Acq On : 28 Apr 2025 17:43
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 ICVBM042825

Quant Time: Apr 28 18:14:31 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 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	0.276	0.329	-19.2	112	0.00
49	Acenaphthylene	1.857	2.103	-13.2	109	0.00
50	Dimethylphthalate	1.462	1.657	-13.3	111	0.00
51	2,6-Dinitrotoluene	0.303	0.360	-18.8	113	0.00
52 C	Acenaphthene	1.075	1.215	-13.0	110	0.00
53	3-Nitroaniline	0.289	0.353	-22.1	113	0.00
54 P	2,4-Dinitrophenol	0.164	0.206	-25.6#	119	0.00
55	Dibenzofuran	1.788	2.004	-12.1	109	0.00
56 P	4-Nitrophenol	0.205	0.258	-25.9#	118	0.00
57	2,4-Dinitrotoluene	0.418	0.505	-20.8	113	0.00
58	Fluorene	1.463	1.687	-15.3	111	0.00
59	2,3,4,6-Tetrachlorophenol	0.410	0.481	-17.3	113	0.00
60	Diethylphthalate	1.377	1.560	-13.3	111	0.00
61	4-Chlorophenyl-phenylether	0.804	0.923	-14.8	110	0.00
62	4-Nitroaniline	0.279	0.353	-26.5#	115	0.00
63	Azobenzene	1.154	1.320	-14.4	111	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	108	0.00
65	4,6-Dinitro-2-methylphenol	0.125	0.147	-17.6	117	0.00
66 c	n-Nitrosodiphenylamine	0.614	0.683	-11.2	112	0.00
67	4-Bromophenyl-phenylether	0.242	0.266	-9.9	111	0.00
68	Hexachlorobenzene	0.279	0.308	-10.4	113	0.00
69	Atrazine	0.222	0.246	-10.8	112	0.00
70 C	Pentachlorophenol	0.157	0.181	-15.3	117	0.00
71	Phenanthrene	1.128	1.266	-12.2	115	0.00
72	Anthracene	1.142	1.295	-13.4	115	0.00
73	Carbazole	0.991	1.139	-14.9	116	0.00
74	Di-n-butylphthalate	1.180	1.346	-14.1	116	0.00
75 C	Fluoranthene	1.324	1.556	-17.5	119	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	115	0.00
77	Benzydine	0.710	0.785	-10.6	117	0.00
78	Pyrene	1.404	1.552	-10.5	118	0.00
79 S	Terphenyl-d14	1.352	1.334	1.3	101	0.00
80	Butylbenzylphthalate	0.526	0.588	-11.8	121	0.00
81	Benzo(a)anthracene	1.377	1.567	-13.8	122	0.00
82	3,3'-Dichlorobenzidine	0.527	0.578	-9.7	115	0.00
83	Chrysene	1.275	1.433	-12.4	123	0.00
84	Bis(2-ethylhexyl)phthalate	0.786	0.888	-13.0	122	0.00
85 c	Di-n-octyl phthalate	1.296	1.457	-12.4	123	0.00
86 I	Perylene-d12	1.000	1.000	0.0	118	0.00
87	Indeno(1,2,3-cd)pyrene	1.490	1.723	-15.6	127	0.00
88	Benzo(b)fluoranthene	1.301	1.465	-12.6	123	0.00
89	Benzo(k)fluoranthene	1.316	1.506	-14.4	128	0.00
90 C	Benzo(a)pyrene	1.218	1.388	-14.0	127	0.00
91	Dibenzo(a,h)anthracene	1.215	1.400	-15.2	127	-0.01
92	Benzo(g,h,i)perylene	1.163	1.321	-13.6	126	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050032.D
Acq On : 28 Apr 2025 17:43
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM042825

Quant Time: Apr 28 18:14:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
 Data File : BM050032.D
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 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	95	0.00
2	1,4-Dioxane	40.000	44.976	-12.4	103	0.00
3	Pyridine	40.000	46.534	-16.3	105	0.00
4	n-Nitrosodimethylamine	40.000	45.956	-14.9	104	0.00
5 S	2-Fluorophenol	80.000	87.928	-9.9	99	0.00
6	Aniline	40.000	46.744	-16.9	104	0.00
7 S	Phenol-d6	80.000	90.140	-12.7	100	0.00
8	2-Chlorophenol	40.000	45.724	-14.3	103	0.00
9	Benzaldehyde	40.000	43.937	-9.8	98	0.00
10 C	Phenol	40.000	46.913	-17.3	106	0.00
11	bis(2-Chloroethyl)ether	40.000	45.521	-13.8	103	0.00
12	1,3-Dichlorobenzene	40.000	44.672	-11.7	102	0.00
13 C	1,4-Dichlorobenzene	40.000	44.941	-12.4	103	0.00
14	1,2-Dichlorobenzene	40.000	45.174	-12.9	103	0.00
15	Benzyl Alcohol	40.000	48.167	-20.4	106	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	44.929	-12.3	102	0.00
17	2-Methylphenol	40.000	47.153	-17.9	104	0.00
18	Hexachloroethane	40.000	44.738	-11.8	102	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	47.892	-19.7	105	0.00
20	3+4-Methylphenols	40.000	47.974	-19.9	106	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	99	0.00
22	Acetophenone	40.000	45.153	-12.9	104	0.00
23 S	Nitrobenzene-d5	80.000	77.798	2.8	90	0.00
24	Nitrobenzene	40.000	45.104	-12.8	104	0.00
25	Isophorone	40.000	45.596	-14.0	107	0.00
26 C	2-Nitrophenol	40.000	47.087	-17.7	106	0.00
27	2,4-Dimethylphenol	40.000	46.404	-16.0	105	0.00
28	bis(2-Chloroethoxy)methane	40.000	44.920	-12.3	104	0.00
29 C	2,4-Dichlorophenol	40.000	46.375	-15.9	105	0.00
30	1,2,4-Trichlorobenzene	40.000	44.348	-10.9	104	0.00
31	Naphthalene	40.000	44.651	-11.6	105	0.00
32	Benzoic acid	40.000	46.063	-15.2	109	0.00
33	4-Chloroaniline	40.000	47.375	-18.4	110	0.00
34 C	Hexachlorobutadiene	40.000	44.034	-10.1	103	0.00
35	Caprolactam	40.000	46.481	-16.2	107	0.00
36 C	4-Chloro-3-methylphenol	40.000	46.825	-17.1	109	0.00
37	2-Methylnaphthalene	40.000	45.374	-13.4	107	0.00
38	1-Methylnaphthalene	40.000	45.198	-13.0	106	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	102	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	44.140	-10.4	105	0.00
41 P	Hexachlorocyclopentadiene	40.000	44.374	-10.9	106	0.00
42 S	2,4,6-Tribromophenol	80.000	90.503	-13.1	108	0.00
43 C	2,4,6-Trichlorophenol	40.000	46.094	-15.2	109	0.00
44	2,4,5-Trichlorophenol	40.000	46.271	-15.7	108	0.00
45 S	2-Fluorobiphenyl	80.000	76.259	4.7	91	0.00
46	1,1'-Biphenyl	40.000	44.207	-10.5	107	0.00
47	2-Chloronaphthalene	40.000	44.684	-11.7	108	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
 Data File : BM050032.D
 Acq On : 28 Apr 2025 17:43
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 ICVBM042825

Quant Time: Apr 28 18:14:31 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 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	47.621	-19.1	112	0.00
49	Acenaphthylene	40.000	45.315	-13.3	109	0.00
50	Dimethylphthalate	40.000	45.338	-13.3	111	0.00
51	2,6-Dinitrotoluene	40.000	47.554	-18.9	113	0.00
52 C	Acenaphthene	40.000	45.210	-13.0	110	0.00
53	3-Nitroaniline	40.000	48.843	-22.1	113	0.00
54 P	2,4-Dinitrophenol	40.000	45.189	-13.0	119	0.00
55	Dibenzofuran	40.000	44.828	-12.1	109	0.00
56 P	4-Nitrophenol	40.000	46.012	-15.0	118	0.00
57	2,4-Dinitrotoluene	40.000	48.311	-20.8	113	0.00
58	Fluorene	40.000	46.115	-15.3	111	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	46.970	-17.4	113	0.00
60	Diethylphthalate	40.000	45.299	-13.2	111	0.00
61	4-Chlorophenyl-phenylether	40.000	45.950	-14.9	110	0.00
62	4-Nitroaniline	40.000	50.610	-26.5#	115	0.00
63	Azobenzene	40.000	45.747	-14.4	111	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	108	0.00
65	4,6-Dinitro-2-methylphenol	40.000	46.920	-17.3	117	0.00
66 c	n-Nitrosodiphenylamine	40.000	44.485	-11.2	112	0.00
67	4-Bromophenyl-phenylether	40.000	43.944	-9.9	111	0.00
68	Hexachlorobenzene	40.000	44.174	-10.4	113	0.00
69	Atrazine	40.000	44.483	-11.2	112	0.00
70 C	Pentachlorophenol	40.000	46.059	-15.1	117	0.00
71	Phenanthrene	40.000	44.895	-12.2	115	0.00
72	Anthracene	40.000	45.381	-13.5	115	0.00
73	Carbazole	40.000	46.001	-15.0	116	0.00
74	Di-n-butylphthalate	40.000	45.654	-14.1	116	0.00
75 C	Fluoranthene	40.000	46.998	-17.5	119	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	115	0.00
77	Benzydine	40.000	44.204	-10.5	117	0.00
78	Pyrene	40.000	44.209	-10.5	118	0.00
79 S	Terphenyl-d14	80.000	78.970	1.3	101	0.00
80	Butylbenzylphthalate	40.000	44.718	-11.8	121	0.00
81	Benzo(a)anthracene	40.000	45.497	-13.7	122	0.00
82	3,3'-Dichlorobenzidine	40.000	43.871	-9.7	115	0.00
83	Chrysene	40.000	44.967	-12.4	123	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	45.224	-13.1	122	0.00
85 c	Di-n-octyl phthalate	40.000	44.974	-12.4	123	0.00
86 I	Perylene-d12	20.000	20.000	0.0	118	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	46.249	-15.6	127	0.00
88	Benzo(b)fluoranthene	40.000	45.066	-12.7	123	0.00
89	Benzo(k)fluoranthene	40.000	45.780	-14.5	128	0.00
90 C	Benzo(a)pyrene	40.000	45.577	-13.9	127	0.00
91	Dibenzo(a,h)anthracene	40.000	46.091	-15.2	127	-0.01
92	Benzo(g,h,i)perylene	40.000	45.437	-13.6	126	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050032.D
Acq On : 28 Apr 2025 17:43
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ICVBM042825

Quant Time: Apr 28 18:14:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 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



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: SAXT01

Lab Code: CHEM Case No.: Q1938 SAS No.: Q1938 SDG No.: Q1938

Instrument ID: BNA_M Calibration Date/Time: 05/05/2025 12:18

Lab File ID: BM050096.D Init. Calib. Date(s): 04/28/2025 04/28/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:30 17:04

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.142	1.095		-4.1	
Benzaldehyde	0.961	0.917		-4.6	
Phenol-d6	1.436	1.417		-1.3	
Phenol	1.453	1.425		-1.9	20.0
bis(2-Chloroethyl)ether	1.214	1.144		-5.8	
2-Chlorophenol	1.235	1.197		-3.1	
2-Methylphenol	0.957	0.951		-0.6	
2,2-oxybis(1-Chloropropane)	1.475	1.399		-5.2	
Acetophenone	0.497	0.471		-5.2	
3+4-Methylphenols	1.293	1.307		1.1	
n-Nitroso-di-n-propylamine	0.921	0.922	0.050	0.1	
Nitrobenzene-d5	0.406	0.383		-5.7	
Hexachloroethane	0.533	0.498		-6.6	
Nitrobenzene	0.351	0.331		-5.7	
Isophorone	0.692	0.662		-4.3	
2-Nitrophenol	0.179	0.181		1.1	20.0
2,4-Dimethylphenol	0.297	0.291		-2.0	
bis(2-Chloroethoxy)methane	0.428	0.405		-5.4	
2,4-Dichlorophenol	0.333	0.330		-0.9	20.0
Naphthalene	1.013	0.951		-6.1	
4-Chloroaniline	0.415	0.407		-1.9	
Hexachlorobutadiene	0.258	0.238		-7.8	20.0
Caprolactam	0.097	0.100		3.1	
4-Chloro-3-methylphenol	0.308	0.301		-2.3	20.0
2-Methylnaphthalene	0.679	0.646		-4.9	
Hexachlorocyclopentadiene	0.423	0.376	0.050	-11.1	
2,4,6-Trichlorophenol	0.439	0.433		-1.4	20.0
2-Fluorobiphenyl	1.691	1.567		-7.3	
2,4,5-Trichlorophenol	0.474	0.469		-1.1	
1,1-Biphenyl	1.487	1.376		-7.5	
2-Chloronaphthalene	1.177	1.088		-7.6	
2-Nitroaniline	0.276	0.274		-0.7	
Dimethylphthalate	1.462	1.361		-6.9	
Acenaphthylene	1.857	1.741		-6.2	
2,6-Dinitrotoluene	0.303	0.297		-2.0	
3-Nitroaniline	0.289	0.294		1.7	
Acenaphthene	1.075	0.996		-7.3	20.0
2,4-Dinitrophenol	0.164	0.171	0.050	4.3	
4-Nitrophenol	0.205	0.212	0.050	3.4	



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: SAXT01

Lab Code: CHEM Case No.: Q1938 SAS No.: Q1938 SDG No.: Q1938

Instrument ID: BNA_M Calibration Date/Time: 05/05/2025 12:18

Lab File ID: BM050096.D Init. Calib. Date(s): 04/28/2025 04/28/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:30 17:04

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.788	1.672		-6.5	
2,4-Dinitrotoluene	0.418	0.417		-0.2	
Diethylphthalate	1.377	1.270		-7.8	
4-Chlorophenyl-phenylether	0.804	0.753		-6.3	
Fluorene	1.463	1.372		-6.2	
4-Nitroaniline	0.279	0.293		5.0	
4,6-Dinitro-2-methylphenol	0.125	0.125		0.0	
n-Nitrosodiphenylamine	0.614	0.580		-5.5	20.0
2,4,6-Tribromophenol	0.296	0.291		-1.7	
4-Bromophenyl-phenylether	0.242	0.226		-6.6	
Hexachlorobenzene	0.279	0.261		-6.5	
Atrazine	0.222	0.214		-3.6	
Pentachlorophenol	0.157	0.152		-3.2	20.0
Phenanthrene	1.128	1.050		-6.9	
Anthracene	1.142	1.073		-6.0	
Carbazole	0.991	0.945		-4.6	
Di-n-butylphthalate	1.180	1.105		-6.4	
Fluoranthene	1.324	1.269		-4.2	20.0
Pyrene	1.404	1.384		-1.4	
Terphenyl-d14	1.352	1.328		-1.8	
Butylbenzylphthalate	0.526	0.514		-2.3	
3,3-Dichlorobenzidine	0.527	0.514		-2.5	
Benzo (a) anthracene	1.377	1.294		-6.0	
Chrysene	1.275	1.185		-7.1	
Bis(2-ethylhexyl)phthalate	0.786	0.721		-8.3	
Di-n-octyl phthalate	1.296	1.204		-7.1	20.0
Benzo (b) fluoranthene	1.301	1.186		-8.8	
Benzo (k) fluoranthene	1.316	1.187		-9.8	
Benzo (a) pyrene	1.218	1.140		-6.4	20.0
Indeno (1,2,3-cd) pyrene	1.490	1.405		-5.7	
Dibenzo (a,h) anthracene	1.215	1.150		-5.3	
Benzo (g,h,i) perylene	1.163	1.099		-5.5	
1,2,4,5-Tetrachlorobenzene	0.692	0.652		-5.8	
1,4-Dioxane	0.490	0.440		-10.2	20.0
2,3,4,6-Tetrachlorophenol	0.410	0.399		-2.7	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050525\
 Data File : BM050096.D
 Acq On : 05 May 2025 12:18
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC040

Quant Time: May 05 13:18:36 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.745	152	253723	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	967980	20.000	ng	-0.02
39) Acenaphthene-d10	14.398	164	663376	20.000	ng	-0.01
64) Phenanthrene-d10	17.145	188	1334825	20.000	ng	-0.01
76) Chrysene-d12	21.386	240	1249729	20.000	ng	-0.01
86) Perylene-d12	24.380	264	1253431	20.000	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1110988	76.675	ng	-0.02
7) Phenol-d6	6.934	99	1437961	78.959	ng	-0.02
23) Nitrobenzene-d5	8.910	82	1482829	75.486	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	772621	78.767	ng	-0.01
45) 2-Fluorobiphenyl	13.016	172	4158957	74.166	ng	-0.02
79) Terphenyl-d14	19.774	244	6640114	78.622	ng	0.00

Target Compounds					Qvalue
2) 1,4-Dioxane	3.234	88	223507	35.976	ng 98
3) Pyridine	3.640	79	613802	38.453	ng 98
4) n-Nitrosodimethylamine	3.546	42	233972	37.372	ng 99
6) Aniline	7.075	93	898043	39.051	ng 99
8) 2-Chlorophenol	7.316	128	607512	38.778	ng 98
9) Benzaldehyde	6.892	77	465479	38.194	ng 98
10) Phenol	6.963	94	723253	39.230	ng 98
11) bis(2-Chloroethyl)ether	7.169	93	580714	37.722	ng 100
12) 1,3-Dichlorobenzene	7.634	146	712514	37.650	ng 99
13) 1,4-Dichlorobenzene	7.781	146	717230	37.725	ng 99
14) 1,2-Dichlorobenzene	8.098	146	691814	37.671	ng 100
15) Benzyl Alcohol	7.992	79	516687	40.911	ng 96
16) 2,2'-oxybis(1-Chloropr...	8.269	45	709989	37.940	ng 99
17) 2-Methylphenol	8.210	107	482551	39.731	ng 99
18) Hexachloroethane	8.822	117	252677	37.387	ng 99
19) n-Nitroso-di-n-propyla...	8.557	70	467999	40.068	ng 100
20) 3+4-Methylphenols	8.539	107	663013	40.424	ng 99
22) Acetophenone	8.569	105	910945	37.853	ng # 99
24) Nitrobenzene	8.951	77	640531	37.711	ng 99
25) Isophorone	9.475	82	1281550	38.272	ng 99
26) 2-Nitrophenol	9.657	139	350488	40.391	ng 99
27) 2,4-Dimethylphenol	9.733	122	564199	39.207	ng 99
28) bis(2-Chloroethoxy)met...	9.951	93	784616	37.911	ng 99
29) 2,4-Dichlorophenol	10.210	162	639475	39.667	ng 98
30) 1,2,4-Trichlorobenzene	10.404	180	735664	37.455	ng 100
31) Naphthalene	10.592	128	1841162	37.558	ng 100
32) Benzoic acid	9.904	122	382848	41.598	ng 95
33) 4-Chloroaniline	10.710	127	788885	39.262	ng 99
34) Hexachlorobutadiene	10.874	225	460750	36.955	ng 99
35) Caprolactam	11.504	113	193827	41.235	ng 98
36) 4-Chloro-3-methylphenol	11.857	107	583518	39.178	ng 99
37) 2-Methylnaphthalene	12.210	142	1250848	38.059	ng 99
38) 1-Methylnaphthalene	12.427	142	1314594	37.796	ng 98
40) 1,2,4,5-Tetrachloroben...	12.580	216	864920	37.664	ng 100
41) Hexachlorocyclopentadiene	12.557	237	498851	35.546	ng 99
43) 2,4,6-Trichlorophenol	12.833	196	573909	39.402	ng 99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050525\
 Data File : BM050096.D
 Acq On : 05 May 2025 12:18
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 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC040

Quant Time: May 05 13:18:36 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration

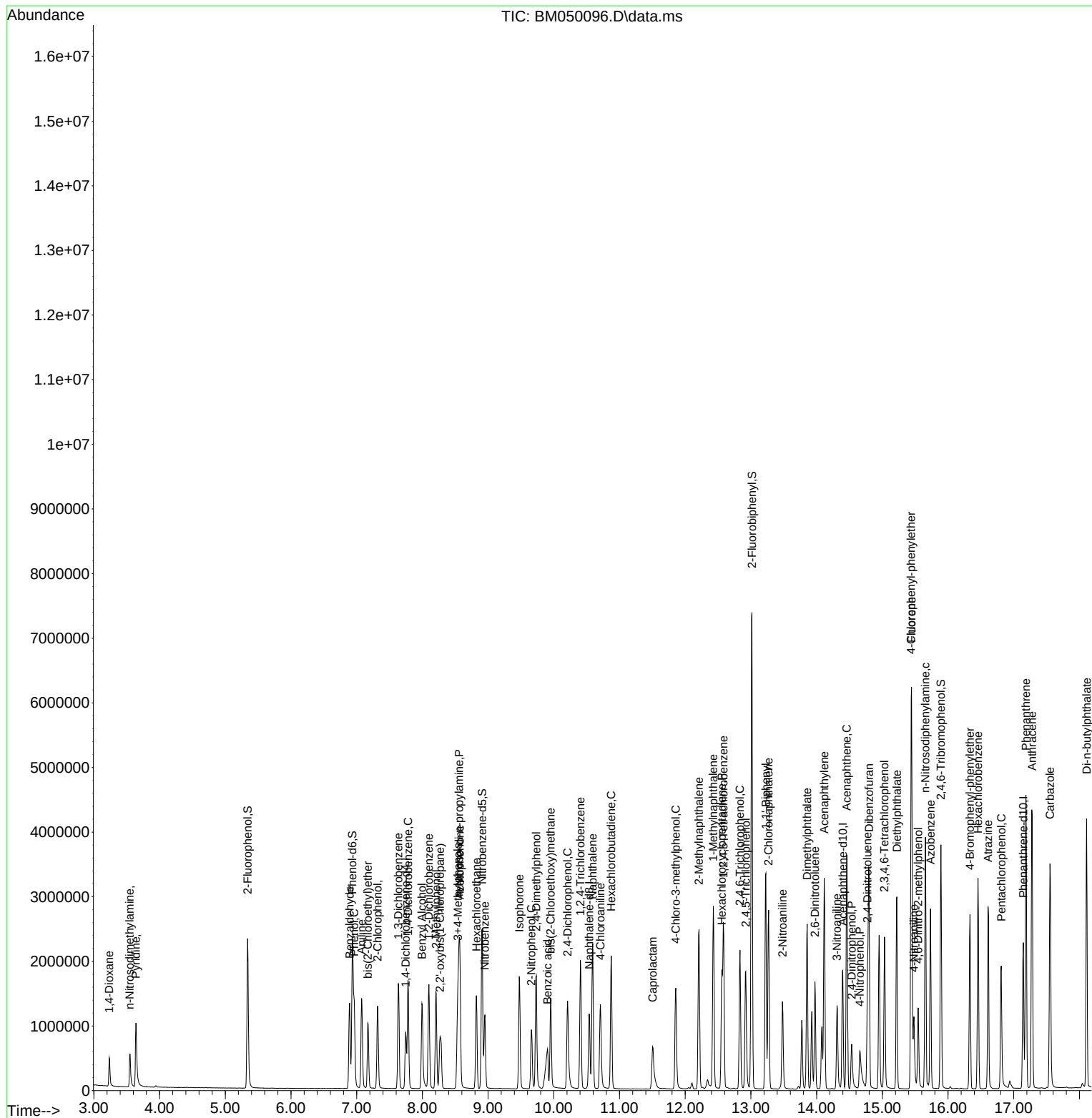
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.921	196	621796	39.588	ng	99
46) 1,1'-Biphenyl	13.227	154	1825108	37.011	ng	99
47) 2-Chloronaphthalene	13.268	162	1443971	36.973	ng	100
48) 2-Nitroaniline	13.480	65	363286	39.633	ng	99
49) Acenaphthylene	14.115	152	2310020	37.514	ng	100
50) Dimethylphthalate	13.857	163	1805057	37.233	ng	100
51) 2,6-Dinitrotoluene	13.974	165	393554	39.208	ng	99
52) Acenaphthene	14.457	154	1322056	37.091	ng	100
53) 3-Nitroaniline	14.310	138	390100	40.707	ng	100
54) 2,4-Dinitrophenol	14.533	184	227150	38.565	ng	98
55) Dibenzofuran	14.798	168	2218445	37.408	ng	99
56) 4-Nitrophenol	14.657	139	280919	38.524	ng	100
57) 2,4-Dinitrotoluene	14.774	165	553885	39.934	ng	98
58) Fluorene	15.445	166	1820845	37.511	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.033	232	530016	38.984	ng	98
60) Diethylphthalate	15.221	149	1685311	36.893	ng	99
61) 4-Chlorophenyl-phenyle...	15.439	204	999499	37.488	ng	99
62) 4-Nitroaniline	15.480	138	388801	42.051	ng	99
63) Azobenzene	15.733	77	1421023	37.117	ng	97
65) 4,6-Dinitro-2-methylph...	15.545	198	333899	39.962	ng	99
66) n-Nitrosodiphenylamine	15.657	169	1548448	37.777	ng	98
67) 4-Bromophenyl-phenylether	16.333	248	603599	37.394	ng	97
68) Hexachlorobenzene	16.456	284	697206	37.471	ng	97
69) Atrazine	16.609	200	571836	38.676	ng	99
70) Pentachlorophenol	16.809	266	406540	38.816	ng	99
71) Phenanthrene	17.186	178	2802096	37.219	ng	100
72) Anthracene	17.280	178	2864342	37.595	ng	100
73) Carbazole	17.551	167	2522772	38.159	ng	99
74) Di-n-butylphthalate	18.109	149	2948729	37.453	ng	99
75) Fluoranthene	19.209	202	3388771	38.339	ng	99
77) Benzidine	19.392	184	1768881	39.848	ng	99
78) Pyrene	19.568	202	3459686	39.422	ng	100
80) Butylbenzylphthalate	20.468	149	1284636	39.083	ng	99
81) Benzo(a)anthracene	21.374	228	3234550	37.585	ng	100
82) 3,3'-Dichlorobenzidine	21.291	252	1283648	38.964	ng	100
83) Chrysene	21.433	228	2962136	37.189	ng	100
84) Bis(2-ethylhexyl)phtha...	21.286	149	1801797	36.699	ng	99
85) Di-n-octyl phthalate	22.409	149	3010178	37.178	ng	99
87) Indeno(1,2,3-cd)pyrene	27.773	276	3521793	37.708	ng	99
88) Benzo(b)fluoranthene	23.438	252	2973664	36.480	ng	100
89) Benzo(k)fluoranthene	23.497	252	2976318	36.097	ng	100
90) Benzo(a)pyrene	24.244	252	2858100	37.436	ng	100
91) Dibenzo(a,h)anthracene	27.815	278	2883384	37.873	ng	99
92) Benzo(g,h,i)perylene	28.826	276	2755094	37.799	ng	99

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

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 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC040

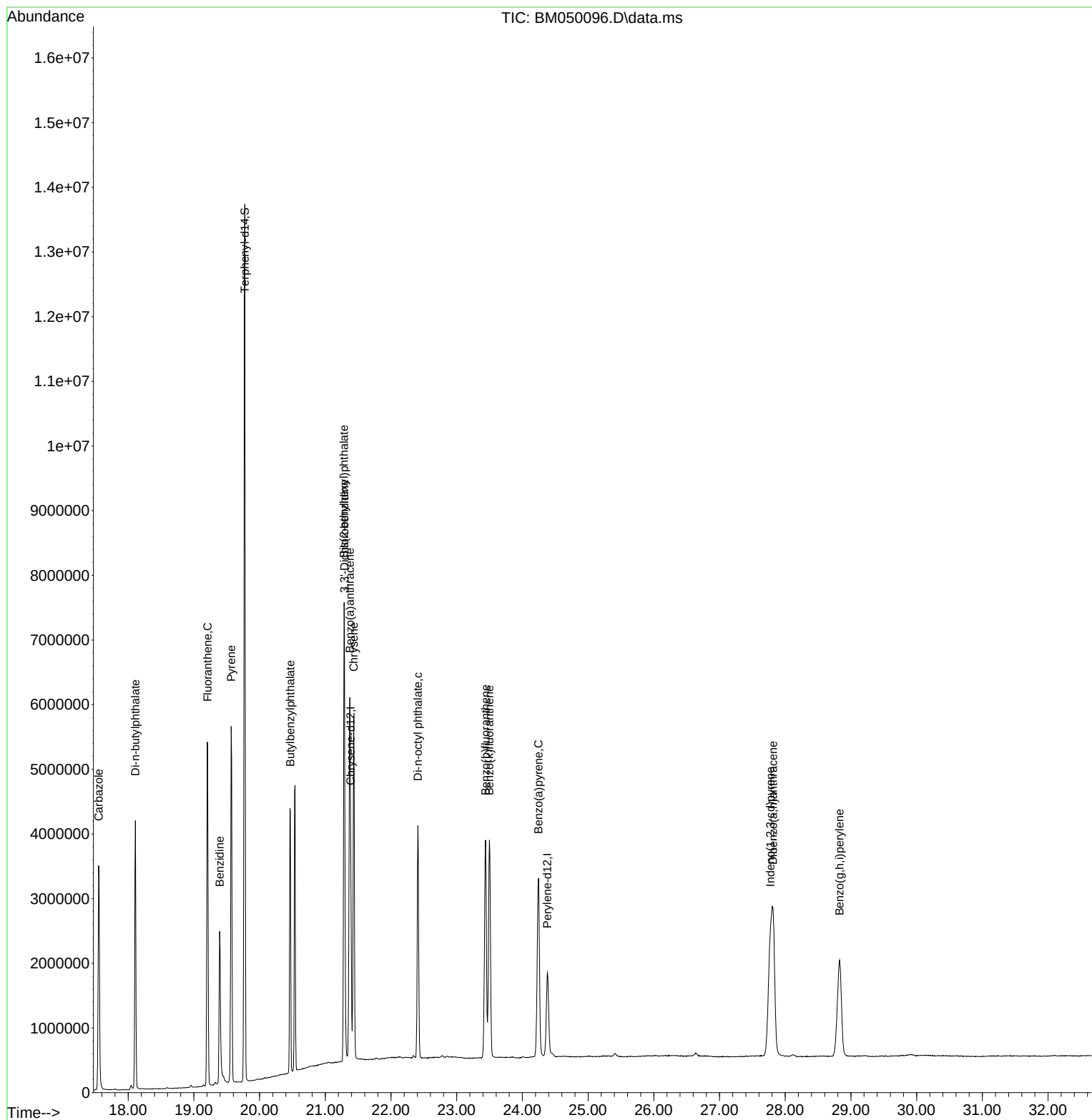
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 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
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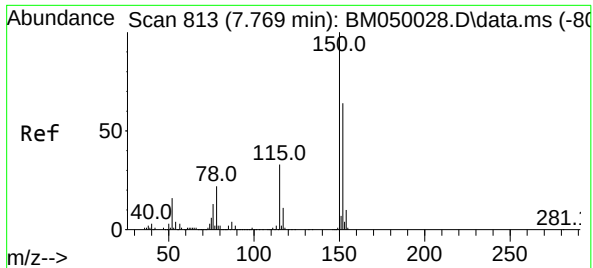


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Data File : BM050096.D
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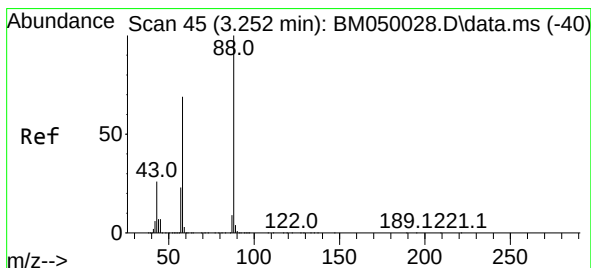
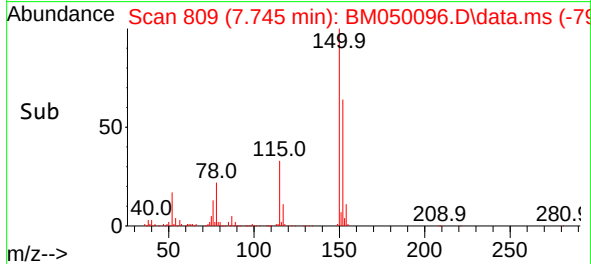
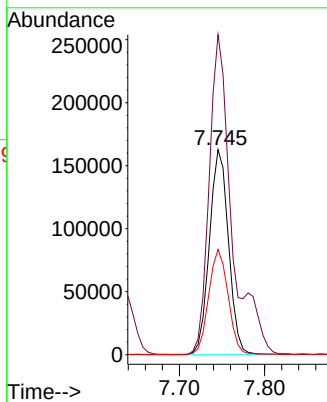
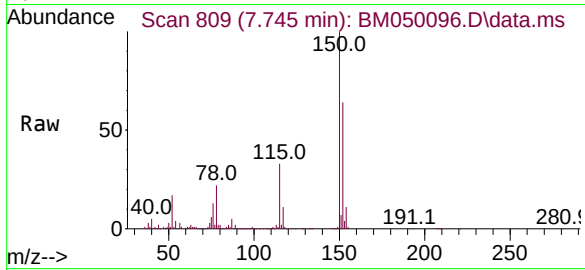




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.745 min Scan# 80
Delta R.T. -0.024 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

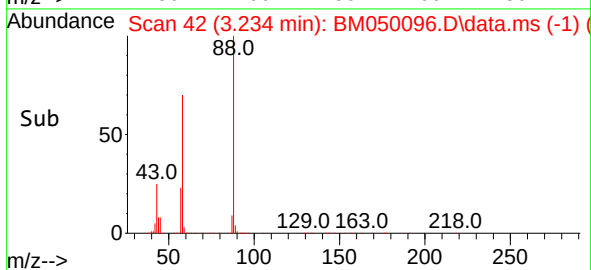
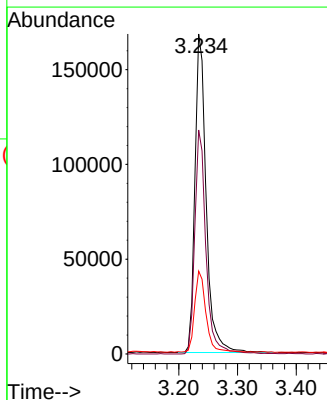
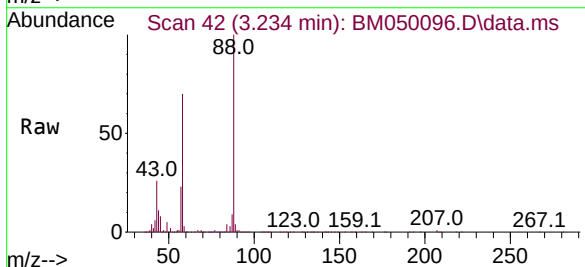
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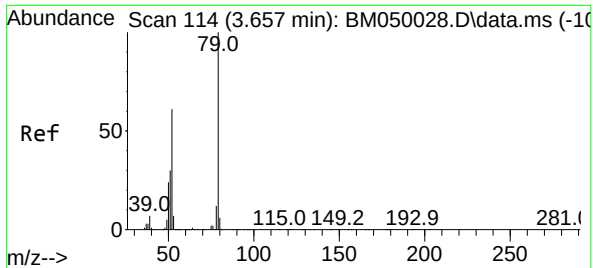
Tgt Ion:152 Resp: 253723
Ion Ratio Lower Upper
152 100
150 156.2 124.1 186.1
115 51.4 41.2 61.8



#2
1,4-Dioxane
Concen: 35.976 ng
RT: 3.234 min Scan# 42
Delta R.T. -0.018 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

Tgt Ion: 88 Resp: 223507
Ion Ratio Lower Upper
88 100
58 70.2 55.1 82.7
43 25.4 20.9 31.3

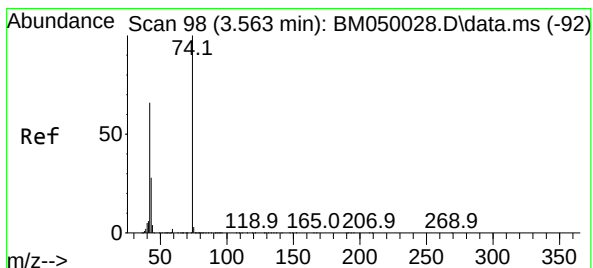
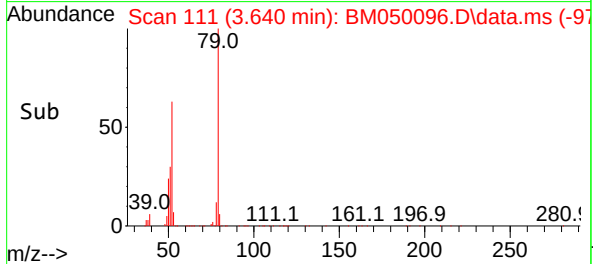
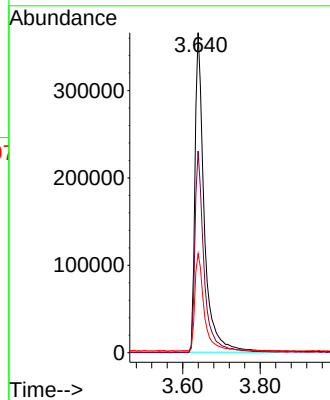
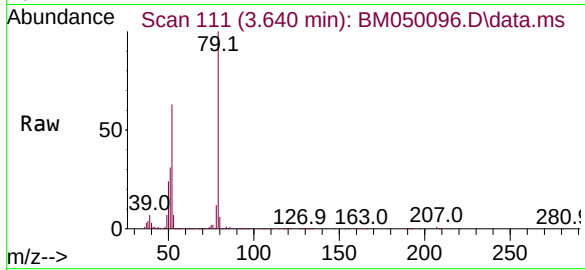




#3
Pyridine
Concen: 38.453 ng
RT: 3.640 min Scan# 114
Delta R.T. -0.018 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

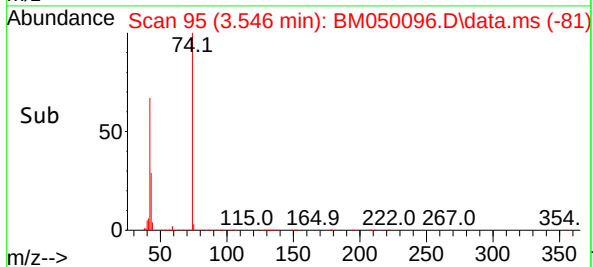
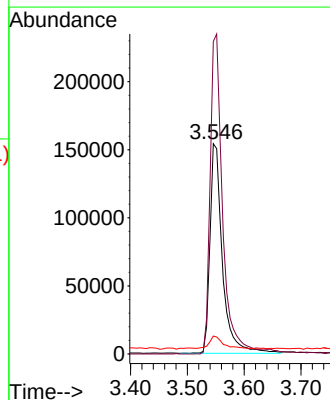
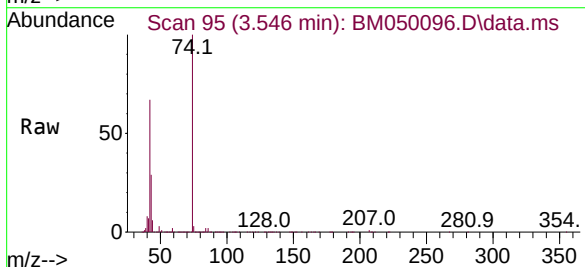
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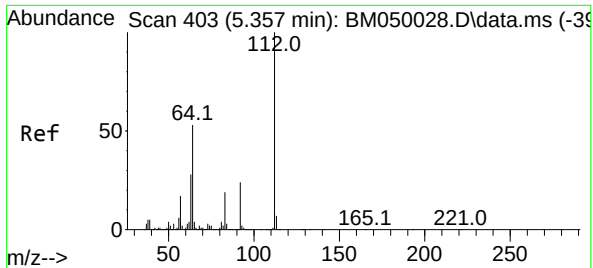
Tgt Ion: 79 Resp: 613802
Ion Ratio Lower Upper
79 100
52 63.0 48.6 72.8
51 30.9 24.6 37.0



#4
n-Nitrosodimethylamine
Concen: 37.372 ng
RT: 3.546 min Scan# 95
Delta R.T. -0.018 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

Tgt Ion: 42 Resp: 233972
Ion Ratio Lower Upper
42 100
74 148.6 120.2 180.2
44 8.5 6.2 9.2

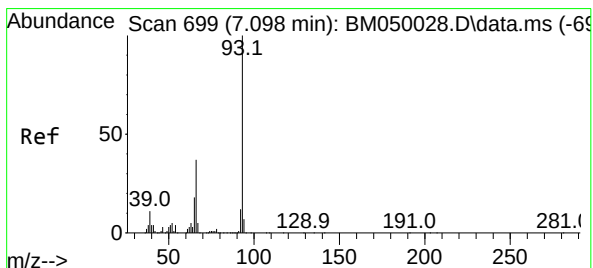
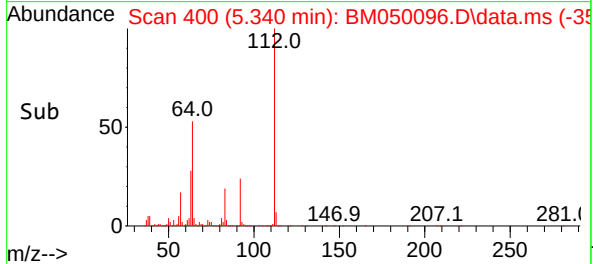
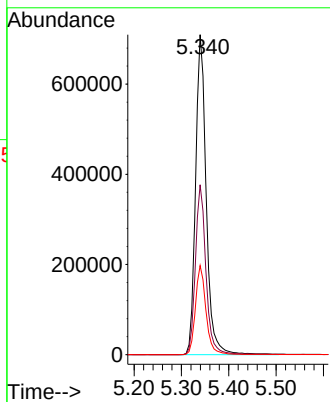
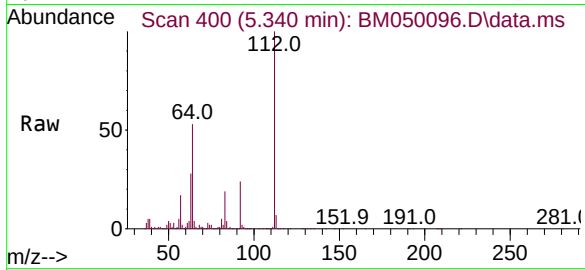




#5
2-Fluorophenol
Concen: 76.675 ng
RT: 5.340 min Scan# 403
Delta R.T. -0.018 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

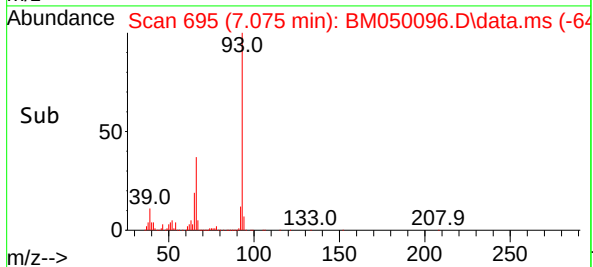
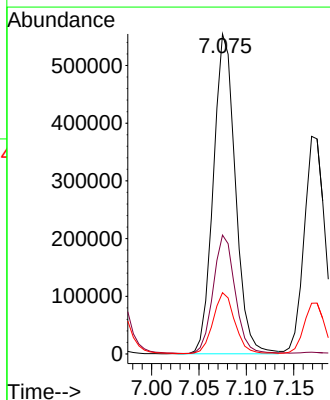
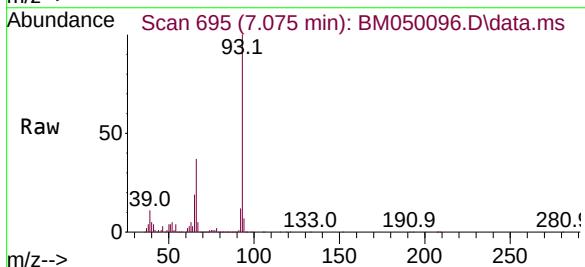
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BNA_M
ClientSampleId :
SSTDCCC040

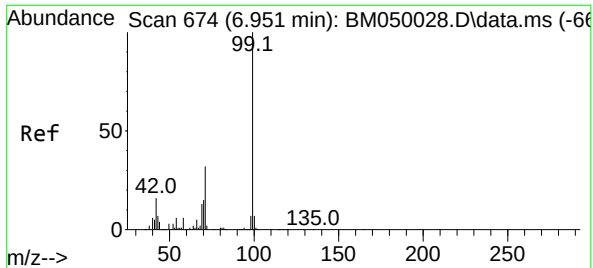
Tgt Ion:112 Resp: 1110988
Ion Ratio Lower Upper
112 100
64 53.1 42.6 64.0
63 27.9 22.2 33.4



#6
Aniline
Concen: 39.051 ng
RT: 7.075 min Scan# 695
Delta R.T. -0.024 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

Tgt Ion: 93 Resp: 898043
Ion Ratio Lower Upper
93 100
66 37.2 29.9 44.9
65 19.1 14.5 21.7

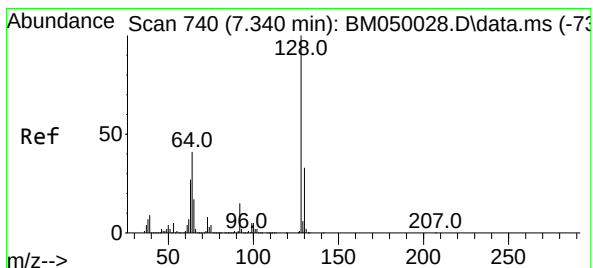
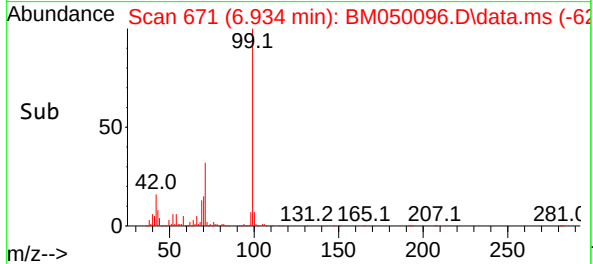
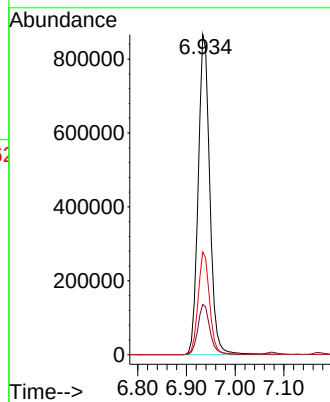
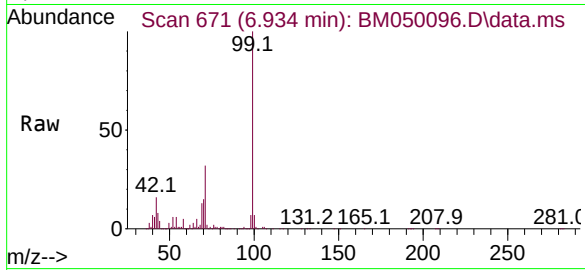




#7
Phenol-d6
Concen: 78.959 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

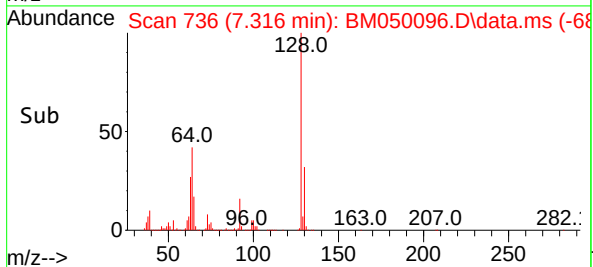
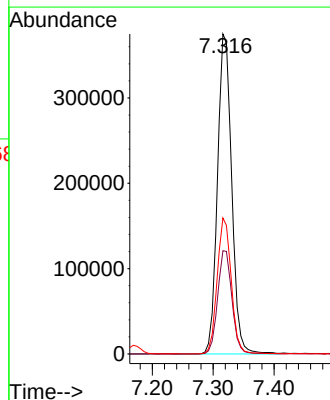
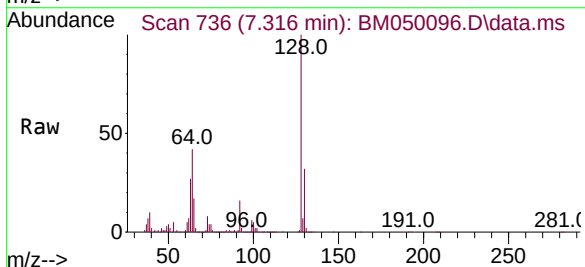
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

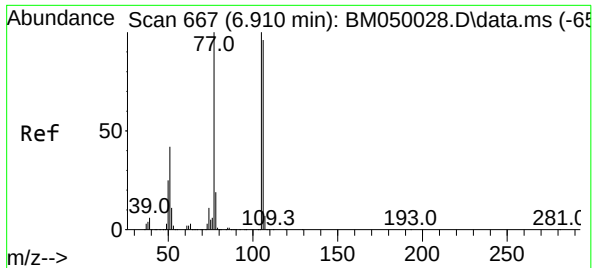
Tgt Ion: 99 Resp: 1437961
Ion Ratio Lower Upper
99 100
42 15.7 13.0 19.4
71 32.1 25.6 38.4



#8
2-Chlorophenol
Concen: 38.778 ng
RT: 7.316 min Scan# 736
Delta R.T. -0.024 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

Tgt Ion: 128 Resp: 607512
Ion Ratio Lower Upper
128 100
130 32.3 12.8 52.8
64 42.5 21.2 61.2

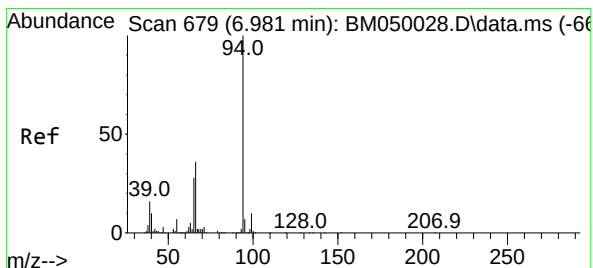
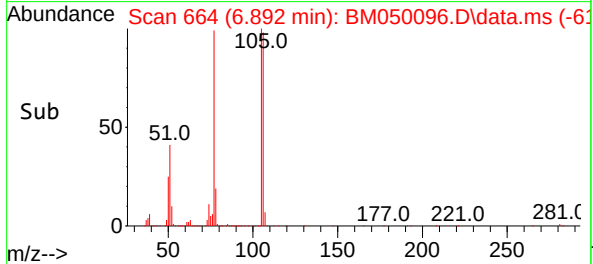
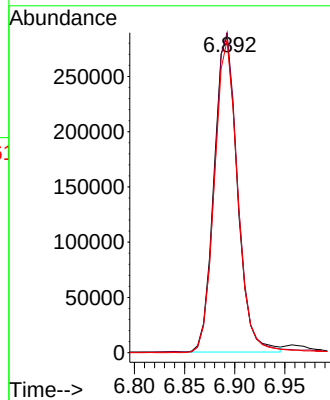
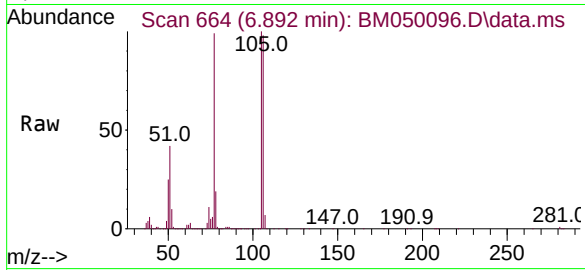




#9
Benzaldehyde
Concen: 38.194 ng
RT: 6.892 min Scan# 664
Delta R.T. -0.018 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

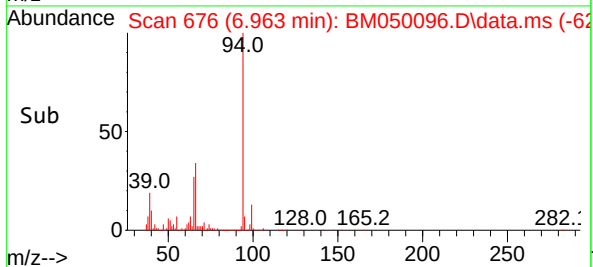
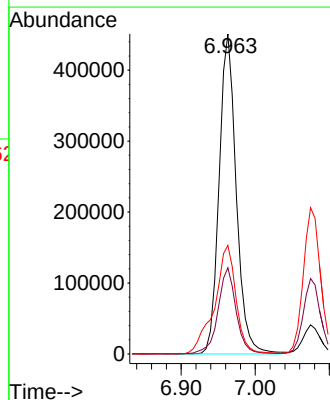
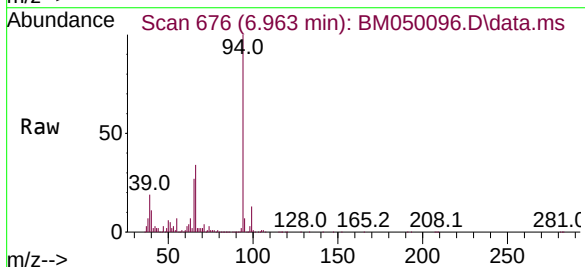
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

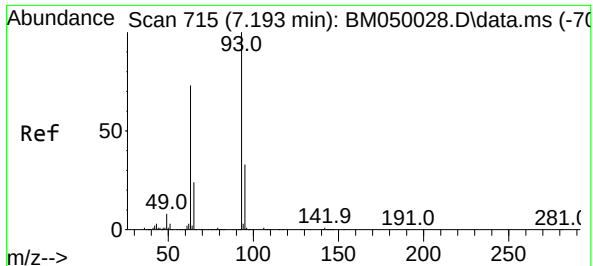
Tgt Ion: 77 Resp: 465479
Ion Ratio Lower Upper
77 100
105 101.0 80.5 120.5
106 98.6 76.1 116.1



#10
Phenol
Concen: 39.230 ng
RT: 6.963 min Scan# 676
Delta R.T. -0.018 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

Tgt Ion: 94 Resp: 723253
Ion Ratio Lower Upper
94 100
65 27.0 7.6 47.6
66 33.9 15.8 55.8

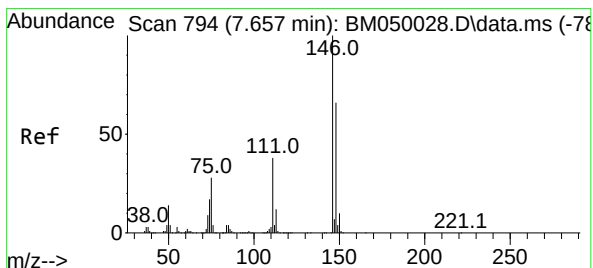
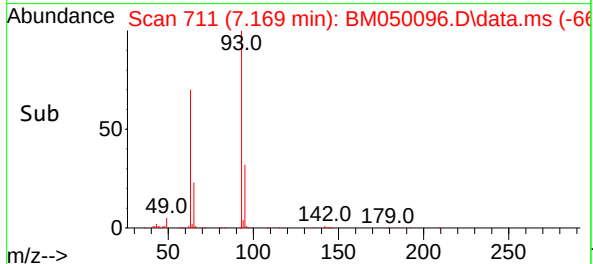
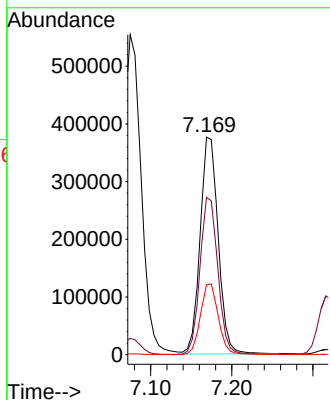
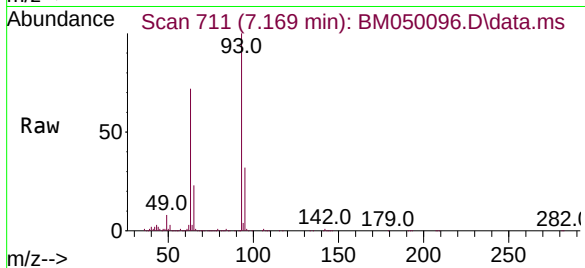




#11
bis(2-Chloroethyl)ether
Concen: 37.722 ng
RT: 7.169 min Scan# 715
Delta R.T. -0.024 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

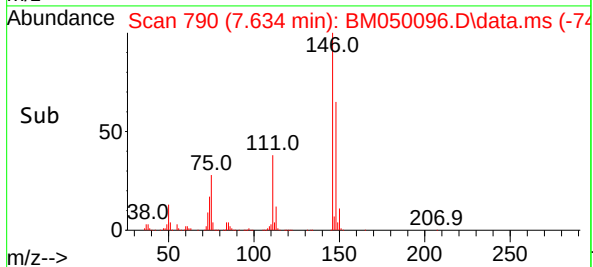
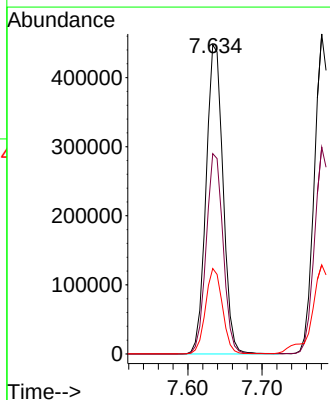
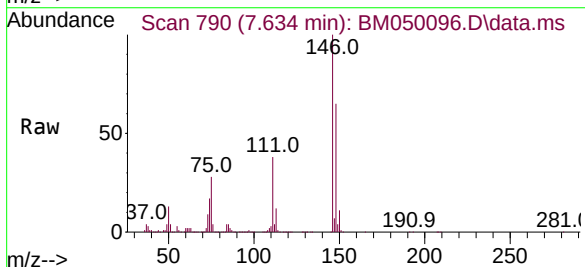
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

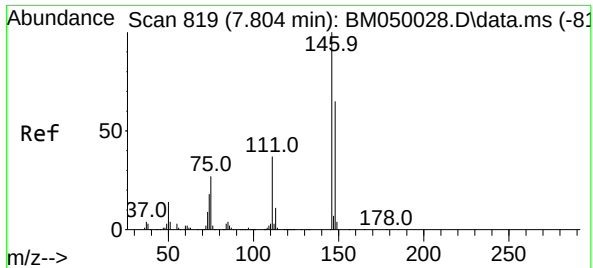
Tgt Ion: 93 Resp: 580714
Ion Ratio Lower Upper
93 100
63 72.3 52.3 92.3
95 32.1 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 37.650 ng
RT: 7.634 min Scan# 790
Delta R.T. -0.024 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

Tgt Ion: 146 Resp: 712514
Ion Ratio Lower Upper
146 100
148 64.8 52.5 78.7
75 27.7 22.6 34.0

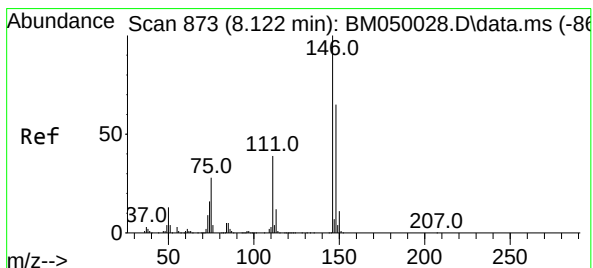
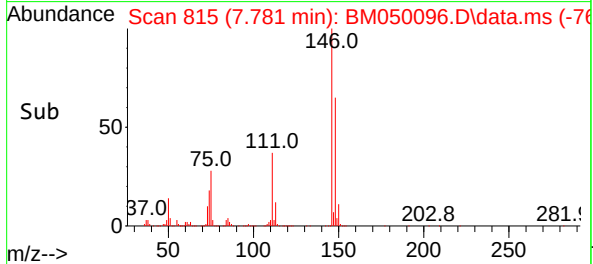
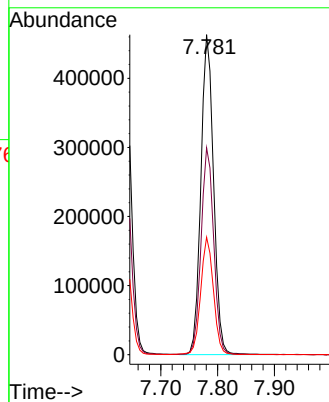
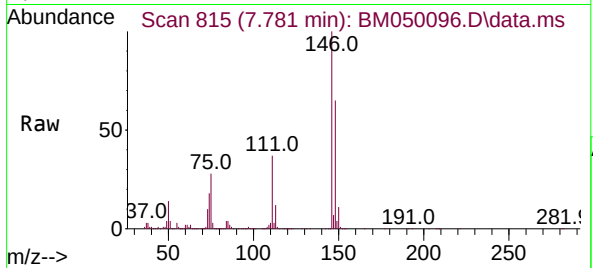




#13
1,4-Dichlorobenzene
Concen: 37.725 ng
RT: 7.781 min Scan# 819
Delta R.T. -0.024 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

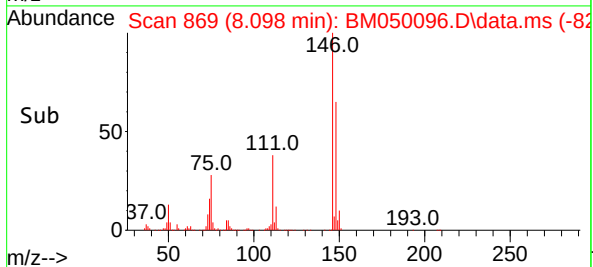
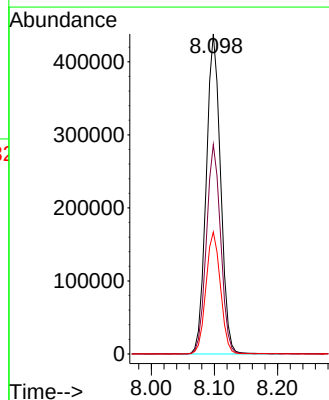
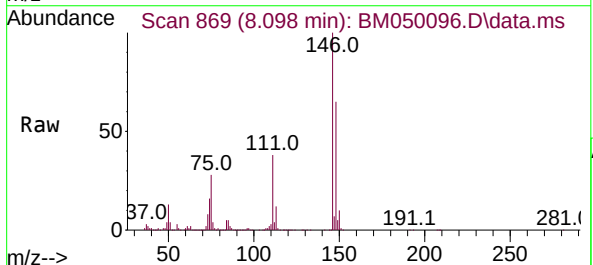
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

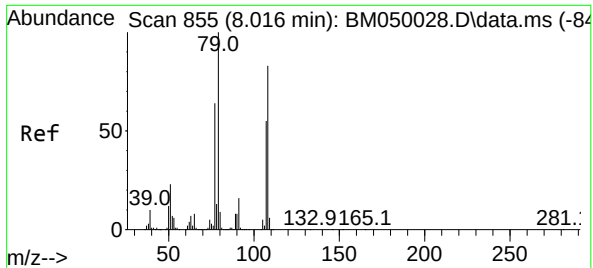
Tgt Ion:146 Resp: 717230
Ion Ratio Lower Upper
146 100
148 64.7 52.2 78.2
111 36.7 29.3 43.9



#14
1,2-Dichlorobenzene
Concen: 37.671 ng
RT: 8.098 min Scan# 869
Delta R.T. -0.024 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

Tgt Ion:146 Resp: 691814
Ion Ratio Lower Upper
146 100
148 65.5 52.4 78.6
111 38.1 31.0 46.6

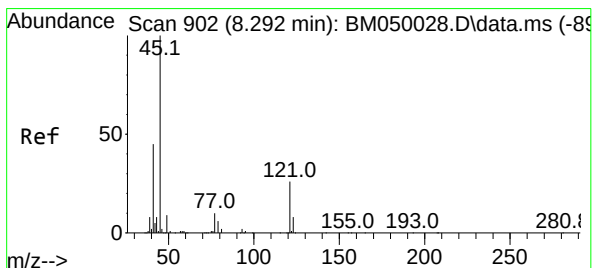
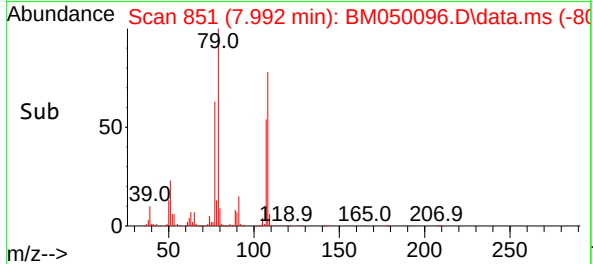
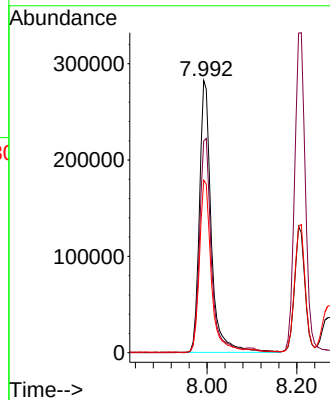
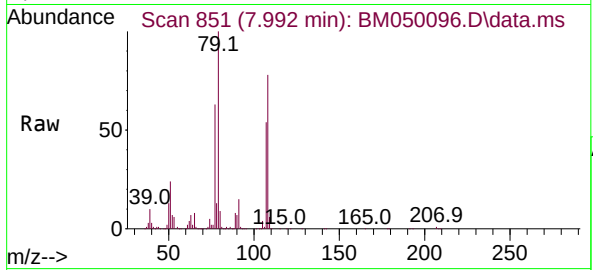




#15
Benzyl Alcohol
Concen: 40.911 ng
RT: 7.992 min Scan# 81
Delta R.T. -0.024 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

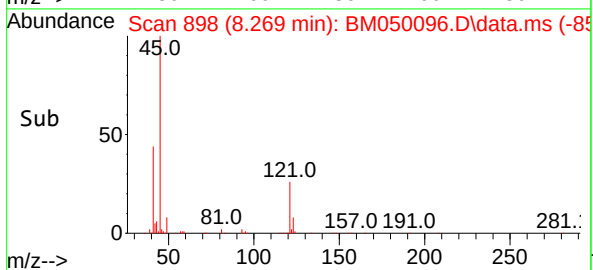
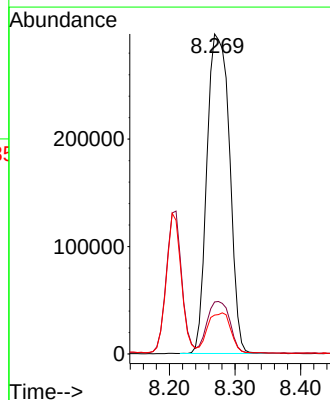
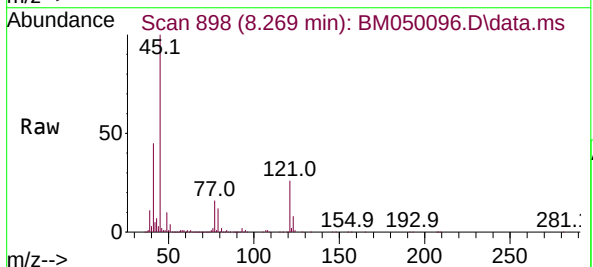
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

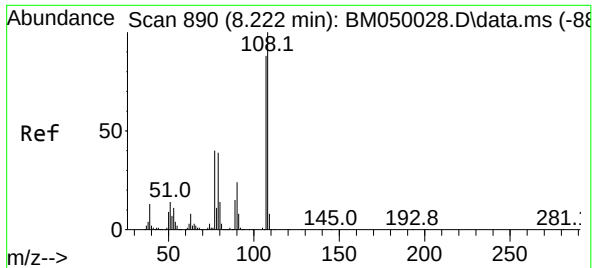
Tgt Ion: 79 Resp: 516687
Ion Ratio Lower Upper
79 100
108 77.7 66.0 99.0
77 63.3 51.6 77.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.940 ng
RT: 8.269 min Scan# 898
Delta R.T. -0.024 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

Tgt Ion: 45 Resp: 709989
Ion Ratio Lower Upper
45 100
77 16.2 0.0 36.4
79 12.1 0.0 32.7





#17

2-Methylphenol

Concen: 39.731 ng

RT: 8.210 min Scan# 81

Delta R.T. -0.012 min

Lab File: BM050096.D

Acq: 05 May 2025 12:18

Instrument :

BNA_M

ClientSampleId :

SSTDCCC040

Tgt Ion:107 Resp: 482551

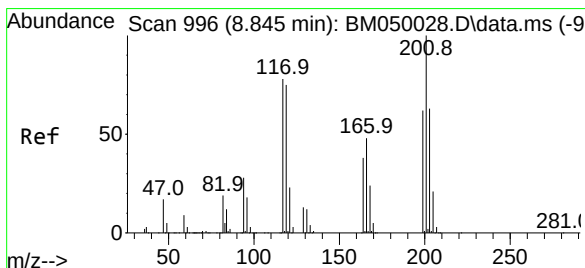
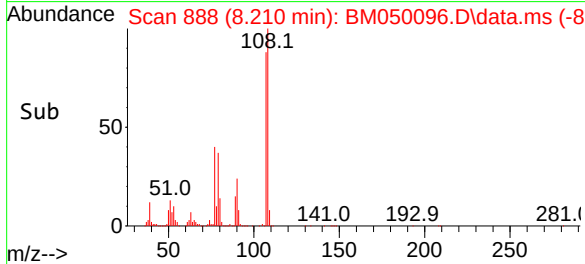
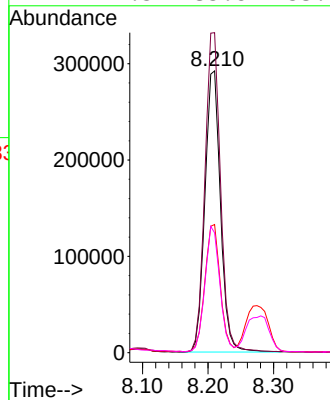
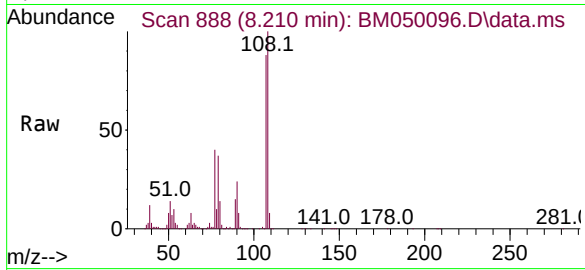
Ion	Ratio	Lower	Upper

107	100		

108	113.5	91.1	136.7

77	45.5	36.2	54.4

79	42.5	35.8	53.8



#18

Hexachloroethane

Concen: 37.387 ng

RT: 8.822 min Scan# 992

Delta R.T. -0.024 min

Lab File: BM050096.D

Acq: 05 May 2025 12:18

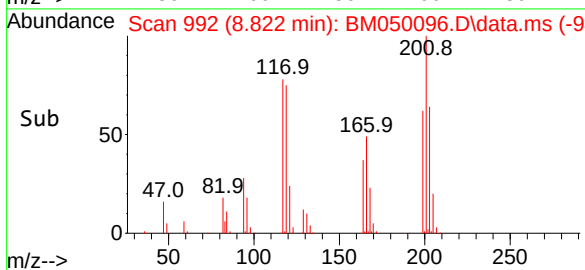
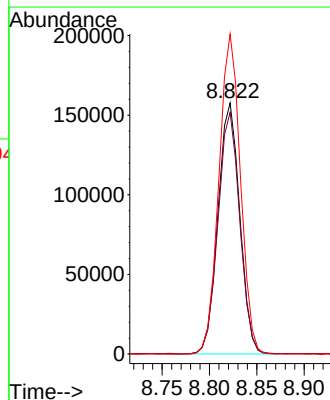
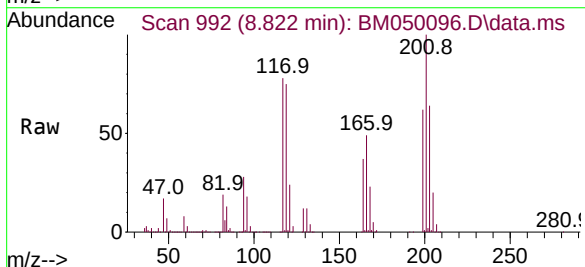
Tgt Ion:117 Resp: 252677

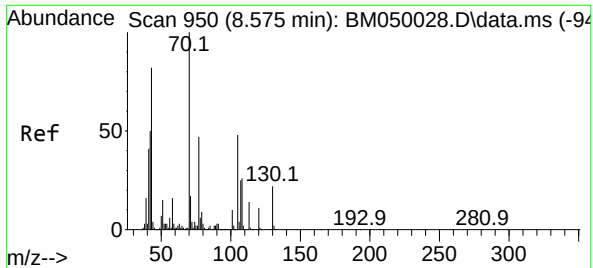
Ion	Ratio	Lower	Upper

117	100		

119	96.2	77.3	115.9

201	127.5	102.8	154.2

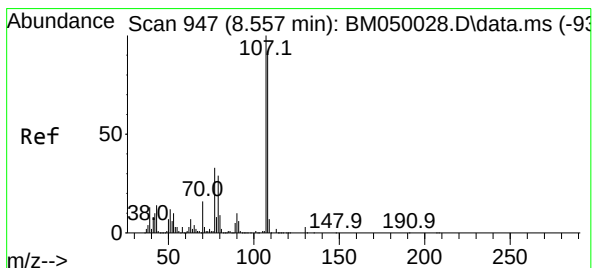
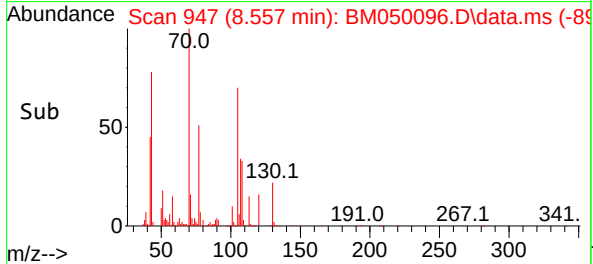
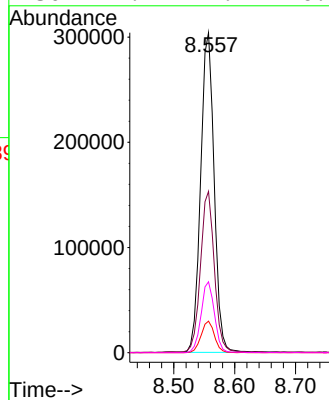
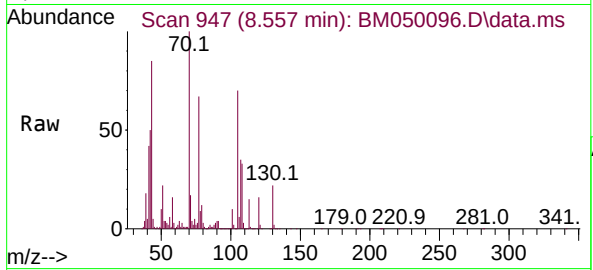




#19
n-Nitroso-di-n-propylamine
Concen: 40.068 ng
RT: 8.557 min Scan# 941
Delta R.T. -0.018 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

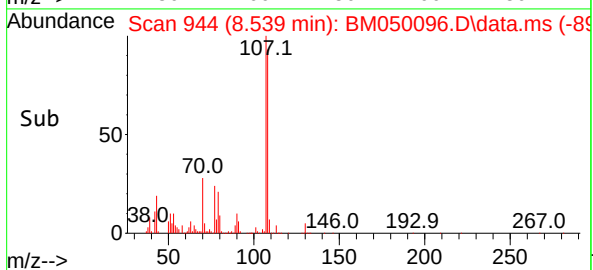
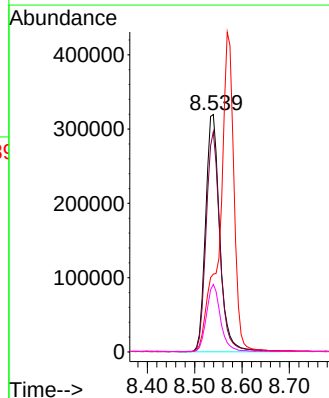
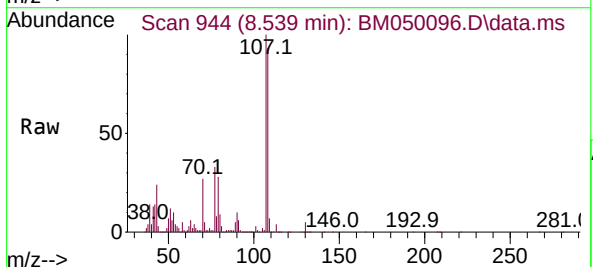
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

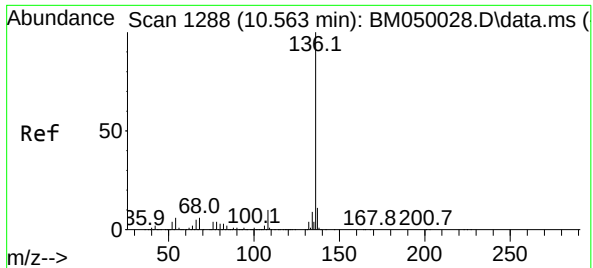
Tgt Ion: 70 Resp: 467999
Ion Ratio Lower Upper
70 100
42 50.4 40.5 60.7
101 9.8 7.8 11.6
130 22.2 17.4 26.2



#20
3+4-Methylphenols
Concen: 40.424 ng
RT: 8.539 min Scan# 944
Delta R.T. -0.018 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

Tgt Ion: 107 Resp: 663013
Ion Ratio Lower Upper
107 100
108 92.8 72.4 112.4
77 32.8 13.6 53.6
79 28.4 9.2 49.2





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.539 min Scan# 11

Delta R.T. -0.024 min

Lab File: BM050096.D

Acq: 05 May 2025 12:18

Instrument :

BNA_M

ClientSampleId :

SSTDCCC040

Tgt Ion:136 Resp: 967980

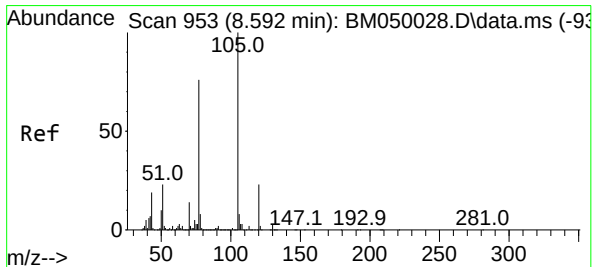
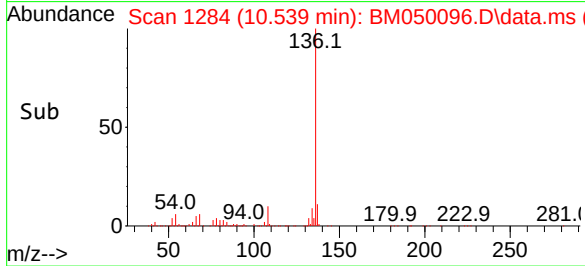
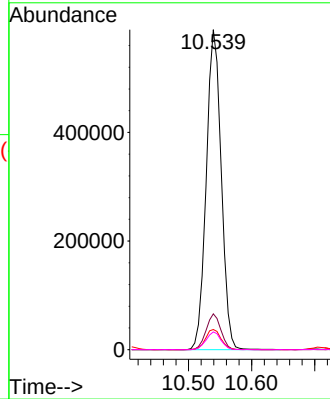
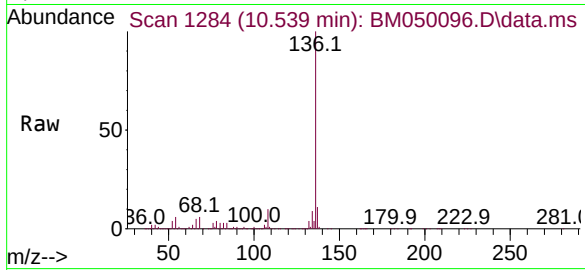
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 6.3 5.1 7.7

68 5.6 4.4 6.6



#22

Acetophenone

Concen: 37.853 ng

RT: 8.569 min Scan# 949

Delta R.T. -0.024 min

Lab File: BM050096.D

Acq: 05 May 2025 12:18

Tgt Ion:105 Resp: 910945

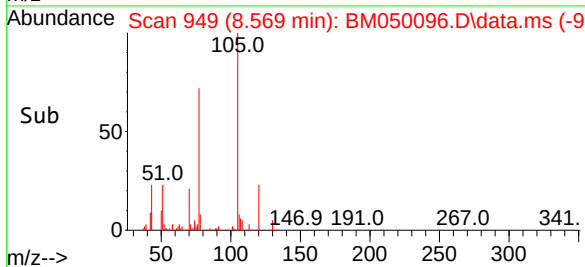
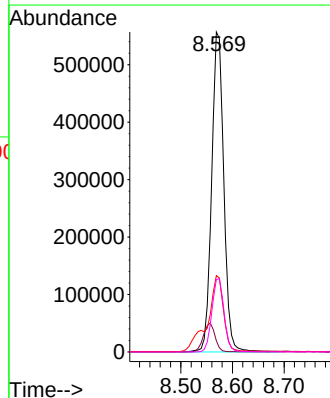
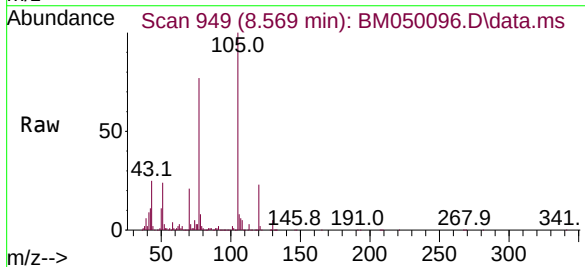
Ion Ratio Lower Upper

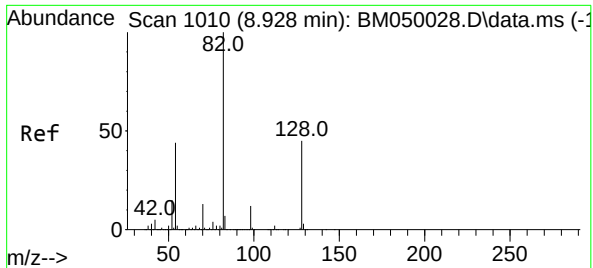
105 100

71 3.5 1.7 2.5#

51 23.8 18.6 27.8

120 22.7 18.3 27.5

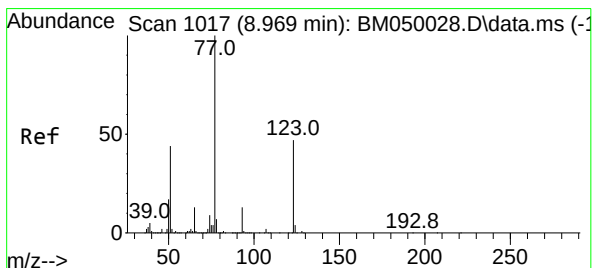
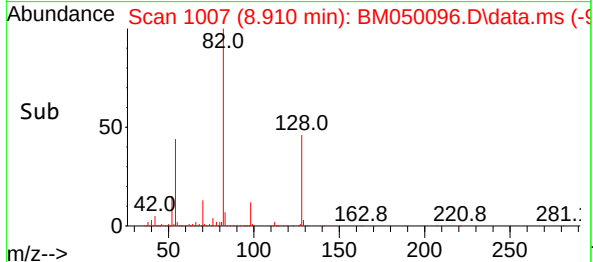
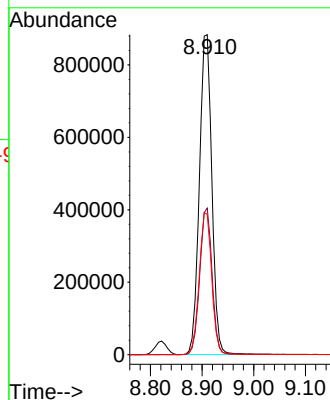
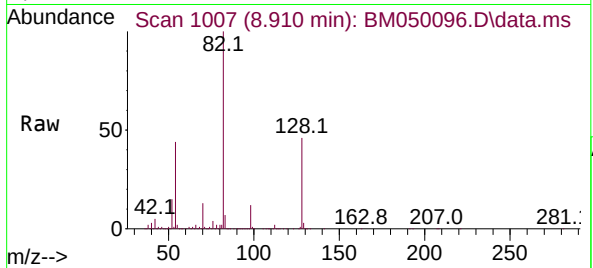




#23
Nitrobenzene-d5
Concen: 75.486 ng
RT: 8.910 min Scan# 1010
Delta R.T. -0.018 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

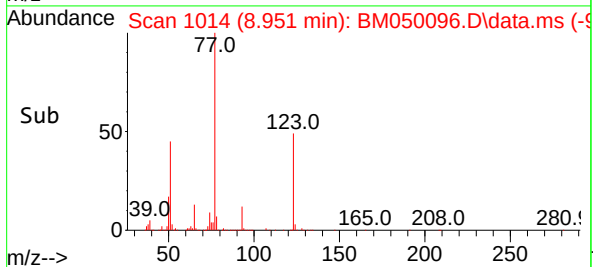
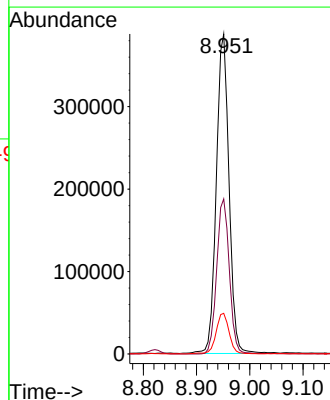
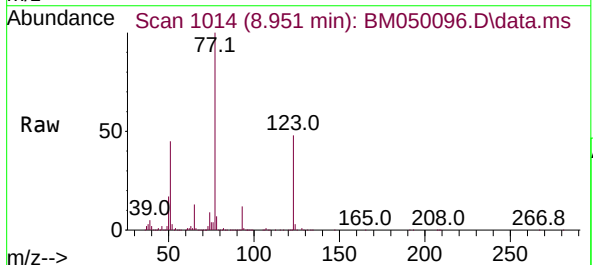
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

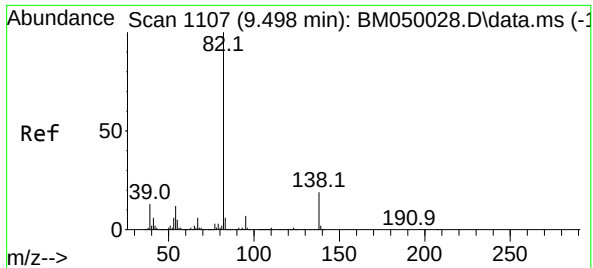
Tgt Ion: 82 Resp: 1482829
Ion Ratio Lower Upper
82 100
128 45.8 35.7 53.5
54 43.8 35.4 53.2



#24
Nitrobenzene
Concen: 37.711 ng
RT: 8.951 min Scan# 1014
Delta R.T. -0.018 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

Tgt Ion: 77 Resp: 640531
Ion Ratio Lower Upper
77 100
123 48.5 37.9 56.9
65 12.7 10.1 15.1

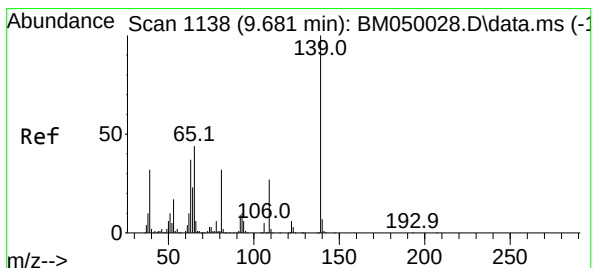
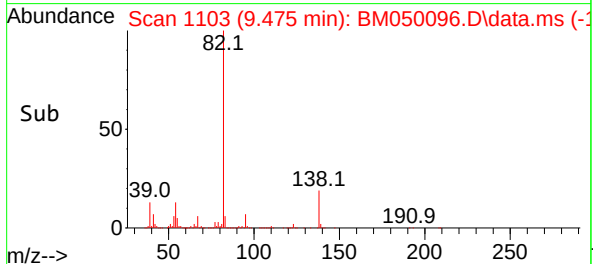
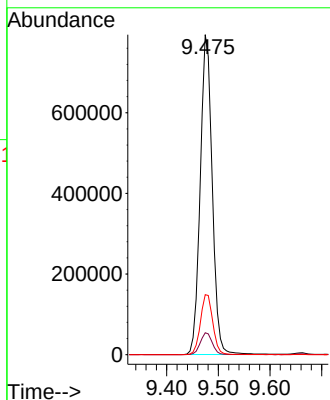
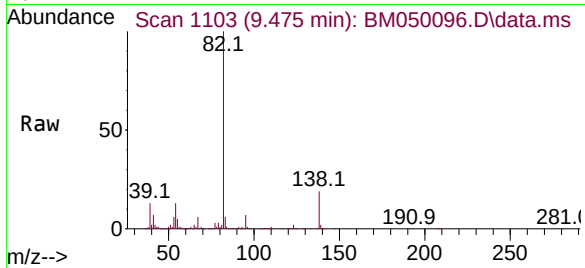




#25
Isophorone
Concen: 38.272 ng
RT: 9.475 min Scan# 1103
Delta R.T. -0.024 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

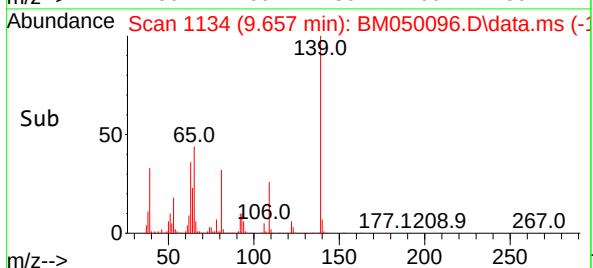
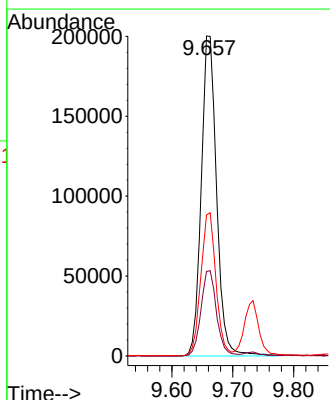
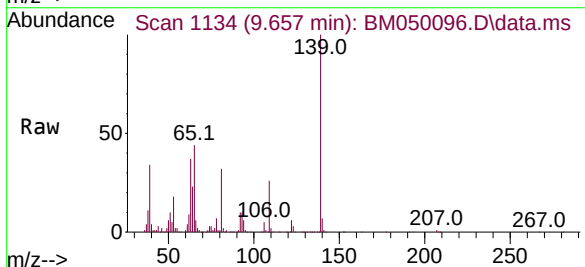
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

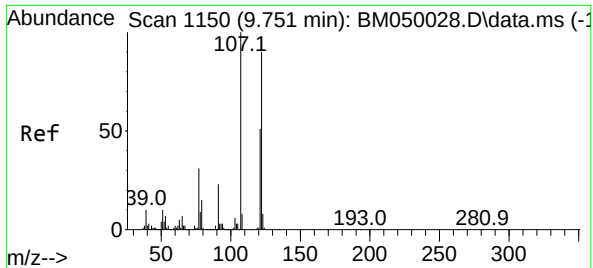
Tgt Ion: 82 Resp: 1281550
Ion Ratio Lower Upper
82 100
95 6.9 5.7 8.5
138 18.7 15.5 23.3



#26
2-Nitrophenol
Concen: 40.391 ng
RT: 9.657 min Scan# 1134
Delta R.T. -0.024 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

Tgt Ion:139 Resp: 350488
Ion Ratio Lower Upper
139 100
109 26.4 21.9 32.9
65 44.0 35.4 53.2





#27

2,4-Dimethylphenol

Concen: 39.207 ng

RT: 9.733 min Scan# 1150

Delta R.T. -0.018 min

Lab File: BM050096.D

Acq: 05 May 2025 12:18

Instrument :

BNA_M

ClientSampleId :

SSTDCCC040

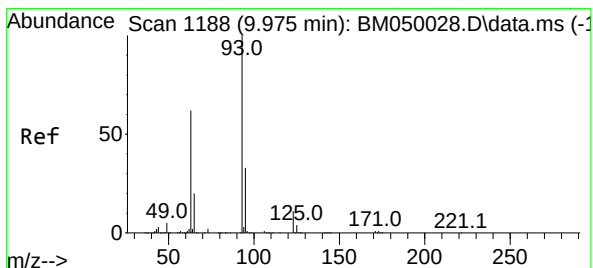
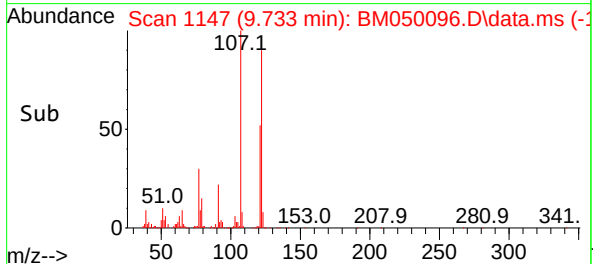
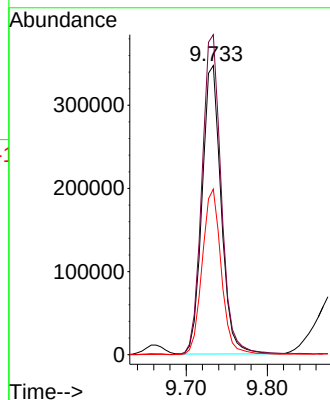
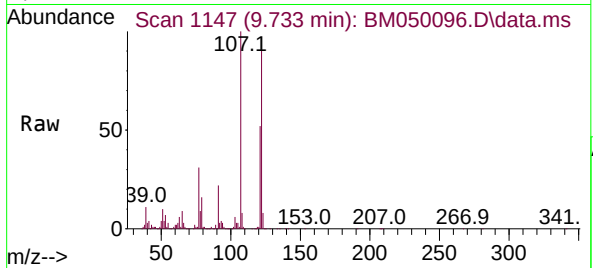
Tgt Ion:122 Resp: 564199

Ion Ratio Lower Upper

122 100

107 110.7 89.0 133.6

121 57.3 45.6 68.4



#28

bis(2-Chloroethoxy)methane

Concen: 37.911 ng

RT: 9.951 min Scan# 1184

Delta R.T. -0.024 min

Lab File: BM050096.D

Acq: 05 May 2025 12:18

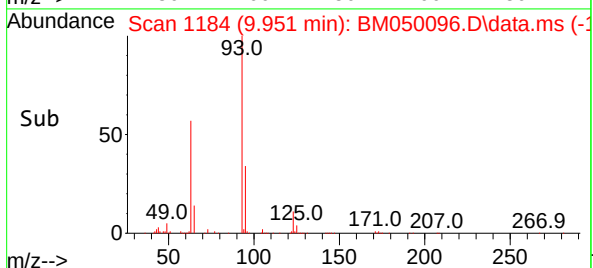
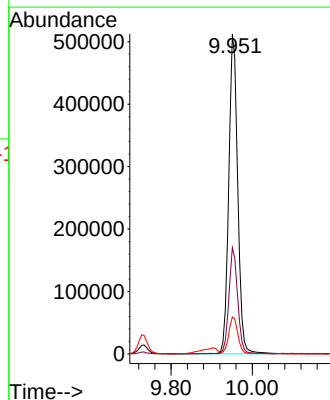
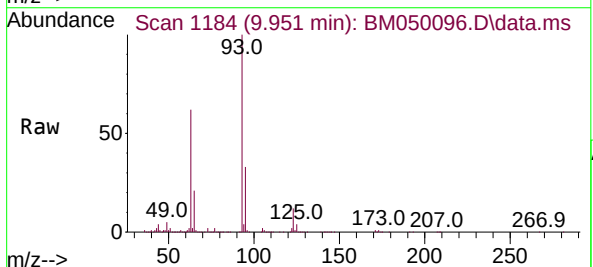
Tgt Ion: 93 Resp: 784616

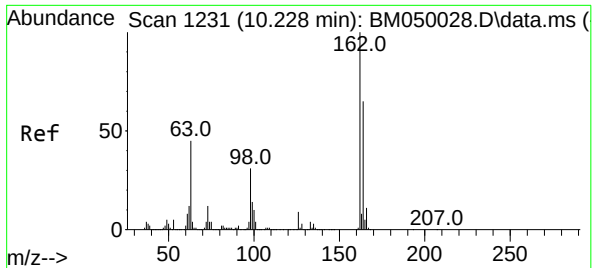
Ion Ratio Lower Upper

93 100

95 33.2 26.1 39.1

123 11.5 9.5 14.3





#29

2,4-Dichlorophenol

Concen: 39.667 ng

RT: 10.210 min Scan# 1228

Delta R.T. -0.018 min

Lab File: BM050096.D

Acq: 05 May 2025 12:18

Instrument :

BNA_M

ClientSampleId :

SSTDCCC040

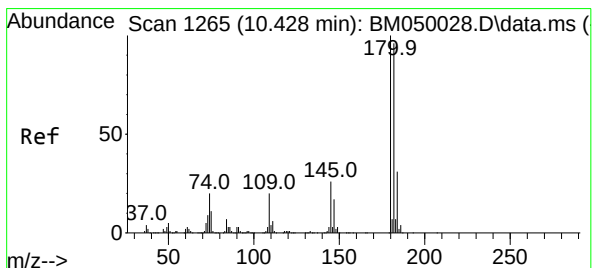
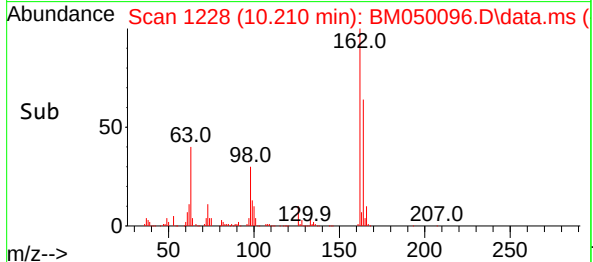
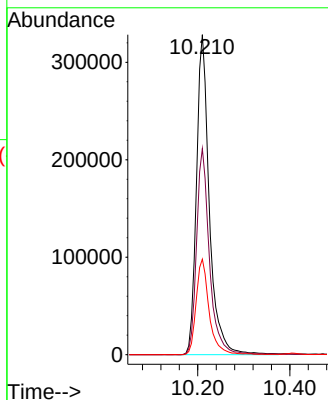
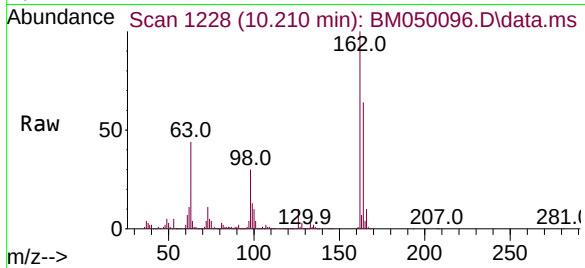
Tgt Ion:162 Resp: 639475

Ion Ratio Lower Upper

162 100

164 64.4 45.4 85.4

98 29.9 11.3 51.3



#30

1,2,4-Trichlorobenzene

Concen: 37.455 ng

RT: 10.404 min Scan# 1261

Delta R.T. -0.024 min

Lab File: BM050096.D

Acq: 05 May 2025 12:18

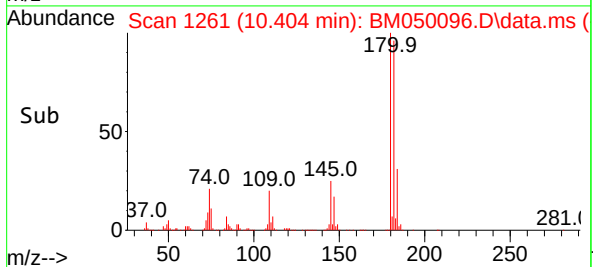
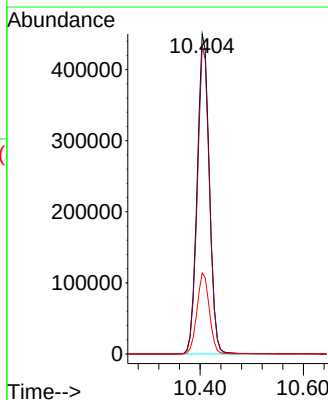
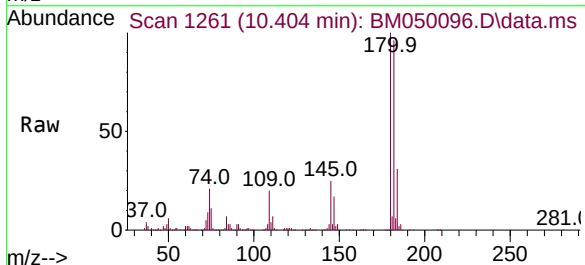
Tgt Ion:180 Resp: 735664

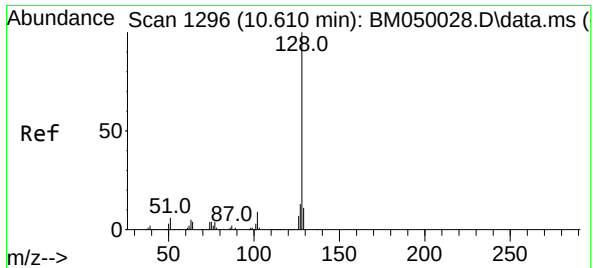
Ion Ratio Lower Upper

180 100

182 96.2 77.0 115.4

145 25.3 20.6 30.8

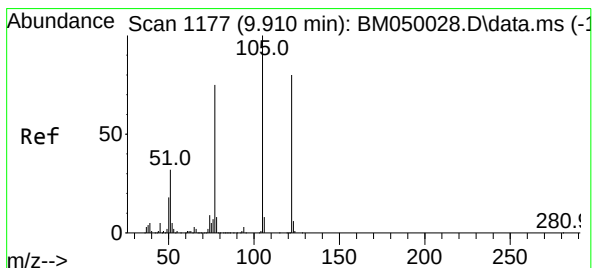
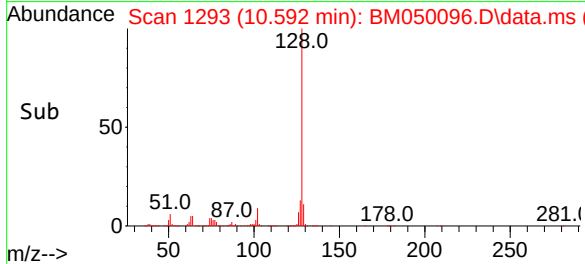
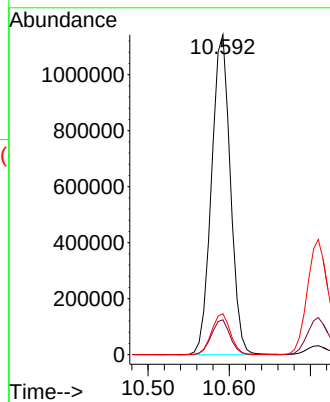
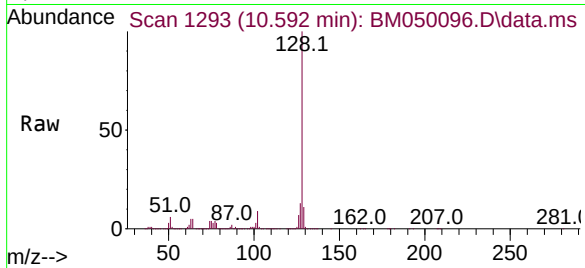




#31
Naphthalene
Concen: 37.558 ng
RT: 10.592 min Scan# 1293
Delta R.T. -0.018 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

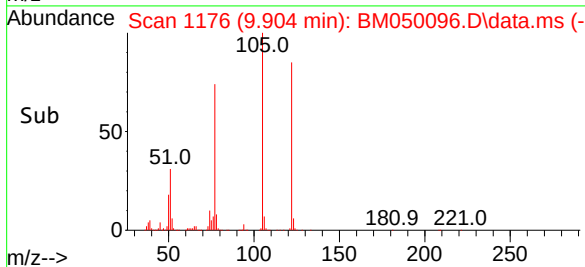
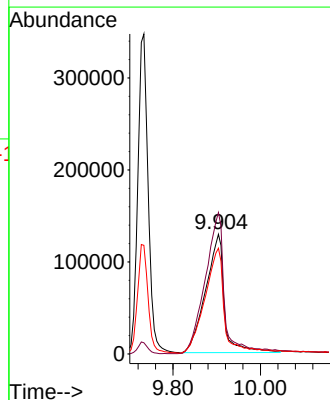
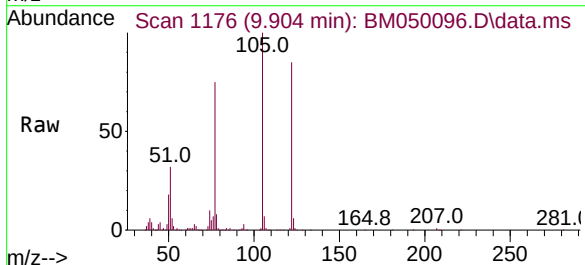
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

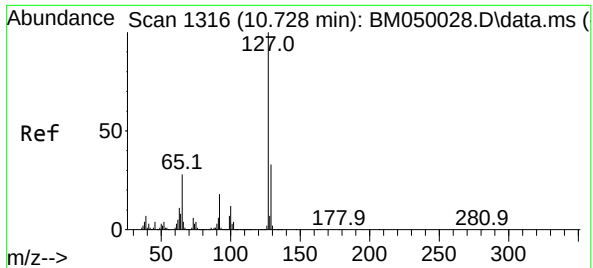
Tgt Ion:128 Resp: 1841162
Ion Ratio Lower Upper
128 100
129 10.9 8.8 13.2
127 12.8 10.4 15.6



#32
Benzoic acid
Concen: 41.598 ng
RT: 9.904 min Scan# 1176
Delta R.T. -0.006 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

Tgt Ion:122 Resp: 382848
Ion Ratio Lower Upper
122 100
105 118.3 103.6 143.6
77 88.4 73.7 113.7

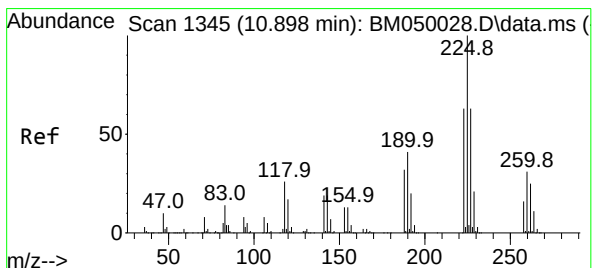
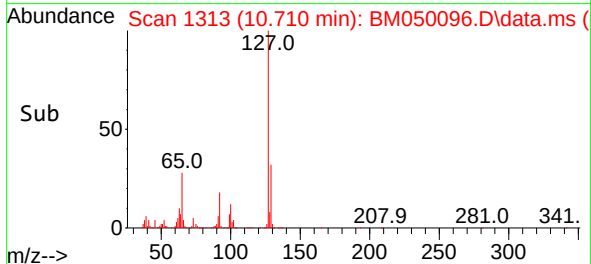
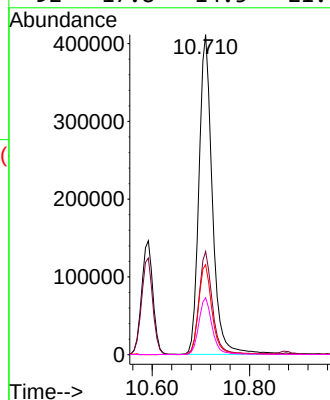
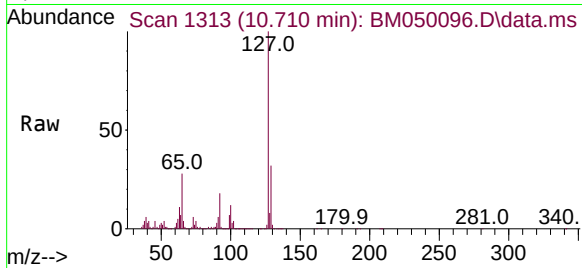




#33
4-Chloroaniline
Concen: 39.262 ng
RT: 10.710 min Scan# 11
Delta R.T. -0.018 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

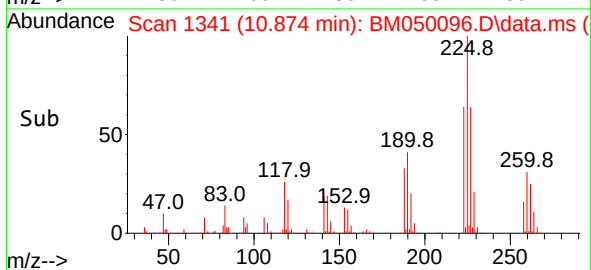
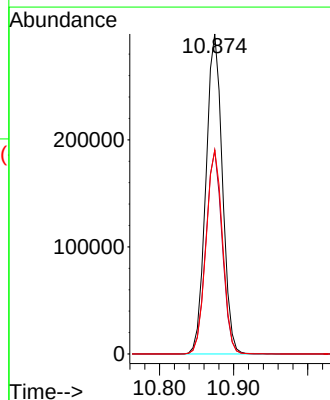
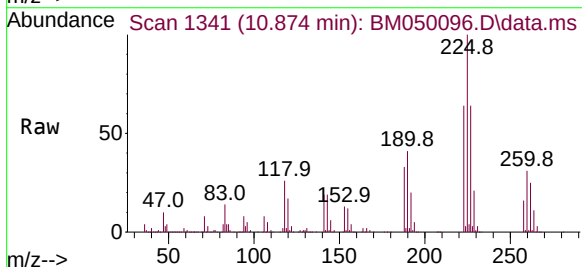
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

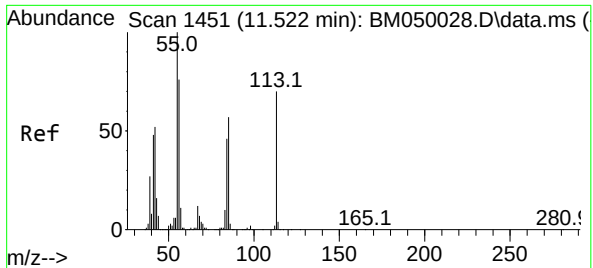
Tgt Ion	Ratio	Lower	Upper
127	100		
129	32.3	26.3	39.5
65	28.1	22.5	33.7
92	17.8	14.5	21.7



#34
Hexachlorobutadiene
Concen: 36.955 ng
RT: 10.874 min Scan# 1341
Delta R.T. -0.024 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.2	75.2
227	63.7	50.6	76.0

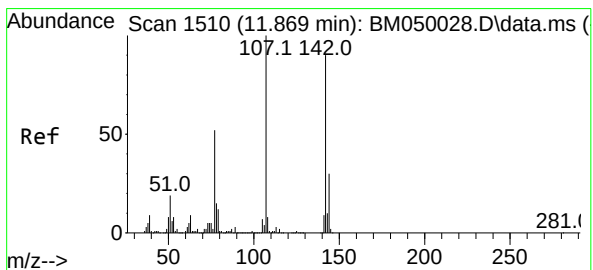
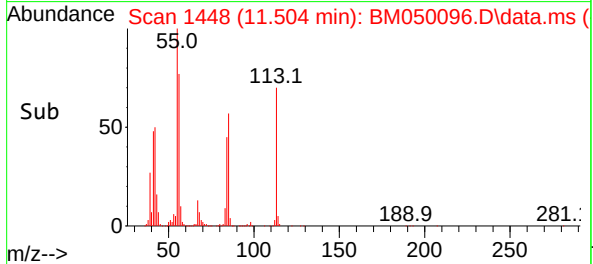
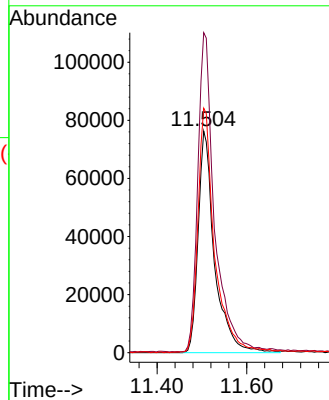
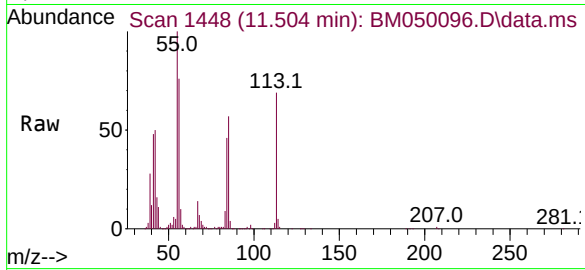




#35
Caprolactam
Concen: 41.235 ng
RT: 11.504 min Scan# 1451
Delta R.T. -0.018 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

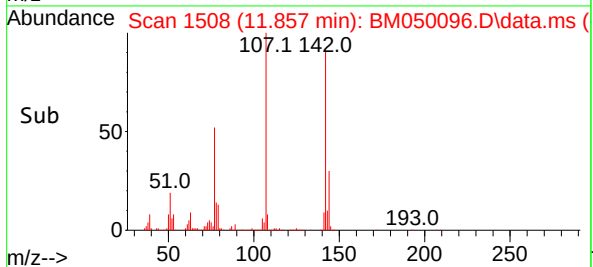
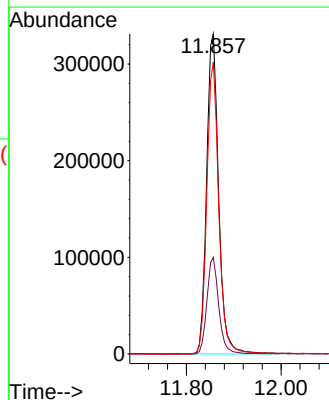
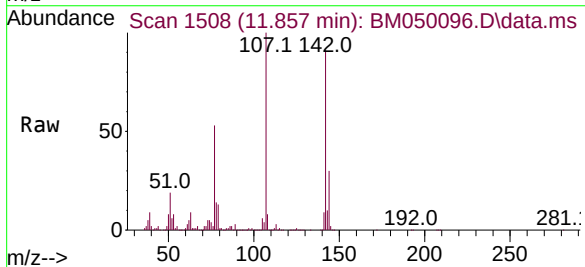
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

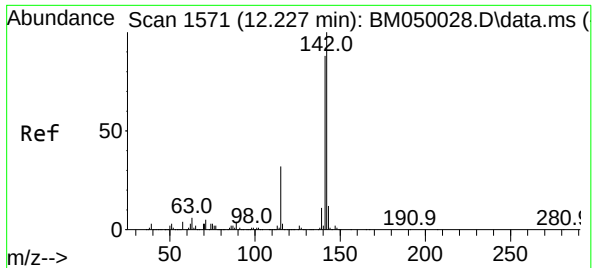
Tgt Ion:113 Resp: 193827
Ion Ratio Lower Upper
113 100
55 144.5 122.9 162.9
56 110.4 88.1 128.1



#36
4-Chloro-3-methylphenol
Concen: 39.178 ng
RT: 11.857 min Scan# 1508
Delta R.T. -0.012 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

Tgt Ion:107 Resp: 583518
Ion Ratio Lower Upper
107 100
144 30.2 23.8 35.6
142 91.2 71.9 107.9

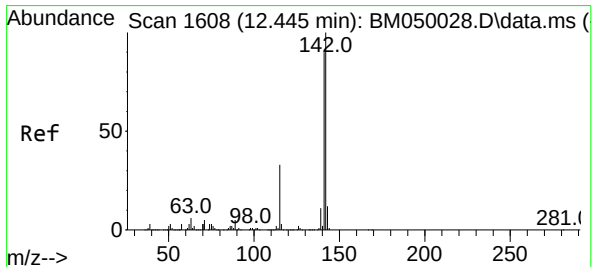
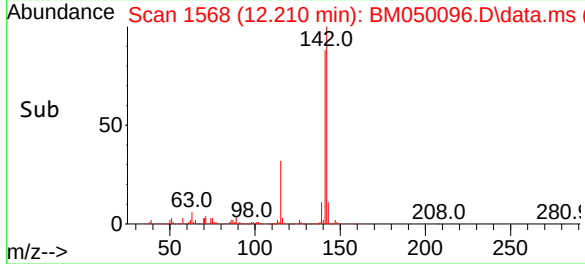
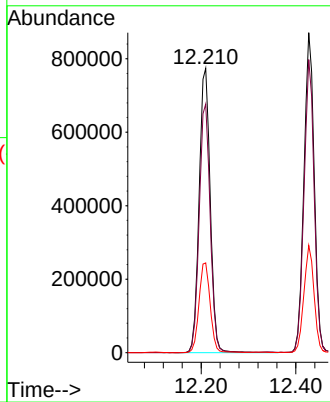
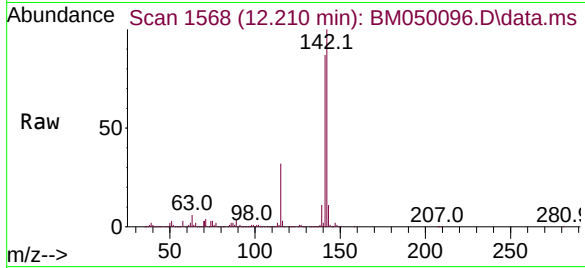




#37
2-Methylnaphthalene
Concen: 38.059 ng
RT: 12.210 min Scan# 11
Delta R.T. -0.018 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

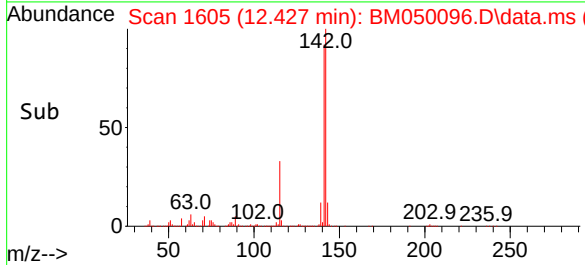
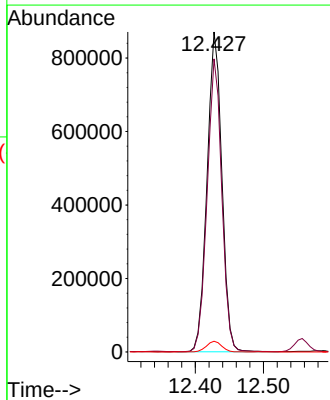
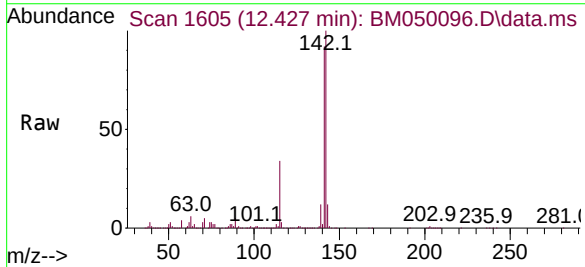
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

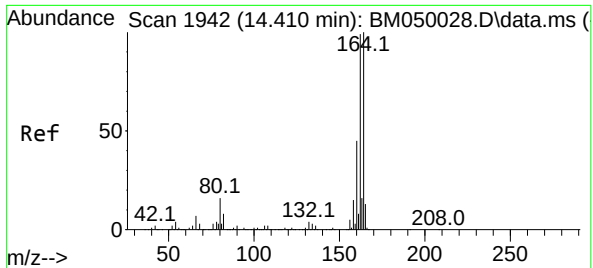
Tgt Ion:142 Resp: 1250848
Ion Ratio Lower Upper
142 100
141 87.5 70.4 105.6
115 31.6 25.4 38.2



#38
1-Methylnaphthalene
Concen: 37.796 ng
RT: 12.427 min Scan# 1605
Delta R.T. -0.018 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

Tgt Ion:142 Resp: 1314594
Ion Ratio Lower Upper
142 100
141 91.6 72.1 108.1
116 3.3 2.7 4.1

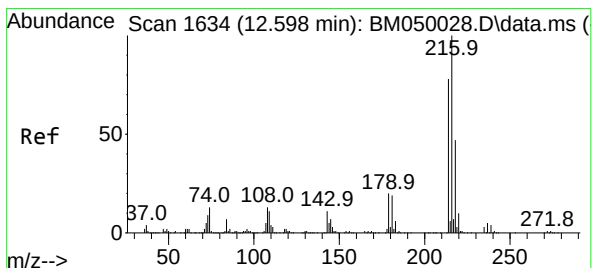
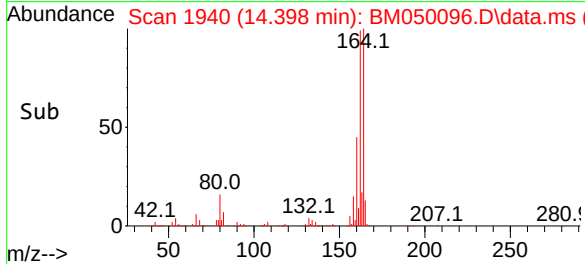
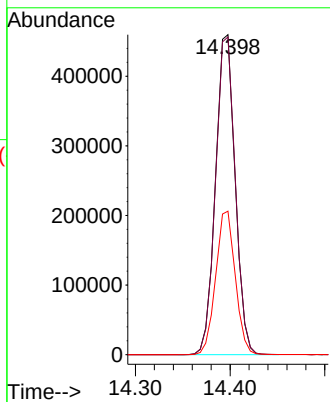
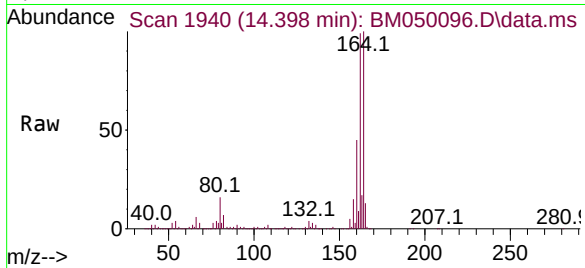




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.398 min Scan# 1942
Delta R.T. -0.012 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

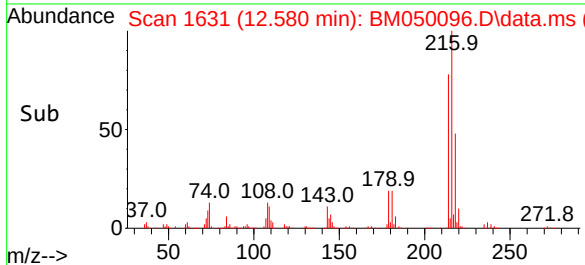
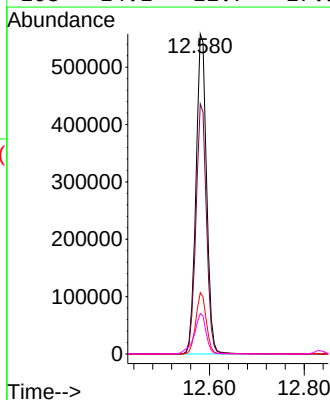
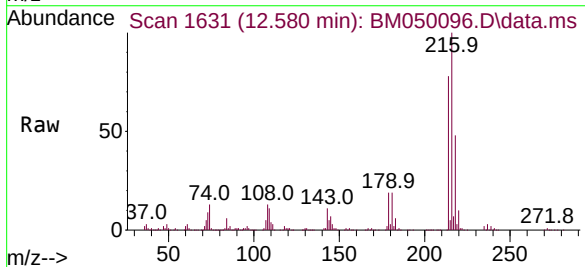
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

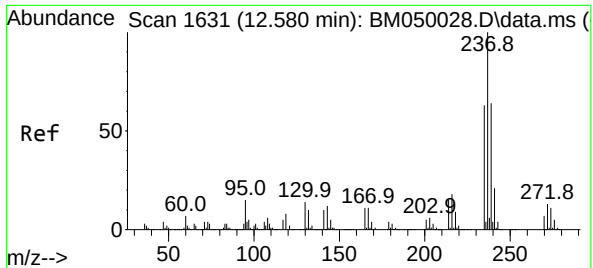
Tgt Ion:164 Resp: 663376
Ion Ratio Lower Upper
164 100
162 99.3 79.4 119.0
160 44.9 36.2 54.4



#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.664 ng
RT: 12.580 min Scan# 1631
Delta R.T. -0.018 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

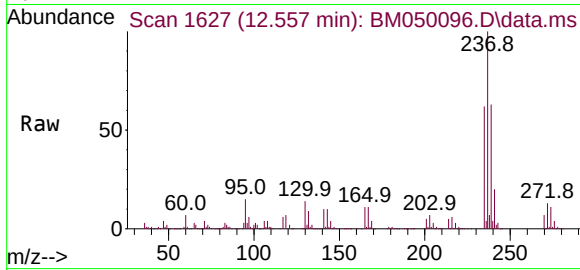
Tgt Ion:216 Resp: 864920
Ion Ratio Lower Upper
216 100
214 78.0 62.3 93.5
179 19.0 15.4 23.0
108 14.1 11.7 17.5



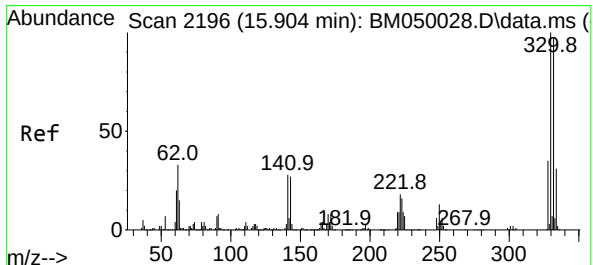
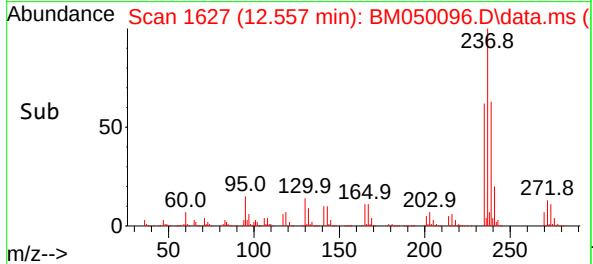
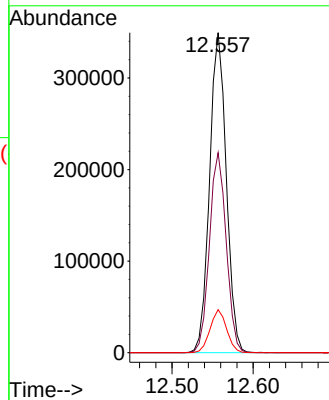


#41
Hexachlorocyclopentadiene
Concen: 35.546 ng
RT: 12.557 min Scan# 1
Delta R.T. -0.023 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

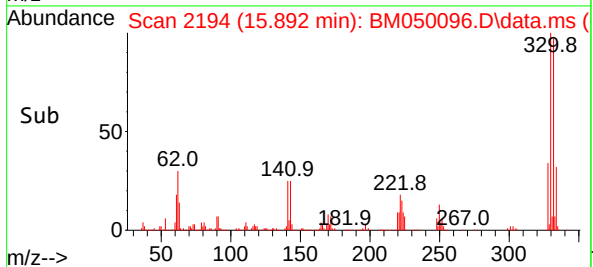
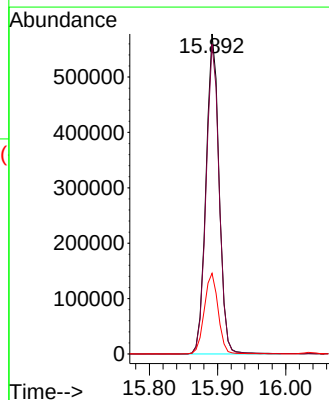
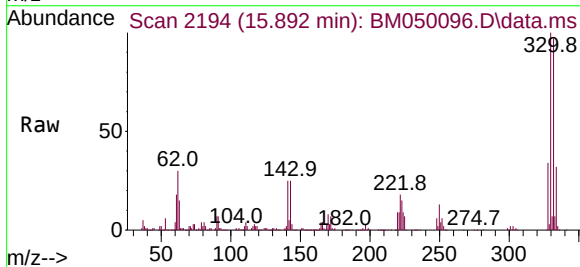


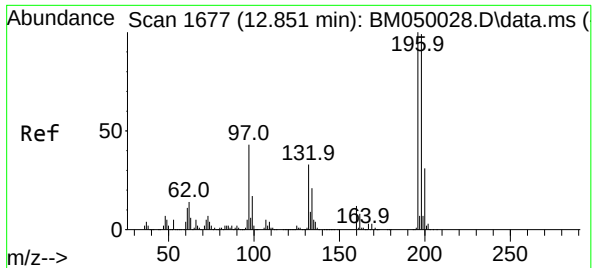
Tgt Ion:237 Resp: 498851
Ion Ratio Lower Upper
237 100
235 62.5 42.9 82.9
272 13.4 0.0 32.9



#42
2,4,6-Tribromophenol
Concen: 78.767 ng
RT: 15.892 min Scan# 2194
Delta R.T. -0.012 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

Tgt Ion:330 Resp: 772621
Ion Ratio Lower Upper
330 100
332 96.6 77.3 115.9
141 26.7 22.5 33.7

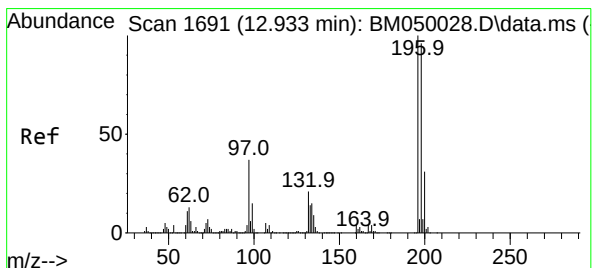
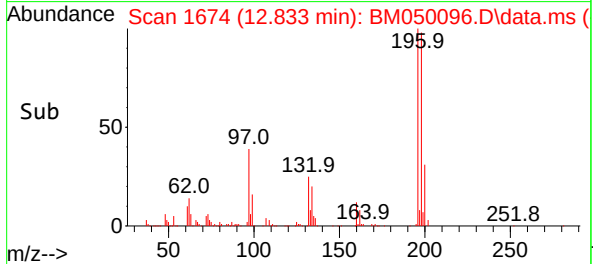
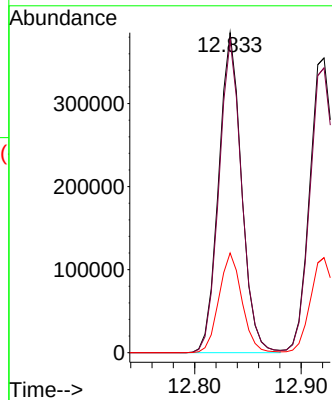
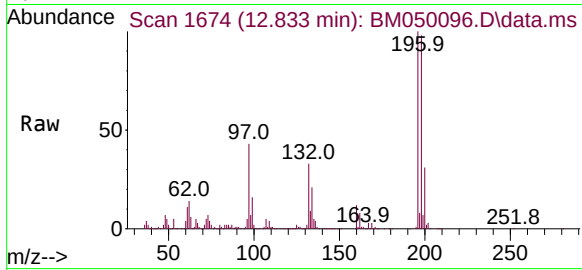




#43
2,4,6-Trichlorophenol
Concen: 39.402 ng
RT: 12.833 min Scan# 1674
Delta R.T. -0.018 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

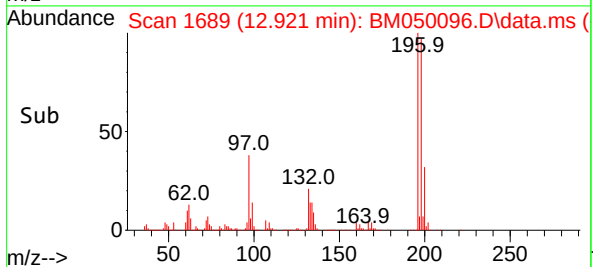
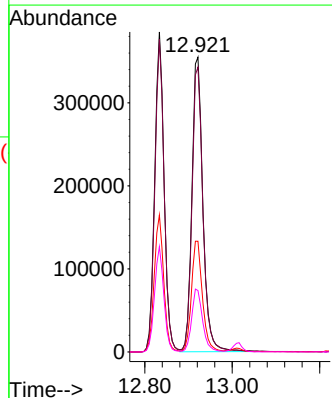
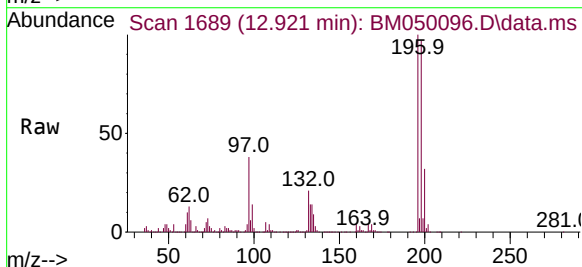
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

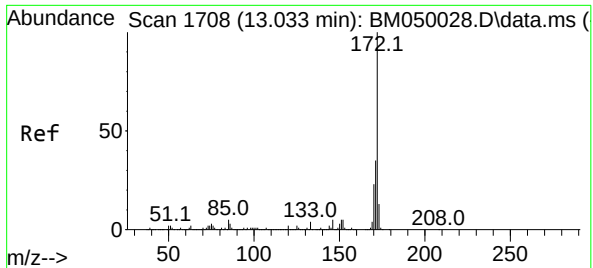
Tgt Ion:196 Resp: 573909
Ion Ratio Lower Upper
196 100
198 97.7 79.0 118.6
200 31.2 25.1 37.7



#44
2,4,5-Trichlorophenol
Concen: 39.588 ng
RT: 12.921 min Scan# 1689
Delta R.T. -0.012 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

Tgt Ion:196 Resp: 621796
Ion Ratio Lower Upper
196 100
198 96.7 76.7 115.1
97 37.6 30.1 45.1
132 20.8 16.6 25.0

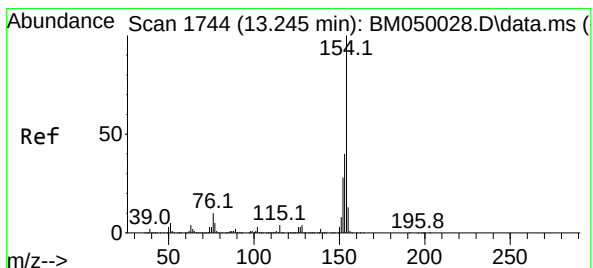
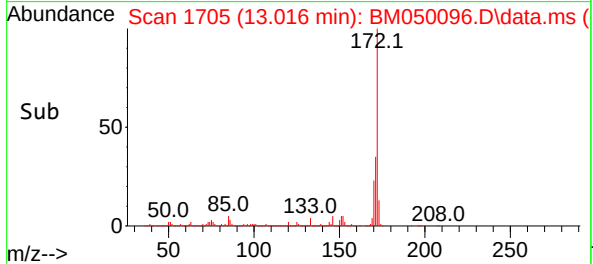
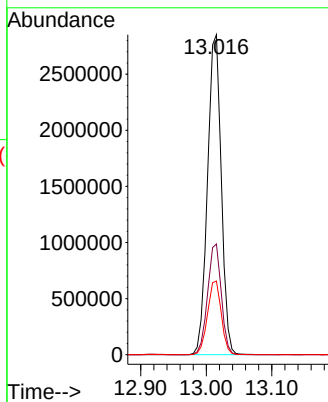
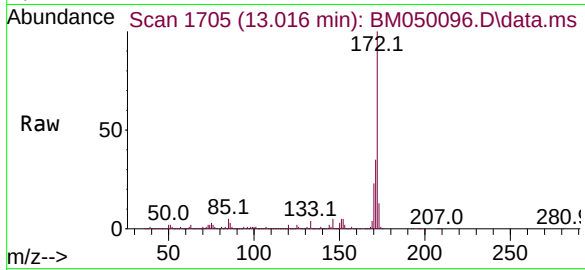




#45
2-Fluorobiphenyl
Concen: 74.166 ng
RT: 13.016 min Scan# 1705
Delta R.T. -0.018 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

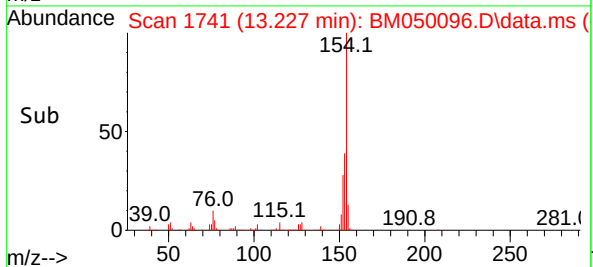
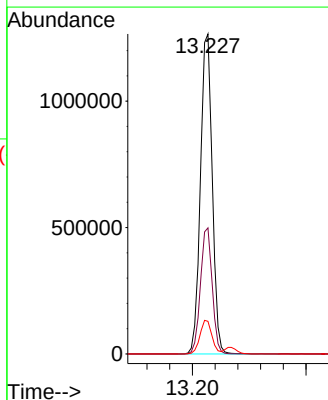
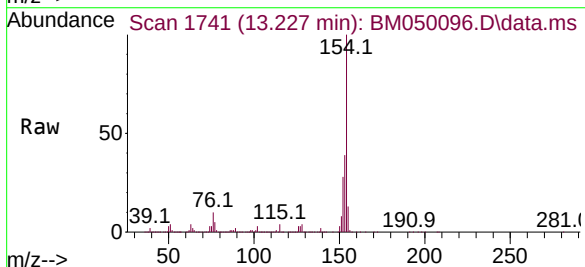
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

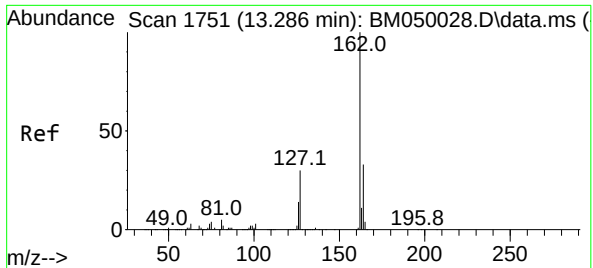
Tgt Ion:172 Resp: 4158957
Ion Ratio Lower Upper
172 100
171 34.6 27.8 41.6
170 23.0 18.6 28.0



#46
1,1'-Biphenyl
Concen: 37.011 ng
RT: 13.227 min Scan# 1741
Delta R.T. -0.018 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

Tgt Ion:154 Resp: 1825108
Ion Ratio Lower Upper
154 100
153 39.4 20.0 60.0
76 10.2 0.0 30.3

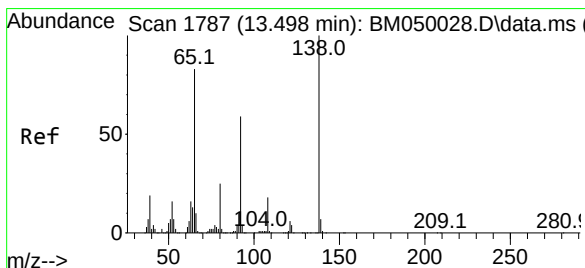
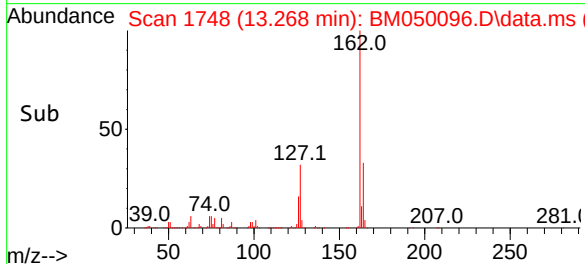
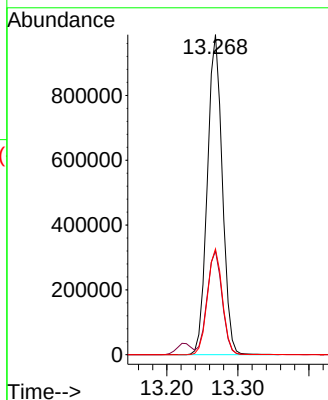
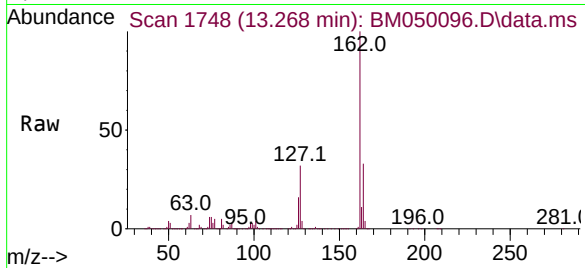




#47
2-Chloronaphthalene
Concen: 36.973 ng
RT: 13.268 min Scan# 1751
Delta R.T. -0.018 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

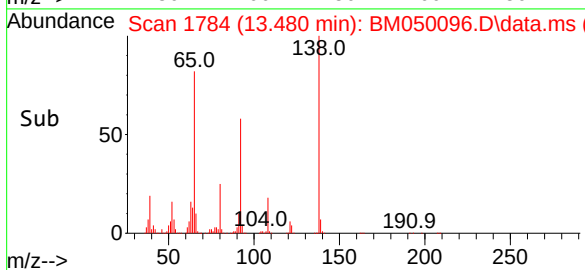
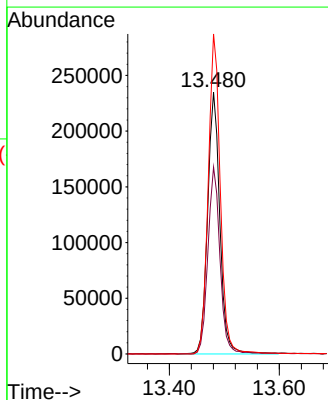
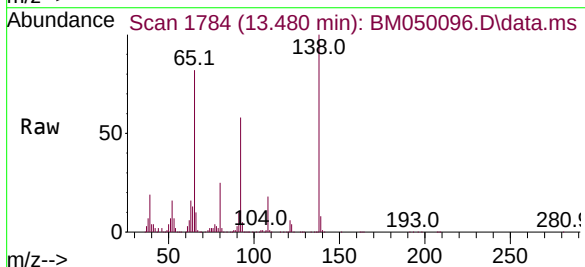
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

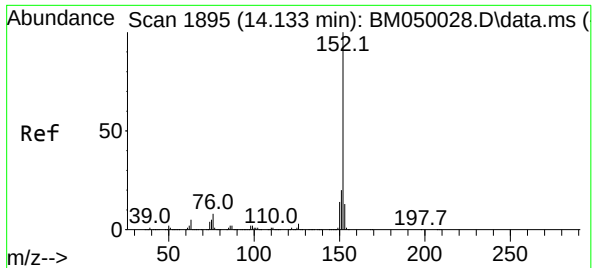
Tgt Ion:162 Resp: 1443971
Ion Ratio Lower Upper
162 100
127 32.4 25.9 38.9
164 33.0 26.6 40.0



#48
2-Nitroaniline
Concen: 39.633 ng
RT: 13.480 min Scan# 1784
Delta R.T. -0.018 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

Tgt Ion: 65 Resp: 363286
Ion Ratio Lower Upper
65 100
92 71.4 57.1 85.7
138 122.3 97.0 145.4

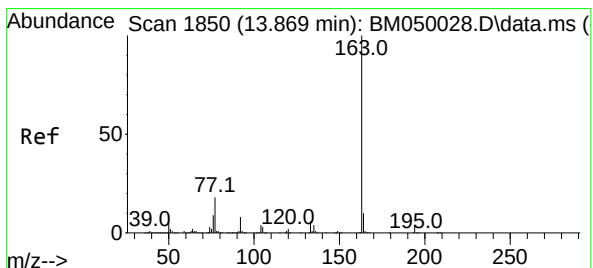
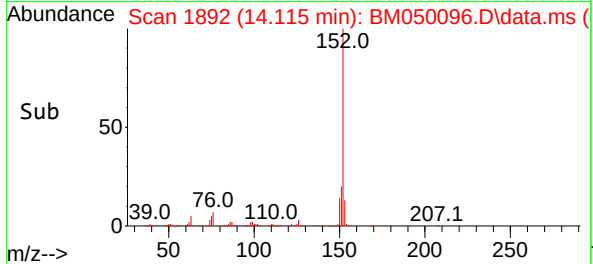
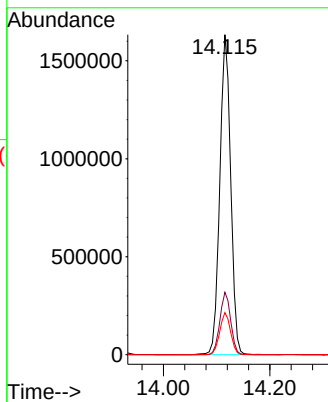
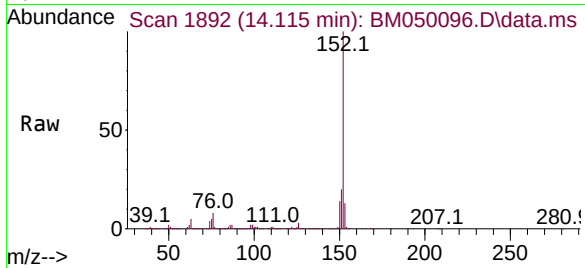




#49
Acenaphthylene
Concen: 37.514 ng
RT: 14.115 min Scan# 1892
Delta R.T. -0.018 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

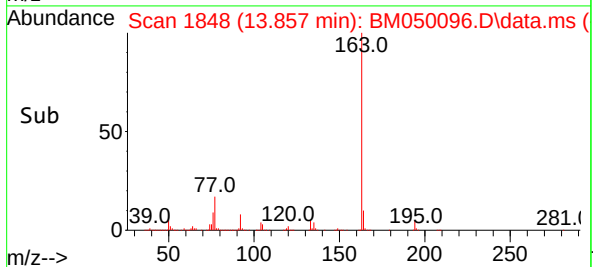
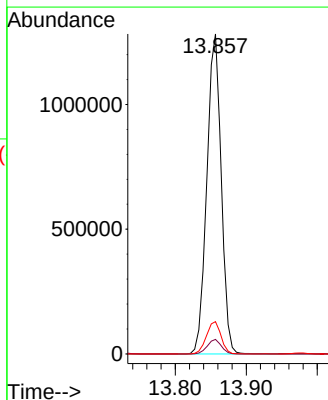
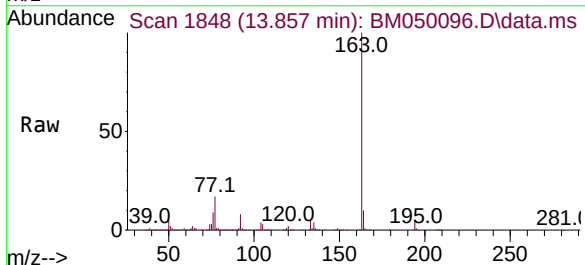
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

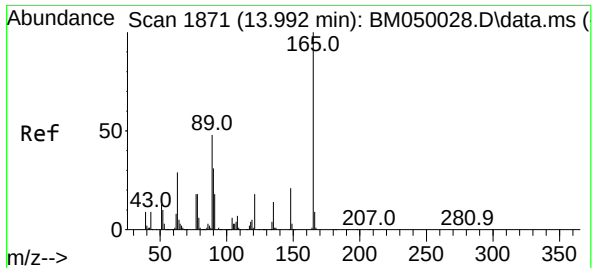
Tgt Ion:152 Resp: 2310020
Ion Ratio Lower Upper
152 100
151 19.5 15.8 23.8
153 13.1 10.6 15.8



#50
Dimethylphthalate
Concen: 37.233 ng
RT: 13.857 min Scan# 1848
Delta R.T. -0.012 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

Tgt Ion:163 Resp: 1805057
Ion Ratio Lower Upper
163 100
194 4.5 3.4 5.2
164 10.1 8.2 12.2

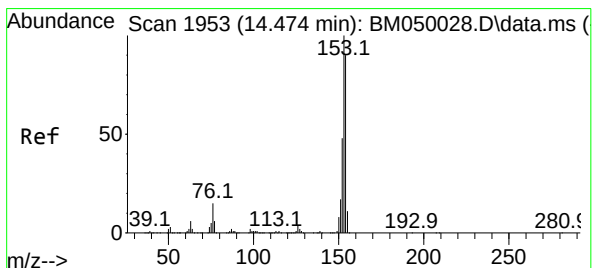
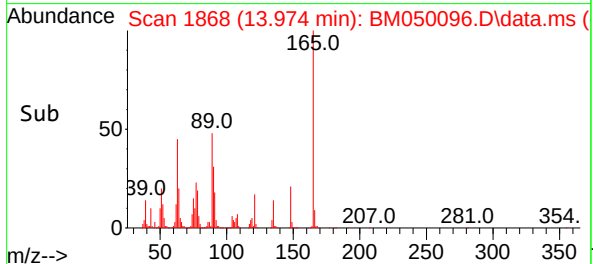
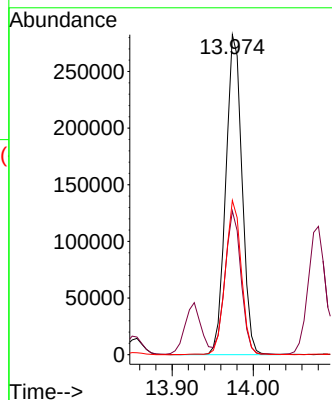
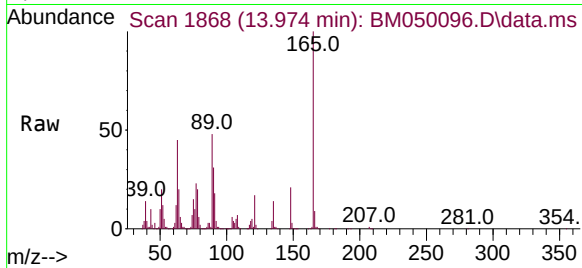




#51
2,6-Dinitrotoluene
Concen: 39.208 ng
RT: 13.974 min Scan# 1868
Delta R.T. -0.018 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

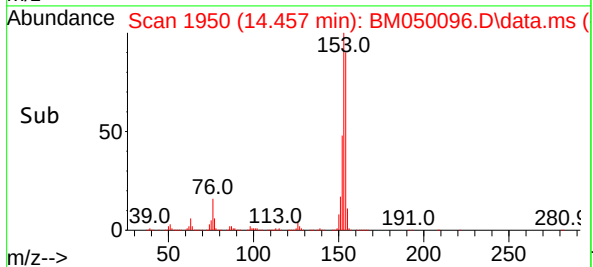
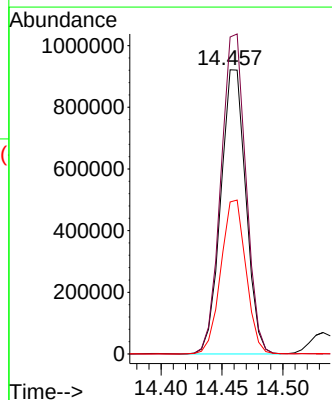
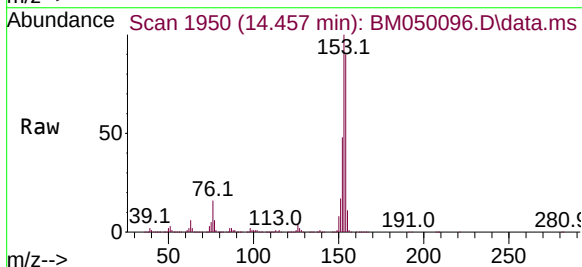
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

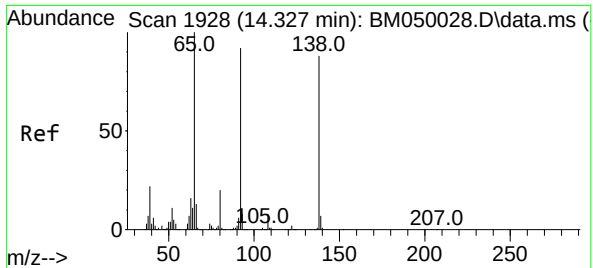
Tgt Ion:165 Resp: 393554
Ion Ratio Lower Upper
165 100
63 44.9 35.1 52.7
89 48.2 38.4 57.6



#52
Acenaphthene
Concen: 37.091 ng
RT: 14.457 min Scan# 1950
Delta R.T. -0.018 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

Tgt Ion:154 Resp: 1322056
Ion Ratio Lower Upper
154 100
153 111.6 89.0 133.4
152 53.5 43.0 64.6

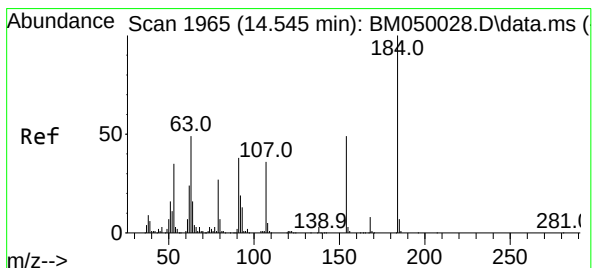
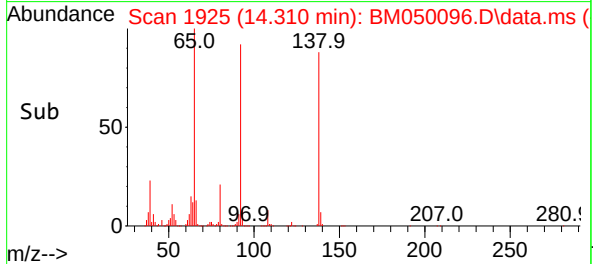
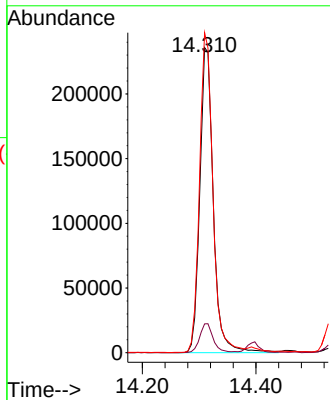
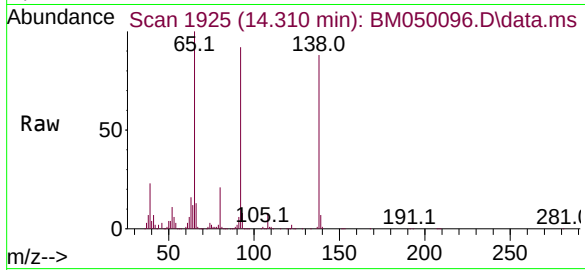




#53
3-Nitroaniline
Concen: 40.707 ng
RT: 14.310 min Scan# 1925
Delta R.T. -0.018 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

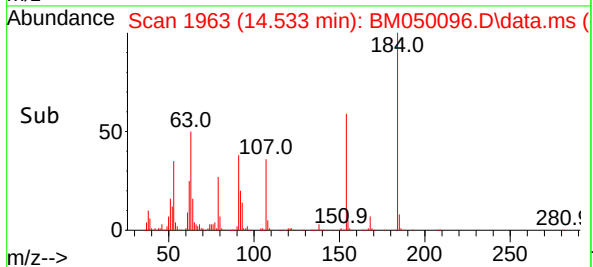
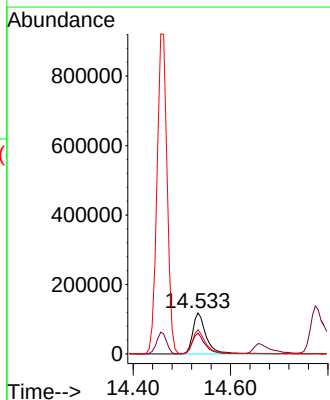
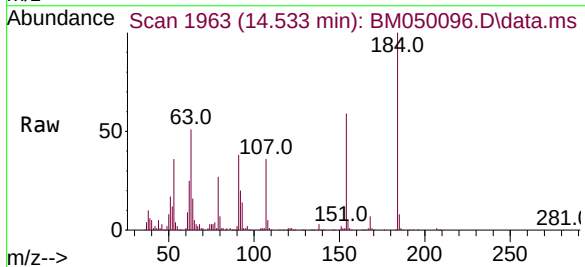
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

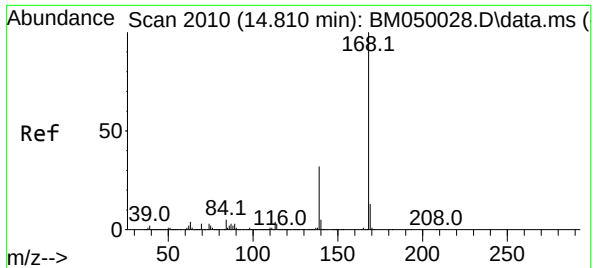
Tgt Ion:138 Resp: 390100
Ion Ratio Lower Upper
138 100
108 9.4 7.4 11.2
92 104.9 84.0 126.0



#54
2,4-Dinitrophenol
Concen: 38.565 ng
RT: 14.533 min Scan# 1963
Delta R.T. -0.012 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

Tgt Ion:184 Resp: 227150
Ion Ratio Lower Upper
184 100
63 50.5 39.8 59.6
154 59.1 46.1 69.1

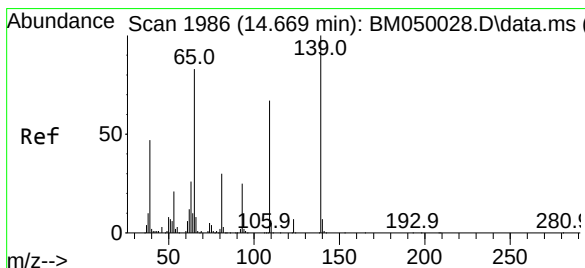
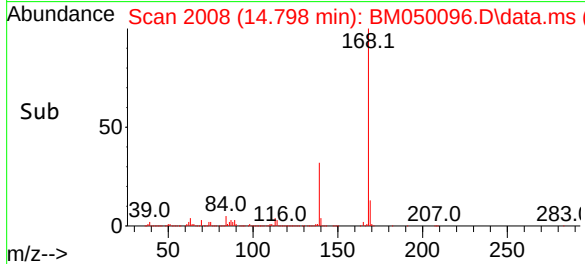
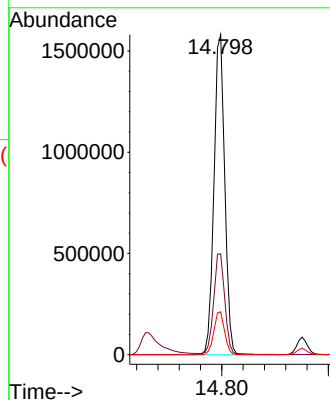
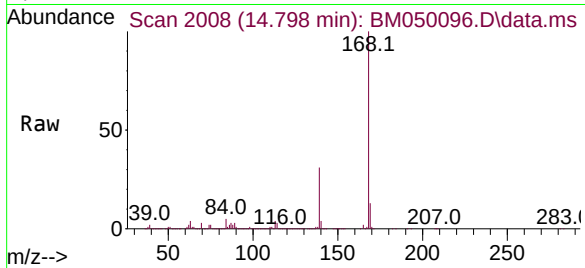




#55
Dibenzenofuran
Concen: 37.408 ng
RT: 14.798 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

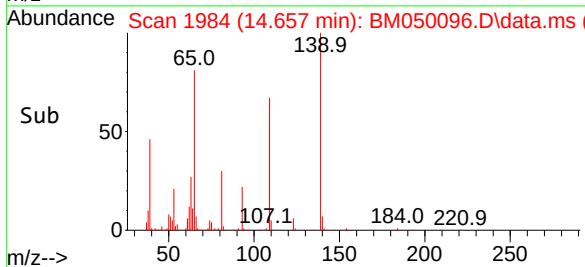
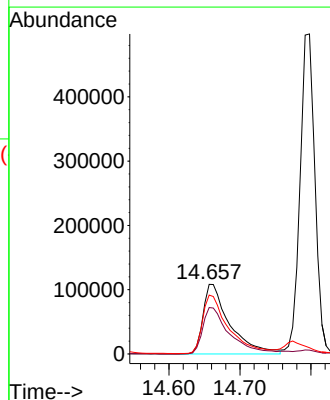
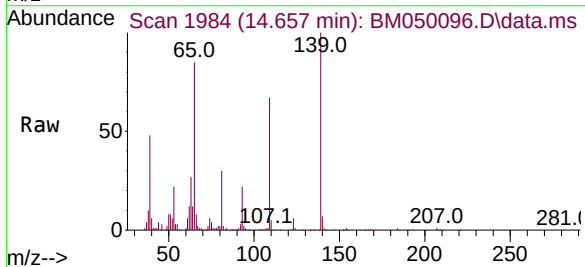
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

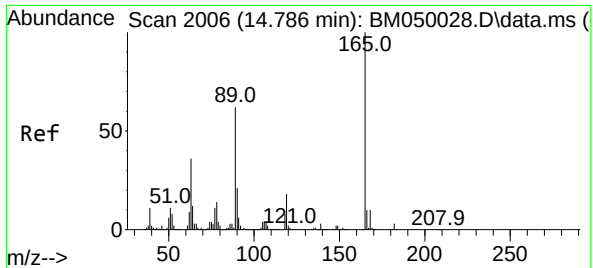
Tgt Ion:168 Resp: 2218445
Ion Ratio Lower Upper
168 100
139 31.5 26.1 39.1
169 13.4 10.8 16.2



#56
4-Nitrophenol
Concen: 38.524 ng
RT: 14.657 min Scan# 1984
Delta R.T. -0.012 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

Tgt Ion:139 Resp: 280919
Ion Ratio Lower Upper
139 100
109 66.6 47.0 87.0
65 84.6 64.3 104.3

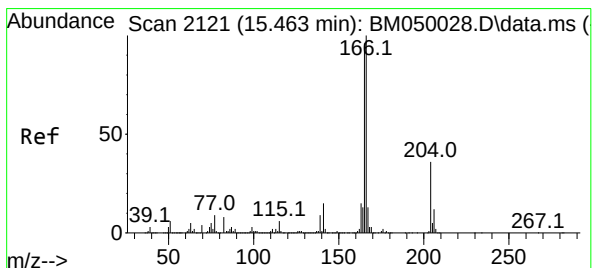
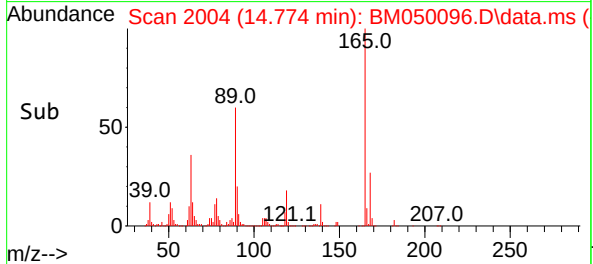
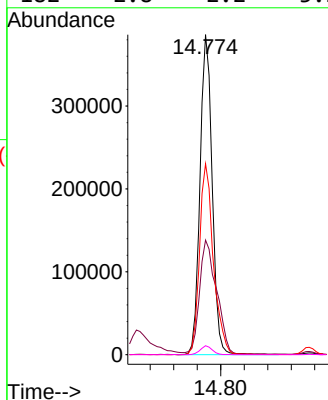
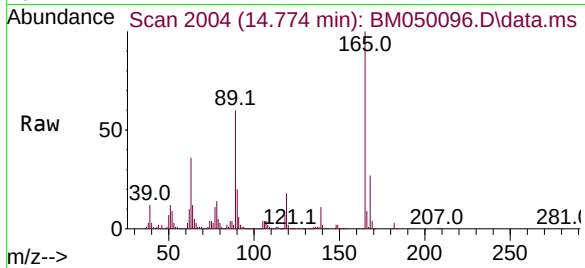




#57
2,4-Dinitrotoluene
Concen: 39.934 ng
RT: 14.774 min Scan# 2004
Delta R.T. -0.012 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

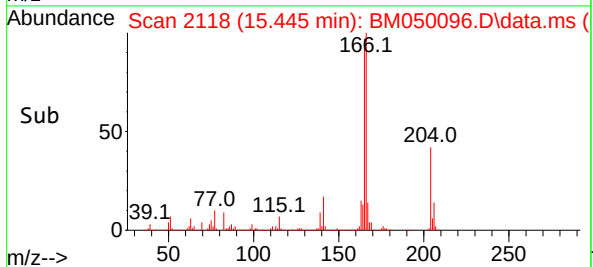
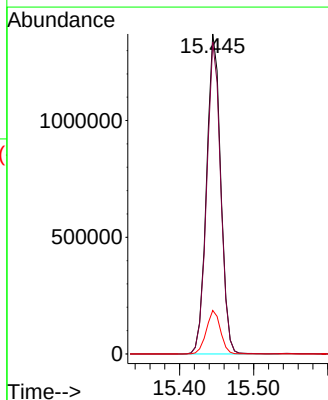
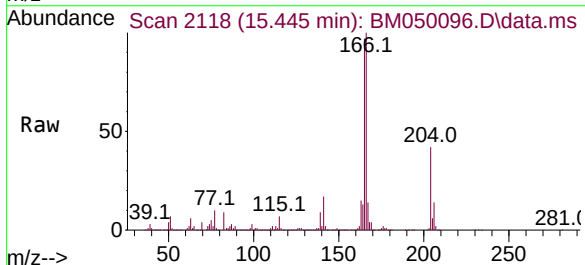
Instrument :
BNA_M
ClientSampleId :
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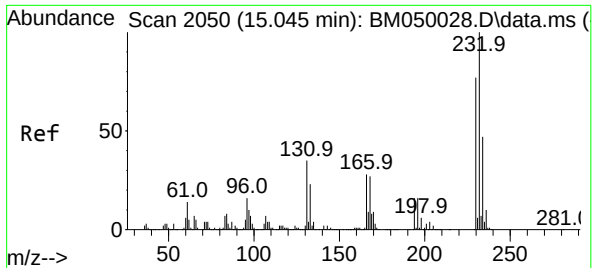
Tgt Ion:165 Resp: 553885
Ion Ratio Lower Upper
165 100
63 35.8 29.0 43.6
89 59.7 49.4 74.2
182 2.8 2.2 3.2



#58
Fluorene
Concen: 37.511 ng
RT: 15.445 min Scan# 2118
Delta R.T. -0.018 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

Tgt Ion:166 Resp: 1820845
Ion Ratio Lower Upper
166 100
165 97.4 76.6 115.0
167 13.6 10.6 16.0

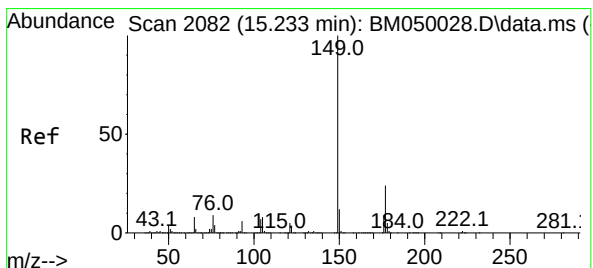
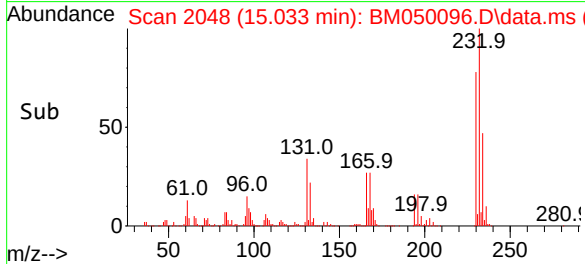
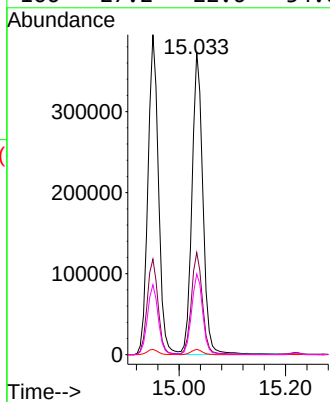
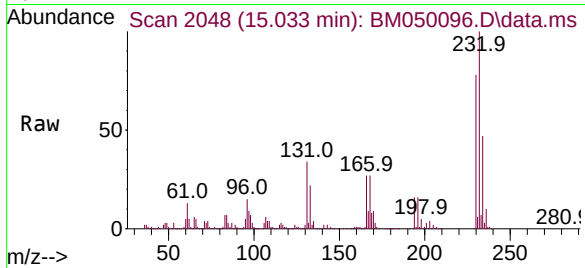




#59
2,3,4,6-Tetrachlorophenol
Concen: 38.984 ng
RT: 15.033 min Scan# 2048
Delta R.T. -0.012 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

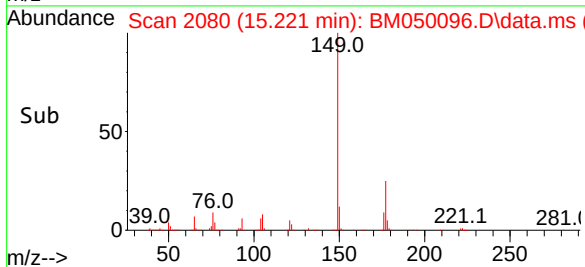
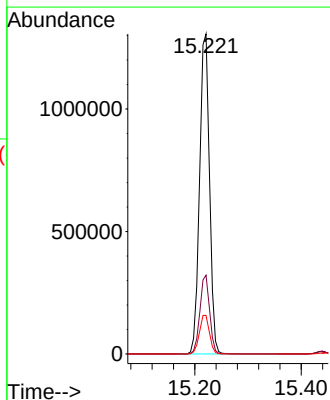
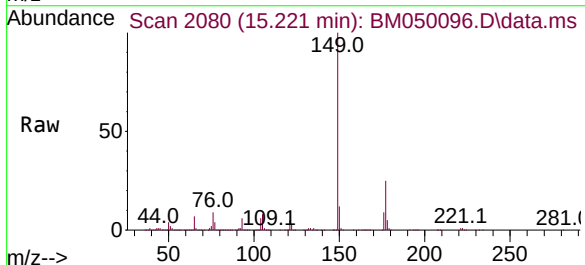
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

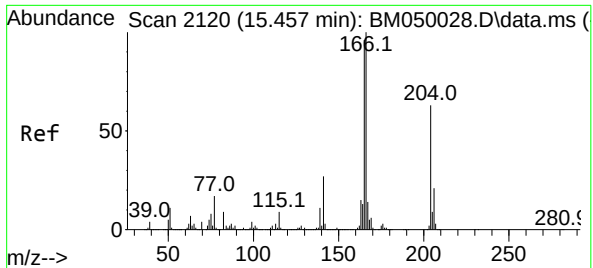
Tgt Ion:232 Resp: 530016
Ion Ratio Lower Upper
232 100
131 34.4 28.2 42.4
130 1.8 1.5 2.3
166 27.2 22.6 34.0



#60
Diethylphthalate
Concen: 36.893 ng
RT: 15.221 min Scan# 2080
Delta R.T. -0.012 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

Tgt Ion:149 Resp: 1685311
Ion Ratio Lower Upper
149 100
177 24.6 19.1 28.7
150 12.0 9.6 14.4

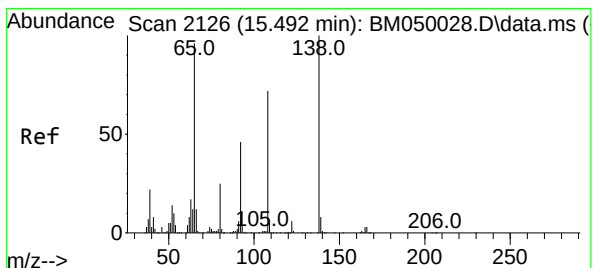
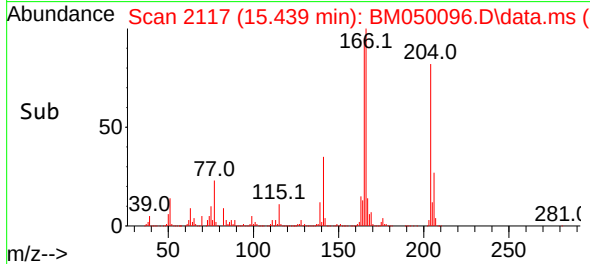
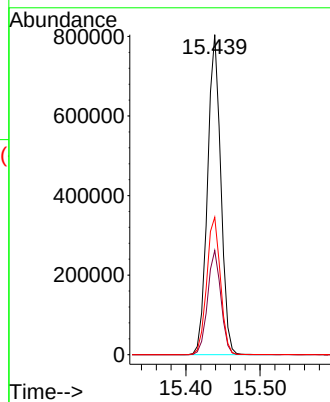
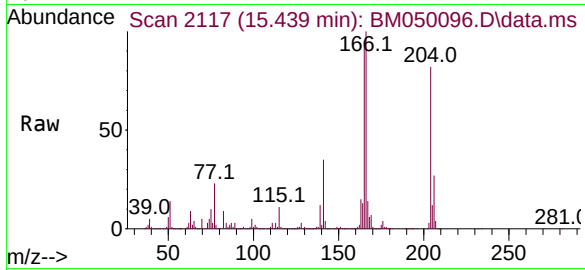




#61
4-Chlorophenyl-phenylether
Concen: 37.488 ng
RT: 15.439 min Scan# 2117
Delta R.T. -0.018 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

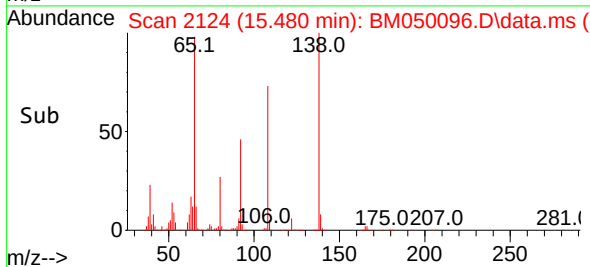
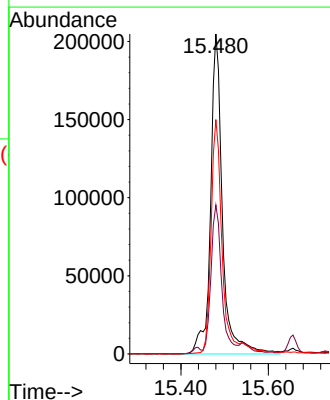
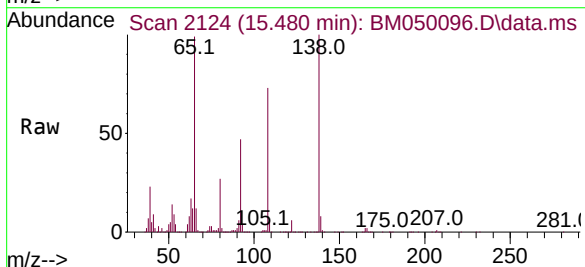
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

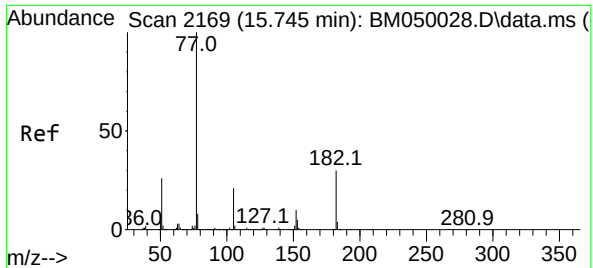
Tgt Ion:204 Resp: 999499
Ion Ratio Lower Upper
204 100
206 32.5 26.3 39.5
141 43.0 34.0 51.0



#62
4-Nitroaniline
Concen: 42.051 ng
RT: 15.480 min Scan# 2124
Delta R.T. -0.012 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

Tgt Ion:138 Resp: 388801
Ion Ratio Lower Upper
138 100
92 46.5 25.9 65.9
108 73.3 52.4 92.4

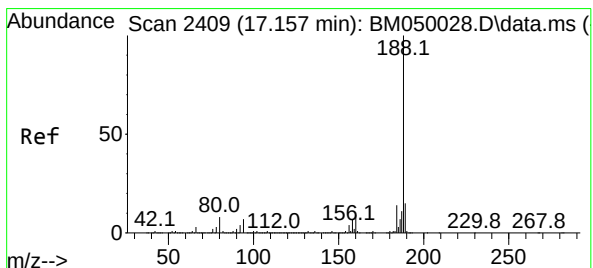
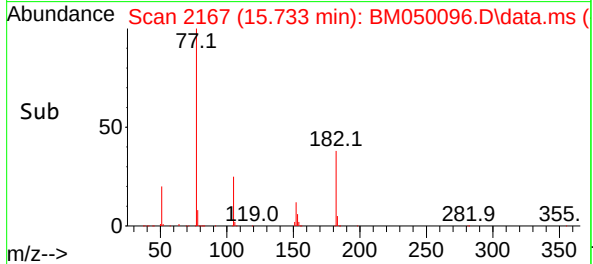
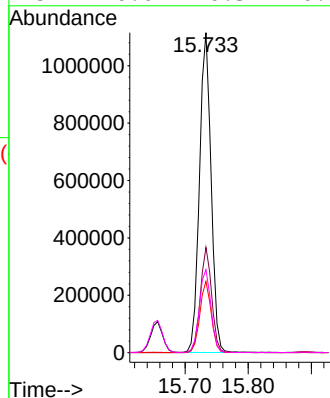
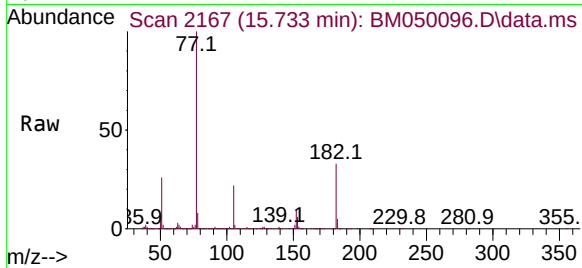




#63
Azobenzene
Concen: 37.117 ng
RT: 15.733 min Scan# 2167
Delta R.T. -0.012 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

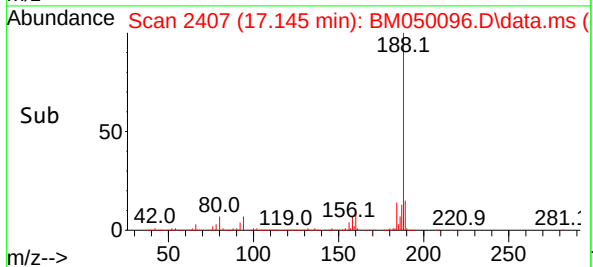
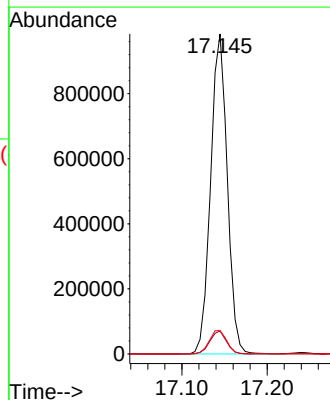
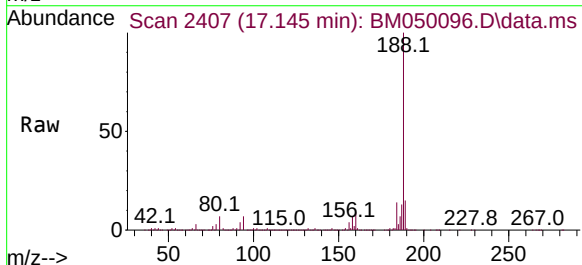
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

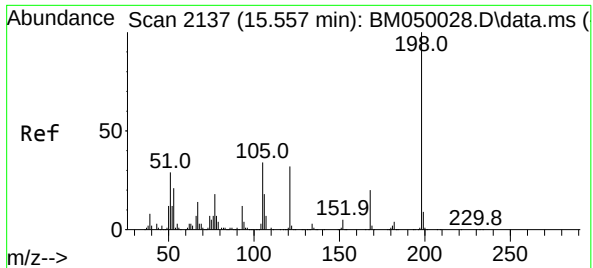
Tgt Ion: 77 Resp: 1421023
Ion Ratio Lower Upper
77 100
182 32.9 10.5 50.5
105 22.2 1.1 41.1
51 26.0 6.3 46.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.145 min Scan# 2407
Delta R.T. -0.012 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

Tgt Ion: 188 Resp: 1334825
Ion Ratio Lower Upper
188 100
94 7.2 5.7 8.5
80 7.3 6.2 9.4

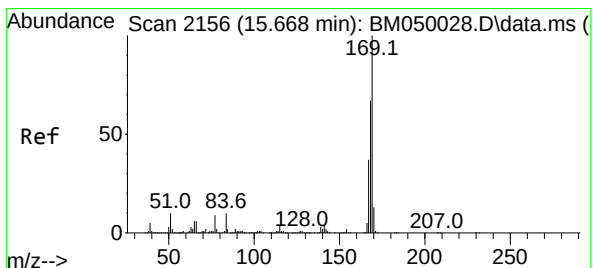
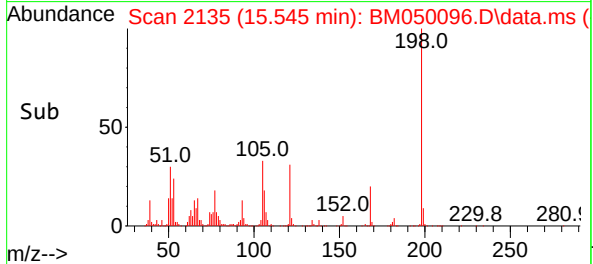
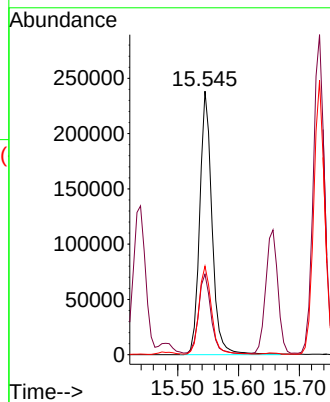
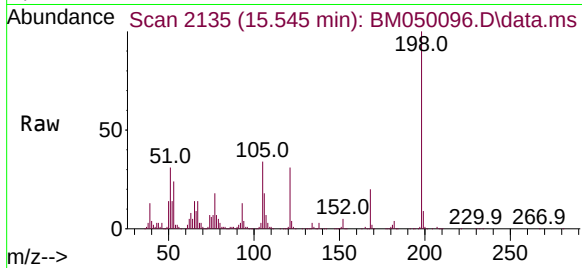




#65
4,6-Dinitro-2-methylphenol
Concen: 39.962 ng
RT: 15.545 min Scan# 2135
Delta R.T. -0.012 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

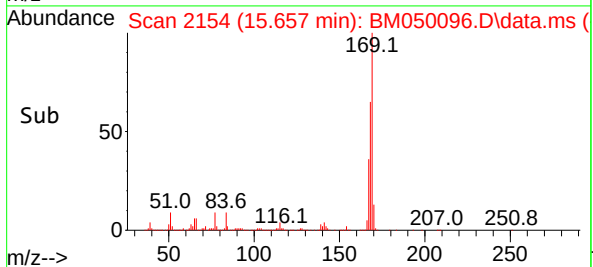
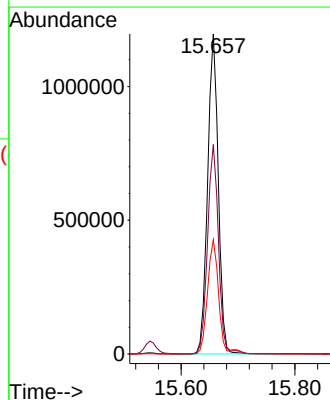
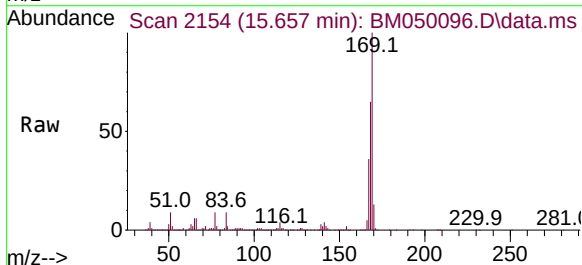
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

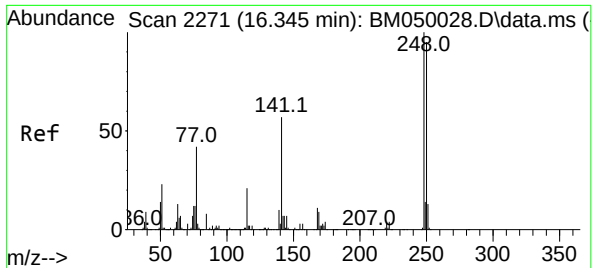
Tgt Ion:198 Resp: 333899
Ion Ratio Lower Upper
198 100
51 30.6 10.4 50.4
105 33.6 14.6 54.6



#66
n-Nitrosodiphenylamine
Concen: 37.777 ng
RT: 15.657 min Scan# 2154
Delta R.T. -0.012 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

Tgt Ion:169 Resp: 1548448
Ion Ratio Lower Upper
169 100
168 65.4 53.4 80.2
167 35.7 29.4 44.0

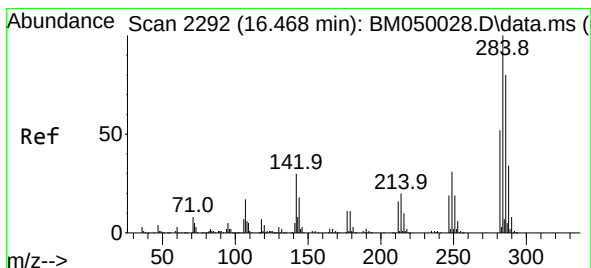
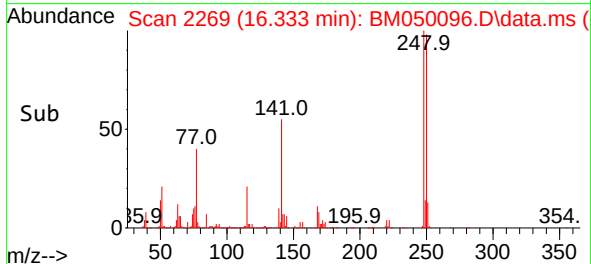
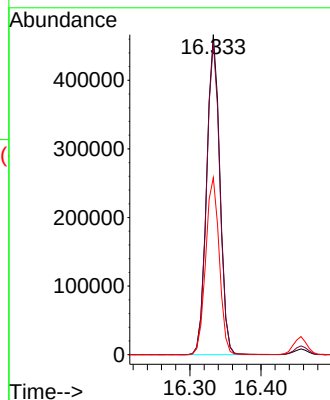
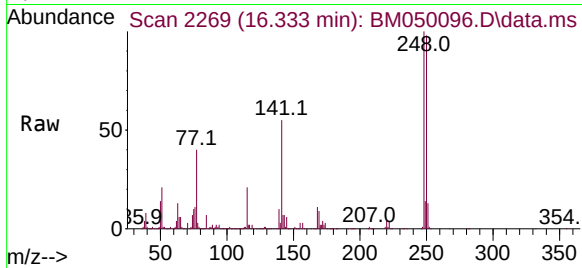




#67
4-Bromophenyl-phenylether
Concen: 37.394 ng
RT: 16.333 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

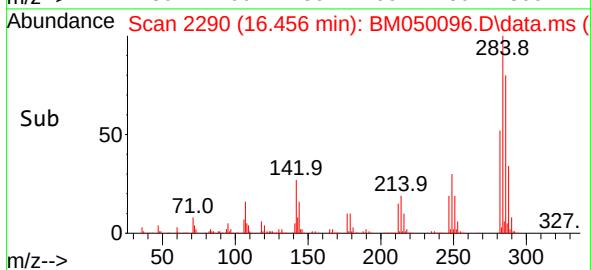
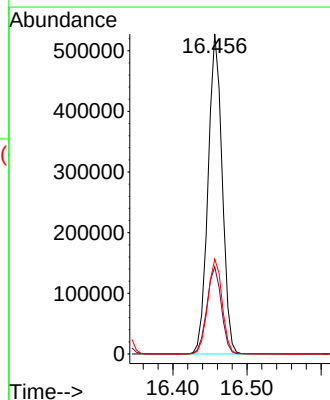
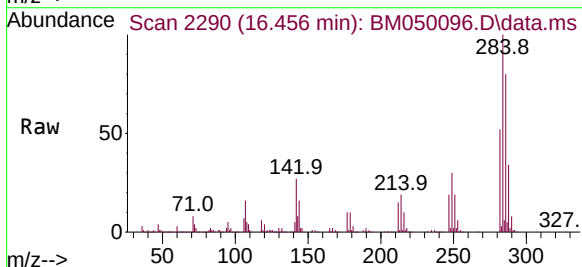
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

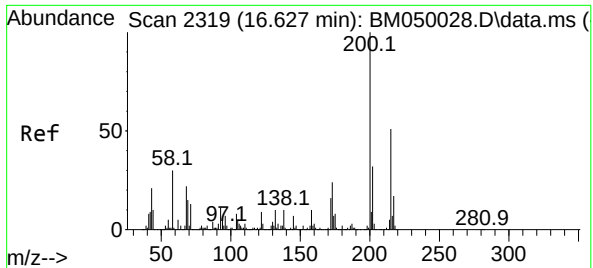
Tgt Ion:248 Resp: 603599
Ion Ratio Lower Upper
248 100
250 97.5 76.2 114.2
141 55.3 45.9 68.9



#68
Hexachlorobenzene
Concen: 37.471 ng
RT: 16.456 min Scan# 2290
Delta R.T. -0.012 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

Tgt Ion:284 Resp: 697206
Ion Ratio Lower Upper
284 100
142 27.3 23.9 35.9
249 29.7 24.5 36.7

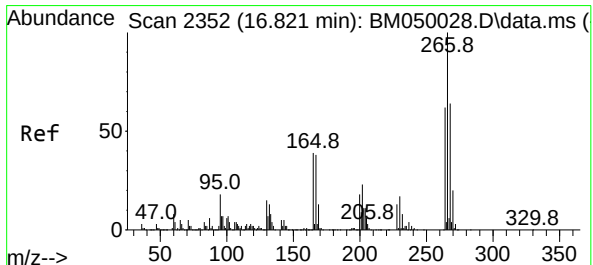
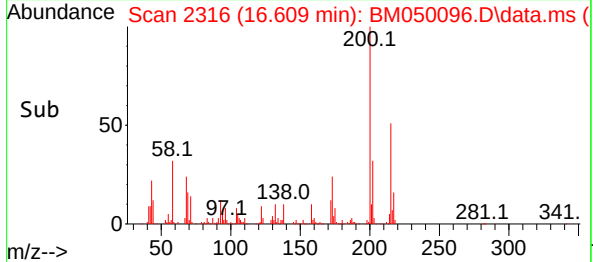
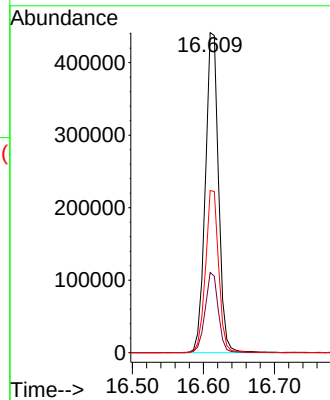
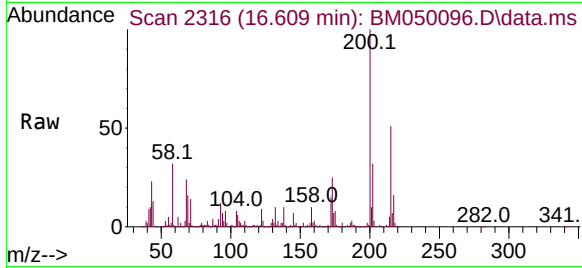




#69
Atrazine
Concen: 38.676 ng
RT: 16.609 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

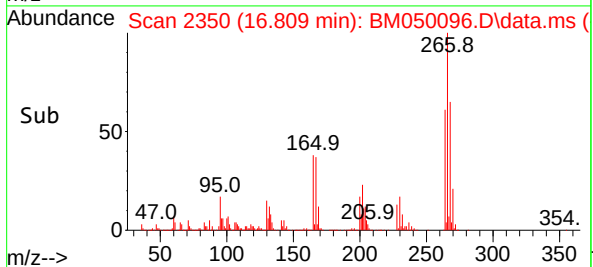
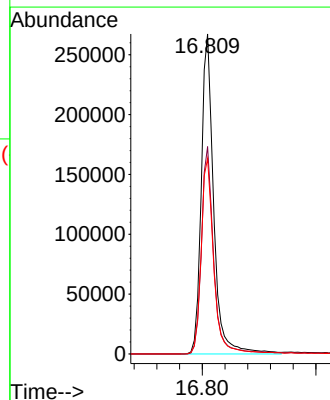
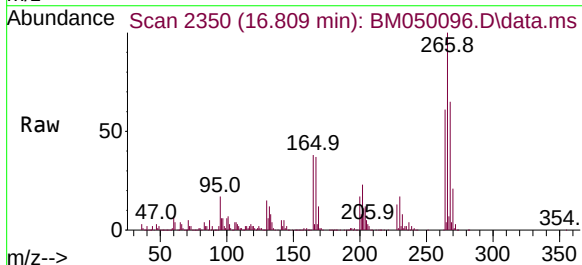
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

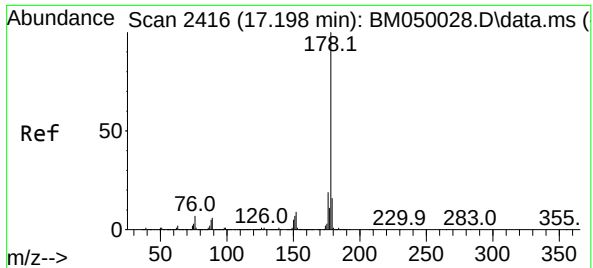
Tgt Ion:200 Resp: 571836
Ion Ratio Lower Upper
200 100
173 25.1 4.3 44.3
215 50.7 30.6 70.6



#70
Pentachlorophenol
Concen: 38.816 ng
RT: 16.809 min Scan# 2350
Delta R.T. -0.012 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

Tgt Ion:266 Resp: 406540
Ion Ratio Lower Upper
266 100
268 64.8 51.2 76.8
264 61.0 49.6 74.4

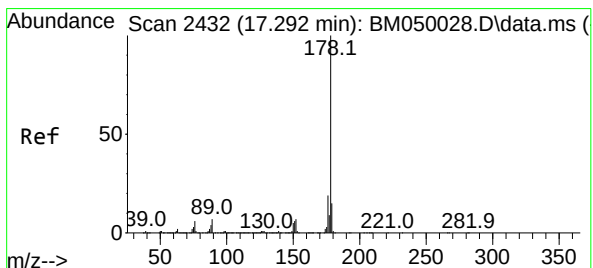
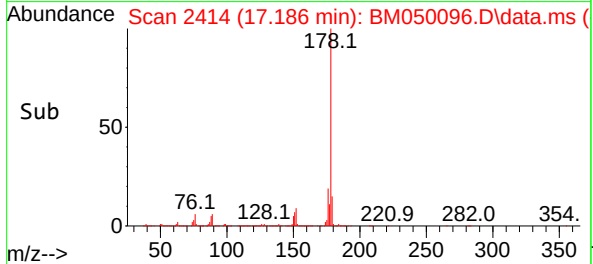
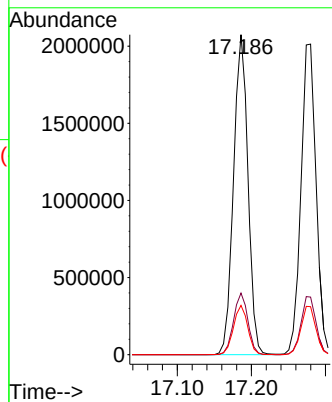
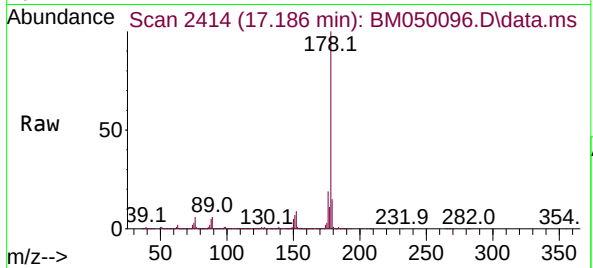




#71
Phenanthrene
Concen: 37.219 ng
RT: 17.186 min Scan# 2416
Delta R.T. -0.012 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

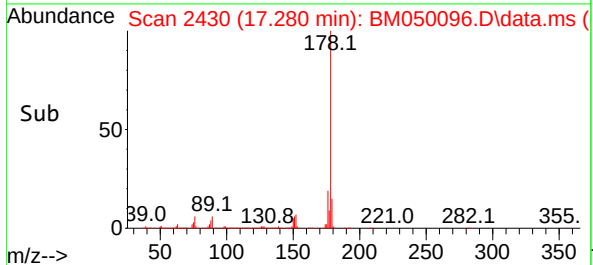
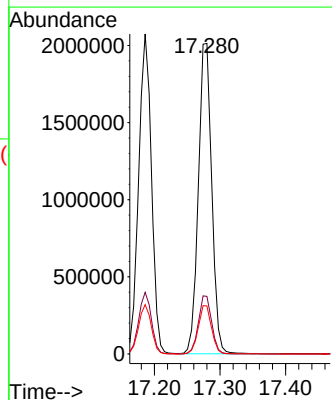
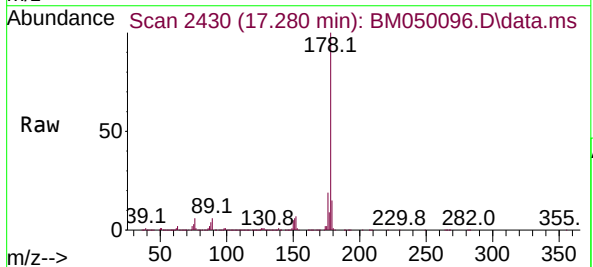
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

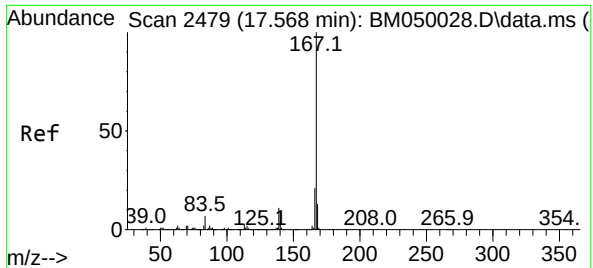
Tgt Ion:178 Resp: 2802096
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.4 12.4 18.6



#72
Anthracene
Concen: 37.595 ng
RT: 17.280 min Scan# 2430
Delta R.T. -0.012 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

Tgt Ion:178 Resp: 2864342
Ion Ratio Lower Upper
178 100
176 18.5 15.0 22.4
179 15.5 12.2 18.4

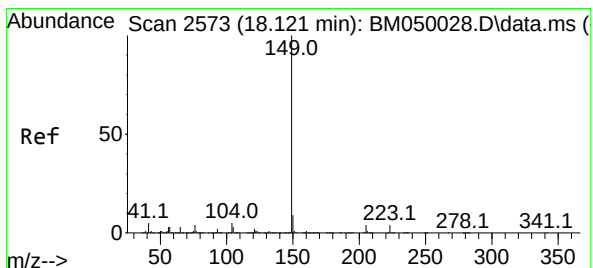
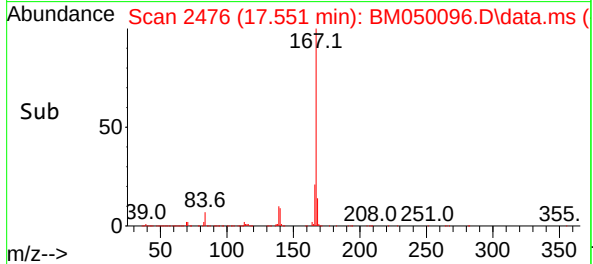
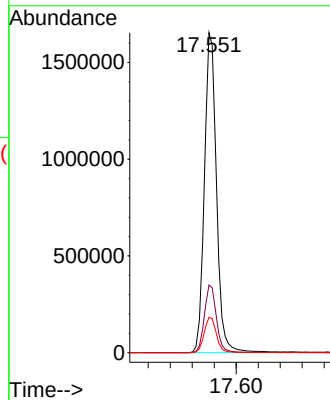
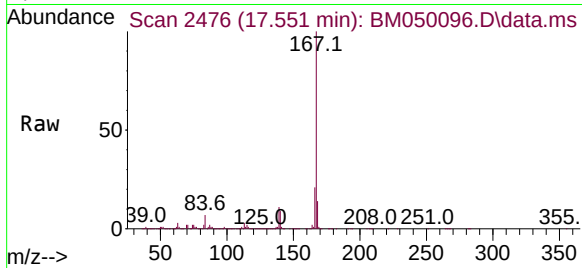




#73
Carbazole
Concen: 38.159 ng
RT: 17.551 min Scan# 2479
Delta R.T. -0.018 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

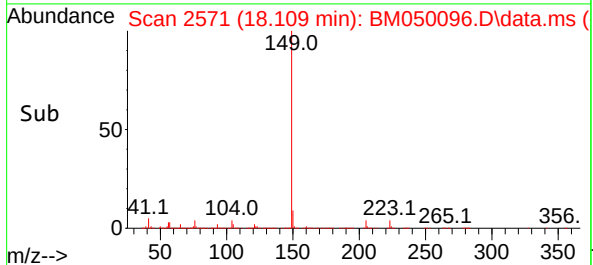
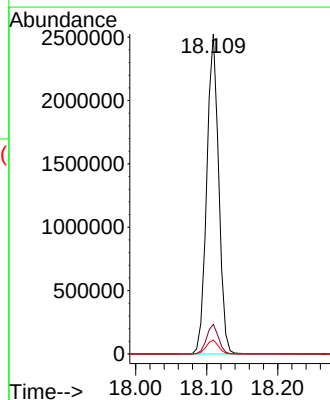
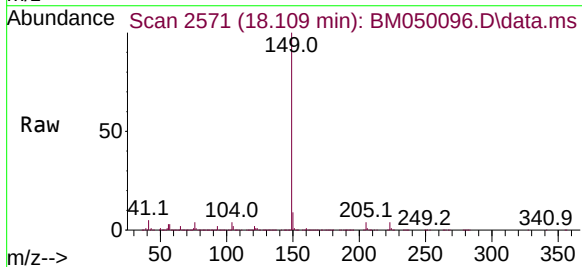
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

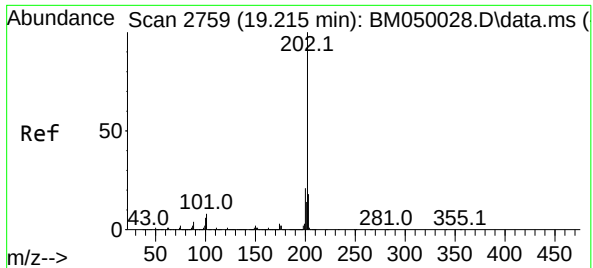
Tgt Ion:167 Resp: 2522772
Ion Ratio Lower Upper
167 100
166 21.2 17.2 25.8
139 11.1 9.0 13.6



#74
Di-n-butylphthalate
Concen: 37.453 ng
RT: 18.109 min Scan# 2571
Delta R.T. -0.012 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

Tgt Ion:149 Resp: 2948729
Ion Ratio Lower Upper
149 100
150 9.3 7.3 10.9
104 4.4 3.8 5.6

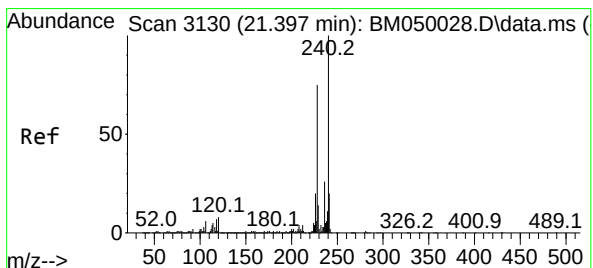
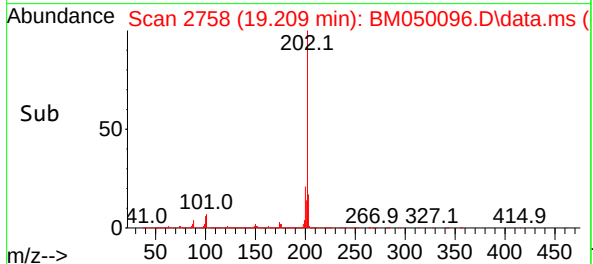
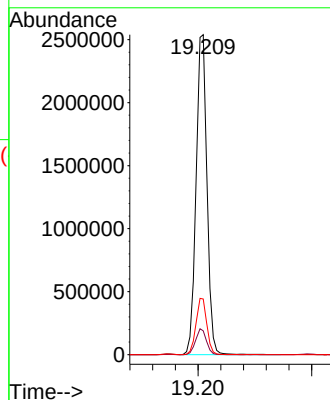
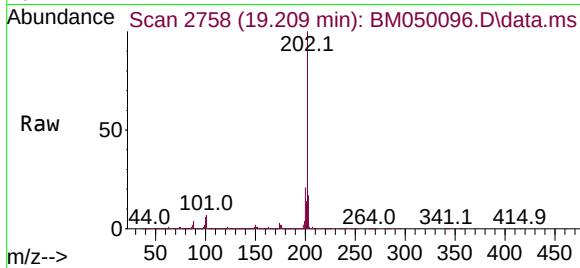




#75
Fluoranthene
Concen: 38.339 ng
RT: 19.209 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

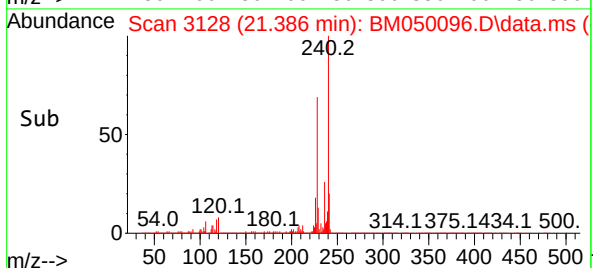
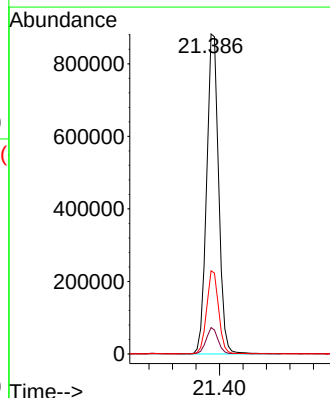
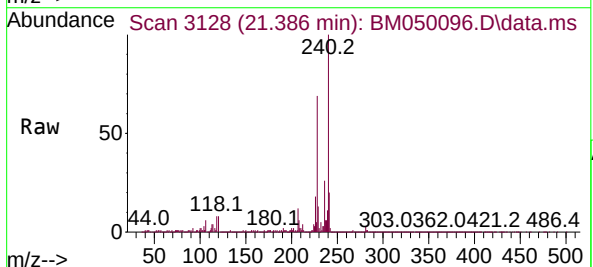
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

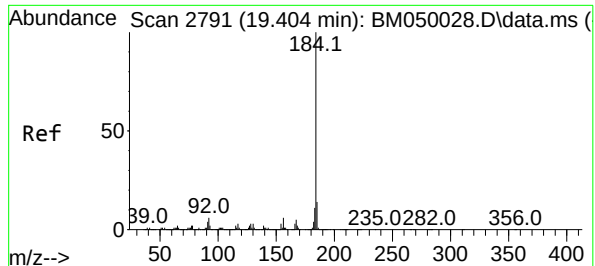
Tgt Ion:202 Resp: 3388771
Ion Ratio Lower Upper
202 100
101 7.5 0.0 28.0
203 17.4 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.386 min Scan# 3128
Delta R.T. -0.011 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

Tgt Ion:240 Resp: 1249729
Ion Ratio Lower Upper
240 100
120 8.3 6.5 9.7
236 26.0 20.9 31.3





#77

Benzidine

Concen: 39.848 ng

RT: 19.392 min Scan# 21

Delta R.T. -0.012 min

Lab File: BM050096.D

Acq: 05 May 2025 12:18

Instrument :

BNA_M

ClientSampleId :

SSTDCCC040

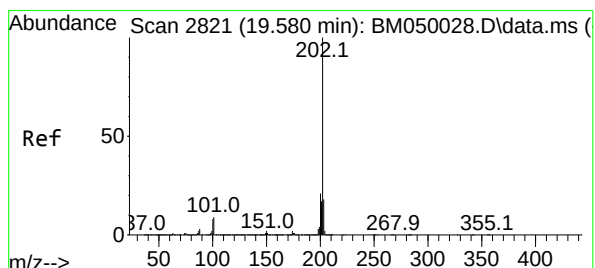
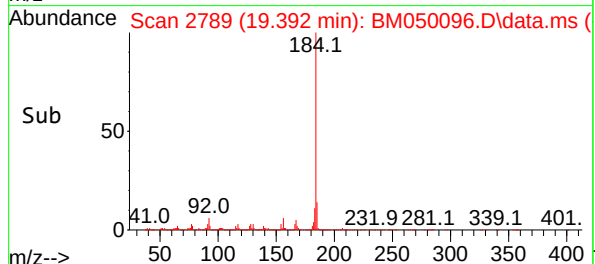
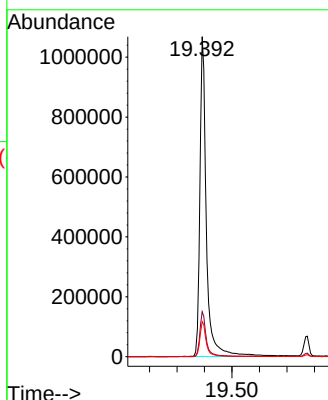
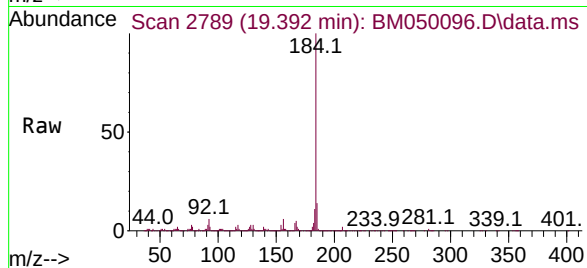
Tgt Ion:184 Resp: 1768881

Ion Ratio Lower Upper

184 100

185 14.1 11.5 17.3

183 11.0 8.9 13.3



#78

Pyrene

Concen: 39.422 ng

RT: 19.568 min Scan# 2819

Delta R.T. -0.012 min

Lab File: BM050096.D

Acq: 05 May 2025 12:18

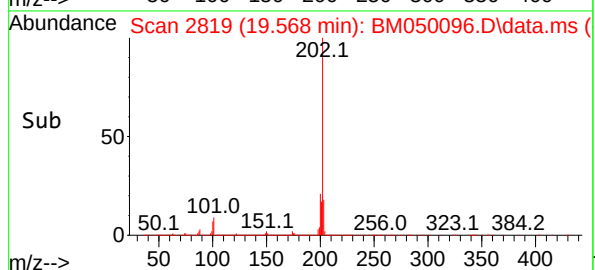
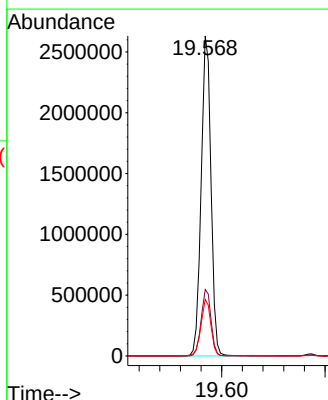
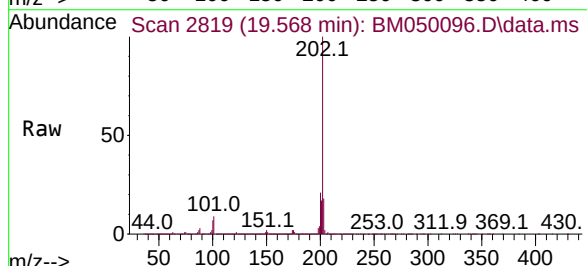
Tgt Ion:202 Resp: 3459686

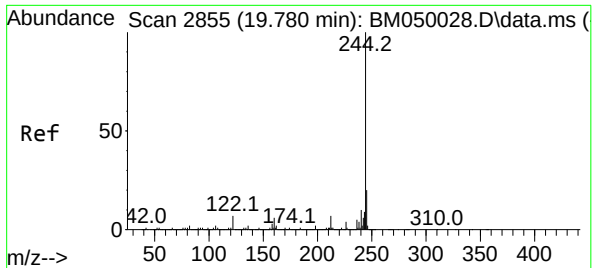
Ion Ratio Lower Upper

202 100

200 20.7 16.7 25.1

203 17.7 14.1 21.1

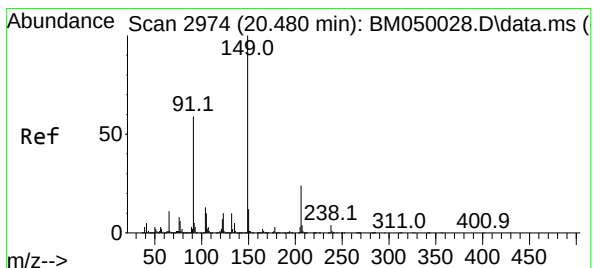
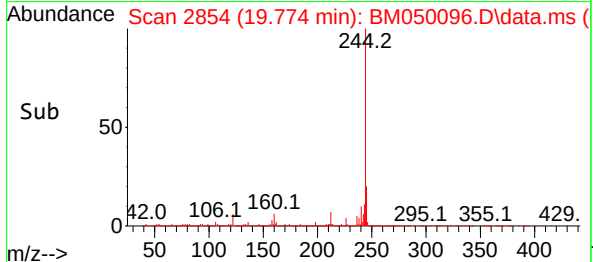
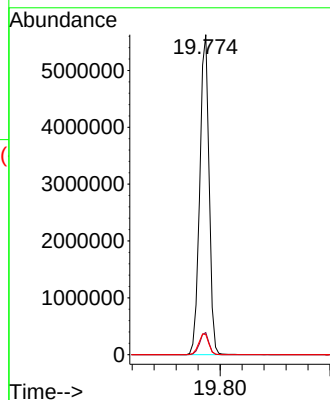
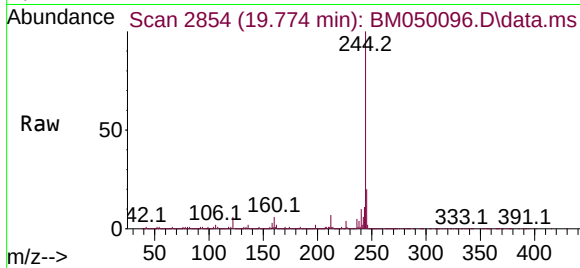




#79
Terphenyl-d14
Concen: 78.622 ng
RT: 19.774 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

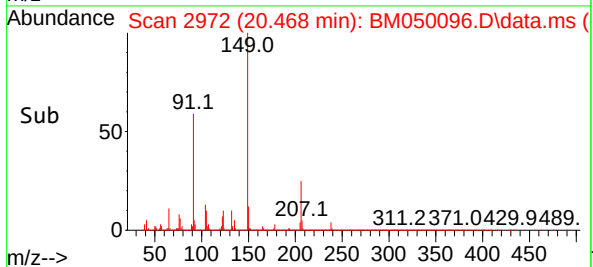
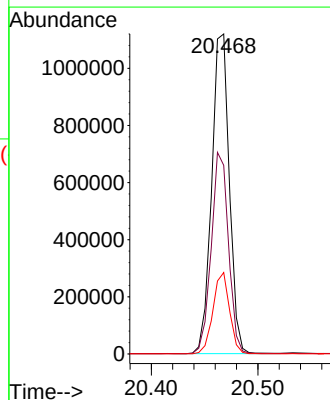
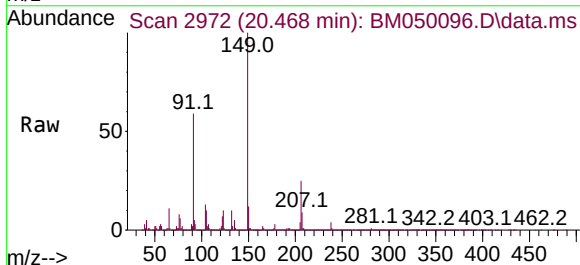
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

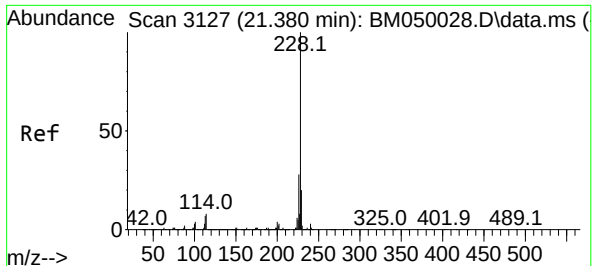
Tgt Ion:244 Resp: 6640114
Ion Ratio Lower Upper
244 100
212 6.9 5.6 8.4
122 6.2 5.6 8.4



#80
Butylbenzylphthalate
Concen: 39.083 ng
RT: 20.468 min Scan# 2972
Delta R.T. -0.012 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

Tgt Ion:149 Resp: 1284636
Ion Ratio Lower Upper
149 100
91 59.0 47.4 71.2
206 25.4 19.4 29.0

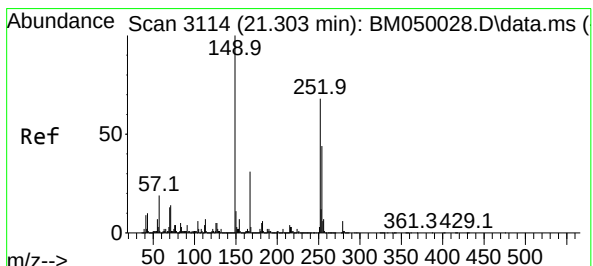
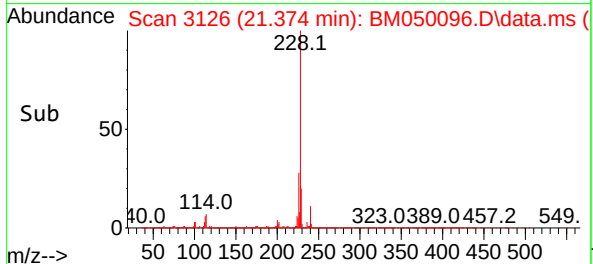
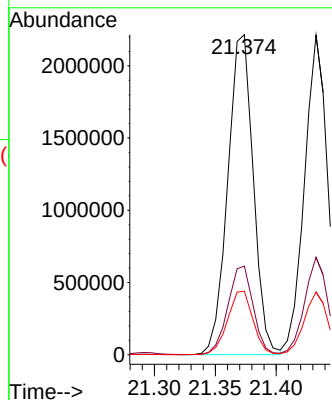
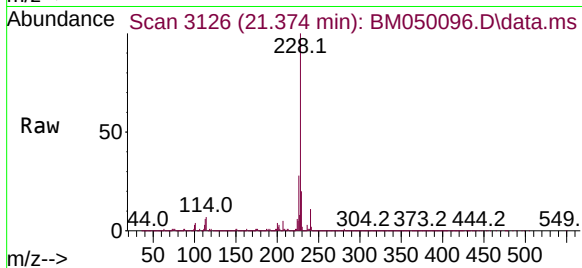




#81
Benzo(a)anthracene
Concen: 37.585 ng
RT: 21.374 min Scan# 3126
Delta R.T. -0.006 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

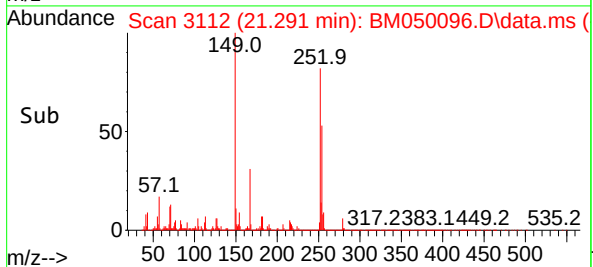
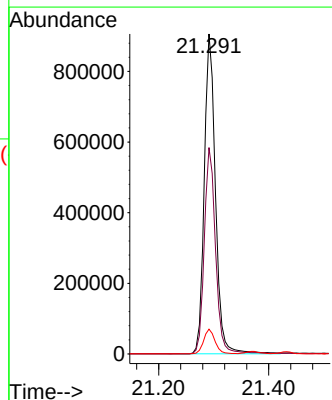
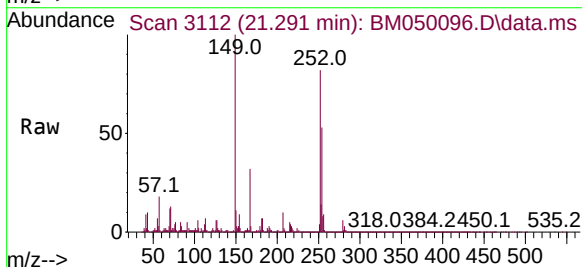
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

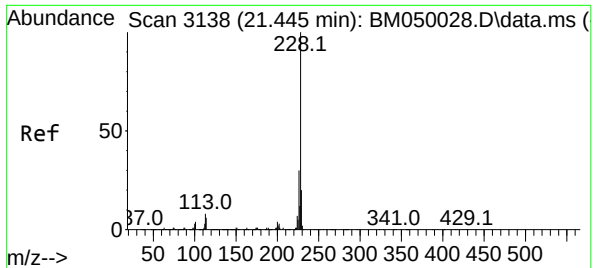
Tgt Ion:228 Resp: 3234550
Ion Ratio Lower Upper
228 100
226 27.7 22.1 33.1
229 19.8 15.7 23.5



#82
3,3'-Dichlorobenzidine
Concen: 38.964 ng
RT: 21.291 min Scan# 3112
Delta R.T. -0.012 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

Tgt Ion:252 Resp: 1283648
Ion Ratio Lower Upper
252 100
254 64.5 51.8 77.6
126 7.7 6.0 9.0

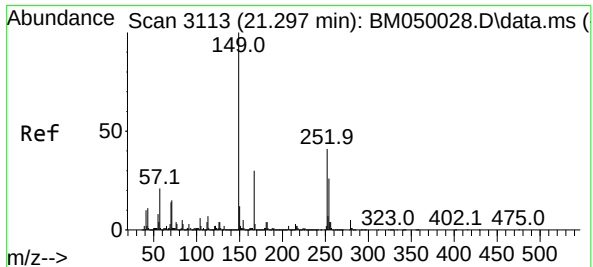
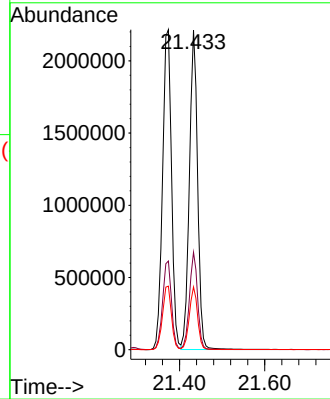
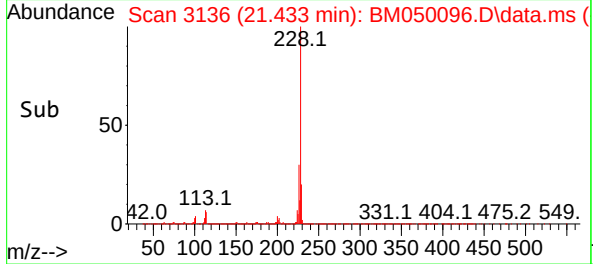
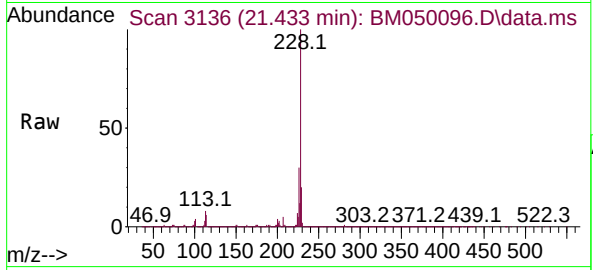




#83
Chrysene
Concen: 37.189 ng
RT: 21.433 min Scan# 3111
Delta R.T. -0.012 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

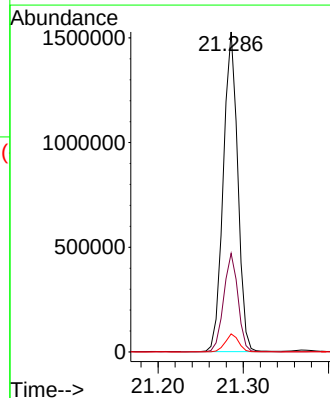
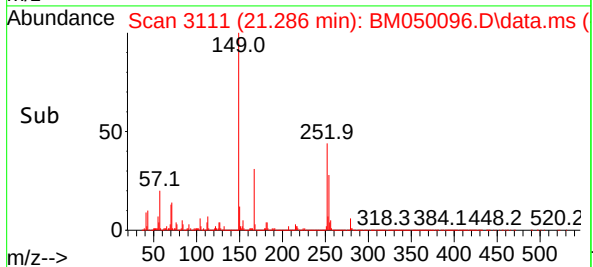
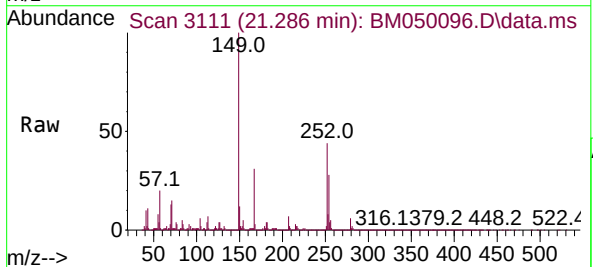
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

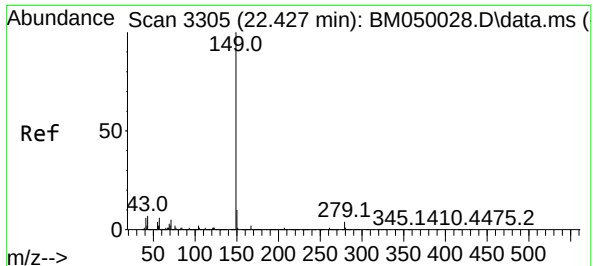
Tgt Ion:228 Resp: 2962136
Ion Ratio Lower Upper
228 100
226 30.5 24.2 36.2
229 19.6 15.7 23.5



#84
Bis(2-ethylhexyl)phthalate
Concen: 36.699 ng
RT: 21.286 min Scan# 3111
Delta R.T. -0.012 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

Tgt Ion:149 Resp: 1801797
Ion Ratio Lower Upper
149 100
167 30.8 24.1 36.1
279 5.7 3.9 5.9

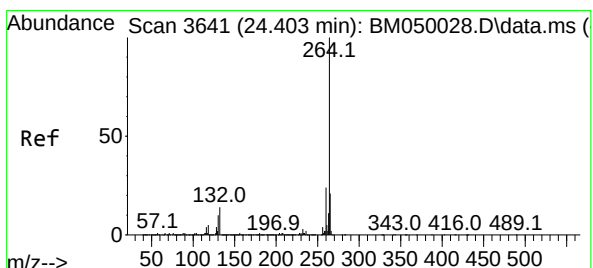
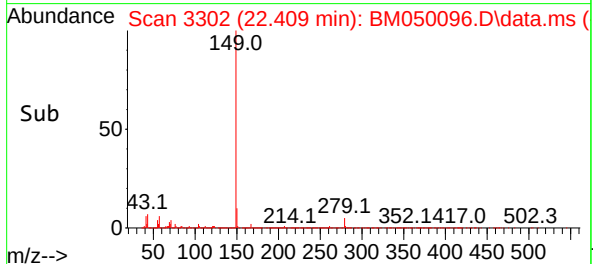
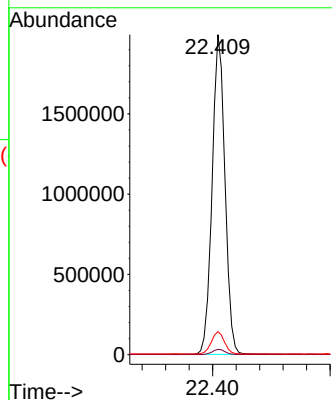
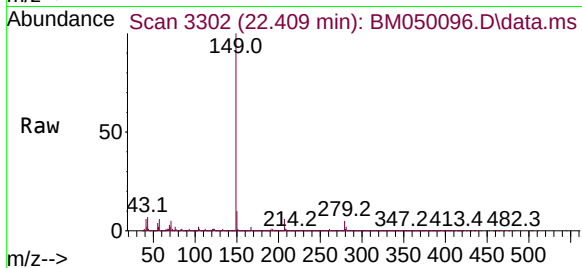




#85
Di-n-octyl phthalate
Concen: 37.178 ng
RT: 22.409 min Scan# 31
Delta R.T. -0.018 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

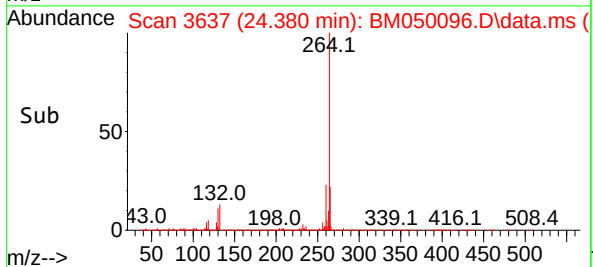
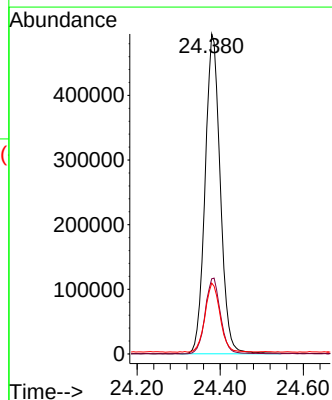
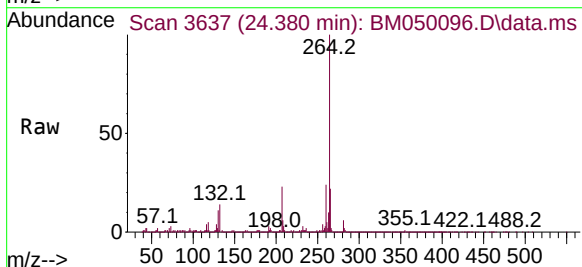
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

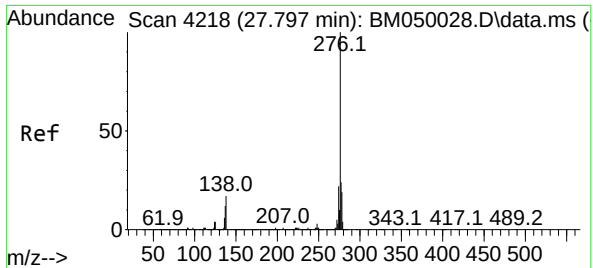
Tgt Ion:149 Resp: 3010178
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 7.1 5.8 8.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.380 min Scan# 3637
Delta R.T. -0.024 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

Tgt Ion:264 Resp: 1253431
Ion Ratio Lower Upper
264 100
260 23.5 18.8 28.2
265 22.1 17.0 25.4

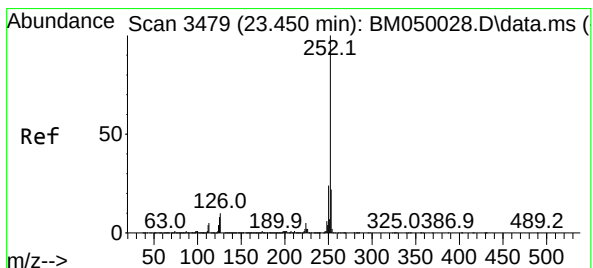
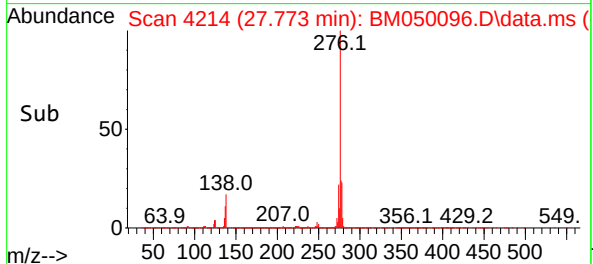
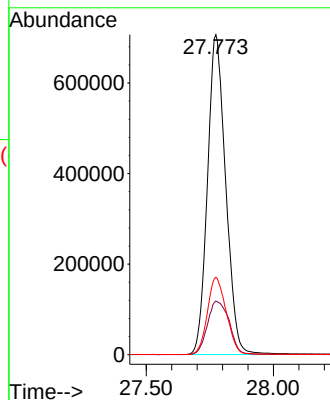
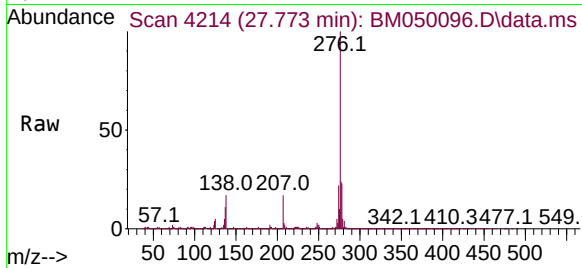




#87
Indeno(1,2,3-cd)pyrene
Concen: 37.708 ng
RT: 27.773 min Scan# 41
Delta R.T. -0.024 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

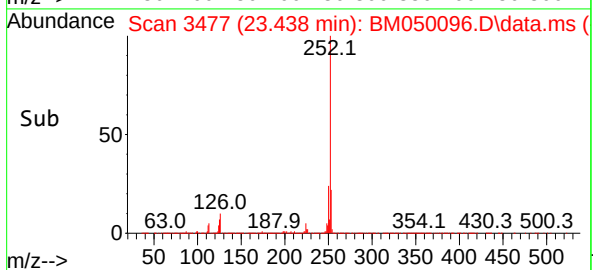
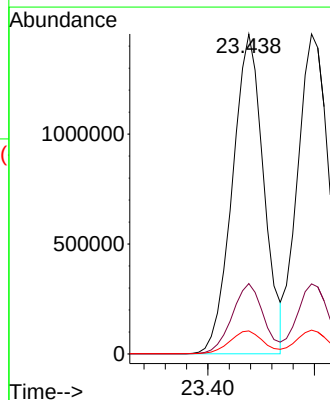
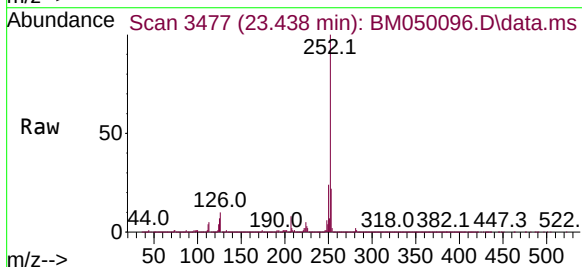
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

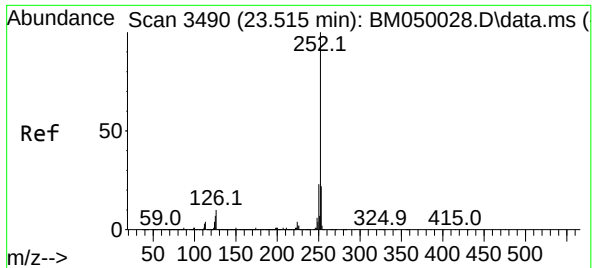
Tgt Ion:276 Resp: 3521793
Ion Ratio Lower Upper
276 100
138 19.8 16.4 24.6
277 25.0 19.8 29.8



#88
Benzo(b)fluoranthene
Concen: 36.480 ng
RT: 23.438 min Scan# 3477
Delta R.T. -0.012 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

Tgt Ion:252 Resp: 2973664
Ion Ratio Lower Upper
252 100
253 22.0 17.7 26.5
125 7.2 6.1 9.1





#89

Benzo(k)fluoranthene

Concen: 36.097 ng

RT: 23.497 min Scan# 34

Delta R.T. -0.018 min

Lab File: BM050096.D

Acq: 05 May 2025 12:18

Instrument :

BNA_M

ClientSampleId :

SSTDCCC040

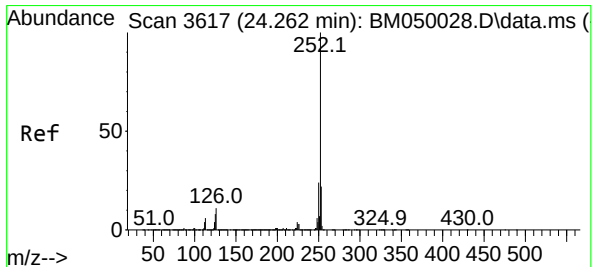
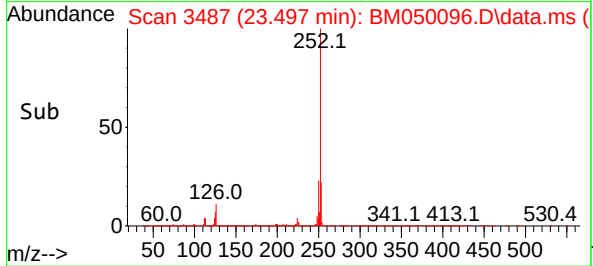
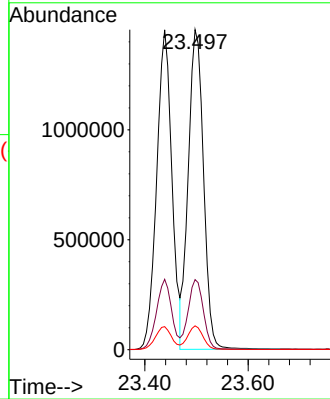
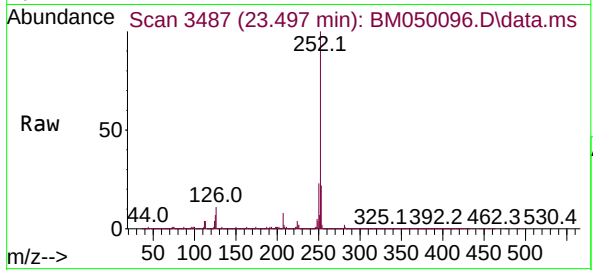
Tgt Ion:252 Resp: 2976318

Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.2

125 7.5 5.8 8.8



#90

Benzo(a)pyrene

Concen: 37.436 ng

RT: 24.244 min Scan# 3614

Delta R.T. -0.018 min

Lab File: BM050096.D

Acq: 05 May 2025 12:18

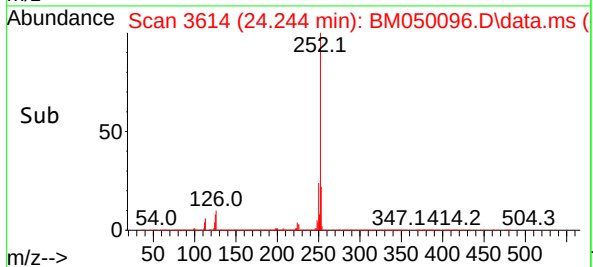
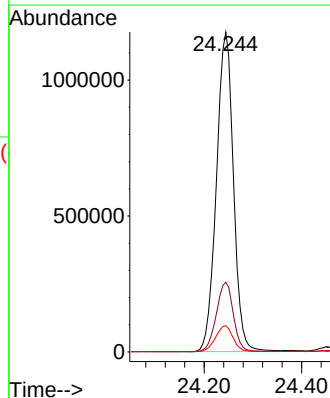
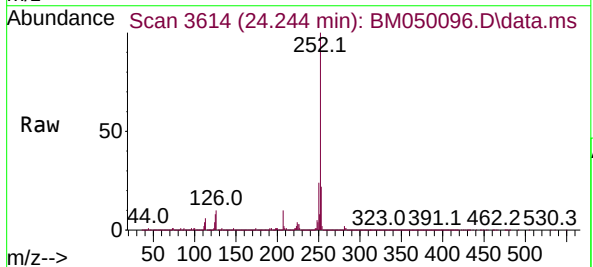
Tgt Ion:252 Resp: 2858100

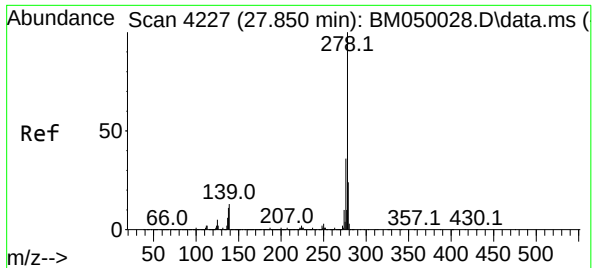
Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.0

125 8.2 6.6 9.8

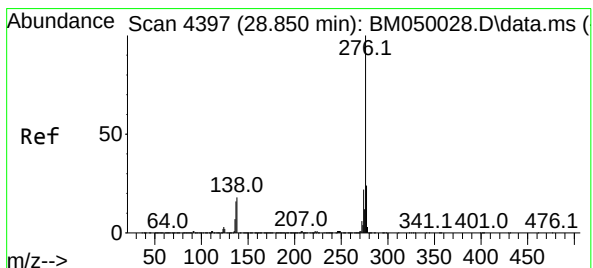
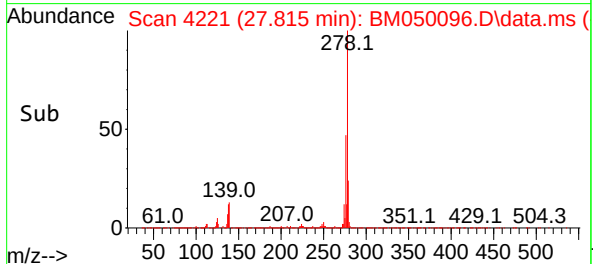
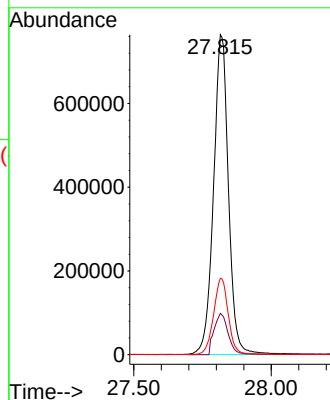
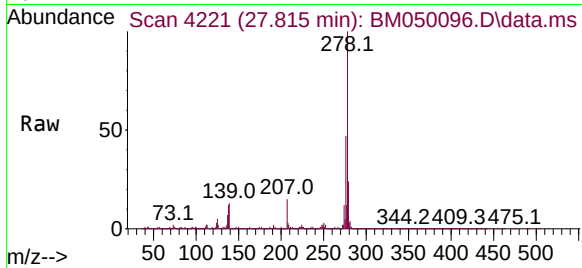




#91
Dibenzo(a,h)anthracene
Concen: 37.873 ng
RT: 27.815 min Scan# 41
Delta R.T. -0.035 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

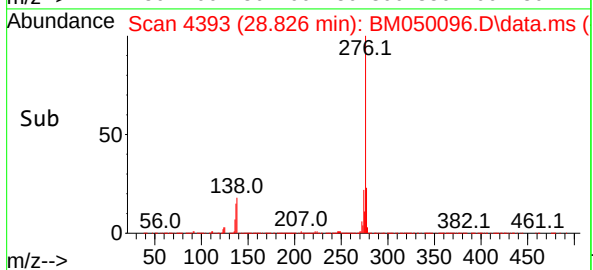
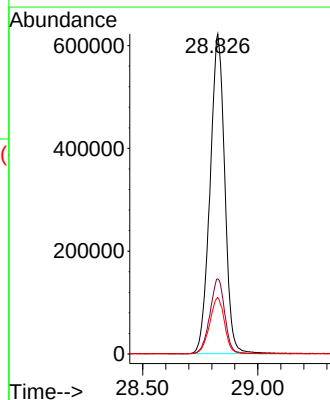
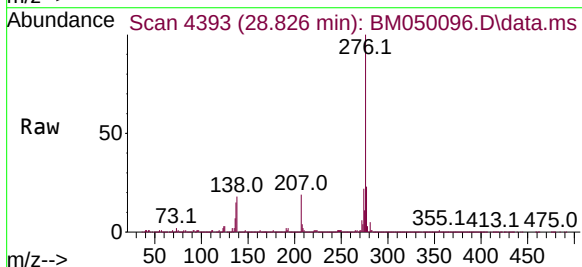
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 2883384
Ion Ratio Lower Upper
278 100
139 12.9 10.5 15.7
279 23.9 19.4 29.0



#92
Benzo(g,h,i)perylene
Concen: 37.799 ng
RT: 28.826 min Scan# 4393
Delta R.T. -0.024 min
Lab File: BM050096.D
Acq: 05 May 2025 12:18

Tgt Ion:276 Resp: 2755094
Ion Ratio Lower Upper
276 100
277 23.5 19.1 28.7
138 17.7 14.3 21.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050525\
 Data File : BM050096.D
 Acq On : 05 May 2025 12:18
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 LabSampleId :
 SSTDCCC040

Quant Time: May 05 13:18:36 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 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	105	-0.02
2	1,4-Dioxane	0.490	0.440	10.2	91	-0.02
3	Pyridine	1.258	1.210	3.8	96	-0.02
4	n-Nitrosodimethylamine	0.493	0.461	6.5	93	-0.02
5 S	2-Fluorophenol	1.142	1.095	4.1	95	-0.02
6	Aniline	1.813	1.770	2.4	96	-0.02
7 S	Phenol-d6	1.436	1.417	1.3	97	-0.02
8	2-Chlorophenol	1.235	1.197	3.1	96	-0.02
9	Benzaldehyde	0.961	0.917	4.6	94	-0.02
10 C	Phenol	1.453	1.425	1.9	97	-0.02
11	bis(2-Chloroethyl)ether	1.213	1.144	5.7	94	-0.02
12	1,3-Dichlorobenzene	1.492	1.404	5.9	94	-0.02
13 C	1,4-Dichlorobenzene	1.499	1.413	5.7	95	-0.02
14	1,2-Dichlorobenzene	1.448	1.363	5.9	94	-0.02
15	Benzyl Alcohol	0.996	1.018	-2.2	99	-0.02
16	2,2'-oxybis(1-Chloropropane	1.475	1.399	5.2	95	-0.02
17	2-Methylphenol	0.957	0.951	0.6	97	-0.01
18	Hexachloroethane	0.533	0.498	6.6	94	-0.02
19 P	n-Nitroso-di-n-propylamine	0.921	0.922	-0.1	97	-0.02
20	3+4-Methylphenols	1.293	1.307	-1.1	99	-0.02
21 I	Naphthalene-d8	1.000	1.000	0.0	109	-0.02
22	Acetophenone	0.497	0.471	5.2	96	-0.02
23 S	Nitrobenzene-d5	0.406	0.383	5.7	96	-0.02
24	Nitrobenzene	0.351	0.331	5.7	96	-0.02
25	Isophorone	0.692	0.662	4.3	99	-0.02
26 C	2-Nitrophenol	0.179	0.181	-1.1	100	-0.02
27	2,4-Dimethylphenol	0.297	0.291	2.0	98	-0.02
28	bis(2-Chloroethoxy)methane	0.428	0.405	5.4	97	-0.02
29 C	2,4-Dichlorophenol	0.333	0.330	0.9	99	-0.02
30	1,2,4-Trichlorobenzene	0.406	0.380	6.4	97	-0.02
31	Naphthalene	1.013	0.951	6.1	97	-0.02
32	Benzoic acid	0.190	0.198	-4.2	109	0.00
33	4-Chloroaniline	0.415	0.407	1.9	101	-0.02
34 C	Hexachlorobutadiene	0.258	0.238	7.8	96	-0.02
35	Caprolactam	0.097	0.100	-3.1	104	-0.02
36 C	4-Chloro-3-methylphenol	0.308	0.301	2.3	101	-0.01
37	2-Methylnaphthalene	0.679	0.646	4.9	99	-0.02
38	1-Methylnaphthalene	0.719	0.679	5.6	98	-0.02
39 I	Acenaphthene-d10	1.000	1.000	0.0	112	-0.01
40	1,2,4,5-Tetrachlorobenzene	0.692	0.652	5.8	98	-0.02
41 P	Hexachlorocyclopentadiene	0.423	0.376	11.1	93	-0.02
42 S	2,4,6-Tribromophenol	0.296	0.291	1.7	103	-0.01
43 C	2,4,6-Trichlorophenol	0.439	0.433	1.4	102	-0.02
44	2,4,5-Trichlorophenol	0.474	0.469	1.1	102	-0.01
45 S	2-Fluorobiphenyl	1.691	1.567	7.3	97	-0.02
46	1,1'-Biphenyl	1.487	1.376	7.5	98	-0.02
47	2-Chloronaphthalene	1.177	1.088	7.6	98	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050525\
 Data File : BM050096.D
 Acq On : 05 May 2025 12:18
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 LabSampleId :
 SSTDCCC040

Quant Time: May 05 13:18:36 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 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	0.276	0.274	0.7	102	-0.02
49	Acenaphthylene	1.857	1.741	6.2	99	-0.02
50	Dimethylphthalate	1.462	1.361	6.9	100	-0.01
51	2,6-Dinitrotoluene	0.303	0.297	2.0	102	-0.02
52 C	Acenaphthene	1.075	0.996	7.3	99	-0.02
53	3-Nitroaniline	0.289	0.294	-1.7	103	-0.02
54 P	2,4-Dinitrophenol	0.164	0.171	-4.3	108	-0.01
55	Dibenzofuran	1.788	1.672	6.5	100	-0.01
56 P	4-Nitrophenol	0.205	0.212	-3.4	106	-0.01
57	2,4-Dinitrotoluene	0.418	0.417	0.2	103	-0.01
58	Fluorene	1.463	1.372	6.2	99	-0.02
59	2,3,4,6-Tetrachlorophenol	0.410	0.399	2.7	103	-0.01
60	Diethylphthalate	1.377	1.270	7.8	99	-0.01
61	4-Chlorophenyl-phenylether	0.804	0.753	6.3	99	-0.02
62	4-Nitroaniline	0.279	0.293	-5.0	105	-0.01
63	Azobenzene	1.154	1.071	7.2	99	-0.01
64 I	Phenanthrene-d10	1.000	1.000	0.0	115	-0.01
65	4,6-Dinitro-2-methylphenol	0.125	0.125	0.0	106	-0.01
66 c	n-Nitrosodiphenylamine	0.614	0.580	5.5	102	-0.01
67	4-Bromophenyl-phenylether	0.242	0.226	6.6	101	-0.01
68	Hexachlorobenzene	0.279	0.261	6.5	102	-0.01
69	Atrazine	0.222	0.214	3.6	104	-0.02
70 C	Pentachlorophenol	0.157	0.152	3.2	105	-0.01
71	Phenanthrene	1.128	1.050	6.9	101	-0.01
72	Anthracene	1.142	1.073	6.0	101	-0.01
73	Carbazole	0.991	0.945	4.6	103	-0.02
74	Di-n-butylphthalate	1.180	1.105	6.4	102	-0.01
75 C	Fluoranthene	1.324	1.269	4.2	103	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	112	-0.01
77	Benzidine	0.710	0.708	0.3	103	-0.01
78	Pyrene	1.404	1.384	1.4	102	-0.01
79 S	Terphenyl-d14	1.352	1.328	1.8	98	0.00
80	Butylbenzylphthalate	0.526	0.514	2.3	103	-0.01
81	Benzo(a)anthracene	1.377	1.294	6.0	98	0.00
82	3,3'-Dichlorobenzidine	0.527	0.514	2.5	99	-0.01
83	Chrysene	1.275	1.185	7.1	99	-0.01
84	Bis(2-ethylhexyl)phthalate	0.786	0.721	8.3	96	-0.01
85 c	Di-n-octyl phthalate	1.296	1.204	7.1	99	-0.02
86 I	Perylene-d12	1.000	1.000	0.0	117	-0.02
87	Indeno(1,2,3-cd)pyrene	1.490	1.405	5.7	103	-0.02
88	Benzo(b)fluoranthene	1.301	1.186	8.8	99	-0.01
89	Benzo(k)fluoranthene	1.316	1.187	9.8	100	-0.02
90 C	Benzo(a)pyrene	1.218	1.140	6.4	103	-0.02
91	Dibenzo(a,h)anthracene	1.215	1.150	5.3	103	-0.04
92	Benzo(g,h,i)perylene	1.163	1.099	5.5	104	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050525\
Data File : BM050096.D
Acq On : 05 May 2025 12:18
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: May 05 13:18:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area	% Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050525\
 Data File : BM050096.D
 Acq On : 05 May 2025 12:18
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 LabSampleId :
 SSTDCCC040

Quant Time: May 05 13:18:36 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 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	105	-0.02
2	1,4-Dioxane	40.000	35.976	10.1	91	-0.02
3	Pyridine	40.000	38.453	3.9	96	-0.02
4	n-Nitrosodimethylamine	40.000	37.372	6.6	93	-0.02
5 S	2-Fluorophenol	80.000	76.675	4.2	95	-0.02
6	Aniline	40.000	39.051	2.4	96	-0.02
7 S	Phenol-d6	80.000	78.959	1.3	97	-0.02
8	2-Chlorophenol	40.000	38.778	3.1	96	-0.02
9	Benzaldehyde	40.000	38.194	4.5	94	-0.02
10 C	Phenol	40.000	39.230	1.9	97	-0.02
11	bis(2-Chloroethyl)ether	40.000	37.722	5.7	94	-0.02
12	1,3-Dichlorobenzene	40.000	37.650	5.9	94	-0.02
13 C	1,4-Dichlorobenzene	40.000	37.725	5.7	95	-0.02
14	1,2-Dichlorobenzene	40.000	37.671	5.8	94	-0.02
15	Benzyl Alcohol	40.000	40.911	-2.3	99	-0.02
16	2,2'-oxybis(1-Chloropropane	40.000	37.940	5.2	95	-0.02
17	2-Methylphenol	40.000	39.731	0.7	97	-0.01
18	Hexachloroethane	40.000	37.387	6.5	94	-0.02
19 P	n-Nitroso-di-n-propylamine	40.000	40.068	-0.2	97	-0.02
20	3+4-Methylphenols	40.000	40.424	-1.1	99	-0.02
21 I	Naphthalene-d8	20.000	20.000	0.0	109	-0.02
22	Acetophenone	40.000	37.853	5.4	96	-0.02
23 S	Nitrobenzene-d5	80.000	75.486	5.6	96	-0.02
24	Nitrobenzene	40.000	37.711	5.7	96	-0.02
25	Isophorone	40.000	38.272	4.3	99	-0.02
26 C	2-Nitrophenol	40.000	40.391	-1.0	100	-0.02
27	2,4-Dimethylphenol	40.000	39.207	2.0	98	-0.02
28	bis(2-Chloroethoxy)methane	40.000	37.911	5.2	97	-0.02
29 C	2,4-Dichlorophenol	40.000	39.667	0.8	99	-0.02
30	1,2,4-Trichlorobenzene	40.000	37.455	6.4	97	-0.02
31	Naphthalene	40.000	37.558	6.1	97	-0.02
32	Benzoic acid	40.000	41.598	-4.0	109	0.00
33	4-Chloroaniline	40.000	39.262	1.8	101	-0.02
34 C	Hexachlorobutadiene	40.000	36.955	7.6	96	-0.02
35	Caprolactam	40.000	41.235	-3.1	104	-0.02
36 C	4-Chloro-3-methylphenol	40.000	39.178	2.1	101	-0.01
37	2-Methylnaphthalene	40.000	38.059	4.9	99	-0.02
38	1-Methylnaphthalene	40.000	37.796	5.5	98	-0.02
39 I	Acenaphthene-d10	20.000	20.000	0.0	112	-0.01
40	1,2,4,5-Tetrachlorobenzene	40.000	37.664	5.8	98	-0.02
41 P	Hexachlorocyclopentadiene	40.000	35.546	11.1	93	-0.02
42 S	2,4,6-Tribromophenol	80.000	78.767	1.5	103	-0.01
43 C	2,4,6-Trichlorophenol	40.000	39.402	1.5	102	-0.02
44	2,4,5-Trichlorophenol	40.000	39.588	1.0	102	-0.01
45 S	2-Fluorobiphenyl	80.000	74.166	7.3	97	-0.02
46	1,1'-Biphenyl	40.000	37.011	7.5	98	-0.02
47	2-Chloronaphthalene	40.000	36.973	7.6	98	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050525\
 Data File : BM050096.D
 Acq On : 05 May 2025 12:18
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 LabSampleId :
 SSTDCCC040

Quant Time: May 05 13:18:36 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 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	39.633	0.9	102	-0.02
49	Acenaphthylene	40.000	37.514	6.2	99	-0.02
50	Dimethylphthalate	40.000	37.233	6.9	100	-0.01
51	2,6-Dinitrotoluene	40.000	39.208	2.0	102	-0.02
52 C	Acenaphthene	40.000	37.091	7.3	99	-0.02
53	3-Nitroaniline	40.000	40.707	-1.8	103	-0.02
54 P	2,4-Dinitrophenol	40.000	38.565	3.6	108	-0.01
55	Dibenzofuran	40.000	37.408	6.5	100	-0.01
56 P	4-Nitrophenol	40.000	38.524	3.7	106	-0.01
57	2,4-Dinitrotoluene	40.000	39.934	0.2	103	-0.01
58	Fluorene	40.000	37.511	6.2	99	-0.02
59	2,3,4,6-Tetrachlorophenol	40.000	38.984	2.5	103	-0.01
60	Diethylphthalate	40.000	36.893	7.8	99	-0.01
61	4-Chlorophenyl-phenylether	40.000	37.488	6.3	99	-0.02
62	4-Nitroaniline	40.000	42.051	-5.1	105	-0.01
63	Azobenzene	40.000	37.117	7.2	99	-0.01
64 I	Phenanthrene-d10	20.000	20.000	0.0	115	-0.01
65	4,6-Dinitro-2-methylphenol	40.000	39.962	0.1	106	-0.01
66 c	n-Nitrosodiphenylamine	40.000	37.777	5.6	102	-0.01
67	4-Bromophenyl-phenylether	40.000	37.394	6.5	101	-0.01
68	Hexachlorobenzene	40.000	37.471	6.3	102	-0.01
69	Atrazine	40.000	38.676	3.3	104	-0.02
70 C	Pentachlorophenol	40.000	38.816	3.0	105	-0.01
71	Phenanthrene	40.000	37.219	7.0	101	-0.01
72	Anthracene	40.000	37.595	6.0	101	-0.01
73	Carbazole	40.000	38.159	4.6	103	-0.02
74	Di-n-butylphthalate	40.000	37.453	6.4	102	-0.01
75 C	Fluoranthene	40.000	38.339	4.2	103	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	112	-0.01
77	Benzydine	40.000	39.848	0.4	103	-0.01
78	Pyrene	40.000	39.422	1.4	102	-0.01
79 S	Terphenyl-d14	80.000	78.622	1.7	98	0.00
80	Butylbenzylphthalate	40.000	39.083	2.3	103	-0.01
81	Benzo(a)anthracene	40.000	37.585	6.0	98	0.00
82	3,3'-Dichlorobenzidine	40.000	38.964	2.6	99	-0.01
83	Chrysene	40.000	37.189	7.0	99	-0.01
84	Bis(2-ethylhexyl)phthalate	40.000	36.699	8.3	96	-0.01
85 c	Di-n-octyl phthalate	40.000	37.178	7.1	99	-0.02
86 I	Perylene-d12	20.000	20.000	0.0	117	-0.02
87	Indeno(1,2,3-cd)pyrene	40.000	37.708	5.7	103	-0.02
88	Benzo(b)fluoranthene	40.000	36.480	8.8	99	-0.01
89	Benzo(k)fluoranthene	40.000	36.097	9.8	100	-0.02
90 C	Benzo(a)pyrene	40.000	37.436	6.4	103	-0.02
91	Dibenzo(a,h)anthracene	40.000	37.873	5.3	103	-0.04
92	Benzo(g,h,i)perylene	40.000	37.799	5.5	104	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050525\
Data File : BM050096.D
Acq On : 05 May 2025 12:18
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: May 05 13:18:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 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



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: SAXT01

Lab Code: CHEM Case No.: Q1938 SAS No.: Q1938 SDG No.: Q1938

Instrument ID: BNA_M Calibration Date/Time: 05/06/2025 10:03

Lab File ID: BM050112.D Init. Calib. Date(s): 04/28/2025 04/28/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:30 17:04

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.142	1.120		-1.9	
Benzaldehyde	0.961	0.902		-6.1	
Phenol-d6	1.436	1.382		-3.8	
Phenol	1.453	1.397		-3.9	20.0
bis(2-Chloroethyl)ether	1.214	1.118		-7.9	
2-Chlorophenol	1.235	1.182		-4.3	
2-Methylphenol	0.957	0.897		-6.3	
2,2-oxybis(1-Chloropropane)	1.475	1.386		-6.0	
Acetophenone	0.497	0.470		-5.4	
3+4-Methylphenols	1.293	1.216		-6.0	
n-Nitroso-di-n-propylamine	0.921	0.855	0.050	-7.2	
Nitrobenzene-d5	0.406	0.390		-3.9	
Hexachloroethane	0.533	0.495		-7.1	
Nitrobenzene	0.351	0.336		-4.3	
Isophorone	0.692	0.645		-6.8	
2-Nitrophenol	0.179	0.177		-1.1	20.0
2,4-Dimethylphenol	0.297	0.286		-3.7	
bis(2-Chloroethoxy)methane	0.428	0.397		-7.2	
2,4-Dichlorophenol	0.333	0.316		-5.1	20.0
Naphthalene	1.013	0.947		-6.5	
4-Chloroaniline	0.415	0.392		-5.5	
Hexachlorobutadiene	0.258	0.242		-6.2	20.0
Caprolactam	0.097	0.091		-6.2	
4-Chloro-3-methylphenol	0.308	0.286		-7.1	20.0
2-Methylnaphthalene	0.679	0.629		-7.4	
Hexachlorocyclopentadiene	0.423	0.367	0.050	-13.2	
2,4,6-Trichlorophenol	0.439	0.428		-2.5	20.0
2-Fluorobiphenyl	1.691	1.590		-6.0	
2,4,5-Trichlorophenol	0.474	0.455		-4.0	
1,1-Biphenyl	1.487	1.393		-6.3	
2-Chloronaphthalene	1.177	1.109		-5.8	
2-Nitroaniline	0.276	0.277		0.4	
Dimethylphthalate	1.462	1.356		-7.3	
Acenaphthylene	1.857	1.731		-6.8	
2,6-Dinitrotoluene	0.303	0.292		-3.6	
3-Nitroaniline	0.289	0.290		0.3	
Acenaphthene	1.075	0.994		-7.5	20.0
2,4-Dinitrophenol	0.164	0.149	0.050	-9.1	
4-Nitrophenol	0.205	0.187	0.050	-8.8	



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: SAXT01

Lab Code: CHEM Case No.: Q1938 SAS No.: Q1938 SDG No.: Q1938

Instrument ID: BNA_M Calibration Date/Time: 05/06/2025 10:03

Lab File ID: BM050112.D Init. Calib. Date(s): 04/28/2025 04/28/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:30 17:04

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.788	1.657		-7.3	
2,4-Dinitrotoluene	0.418	0.410		-1.9	
Diethylphthalate	1.377	1.259		-8.6	
4-Chlorophenyl-phenylether	0.804	0.740		-8.0	
Fluorene	1.463	1.361		-7.0	
4-Nitroaniline	0.279	0.283		1.4	
4,6-Dinitro-2-methylphenol	0.125	0.119		-4.8	
n-Nitrosodiphenylamine	0.614	0.578		-5.9	20.0
2,4,6-Tribromophenol	0.296	0.278		-6.1	
4-Bromophenyl-phenylether	0.242	0.225		-7.0	
Hexachlorobenzene	0.279	0.262		-6.1	
Atrazine	0.222	0.209		-5.9	
Pentachlorophenol	0.157	0.141		-10.2	20.0
Phenanthrene	1.128	1.052		-6.7	
Anthracene	1.142	1.080		-5.4	
Carbazole	0.991	0.951		-4.0	
Di-n-butylphthalate	1.180	1.109		-6.0	
Fluoranthene	1.324	1.260		-4.8	20.0
Pyrene	1.404	1.352		-3.7	
Terphenyl-d14	1.352	1.328		-1.8	
Butylbenzylphthalate	0.526	0.505		-4.0	
3,3-Dichlorobenzidine	0.527	0.513		-2.7	
Benzo (a) anthracene	1.377	1.297		-5.8	
Chrysene	1.275	1.182		-7.3	
Bis(2-ethylhexyl)phthalate	0.786	0.734		-6.6	
Di-n-octyl phthalate	1.296	1.210		-6.6	20.0
Benzo (b) fluoranthene	1.301	1.214		-6.7	
Benzo (k) fluoranthene	1.316	1.212		-7.9	
Benzo (a) pyrene	1.218	1.143		-6.2	20.0
Indeno (1,2,3-cd) pyrene	1.490	1.427		-4.2	
Dibenzo (a,h) anthracene	1.215	1.165		-4.1	
Benzo (g,h,i) perylene	1.163	1.111		-4.5	
1,2,4,5-Tetrachlorobenzene	0.692	0.660		-4.6	
1,4-Dioxane	0.490	0.475		-3.1	20.0
2,3,4,6-Tetrachlorophenol	0.410	0.384		-6.3	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
 Data File : BM050112.D
 Acq On : 06 May 2025 10:03
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC040

Quant Time: May 06 11:38:37 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.745	152	267221	20.000	ng	-0.02
21) Naphthalene-d8	10.534	136	954129	20.000	ng	-0.03
39) Acenaphthene-d10	14.392	164	616483	20.000	ng	-0.02
64) Phenanthrene-d10	17.139	188	1203468	20.000	ng	-0.02
76) Chrysene-d12	21.380	240	1155475	20.000	ng	-0.02
86) Perylene-d12	24.374	264	1141097	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1196996	78.438	ng	-0.02
7) Phenol-d6	6.934	99	1476748	76.993	ng	-0.02
23) Nitrobenzene-d5	8.904	82	1489030	76.902	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	686279	75.287	ng	-0.01
45) 2-Fluorobiphenyl	13.010	172	3921809	75.257	ng	-0.02
79) Terphenyl-d14	19.768	244	6139793	78.628	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.234	88	253944	38.810	ng	100
3) Pyridine	3.640	79	655071	38.965	ng	97
4) n-Nitrosodimethylamine	3.546	42	250015	37.918	ng	99
6) Aniline	7.075	93	920231	37.995	ng	99
8) 2-Chlorophenol	7.316	128	631601	38.279	ng	99
9) Benzaldehyde	6.887	77	481932	37.547	ng	97
10) Phenol	6.963	94	746666	38.454	ng	97
11) bis(2-Chloroethyl)ether	7.169	93	597261	36.837	ng	100
12) 1,3-Dichlorobenzene	7.634	146	753556	37.808	ng	99
13) 1,4-Dichlorobenzene	7.781	146	756388	37.775	ng	99
14) 1,2-Dichlorobenzene	8.098	146	723756	37.419	ng	99
15) Benzyl Alcohol	7.993	79	511797	38.477	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.269	45	740816	37.588	ng	99
17) 2-Methylphenol	8.204	107	479642	37.497	ng	99
18) Hexachloroethane	8.816	117	264695	37.187	ng	97
19) n-Nitroso-di-n-propyla...	8.551	70	457118	37.160	ng	100
20) 3+4-Methylphenols	8.534	107	649732	37.613	ng	97
22) Acetophenone	8.569	105	896647	37.799	ng	98
24) Nitrobenzene	8.945	77	641465	38.314	ng	99
25) Isophorone	9.475	82	1230438	37.279	ng	99
26) 2-Nitrophenol	9.657	139	338225	39.544	ng	99
27) 2,4-Dimethylphenol	9.728	122	545234	38.439	ng	99
28) bis(2-Chloroethoxy)met...	9.951	93	758290	37.171	ng	100
29) 2,4-Dichlorophenol	10.210	162	603631	37.987	ng	99
30) 1,2,4-Trichlorobenzene	10.404	180	723685	37.380	ng	99
31) Naphthalene	10.586	128	1806338	37.383	ng	99
32) Benzoic acid	9.898	122	344919	38.021	ng	98
33) 4-Chloroaniline	10.704	127	748056	37.770	ng	99
34) Hexachlorobutadiene	10.869	225	461632	37.564	ng	99
35) Caprolactam	11.504	113	173157	37.373	ng	95
36) 4-Chloro-3-methylphenol	11.851	107	545209	37.137	ng	100
37) 2-Methylnaphthalene	12.204	142	1199979	37.041	ng	99
38) 1-Methylnaphthalene	12.422	142	1263138	36.844	ng	99
40) 1,2,4,5-Tetrachloroben...	12.580	216	813267	38.108	ng	99
41) Hexachlorocyclopentadiene	12.551	237	452979	34.733	ng	99
43) 2,4,6-Trichlorophenol	12.833	196	527545	38.974	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
 Data File : BM050112.D
 Acq On : 06 May 2025 10:03
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC040

Quant Time: May 06 11:38:37 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration

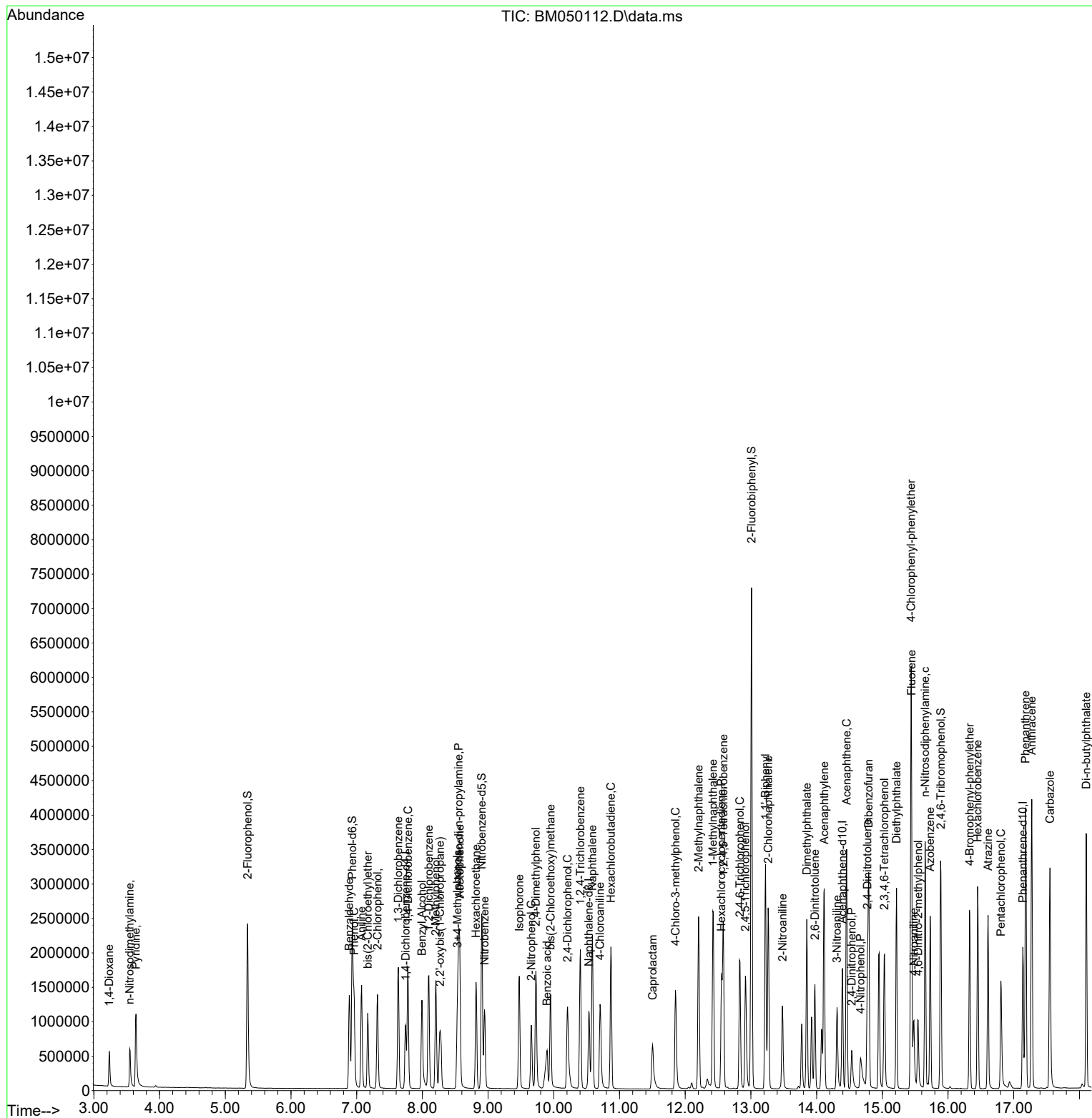
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.916	196	561088	38.440	ng	98
46) 1,1'-Biphenyl	13.222	154	1717706	37.483	ng	99
47) 2-Chloronaphthalene	13.263	162	1366748	37.657	ng	100
48) 2-Nitroaniline	13.480	65	341471	40.087	ng	100
49) Acenaphthylene	14.116	152	2133974	37.291	ng	100
50) Dimethylphthalate	13.851	163	1672159	37.115	ng	100
51) 2,6-Dinitrotoluene	13.975	165	360366	38.633	ng	98
52) Acenaphthene	14.457	154	1225254	36.990	ng	99
53) 3-Nitroaniline	14.310	138	357117	40.100	ng	99
54) 2,4-Dinitrophenol	14.533	184	183229	34.233	ng	95
55) Dibenzofuran	14.792	168	2042426	37.060	ng	99
56) 4-Nitrophenol	14.669	139	230774	34.581	ng	99
57) 2,4-Dinitrotoluene	14.774	165	505052	39.183	ng	97
58) Fluorene	15.445	166	1678531	37.210	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.033	232	474064	37.521	ng	99
60) Diethylphthalate	15.216	149	1552791	36.577	ng	100
61) 4-Chlorophenyl-phenyle...	15.439	204	912927	36.846	ng	99
62) 4-Nitroaniline	15.480	138	349016	40.620	ng	98
63) Azobenzene	15.727	77	1318699	37.065	ng	100
65) 4,6-Dinitro-2-methylph...	15.545	198	286334	38.009	ng	99
66) n-Nitrosodiphenylamine	15.651	169	1392242	37.674	ng	100
67) 4-Bromophenyl-phenylether	16.327	248	542466	37.275	ng	98
68) Hexachlorobenzene	16.451	284	630323	37.574	ng	99
69) Atrazine	16.610	200	502744	37.715	ng	99
70) Pentachlorophenol	16.804	266	340135	36.021	ng	99
71) Phenanthrene	17.180	178	2531629	37.297	ng	100
72) Anthracene	17.274	178	2598718	37.832	ng	99
73) Carbazole	17.551	167	2288501	38.394	ng	100
74) Di-n-butylphthalate	18.104	149	2669468	37.606	ng	99
75) Fluoranthene	19.204	202	3031823	38.044	ng	99
77) Benzidine	19.392	184	1563898	38.104	ng	100
78) Pyrene	19.568	202	3125279	38.517	ng	100
80) Butylbenzylphthalate	20.462	149	1166830	38.395	ng	98
81) Benzo(a)anthracene	21.362	228	2996833	37.663	ng	100
82) 3,3'-Dichlorobenzidine	21.286	252	1184813	38.898	ng	100
83) Chrysene	21.427	228	2731694	37.094	ng	99
84) Bis(2-ethylhexyl)phtha...	21.280	149	1696855	37.381	ng	100
85) Di-n-octyl phthalate	22.403	149	2795441	37.342	ng	100
87) Indeno(1,2,3-cd)pyrene	27.756	276	3257358	38.310	ng	100
88) Benzo(b)fluoranthene	23.433	252	2770613	37.335	ng	99
89) Benzo(k)fluoranthene	23.492	252	2766829	36.859	ng	99
90) Benzo(a)pyrene	24.233	252	2608657	37.532	ng	100
91) Dibenzo(a,h)anthracene	27.803	278	2658072	38.350	ng	100
92) Benzo(g,h,i)perylene	28.815	276	2534494	38.196	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
 Data File : BM050112.D
 Acq On : 06 May 2025 10:03
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC040

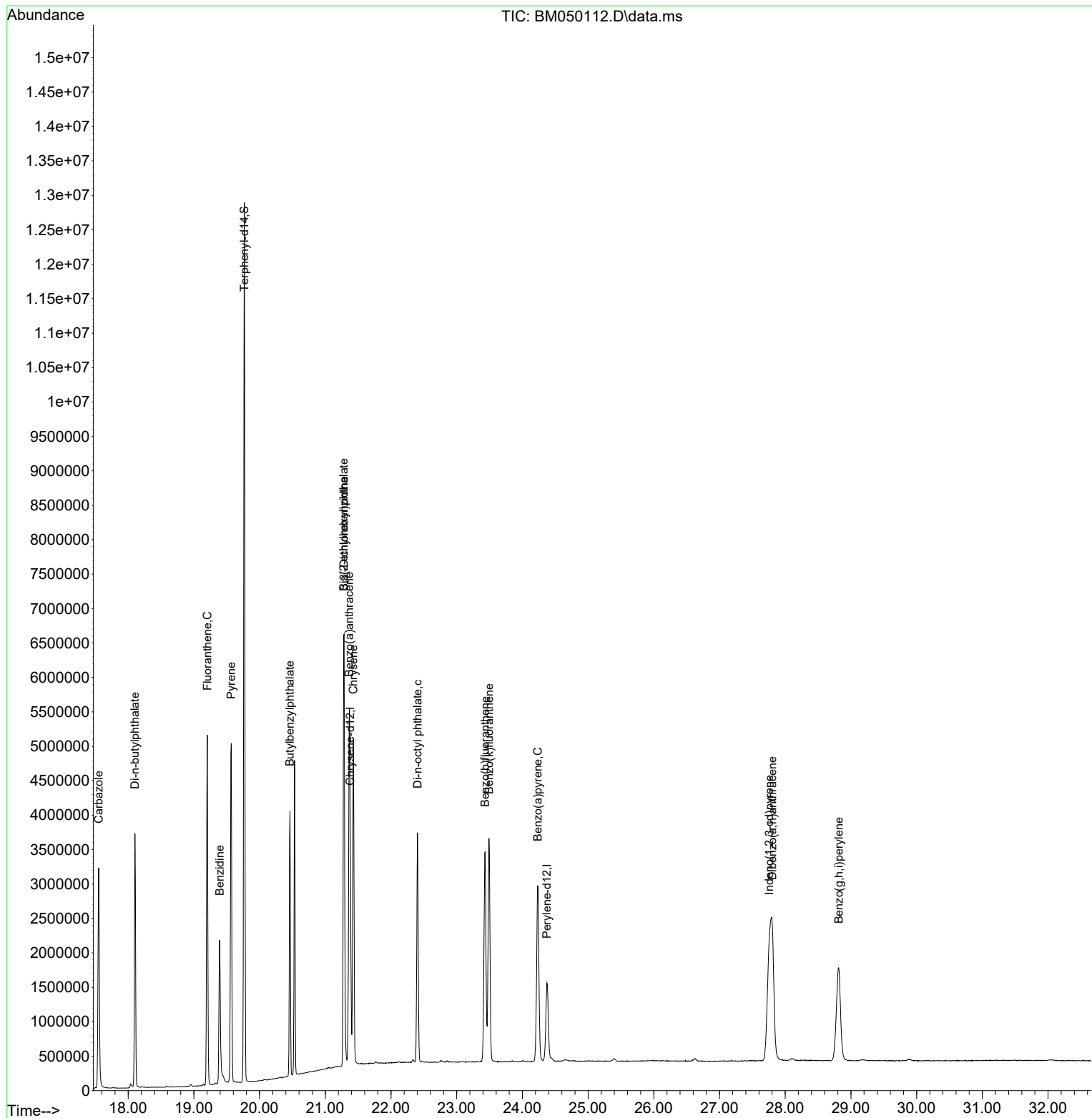
Quant Time: May 06 11:38:37 2025
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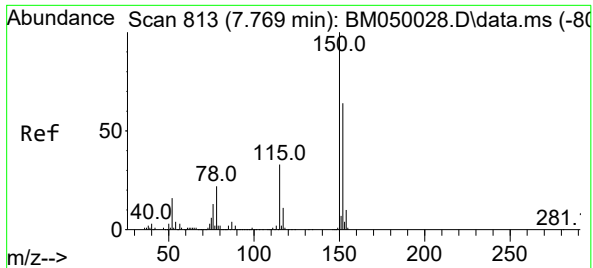


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Data File : BM050112.D
Acq On : 06 May 2025 10:03
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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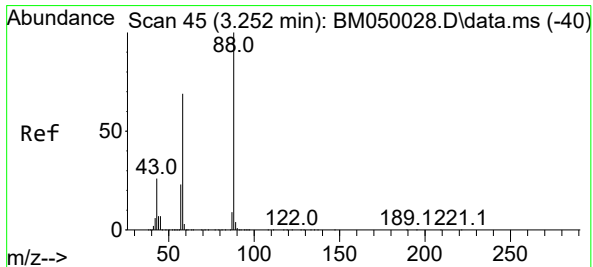
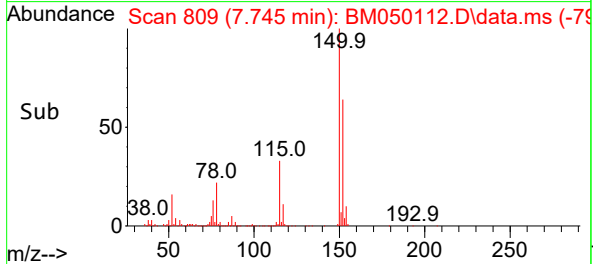
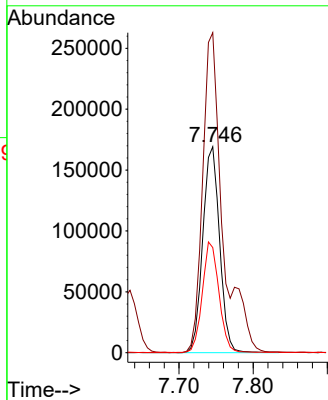
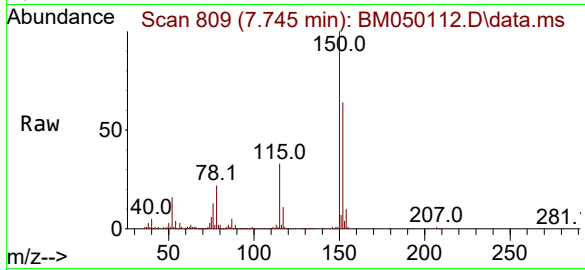




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.745 min Scan# 80
Delta R.T. -0.024 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

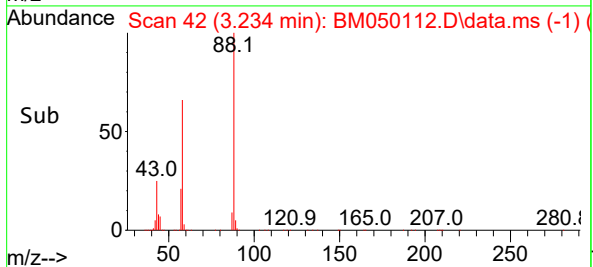
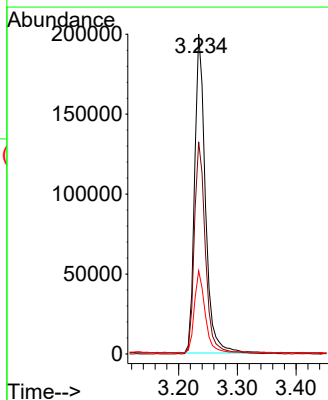
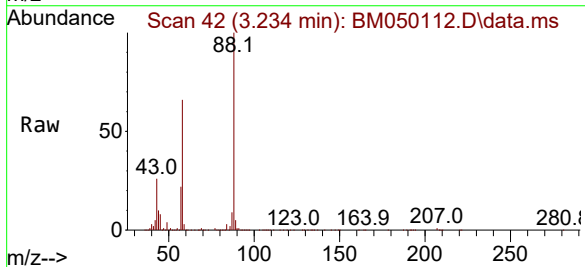
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ClientSampleId :
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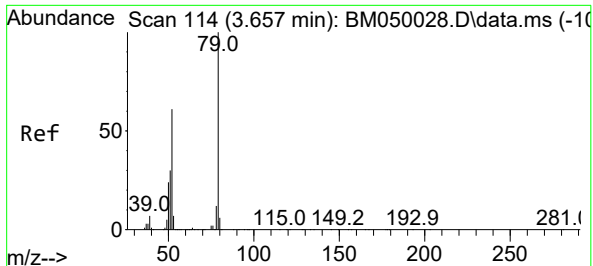
Tgt Ion:152 Resp: 267221
Ion Ratio Lower Upper
152 100
150 155.5 124.1 186.1
115 51.0 41.2 61.8



#2
1,4-Dioxane
Concen: 38.810 ng
RT: 3.234 min Scan# 42
Delta R.T. -0.018 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

Tgt Ion: 88 Resp: 253944
Ion Ratio Lower Upper
88 100
58 68.9 55.1 82.7
43 25.7 20.9 31.3

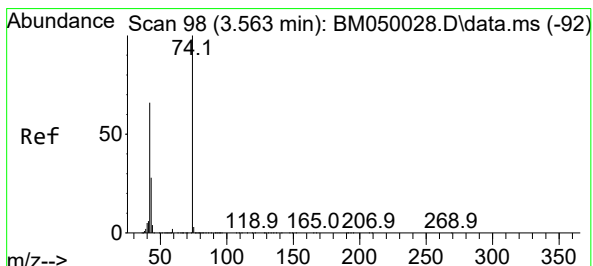
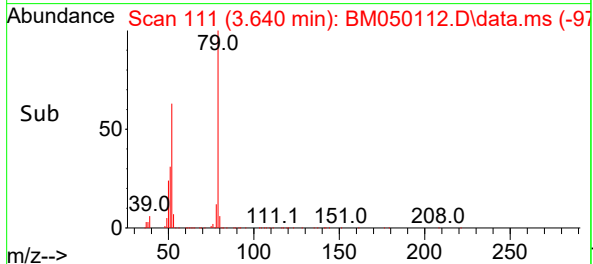
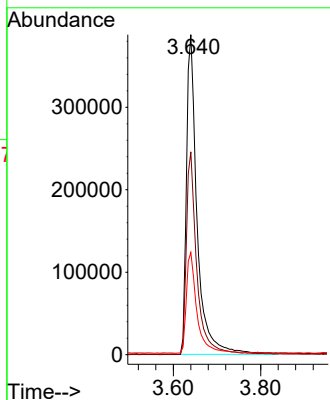
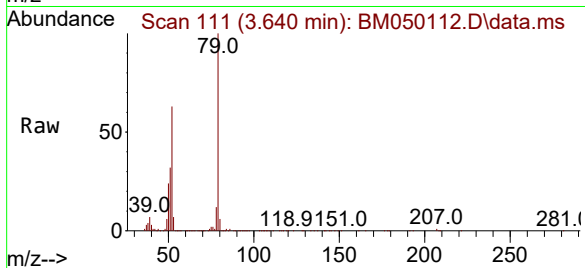




#3
Pyridine
Concen: 38.965 ng
RT: 3.640 min Scan# 114
Delta R.T. -0.018 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

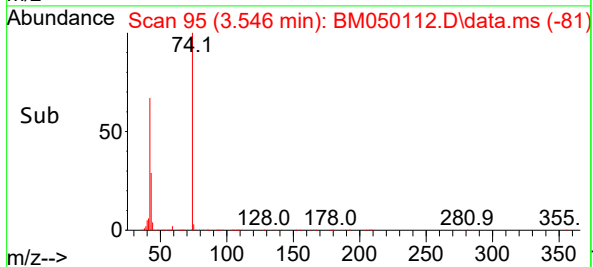
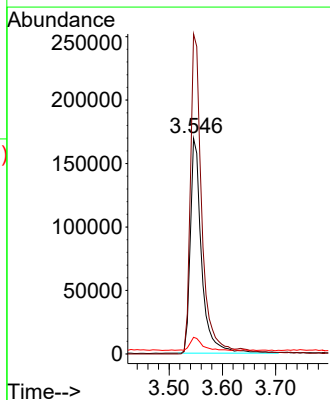
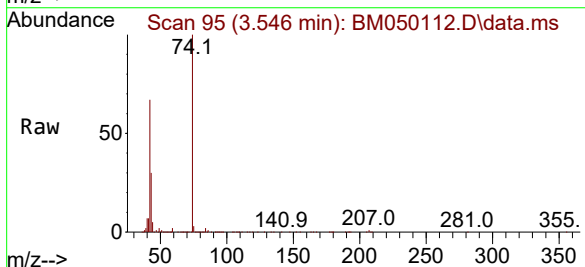
Instrument :
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ClientSampleId :
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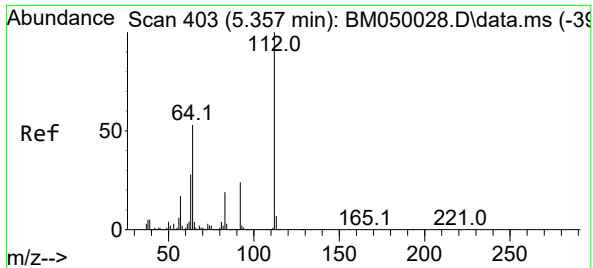
Tgt Ion: 79 Resp: 655071
Ion Ratio Lower Upper
79 100
52 63.4 48.6 72.8
51 31.9 24.6 37.0



#4
n-Nitrosodimethylamine
Concen: 37.918 ng
RT: 3.546 min Scan# 95
Delta R.T. -0.018 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

Tgt Ion: 42 Resp: 250015
Ion Ratio Lower Upper
42 100
74 148.5 120.2 180.2
44 7.7 6.2 9.2

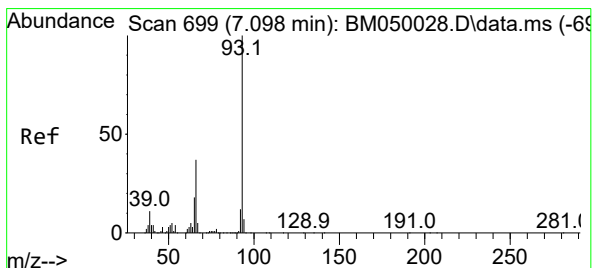
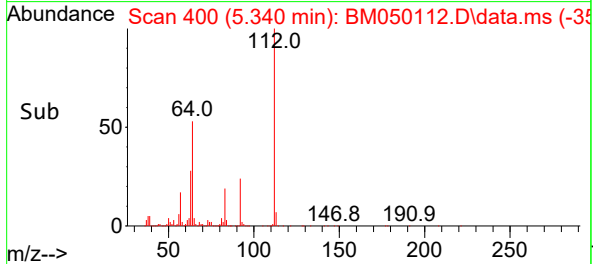
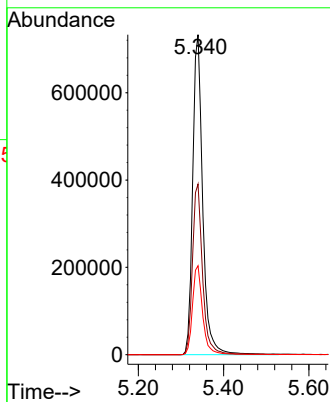
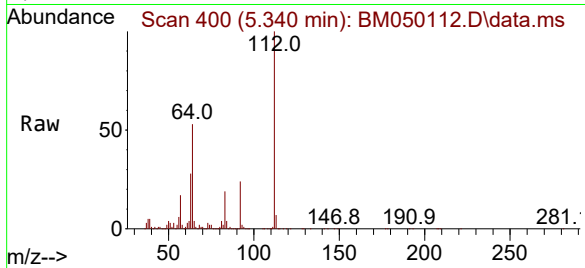




#5
2-Fluorophenol
Concen: 78.438 ng
RT: 5.340 min Scan# 403
Delta R.T. -0.018 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

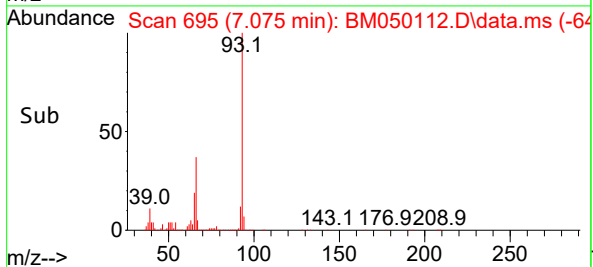
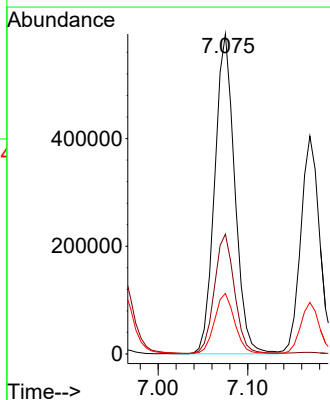
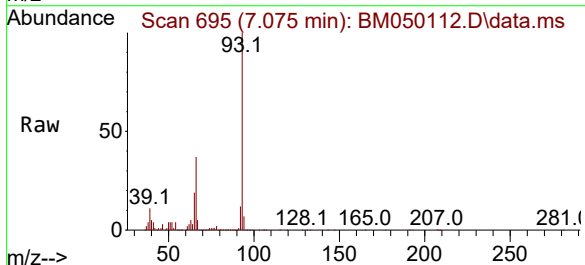
Instrument :
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ClientSampleId :
SSTDCCC040

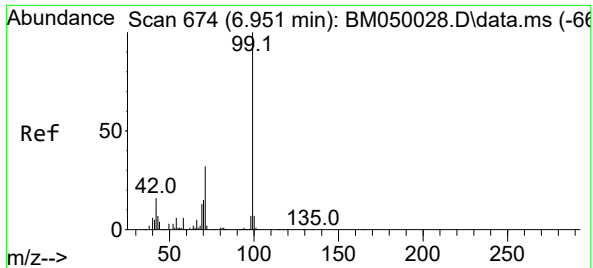
Tgt Ion:112 Resp: 1196996
Ion Ratio Lower Upper
112 100
64 53.3 42.6 64.0
63 27.8 22.2 33.4



#6
Aniline
Concen: 37.995 ng
RT: 7.075 min Scan# 695
Delta R.T. -0.023 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

Tgt Ion: 93 Resp: 920231
Ion Ratio Lower Upper
93 100
66 37.5 29.9 44.9
65 18.9 14.5 21.7

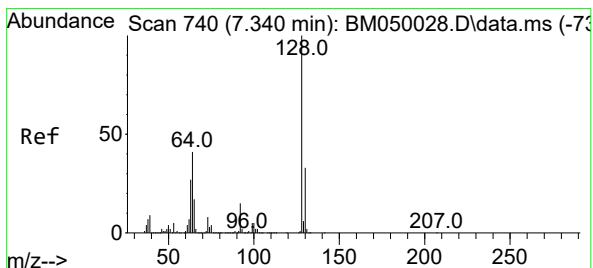
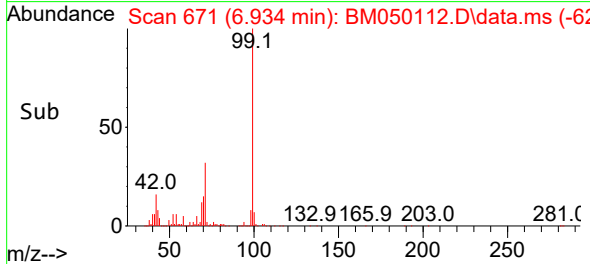
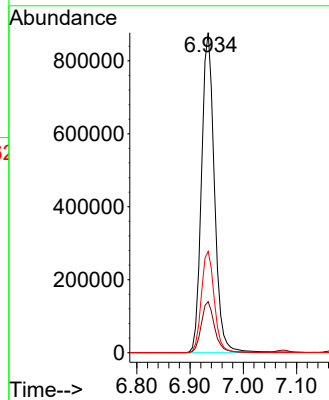
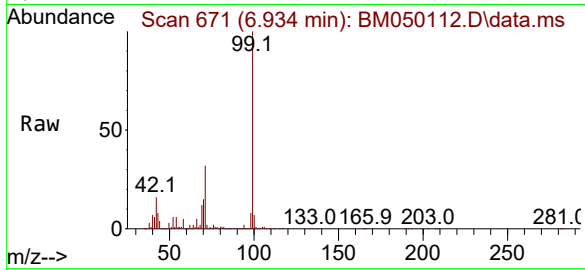




#7
Phenol-d6
Concen: 76.993 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

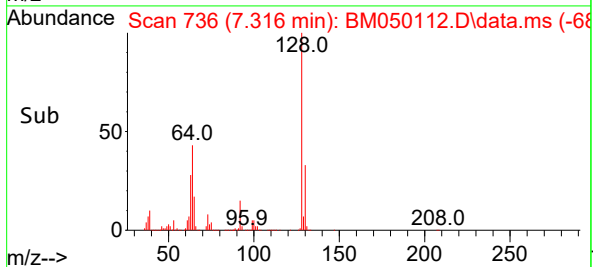
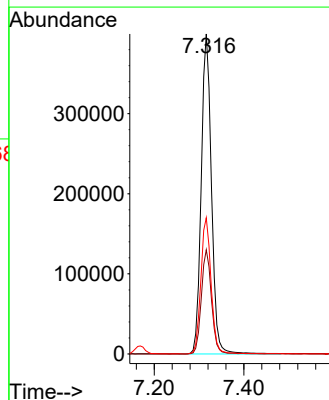
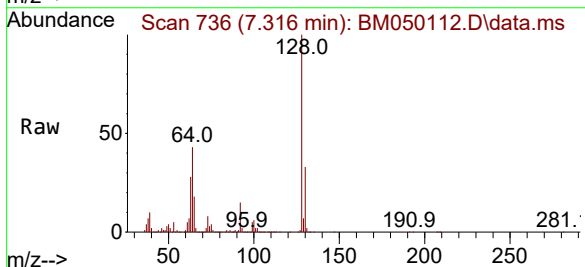
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BNA_M
ClientSampleId :
SSTDCCC040

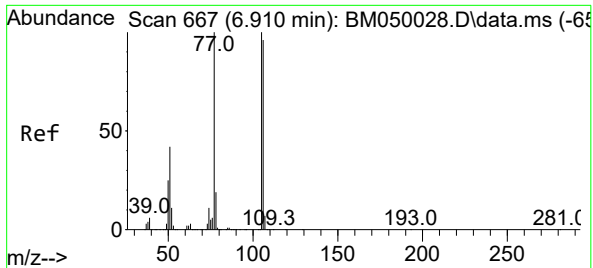
Tgt Ion: 99 Resp: 1476748
Ion Ratio Lower Upper
99 100
42 16.0 13.0 19.4
71 31.7 25.6 38.4



#8
2-Chlorophenol
Concen: 38.279 ng
RT: 7.316 min Scan# 736
Delta R.T. -0.023 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

Tgt Ion: 128 Resp: 631601
Ion Ratio Lower Upper
128 100
130 32.5 12.8 52.8
64 42.6 21.2 61.2

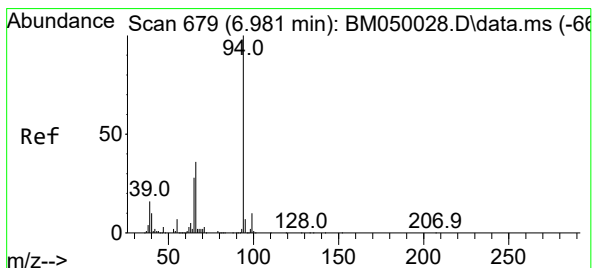
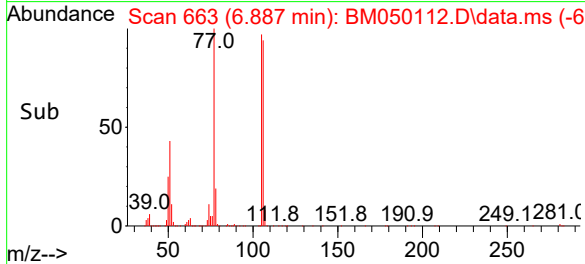
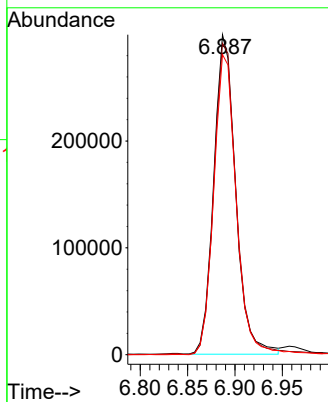
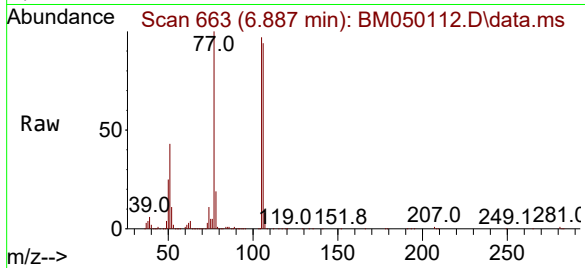




#9
Benzaldehyde
Concen: 37.547 ng
RT: 6.887 min Scan# 60
Delta R.T. -0.023 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

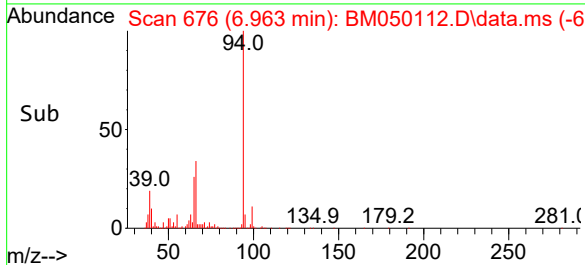
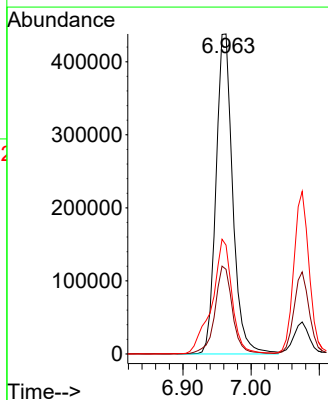
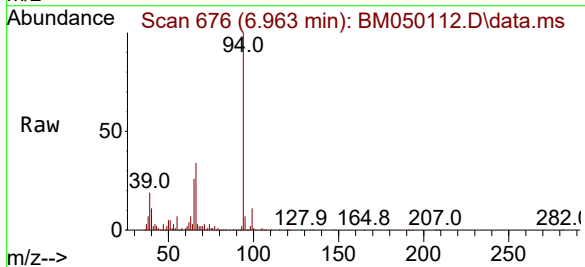
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BNA_M
ClientSampleId :
SSTDCCC040

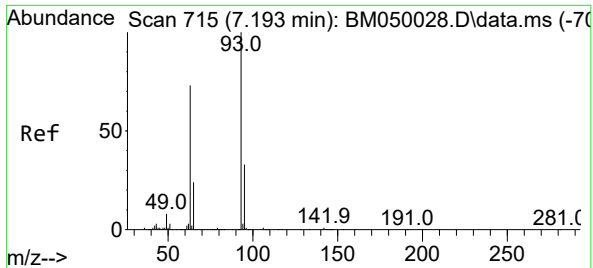
Tgt Ion: 77 Resp: 481932
Ion Ratio Lower Upper
77 100
105 97.3 80.5 120.5
106 93.8 76.1 116.1



#10
Phenol
Concen: 38.454 ng
RT: 6.963 min Scan# 676
Delta R.T. -0.018 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

Tgt Ion: 94 Resp: 746666
Ion Ratio Lower Upper
94 100
65 26.4 7.6 47.6
66 34.0 15.8 55.8

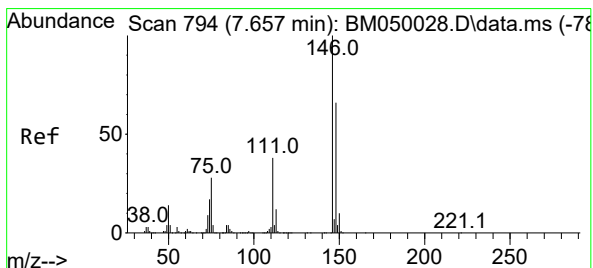
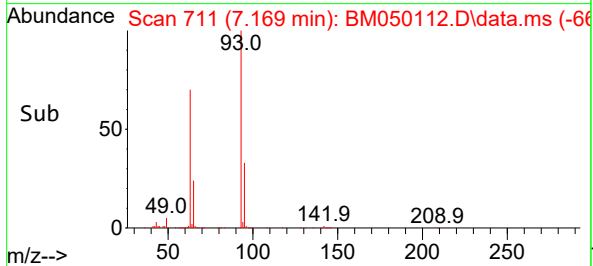
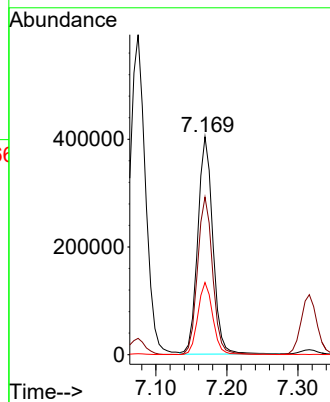
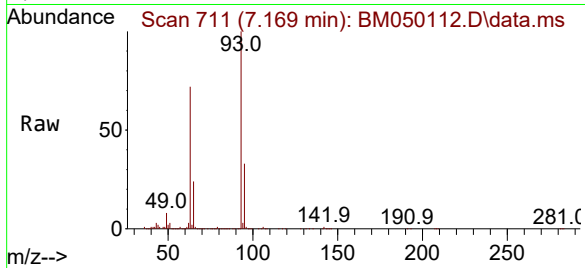




#11
bis(2-Chloroethyl)ether
Concen: 36.837 ng
RT: 7.169 min Scan# 715
Delta R.T. -0.023 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

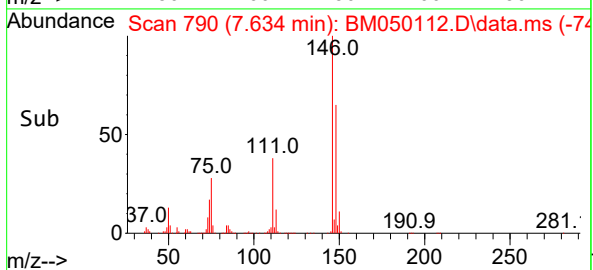
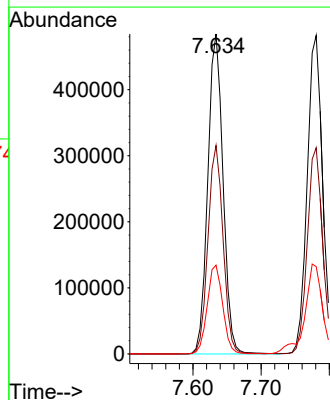
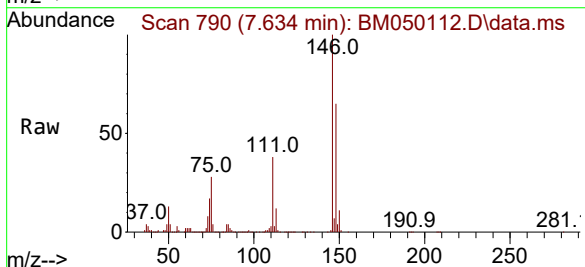
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

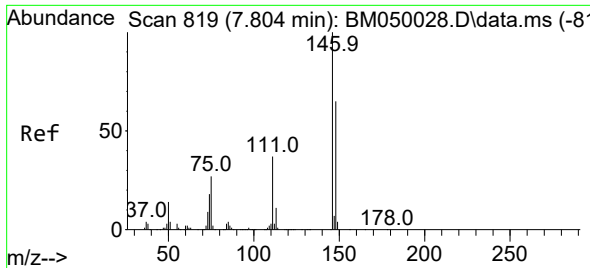
Tgt Ion: 93 Resp: 597261
Ion Ratio Lower Upper
93 100
63 72.4 52.3 92.3
95 33.1 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 37.808 ng
RT: 7.634 min Scan# 790
Delta R.T. -0.023 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

Tgt Ion: 146 Resp: 753556
Ion Ratio Lower Upper
146 100
148 65.2 52.5 78.7
75 27.7 22.6 34.0





#13

1,4-Dichlorobenzene

Concen: 37.775 ng

RT: 7.781 min Scan# 819

Delta R.T. -0.023 min

Lab File: BM050112.D

Acq: 06 May 2025 10:03

Instrument :

BNA_M

ClientSampleId :

SSTDCCC040

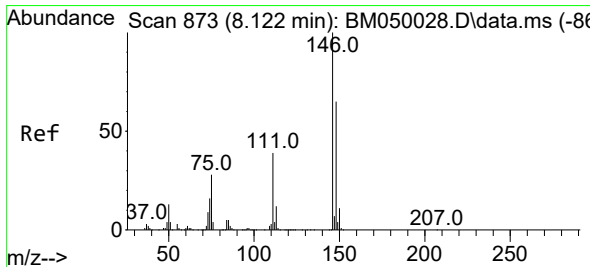
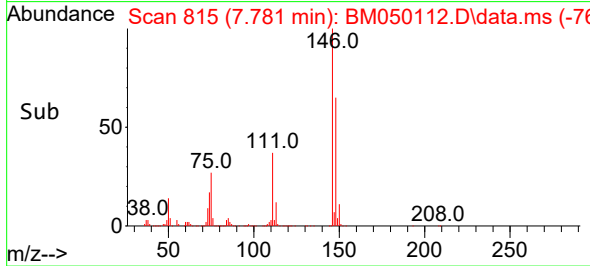
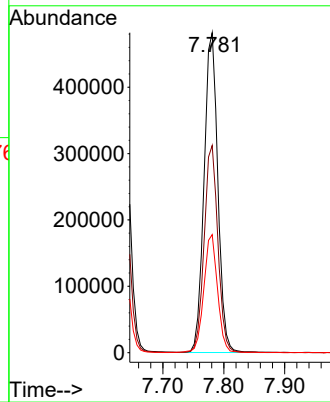
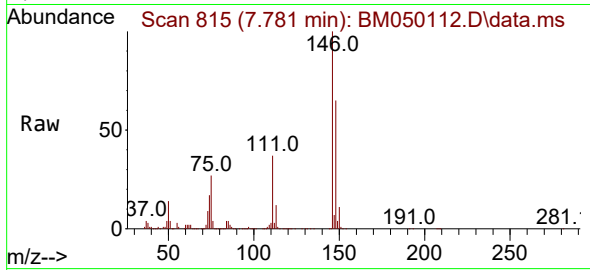
Tgt Ion:146 Resp: 756388

Ion Ratio Lower Upper

146 100

148 64.8 52.2 78.2

111 36.9 29.3 43.9



#14

1,2-Dichlorobenzene

Concen: 37.419 ng

RT: 8.098 min Scan# 869

Delta R.T. -0.023 min

Lab File: BM050112.D

Acq: 06 May 2025 10:03

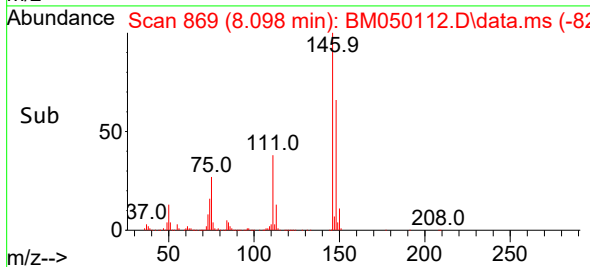
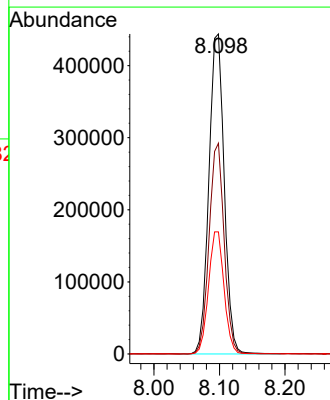
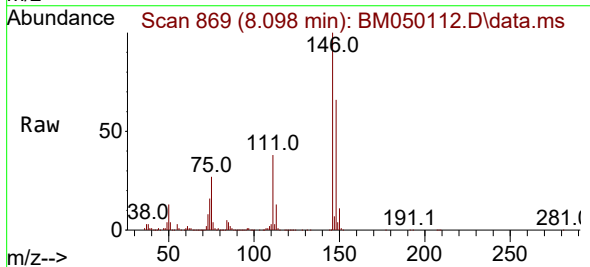
Tgt Ion:146 Resp: 723756

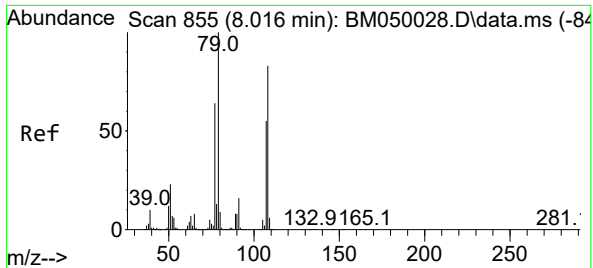
Ion Ratio Lower Upper

146 100

148 65.9 52.4 78.6

111 38.2 31.0 46.6

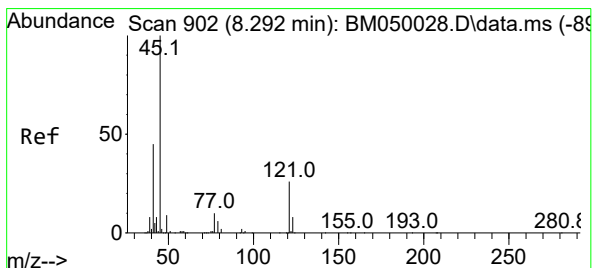
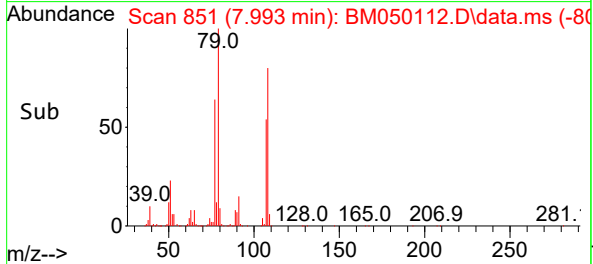
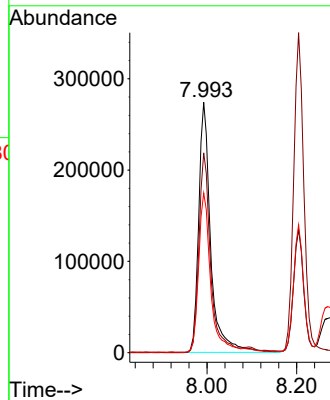
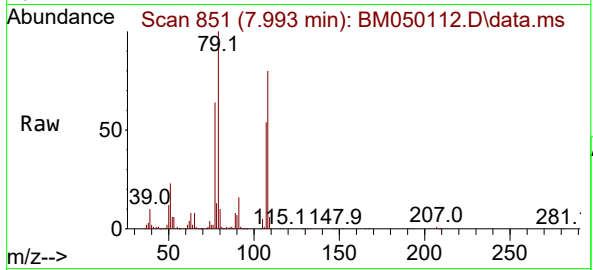




#15
Benzyl Alcohol
Concen: 38.477 ng
RT: 7.993 min Scan# 81
Delta R.T. -0.023 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

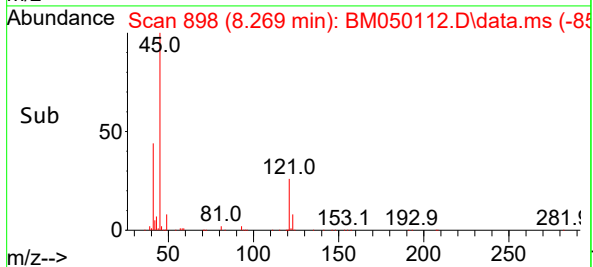
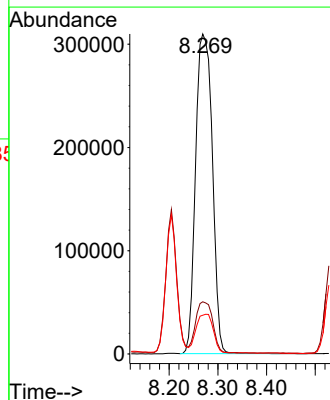
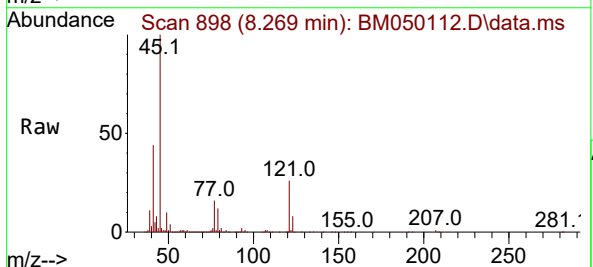
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

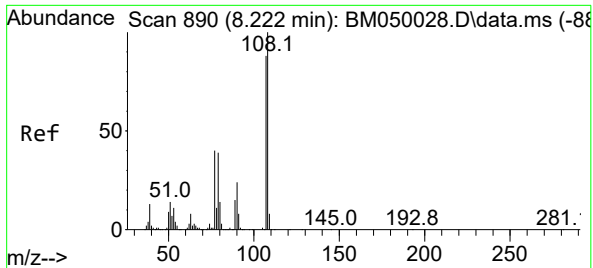
Tgt Ion: 79 Resp: 511797
Ion Ratio Lower Upper
79 100
108 79.8 66.0 99.0
77 63.8 51.6 77.4



#16
2,2'-oxybis(1-chloropropane)
Concen: 37.588 ng
RT: 8.269 min Scan# 898
Delta R.T. -0.023 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

Tgt Ion: 45 Resp: 740816
Ion Ratio Lower Upper
45 100
77 16.3 0.0 36.4
79 12.1 0.0 32.7





#17

2-Methylphenol

Concen: 37.497 ng

RT: 8.204 min Scan# 887

Delta R.T. -0.018 min

Lab File: BM050112.D

Acq: 06 May 2025 10:03

Instrument :

BNA_M

ClientSampleId :

SSTDCCC040

Tgt Ion:107 Resp: 479642

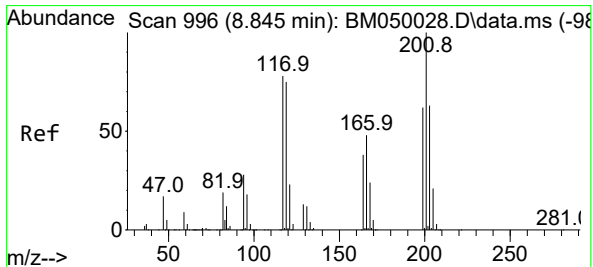
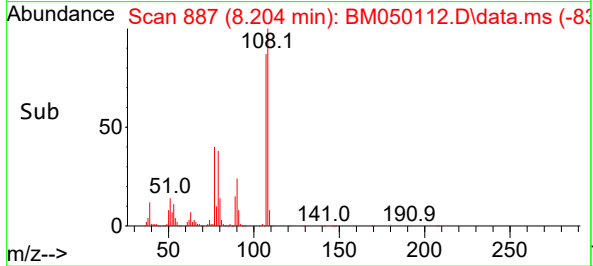
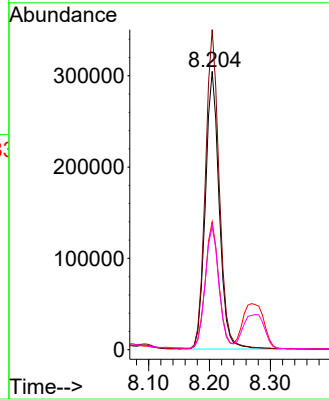
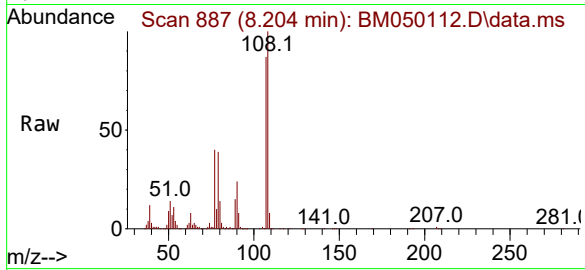
Ion	Ratio	Lower	Upper

107	100		

108	115.0	91.1	136.7

77	45.9	36.2	54.4

79	44.3	35.8	53.8



#18

Hexachloroethane

Concen: 37.187 ng

RT: 8.816 min Scan# 991

Delta R.T. -0.029 min

Lab File: BM050112.D

Acq: 06 May 2025 10:03

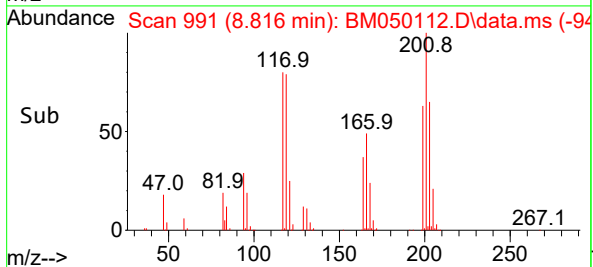
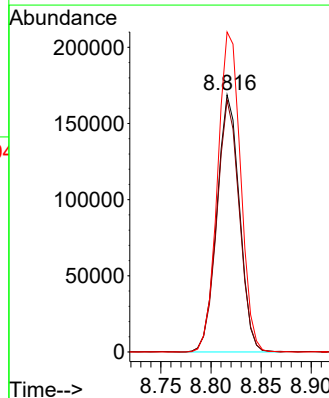
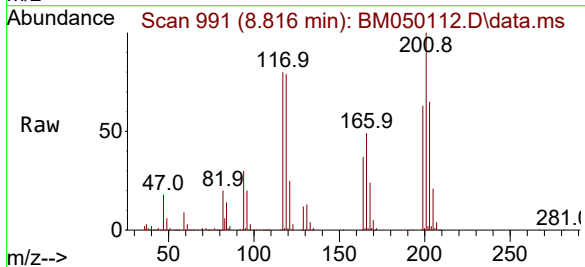
Tgt Ion:117 Resp: 264695

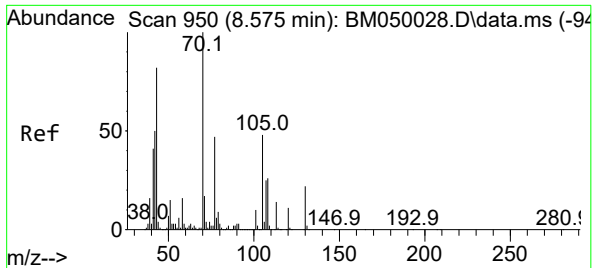
Ion	Ratio	Lower	Upper

117	100		

119	97.9	77.3	115.9

201	124.5	102.8	154.2

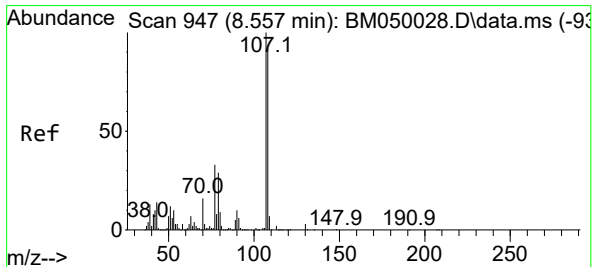
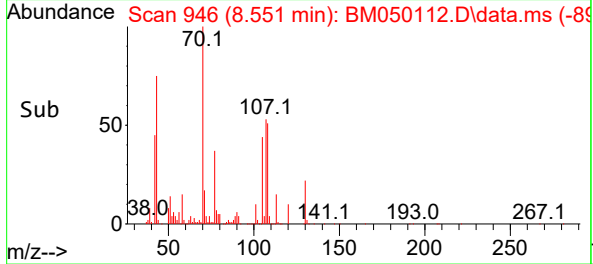
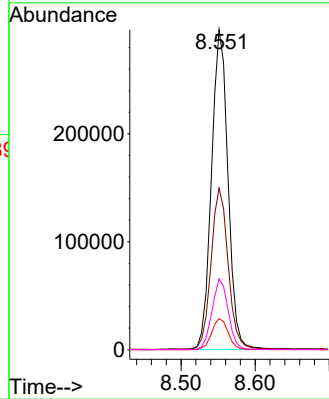
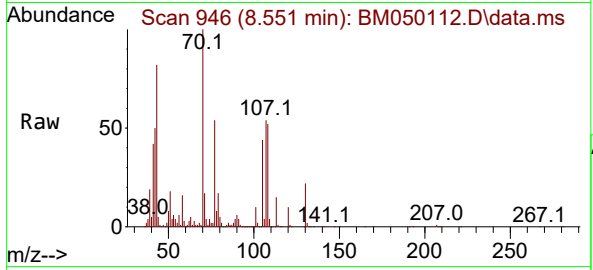




#19
n-Nitroso-di-n-propylamine
Concen: 37.160 ng
RT: 8.551 min Scan# 946
Delta R.T. -0.023 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

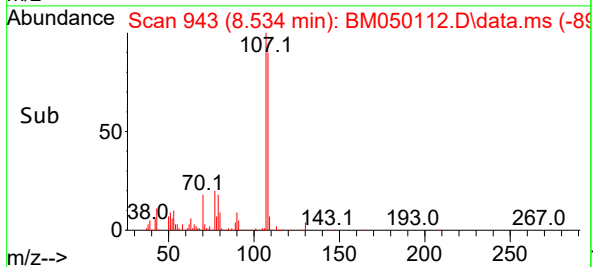
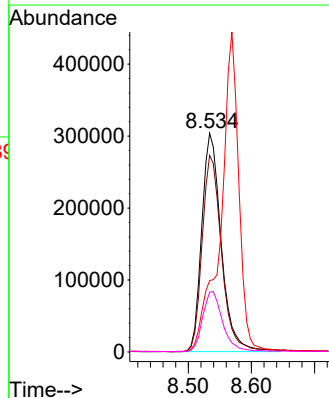
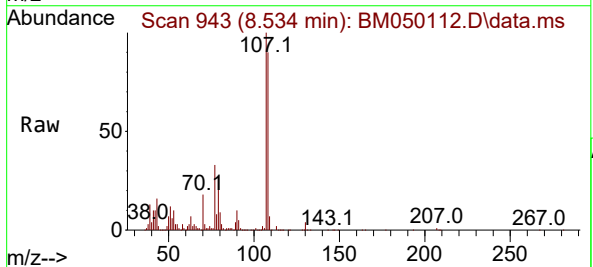
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

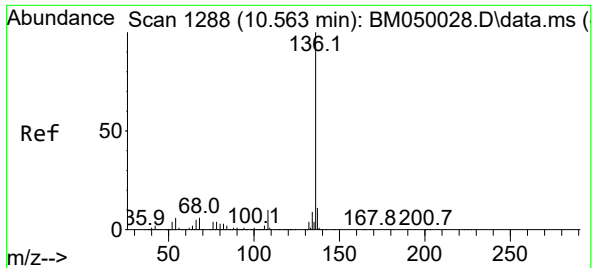
Tgt Ion: 70 Resp: 457118
Ion Ratio Lower Upper
70 100
42 50.5 40.5 60.7
101 9.7 7.8 11.6
130 22.2 17.4 26.2



#20
3+4-Methylphenols
Concen: 37.613 ng
RT: 8.534 min Scan# 943
Delta R.T. -0.023 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

Tgt Ion: 107 Resp: 649732
Ion Ratio Lower Upper
107 100
108 89.9 72.4 112.4
77 32.6 13.6 53.6
79 27.3 9.2 49.2

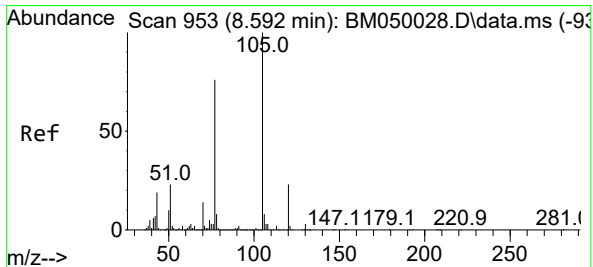
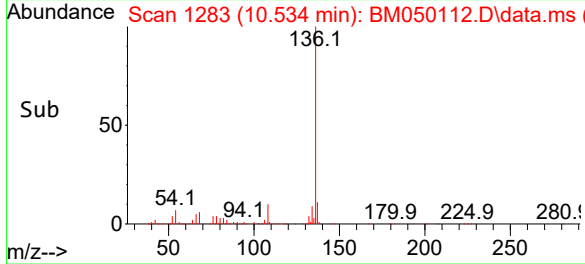
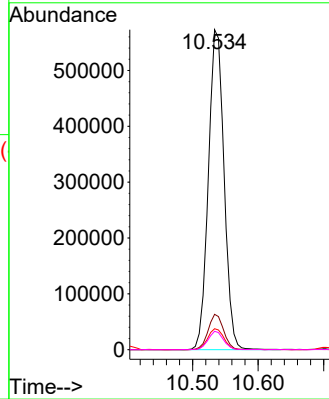
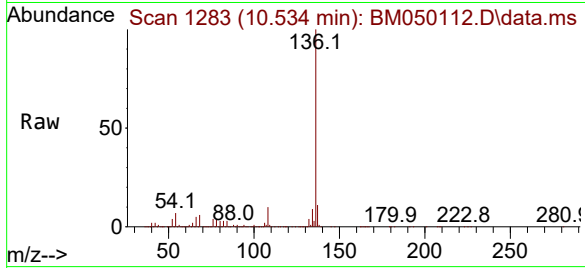




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.534 min Scan# 11
Delta R.T. -0.029 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

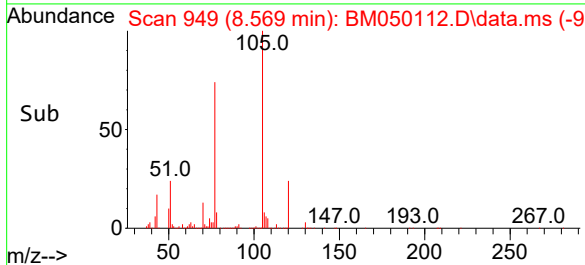
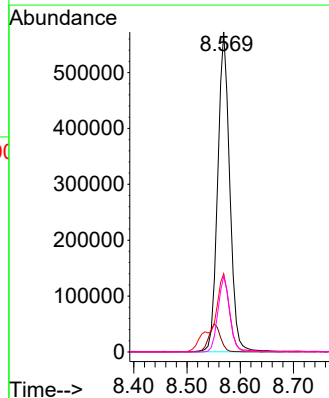
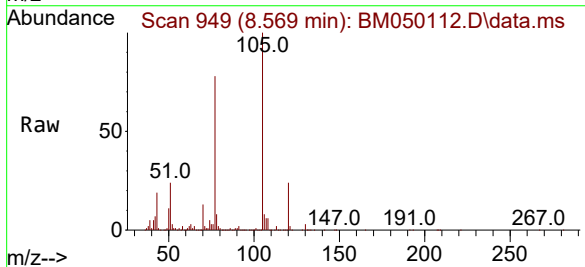
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

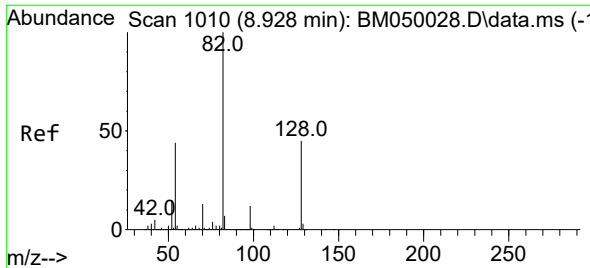
Tgt Ion:136 Resp: 954129
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 6.5 5.1 7.7
68 5.8 4.4 6.6



#22
Acetophenone
Concen: 37.799 ng
RT: 8.569 min Scan# 949
Delta R.T. -0.023 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

Tgt Ion:105 Resp: 896647
Ion Ratio Lower Upper
105 100
71 2.1 1.7 2.5
51 24.5 18.6 27.8
120 23.7 18.3 27.5





#23

Nitrobenzene-d5

Concen: 76.902 ng

RT: 8.904 min Scan# 1006

Delta R.T. -0.023 min

Lab File: BM050112.D

Acq: 06 May 2025 10:03

Instrument :

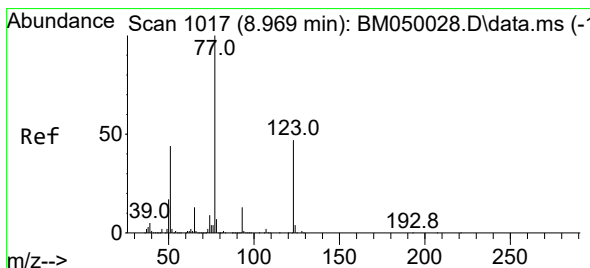
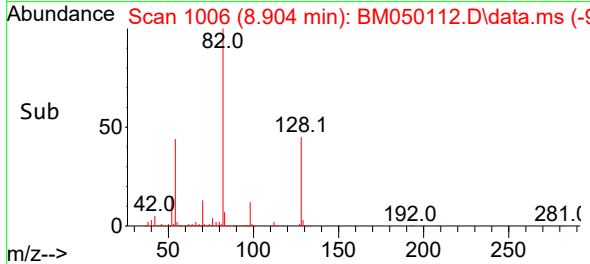
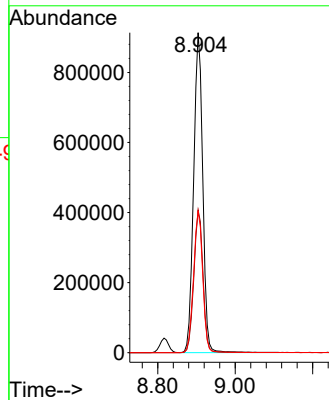
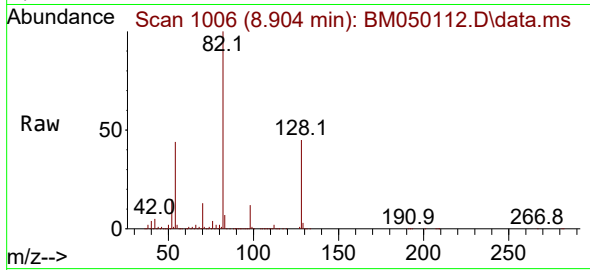
BNA_M

ClientSampleId :

SSTDCCC040

Tgt Ion: 82 Resp: 1489030

Ion	Ratio	Lower	Upper
82	100		
128	44.6	35.7	53.5
54	44.2	35.4	53.2



#24

Nitrobenzene

Concen: 38.314 ng

RT: 8.945 min Scan# 1013

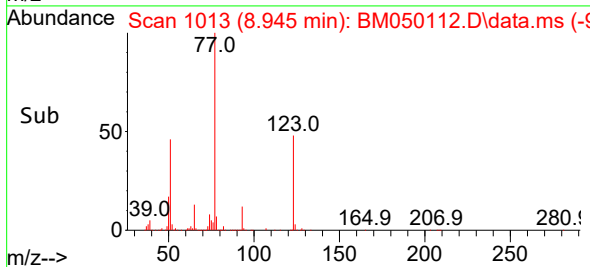
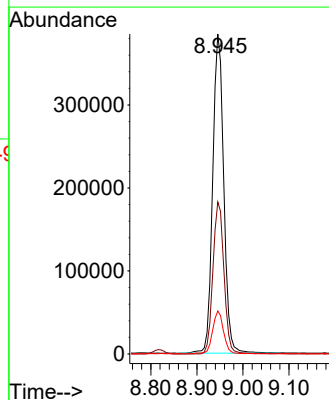
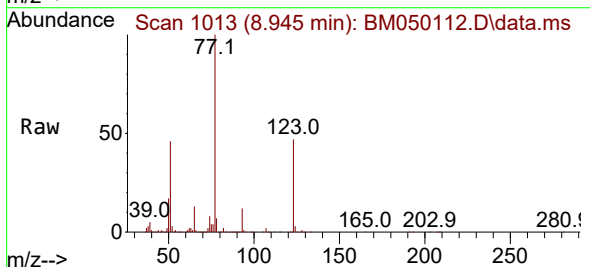
Delta R.T. -0.023 min

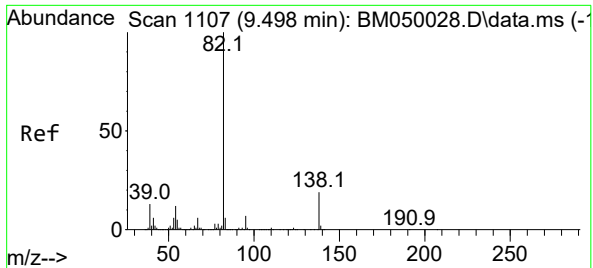
Lab File: BM050112.D

Acq: 06 May 2025 10:03

Tgt Ion: 77 Resp: 641465

Ion	Ratio	Lower	Upper
77	100		
123	47.5	37.9	56.9
65	13.5	10.1	15.1

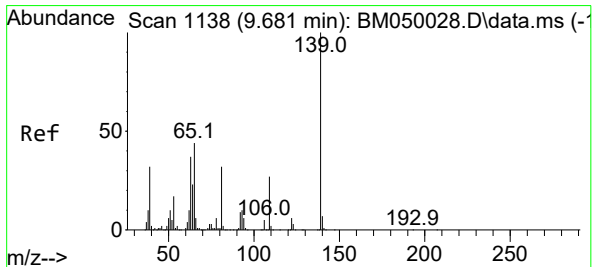
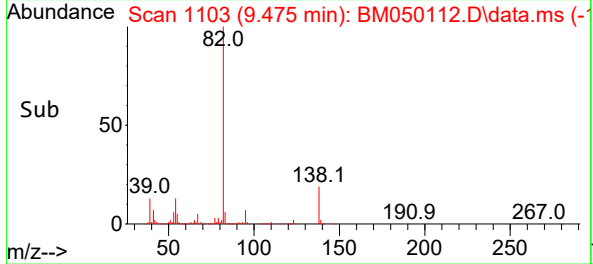
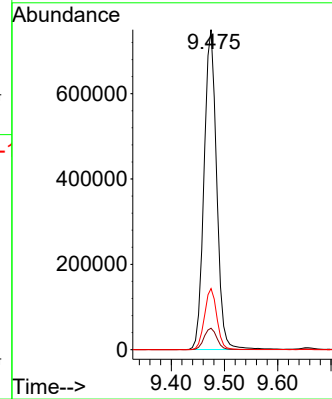
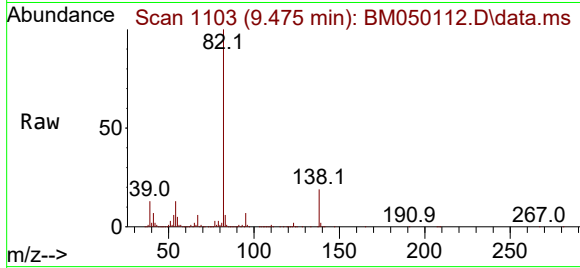




#25
Isophorone
Concen: 37.279 ng
RT: 9.475 min Scan# 1103
Delta R.T. -0.023 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

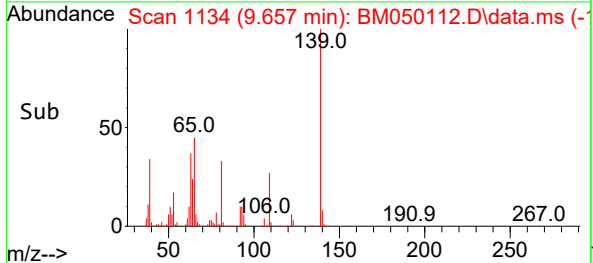
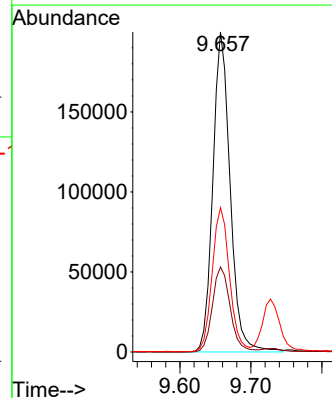
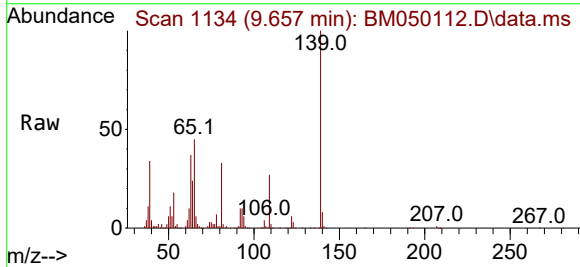
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

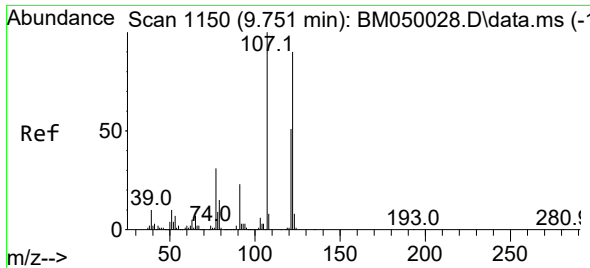
Tgt Ion: 82 Resp: 1230438
Ion Ratio Lower Upper
82 100
95 6.7 5.7 8.5
138 19.1 15.5 23.3



#26
2-Nitrophenol
Concen: 39.544 ng
RT: 9.657 min Scan# 1134
Delta R.T. -0.023 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

Tgt Ion:139 Resp: 338225
Ion Ratio Lower Upper
139 100
109 26.5 21.9 32.9
65 45.1 35.4 53.2

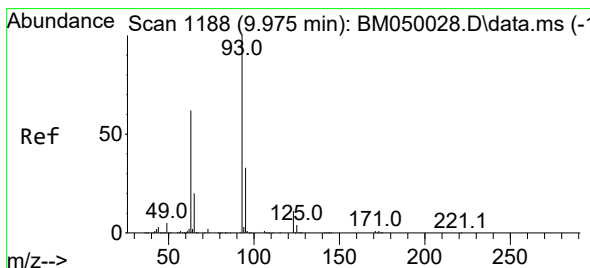
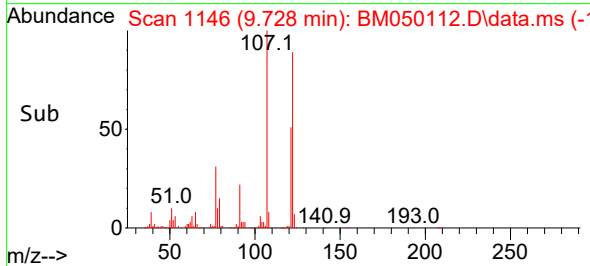
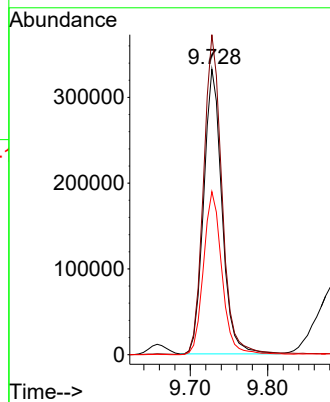
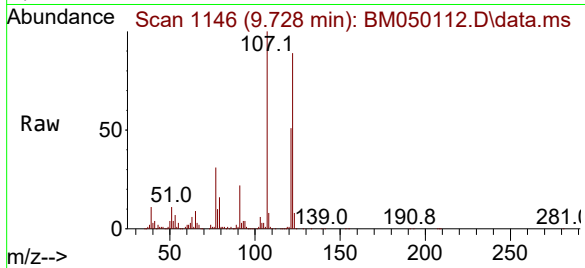




#27
2,4-Dimethylphenol
Concen: 38.439 ng
RT: 9.728 min Scan# 1146
Delta R.T. -0.023 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

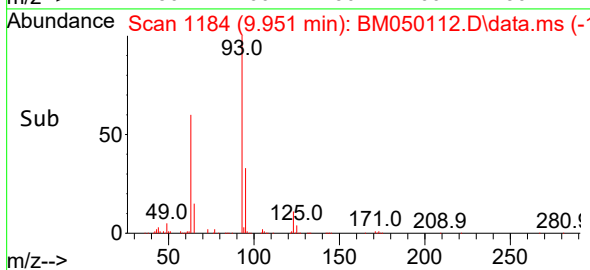
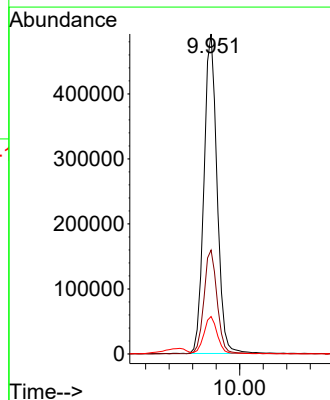
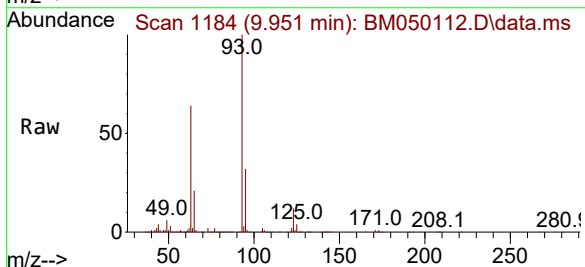
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

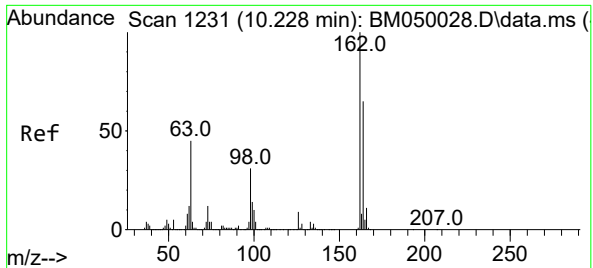
Tgt Ion:122 Resp: 545234
Ion Ratio Lower Upper
122 100
107 112.1 89.0 133.6
121 57.1 45.6 68.4



#28
bis(2-Chloroethoxy)methane
Concen: 37.171 ng
RT: 9.951 min Scan# 1184
Delta R.T. -0.023 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

Tgt Ion: 93 Resp: 758290
Ion Ratio Lower Upper
93 100
95 32.5 26.1 39.1
123 11.7 9.5 14.3





#29

2,4-Dichlorophenol

Concen: 37.987 ng

RT: 10.210 min Scan# 1228

Delta R.T. -0.018 min

Lab File: BM050112.D

Acq: 06 May 2025 10:03

Instrument :

BNA_M

ClientSampleId :

SSTDCCC040

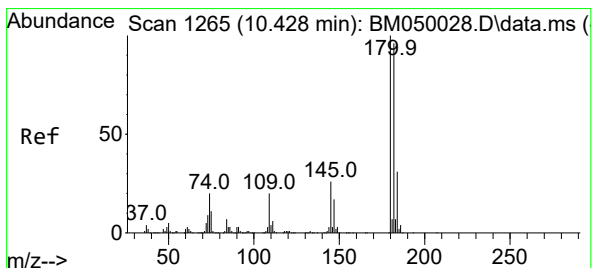
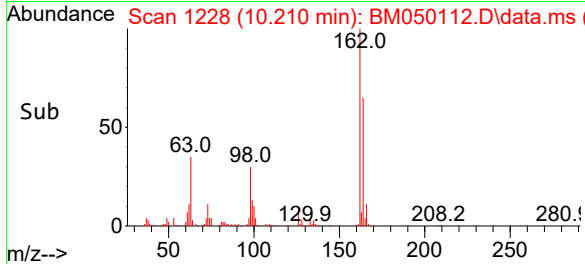
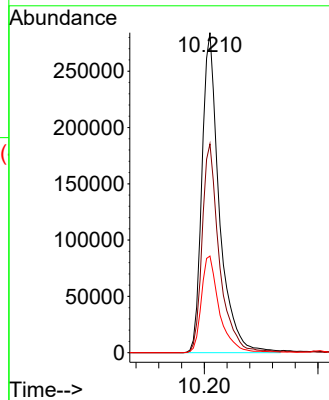
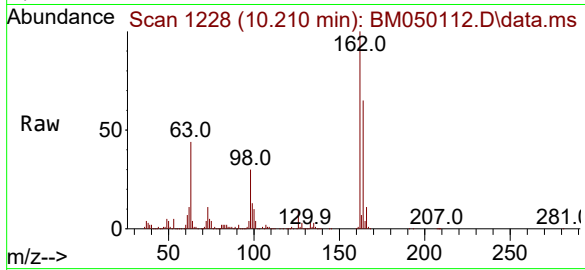
Tgt Ion:162 Resp: 603631

Ion Ratio Lower Upper

162 100

164 65.3 45.4 85.4

98 30.2 11.3 51.3



#30

1,2,4-Trichlorobenzene

Concen: 37.380 ng

RT: 10.404 min Scan# 1261

Delta R.T. -0.023 min

Lab File: BM050112.D

Acq: 06 May 2025 10:03

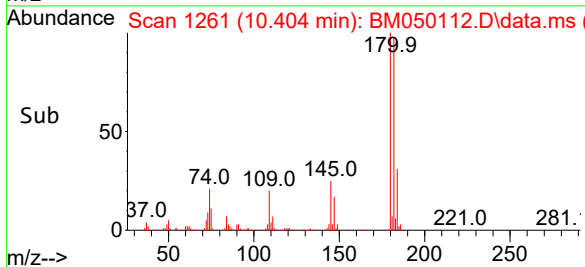
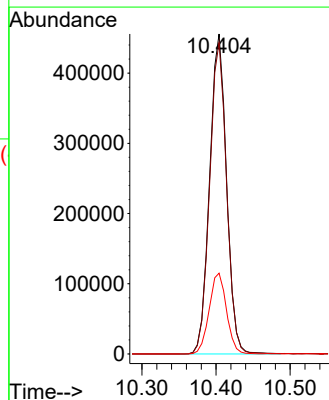
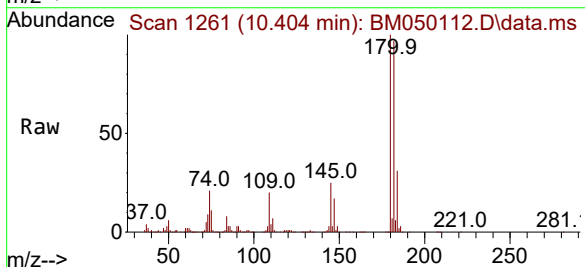
Tgt Ion:180 Resp: 723685

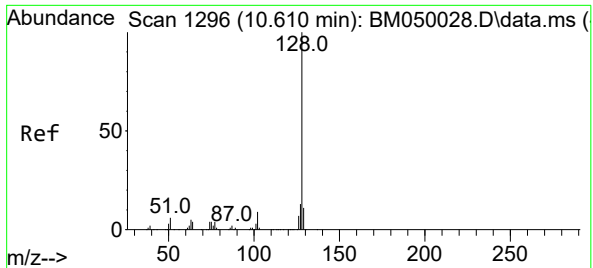
Ion Ratio Lower Upper

180 100

182 97.4 77.0 115.4

145 25.3 20.6 30.8

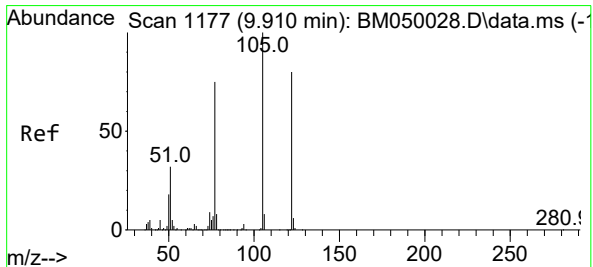
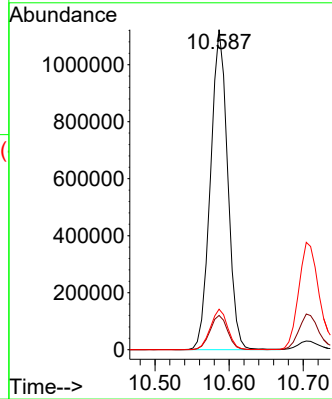
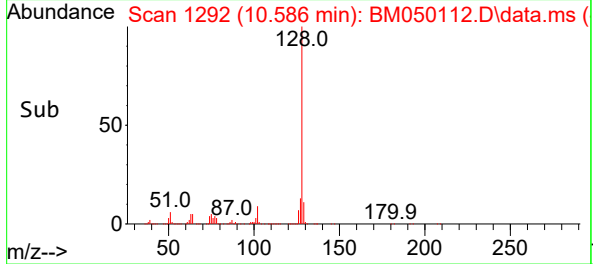
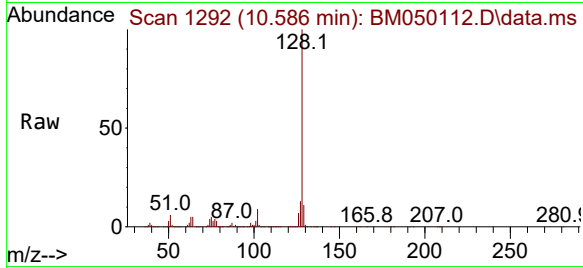




#31
Naphthalene
Concen: 37.383 ng
RT: 10.586 min Scan# 1175
Delta R.T. -0.023 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

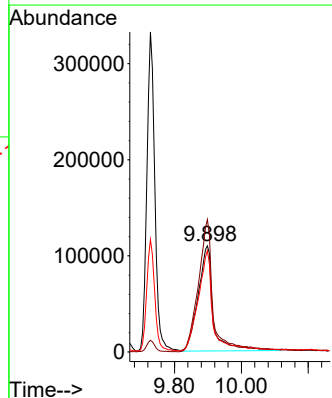
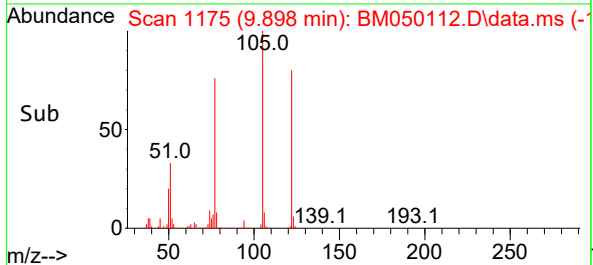
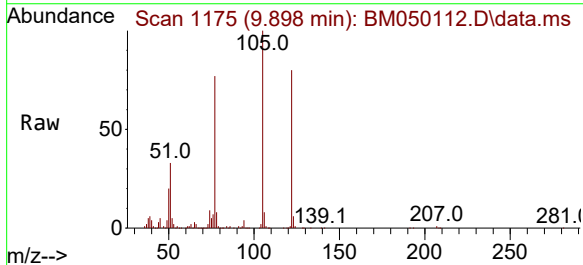
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

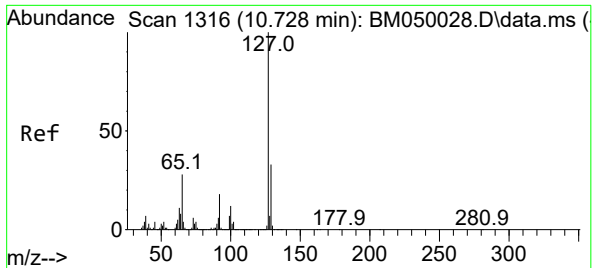
Tgt Ion:128 Resp: 1806338
Ion Ratio Lower Upper
128 100
129 10.7 8.8 13.2
127 12.7 10.4 15.6



#32
Benzoic acid
Concen: 38.021 ng
RT: 9.898 min Scan# 1175
Delta R.T. -0.012 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

Tgt Ion:122 Resp: 344919
Ion Ratio Lower Upper
122 100
105 124.9 103.6 143.6
77 95.6 73.7 113.7

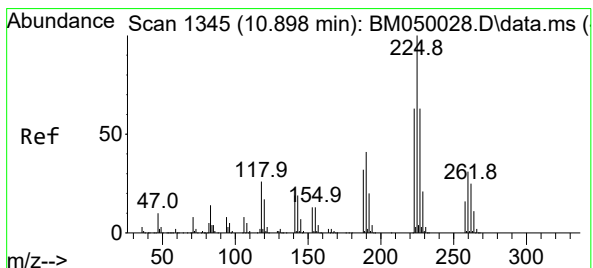
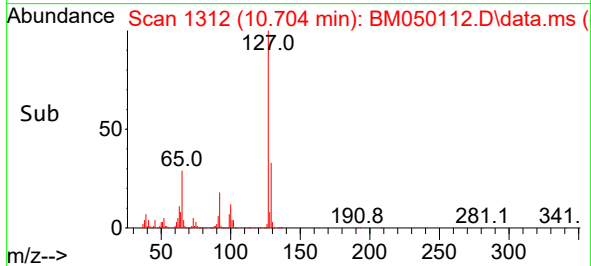
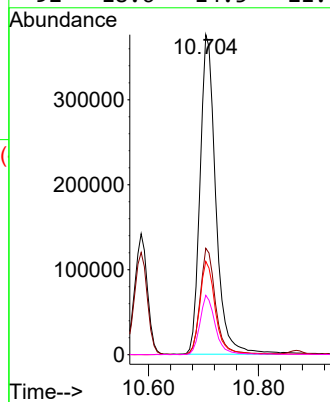
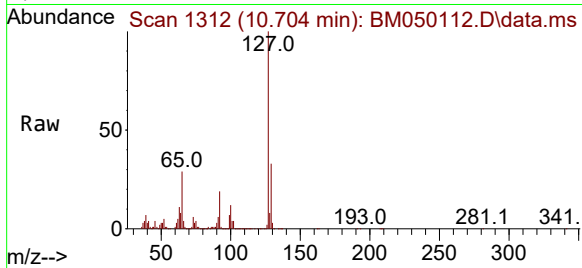




#33
4-Chloroaniline
Concen: 37.770 ng
RT: 10.704 min Scan# 11
Delta R.T. -0.023 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

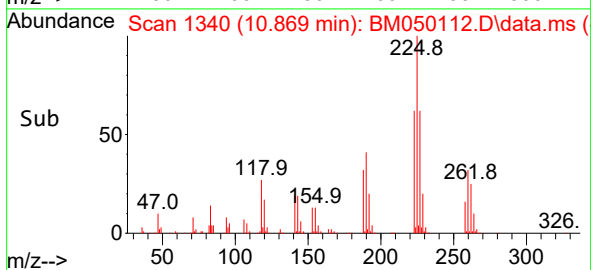
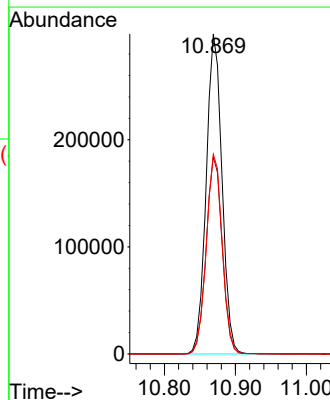
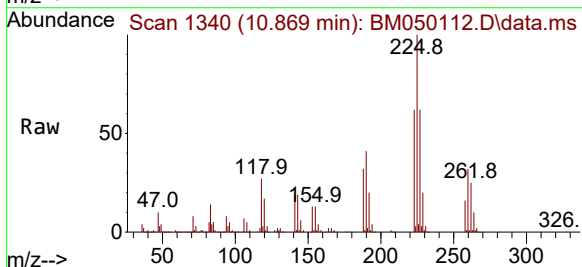
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

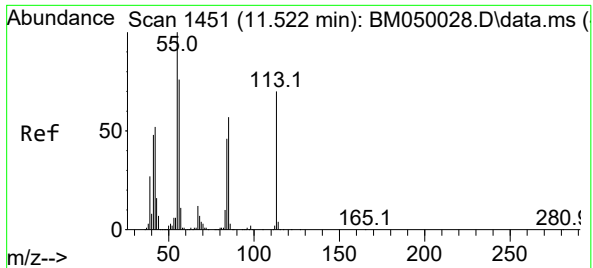
Tgt Ion	Ratio	Lower	Upper
127	100		
129	33.3	26.3	39.5
65	29.2	22.5	33.7
92	18.6	14.5	21.7



#34
Hexachlorobutadiene
Concen: 37.564 ng
RT: 10.869 min Scan# 1340
Delta R.T. -0.029 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	50.2	75.2
227	62.5	50.6	76.0

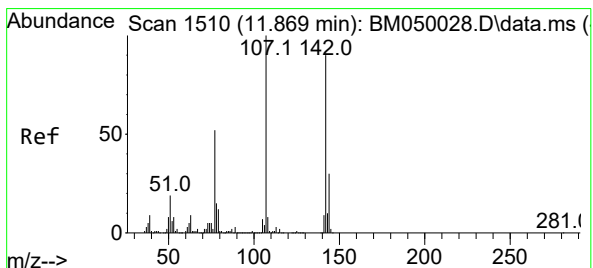
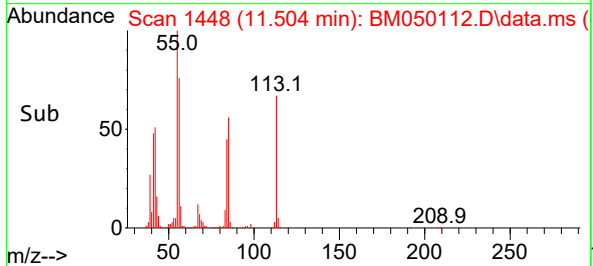
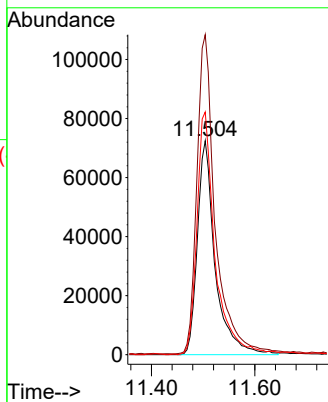
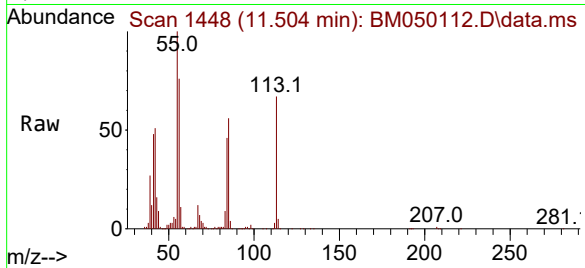




#35
Caprolactam
Concen: 37.373 ng
RT: 11.504 min Scan# 1451
Delta R.T. -0.018 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

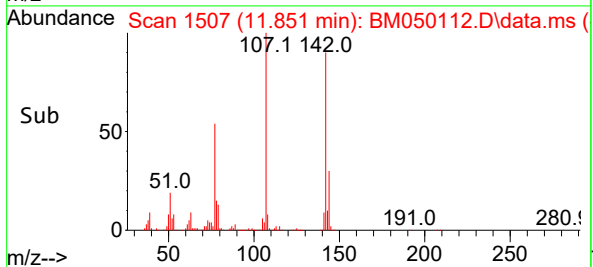
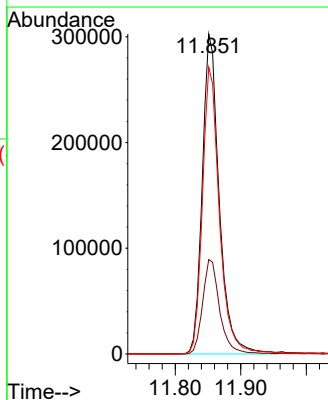
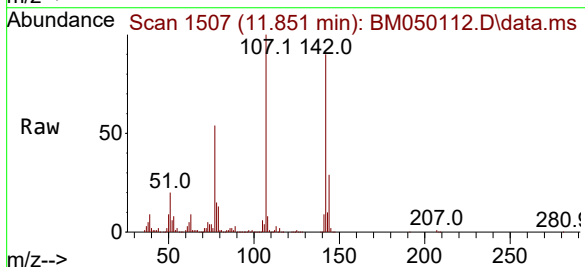
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

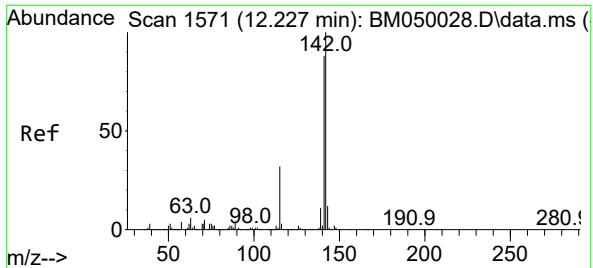
Tgt Ion:113 Resp: 173157
Ion Ratio Lower Upper
113 100
55 149.6 122.9 162.9
56 113.5 88.1 128.1



#36
4-Chloro-3-methylphenol
Concen: 37.137 ng
RT: 11.851 min Scan# 1507
Delta R.T. -0.018 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

Tgt Ion:107 Resp: 545209
Ion Ratio Lower Upper
107 100
144 29.5 23.8 35.6
142 89.6 71.9 107.9

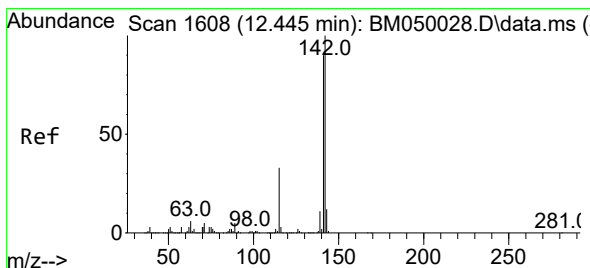
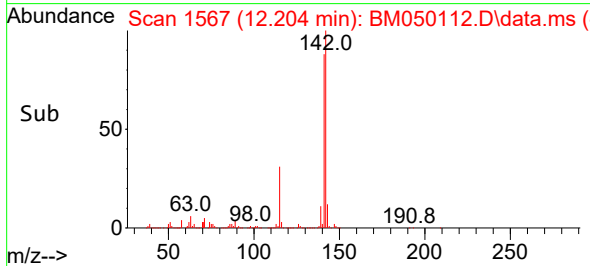
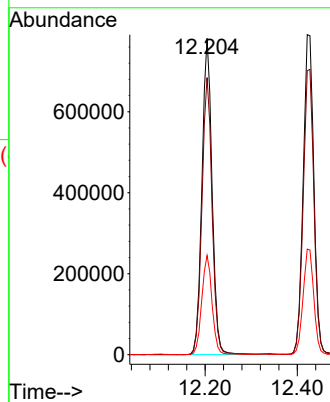
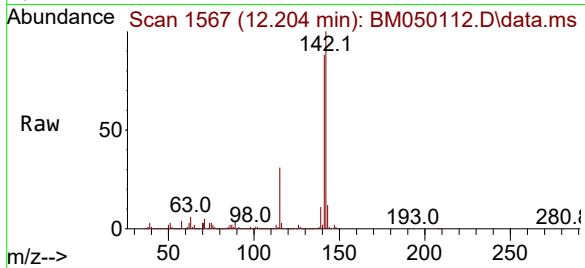




#37
2-Methylnaphthalene
Concen: 37.041 ng
RT: 12.204 min Scan# 1567
Delta R.T. -0.023 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

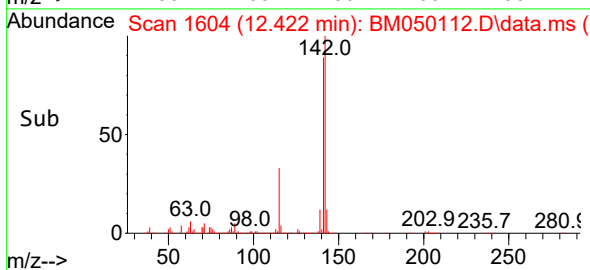
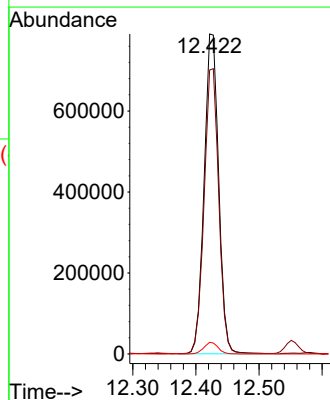
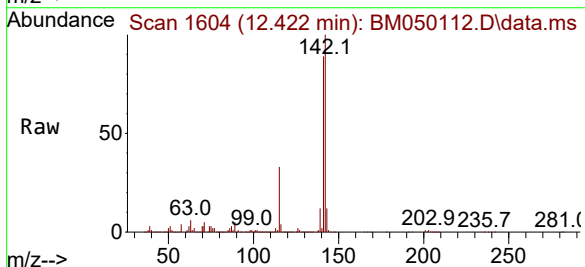
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

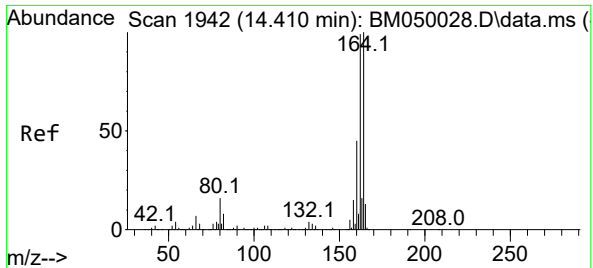
Tgt Ion:142 Resp: 1199979
Ion Ratio Lower Upper
142 100
141 87.6 70.4 105.6
115 31.4 25.4 38.2



#38
1-Methylnaphthalene
Concen: 36.844 ng
RT: 12.422 min Scan# 1604
Delta R.T. -0.023 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

Tgt Ion:142 Resp: 1263138
Ion Ratio Lower Upper
142 100
141 88.7 72.1 108.1
116 3.7 2.7 4.1

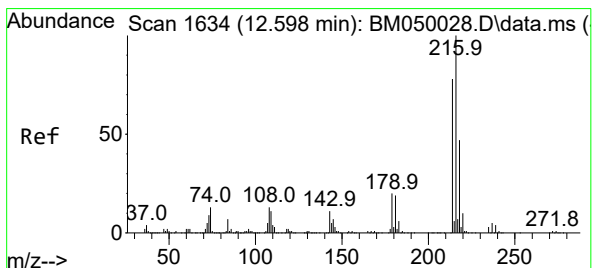
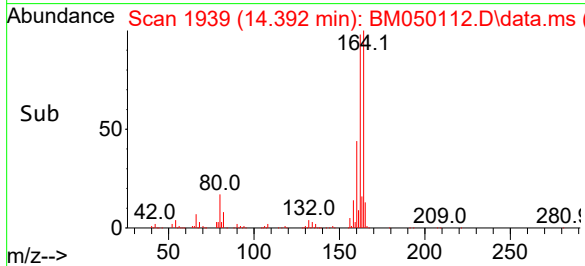
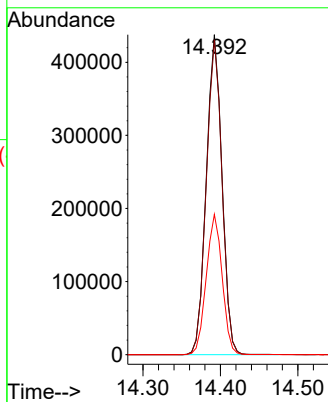
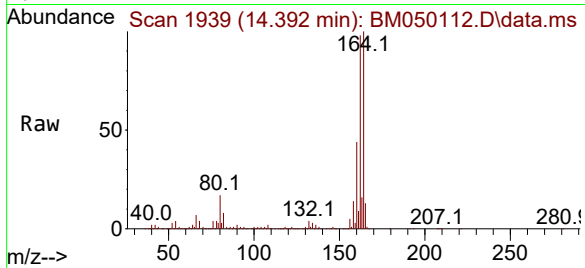




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1942
Delta R.T. -0.018 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

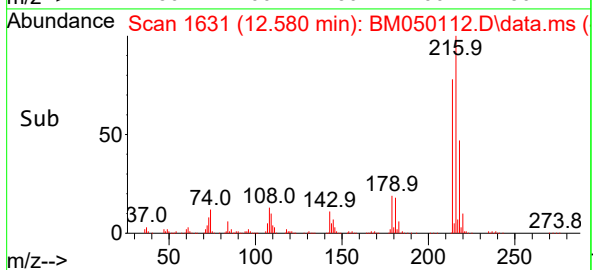
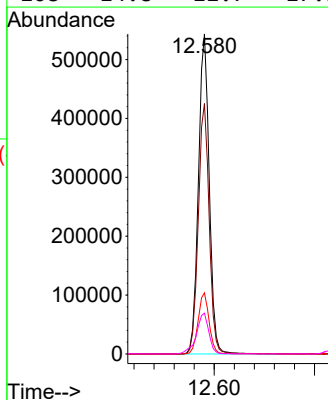
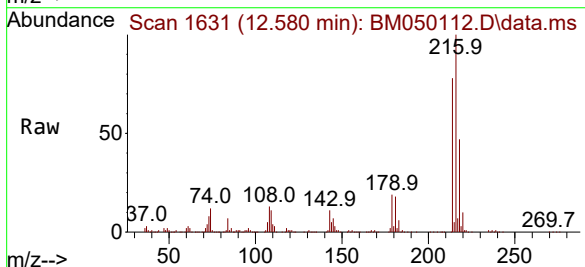
Instrument :
BNA_M
ClientSampleId :
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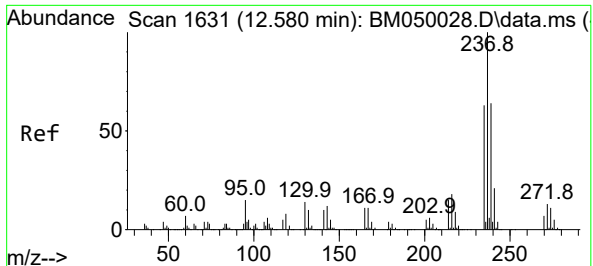
Tgt Ion:164 Resp: 616483
Ion Ratio Lower Upper
164 100
162 98.4 79.4 119.0
160 43.8 36.2 54.4



#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.108 ng
RT: 12.580 min Scan# 1631
Delta R.T. -0.018 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

Tgt Ion:216 Resp: 813267
Ion Ratio Lower Upper
216 100
214 78.7 62.3 93.5
179 19.4 15.4 23.0
108 14.8 11.7 17.5

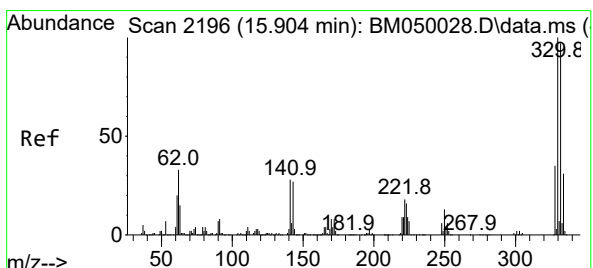
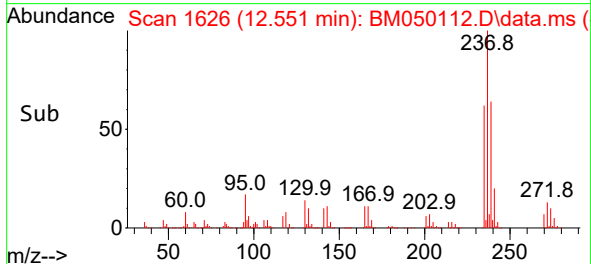
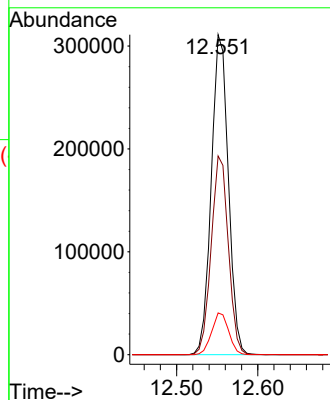
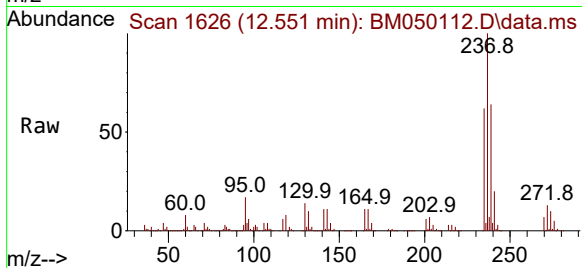




#41
Hexachlorocyclopentadiene
Concen: 34.733 ng
RT: 12.551 min Scan# 1
Delta R.T. -0.029 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

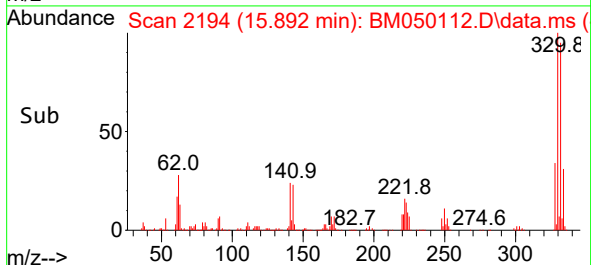
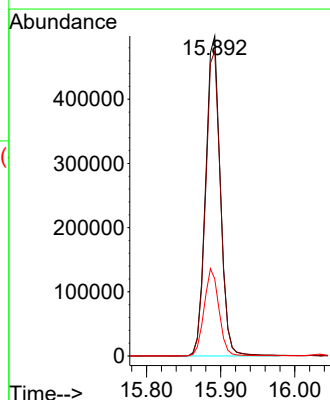
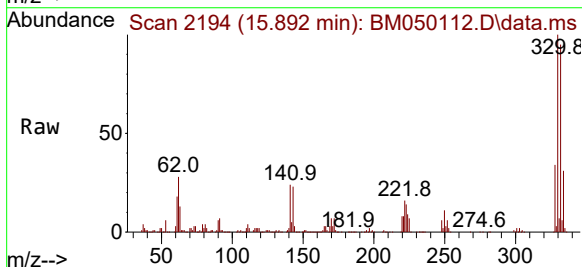
Instrument :
BNA_M
ClientSampleId :
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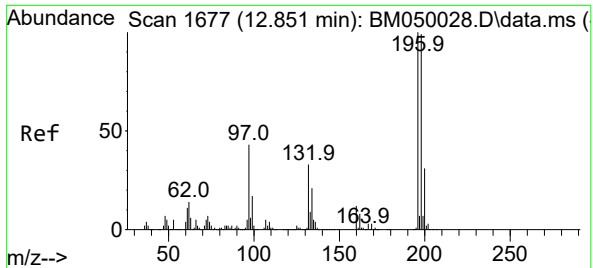
Tgt Ion:237 Resp: 452979
Ion Ratio Lower Upper
237 100
235 62.1 42.9 82.9
272 13.1 0.0 32.9



#42
2,4,6-Tribromophenol
Concen: 75.287 ng
RT: 15.892 min Scan# 2194
Delta R.T. -0.012 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

Tgt Ion:330 Resp: 686279
Ion Ratio Lower Upper
330 100
332 96.5 77.3 115.9
141 27.6 22.5 33.7

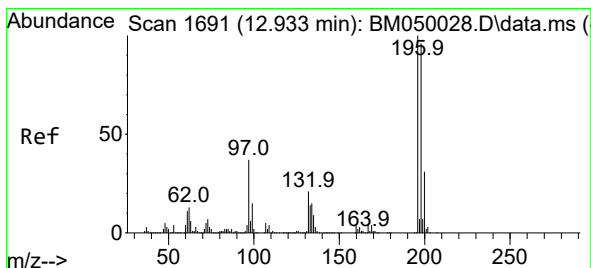
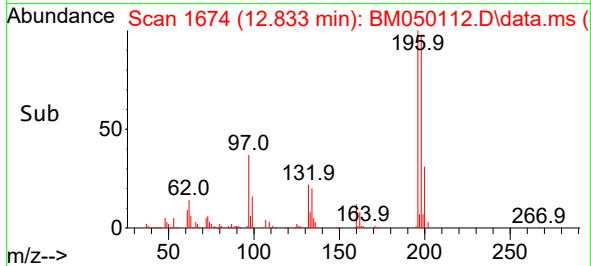
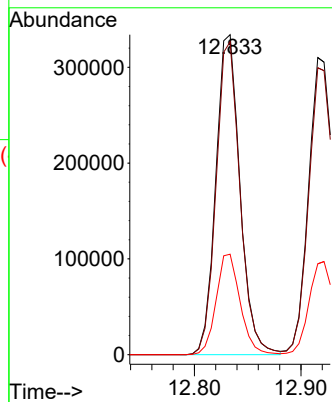
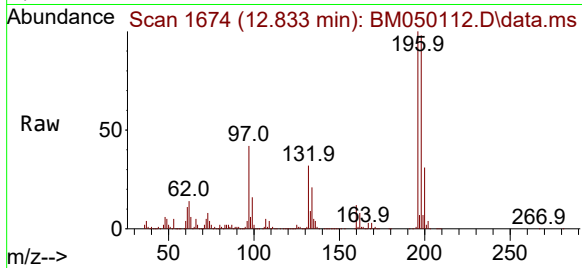




#43
2,4,6-Trichlorophenol
Concen: 38.974 ng
RT: 12.833 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

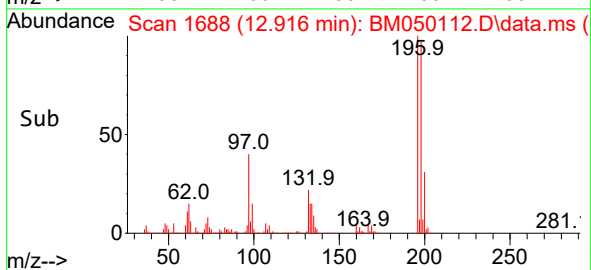
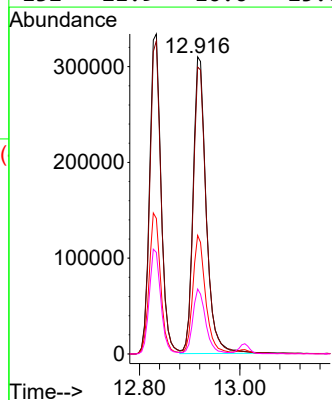
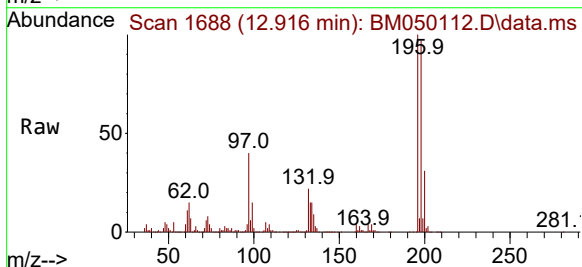
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

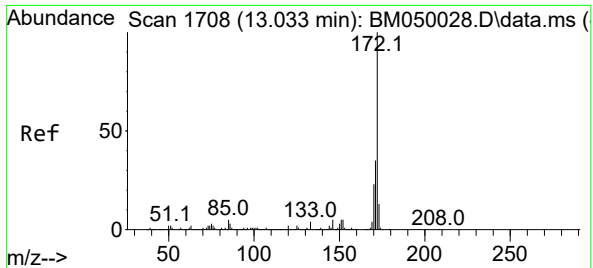
Tgt Ion:196 Resp: 527545
Ion Ratio Lower Upper
196 100
198 97.8 79.0 118.6
200 31.4 25.1 37.7



#44
2,4,5-Trichlorophenol
Concen: 38.440 ng
RT: 12.916 min Scan# 1688
Delta R.T. -0.018 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

Tgt Ion:196 Resp: 561088
Ion Ratio Lower Upper
196 100
198 96.6 76.7 115.1
97 39.9 30.1 45.1
132 21.9 16.6 25.0

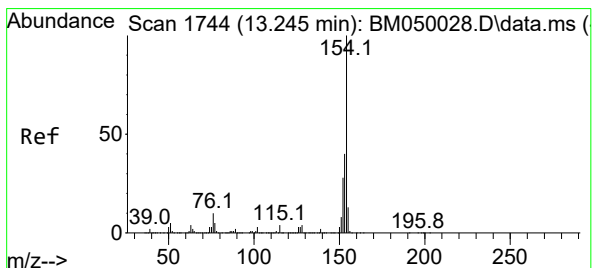
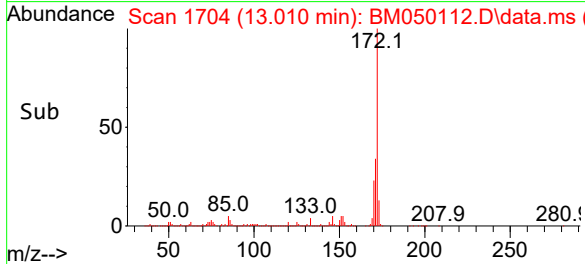
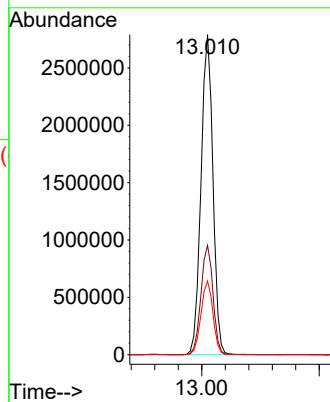
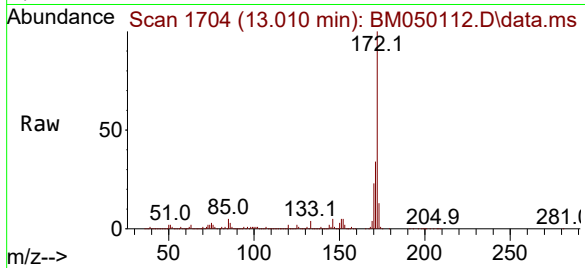




#45
2-Fluorobiphenyl
Concen: 75.257 ng
RT: 13.010 min Scan# 1704
Delta R.T. -0.023 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

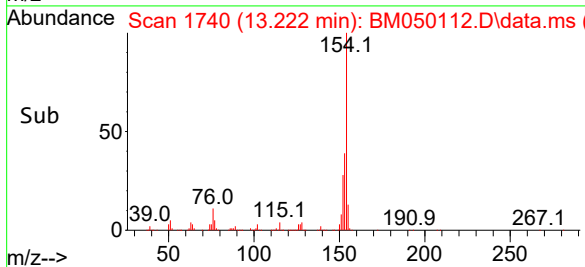
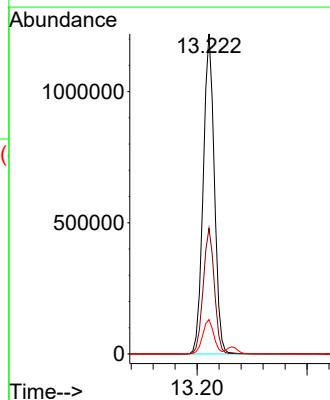
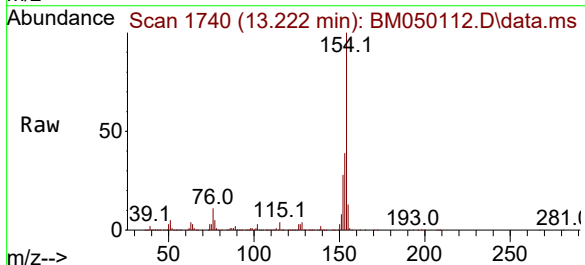
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

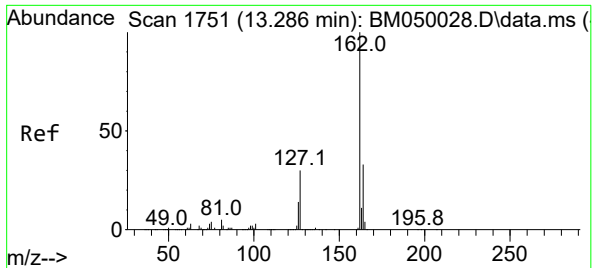
Tgt Ion:172 Resp: 3921809
Ion Ratio Lower Upper
172 100
171 34.1 27.8 41.6
170 23.0 18.6 28.0



#46
1,1'-Biphenyl
Concen: 37.483 ng
RT: 13.222 min Scan# 1740
Delta R.T. -0.023 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

Tgt Ion:154 Resp: 1717706
Ion Ratio Lower Upper
154 100
153 39.3 20.0 60.0
76 10.8 0.0 30.3

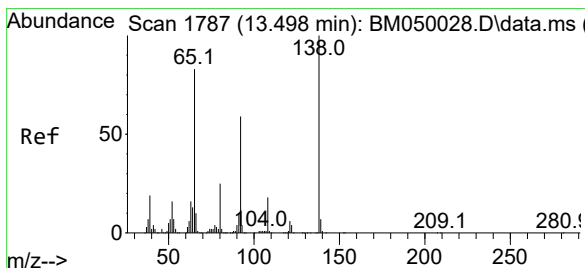
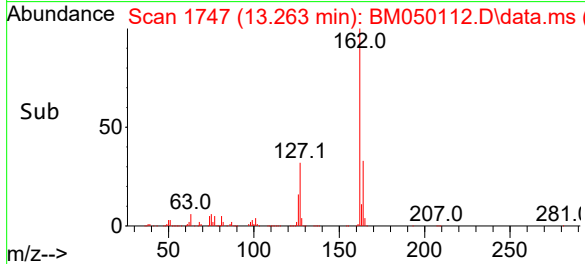
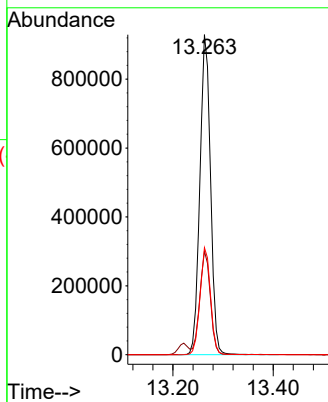
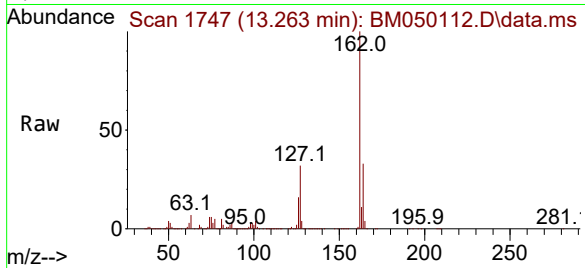




#47
2-Chloronaphthalene
Concen: 37.657 ng
RT: 13.263 min Scan# 1751
Delta R.T. -0.023 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

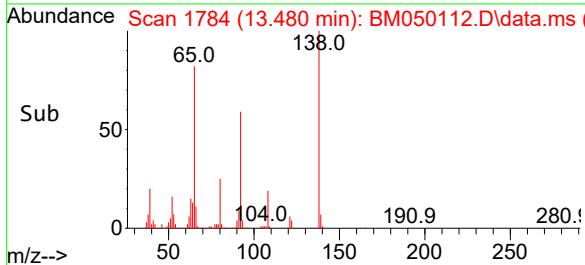
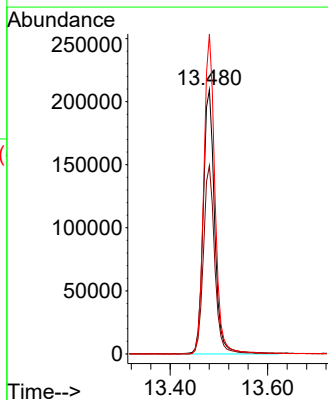
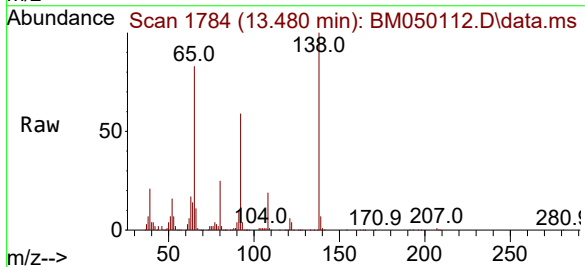
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

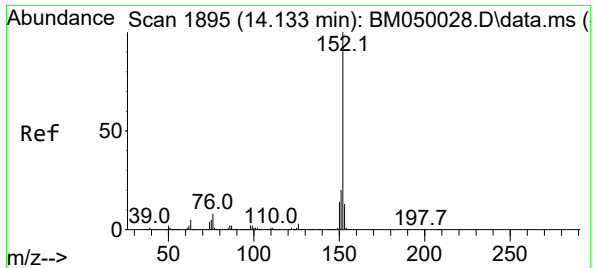
Tgt Ion:162 Resp: 1366748
Ion Ratio Lower Upper
162 100
127 32.3 25.9 38.9
164 33.5 26.6 40.0



#48
2-Nitroaniline
Concen: 40.087 ng
RT: 13.480 min Scan# 1784
Delta R.T. -0.018 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

Tgt Ion: 65 Resp: 341471
Ion Ratio Lower Upper
65 100
92 71.3 57.1 85.7
138 121.2 97.0 145.4

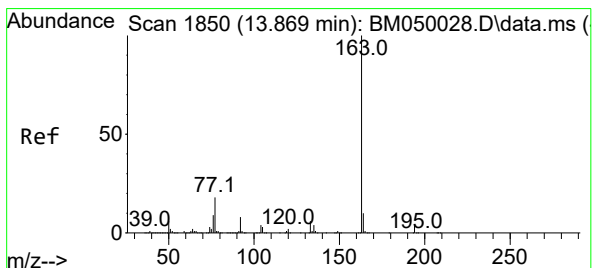
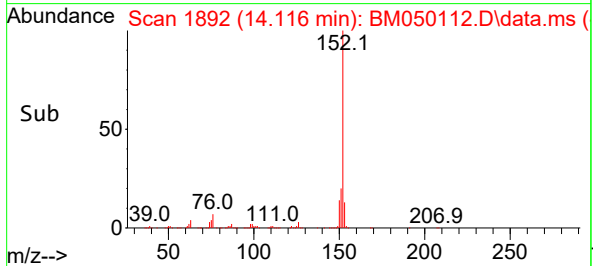
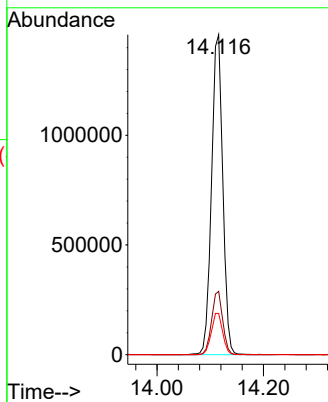
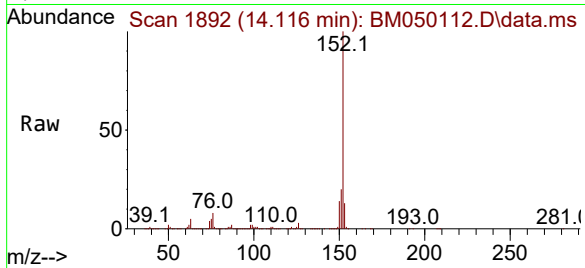




#49
Acenaphthylene
Concen: 37.291 ng
RT: 14.116 min Scan# 1892
Delta R.T. -0.018 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

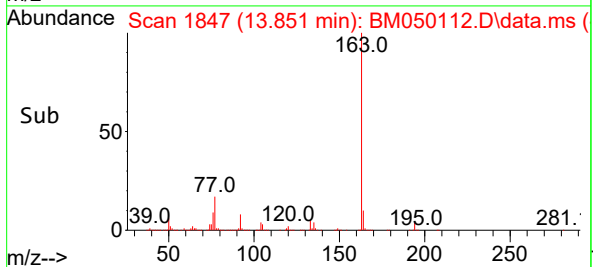
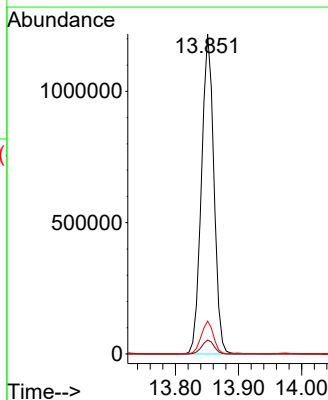
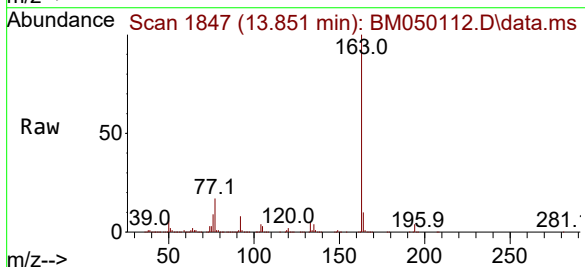
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

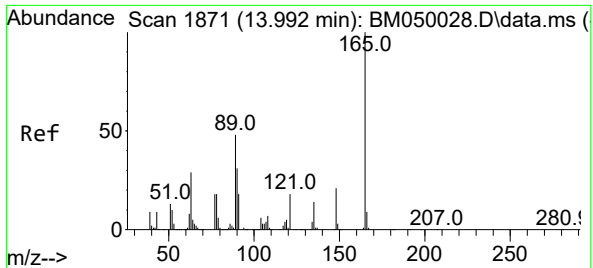
Tgt Ion:152 Resp: 2133974
Ion Ratio Lower Upper
152 100
151 19.8 15.8 23.8
153 12.9 10.6 15.8



#50
Dimethylphthalate
Concen: 37.115 ng
RT: 13.851 min Scan# 1847
Delta R.T. -0.018 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

Tgt Ion:163 Resp: 1672159
Ion Ratio Lower Upper
163 100
194 4.3 3.4 5.2
164 10.3 8.2 12.2

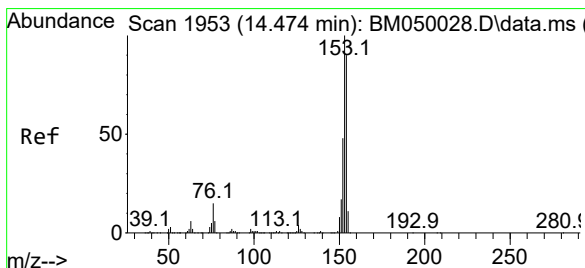
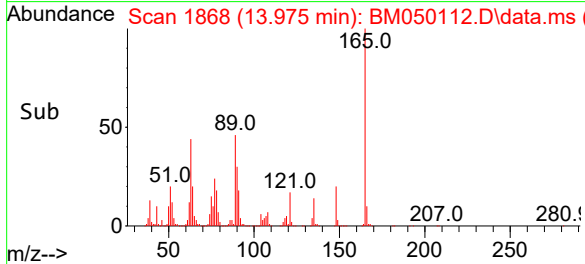
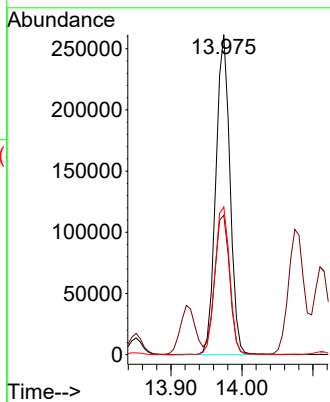
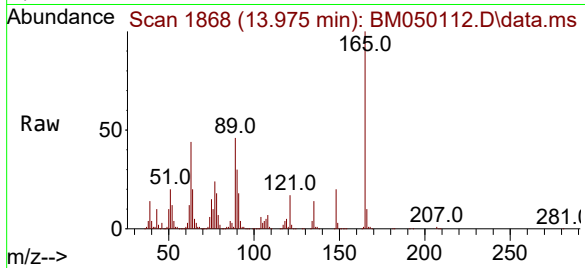




#51
2,6-Dinitrotoluene
Concen: 38.633 ng
RT: 13.975 min Scan# 1868
Delta R.T. -0.018 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

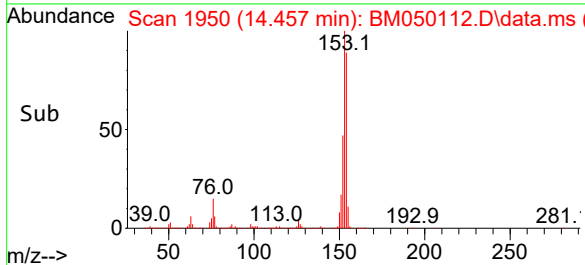
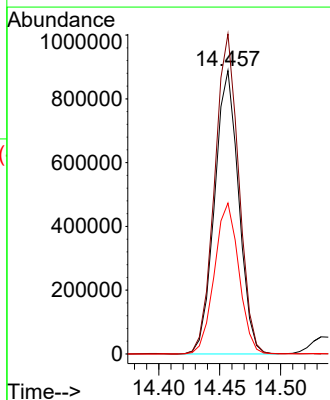
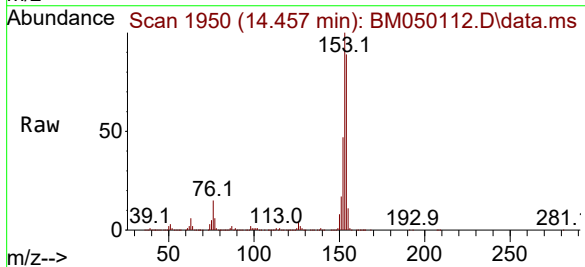
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

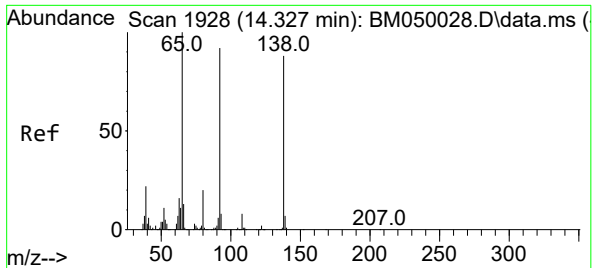
Tgt Ion:165 Resp: 360366
Ion Ratio Lower Upper
165 100
63 43.6 35.1 52.7
89 46.2 38.4 57.6



#52
Acenaphthene
Concen: 36.990 ng
RT: 14.457 min Scan# 1950
Delta R.T. -0.018 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

Tgt Ion:154 Resp: 1225254
Ion Ratio Lower Upper
154 100
153 112.9 89.0 133.4
152 53.3 43.0 64.6

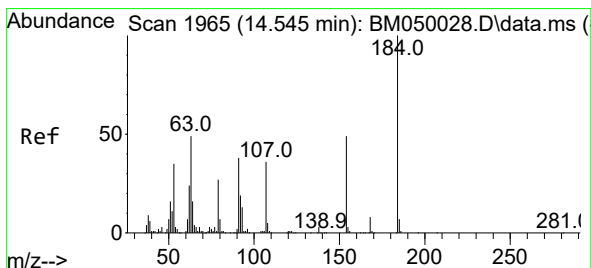
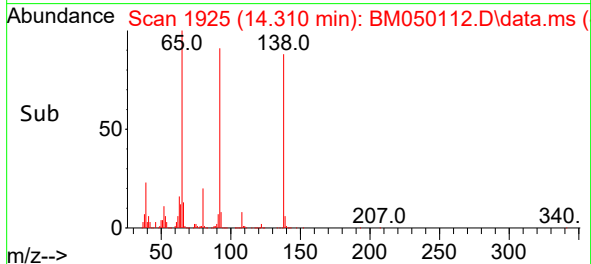
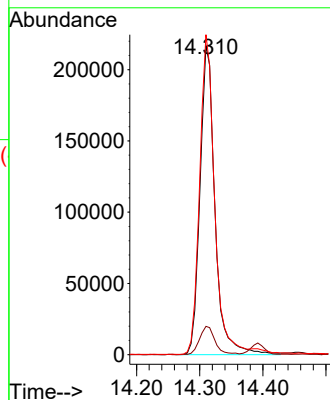
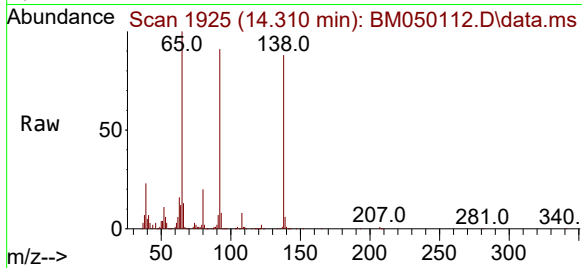




#53
3-Nitroaniline
Concen: 40.100 ng
RT: 14.310 min Scan# 1925
Delta R.T. -0.018 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

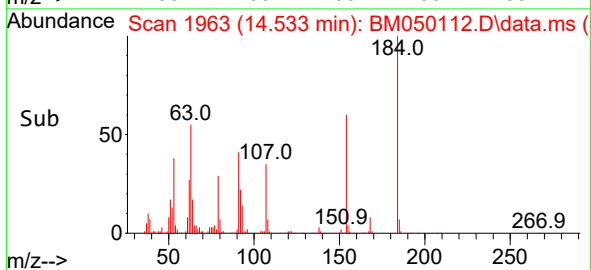
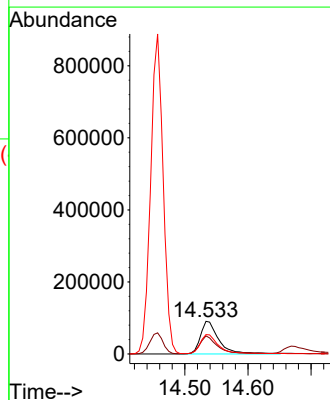
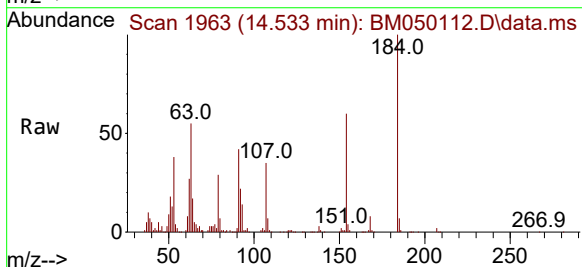
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

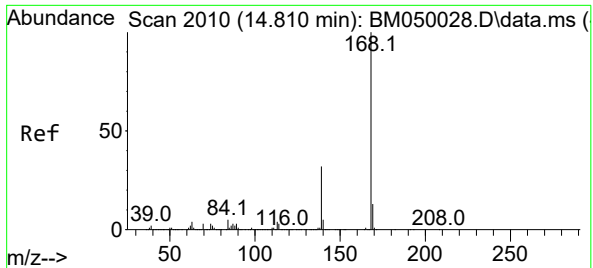
Tgt Ion:138 Resp: 357117
Ion Ratio Lower Upper
138 100
108 9.2 7.4 11.2
92 103.6 84.0 126.0



#54
2,4-Dinitrophenol
Concen: 34.233 ng
RT: 14.533 min Scan# 1963
Delta R.T. -0.012 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

Tgt Ion:184 Resp: 183229
Ion Ratio Lower Upper
184 100
63 55.5 39.8 59.6
154 59.5 46.1 69.1





#55

Dibenzenofuran

Concen: 37.060 ng

RT: 14.792 min Scan# 20

Delta R.T. -0.018 min

Lab File: BM050112.D

Acq: 06 May 2025 10:03

Instrument :

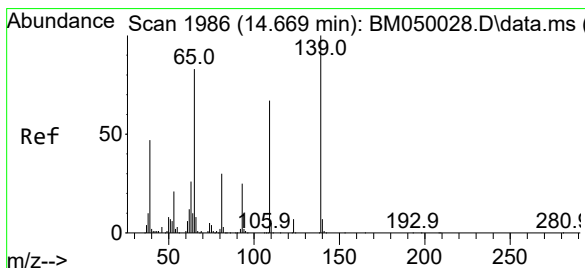
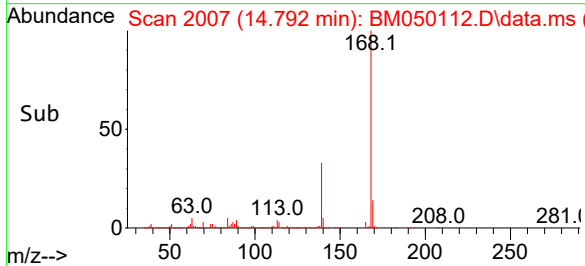
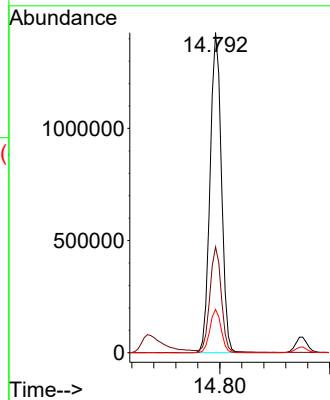
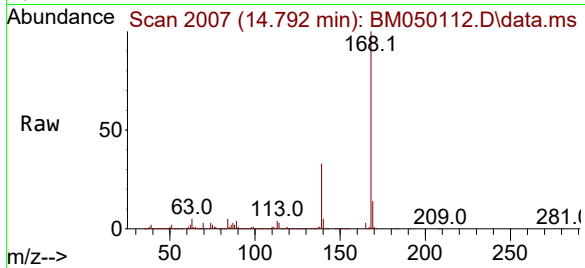
BNA_M

ClientSampleId :

SSTDCCC040

Tgt Ion:168 Resp: 2042426

Ion	Ratio	Lower	Upper
168	100		
139	33.0	26.1	39.1
169	13.5	10.8	16.2



#56

4-Nitrophenol

Concen: 34.581 ng

RT: 14.669 min Scan# 1986

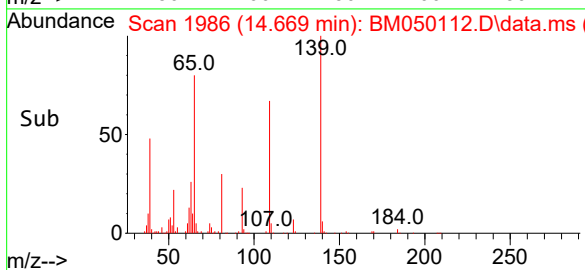
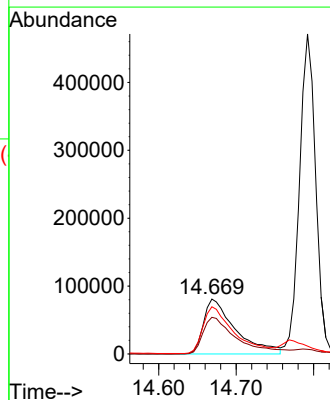
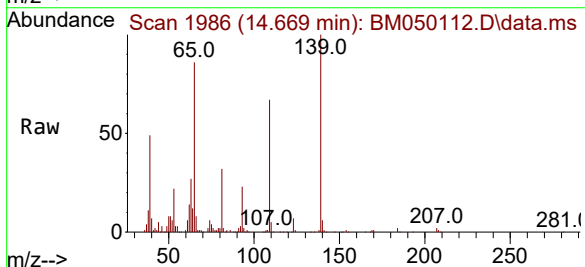
Delta R.T. -0.000 min

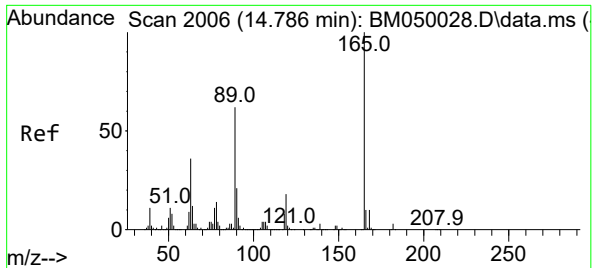
Lab File: BM050112.D

Acq: 06 May 2025 10:03

Tgt Ion:139 Resp: 230774

Ion	Ratio	Lower	Upper
139	100		
109	66.9	47.0	87.0
65	86.1	64.3	104.3

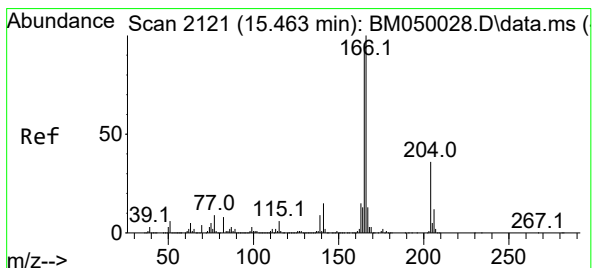
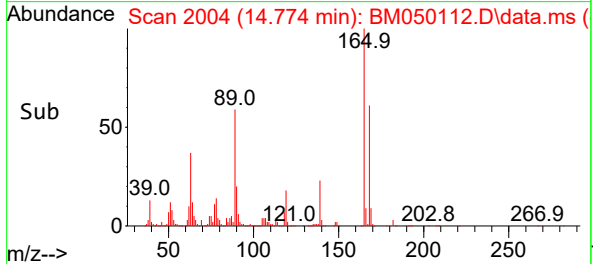
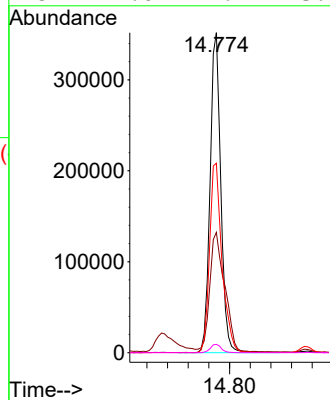
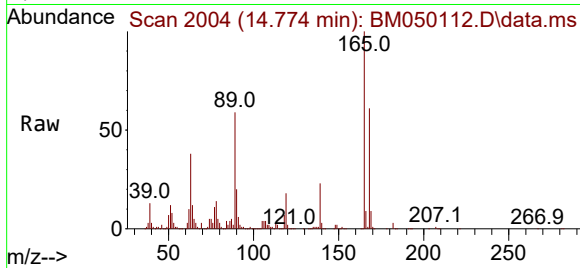




#57
2,4-Dinitrotoluene
Concen: 39.183 ng
RT: 14.774 min Scan# 20
Delta R.T. -0.012 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

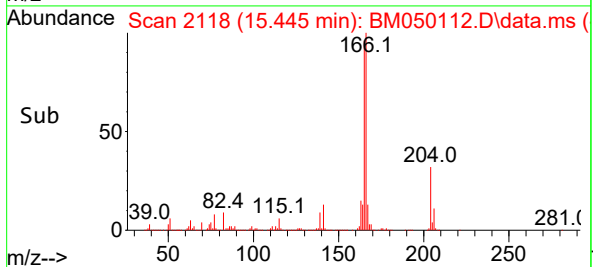
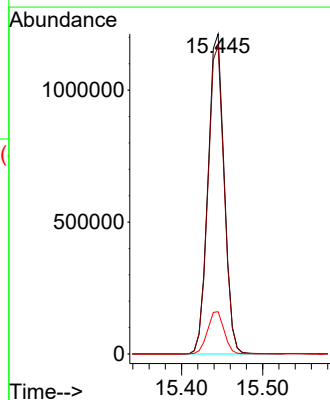
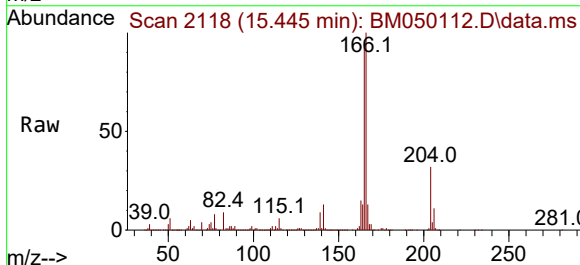
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

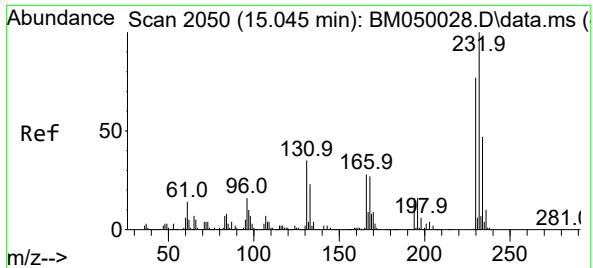
Tgt Ion:165 Resp: 505052
Ion Ratio Lower Upper
165 100
63 37.6 29.0 43.6
89 59.2 49.4 74.2
182 2.6 2.2 3.2



#58
Fluorene
Concen: 37.210 ng
RT: 15.445 min Scan# 2118
Delta R.T. -0.018 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

Tgt Ion:166 Resp: 1678531
Ion Ratio Lower Upper
166 100
165 96.3 76.6 115.0
167 13.2 10.6 16.0

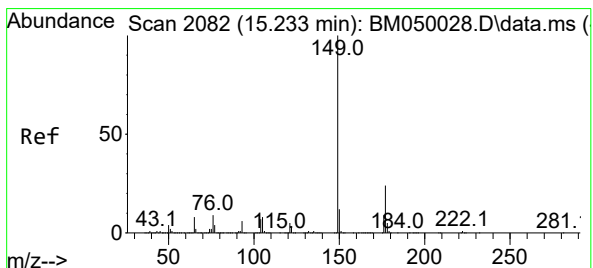
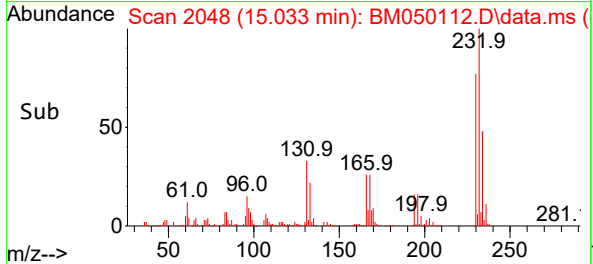
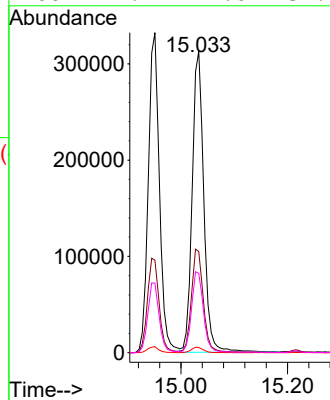
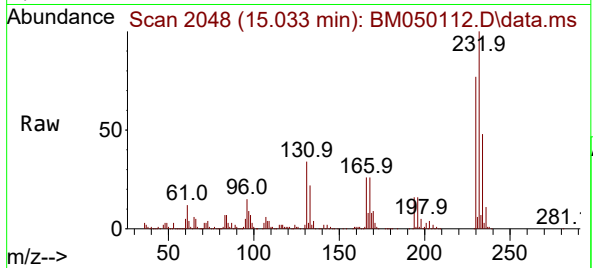




#59
2,3,4,6-Tetrachlorophenol
Concen: 37.521 ng
RT: 15.033 min Scan# 2050
Delta R.T. -0.012 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

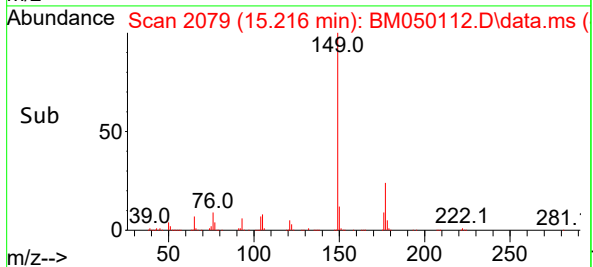
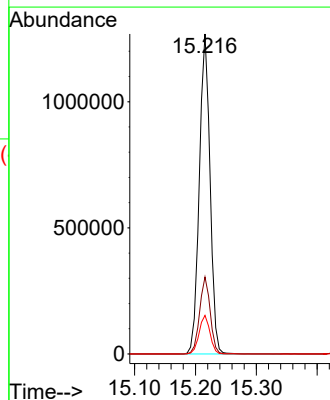
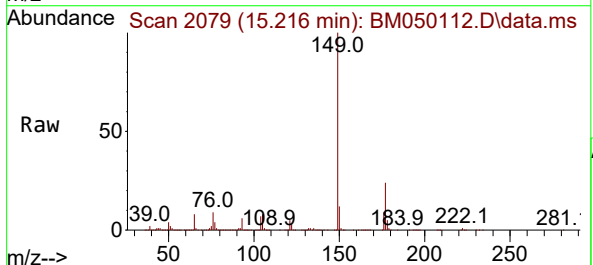
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

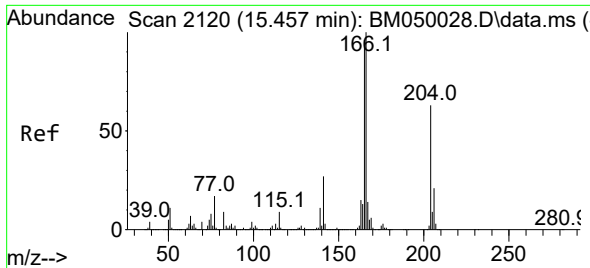
Tgt Ion:232 Resp: 474064
Ion Ratio Lower Upper
232 100
131 35.5 28.2 42.4
130 1.9 1.5 2.3
166 27.2 22.6 34.0



#60
Diethylphthalate
Concen: 36.577 ng
RT: 15.216 min Scan# 2079
Delta R.T. -0.018 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

Tgt Ion:149 Resp: 1552791
Ion Ratio Lower Upper
149 100
177 24.1 19.1 28.7
150 12.0 9.6 14.4

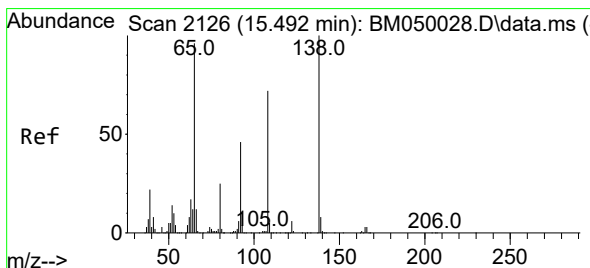
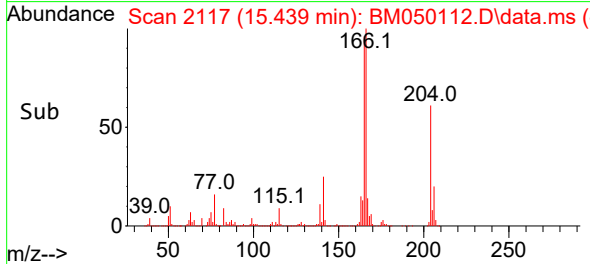
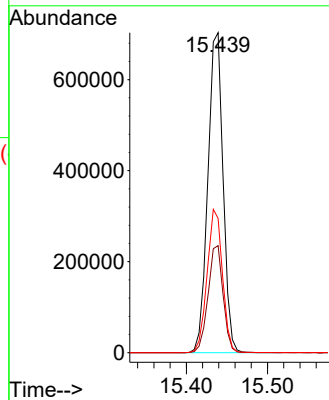
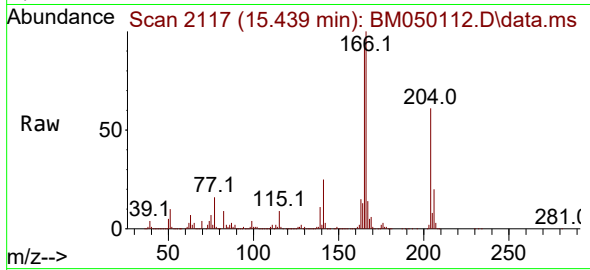




#61
4-Chlorophenyl-phenylether
Concen: 36.846 ng
RT: 15.439 min Scan# 2117
Delta R.T. -0.018 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

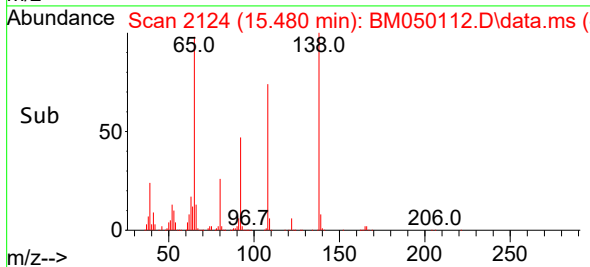
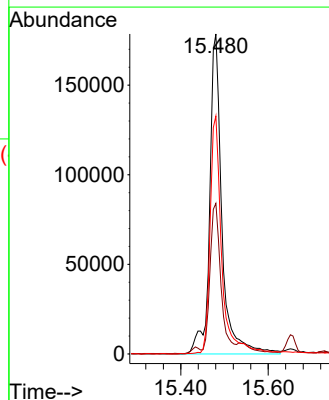
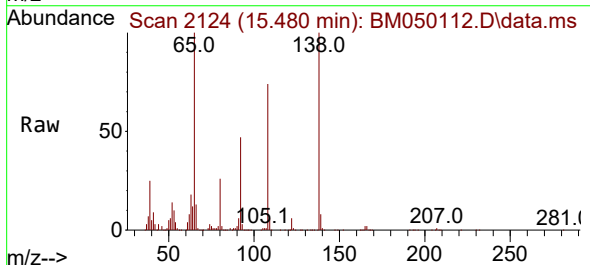
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

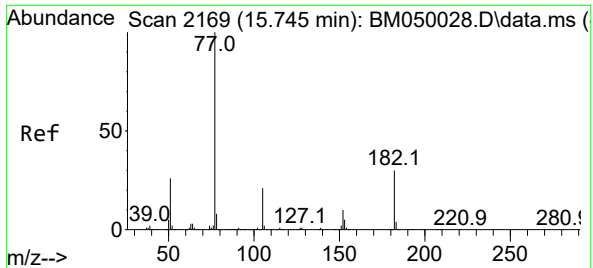
Tgt Ion:204 Resp: 912927
Ion Ratio Lower Upper
204 100
206 33.5 26.3 39.5
141 42.0 34.0 51.0



#62
4-Nitroaniline
Concen: 40.620 ng
RT: 15.480 min Scan# 2124
Delta R.T. -0.012 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

Tgt Ion:138 Resp: 349016
Ion Ratio Lower Upper
138 100
92 47.0 25.9 65.9
108 74.4 52.4 92.4

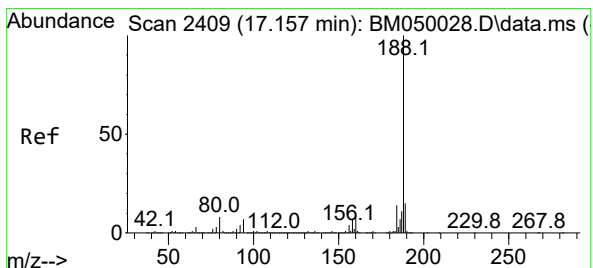
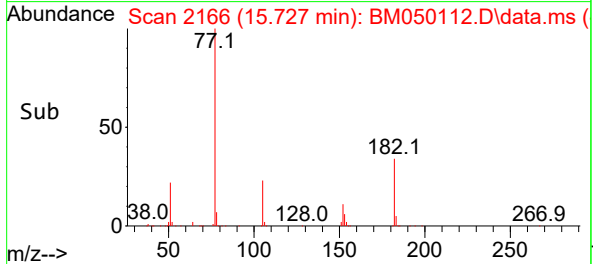
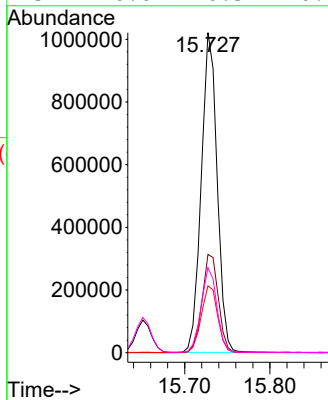
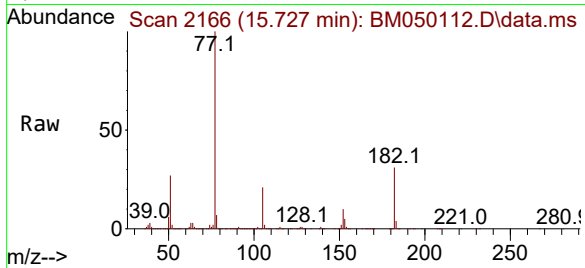




#63
Azobenzene
Concen: 37.065 ng
RT: 15.727 min Scan# 2166
Delta R.T. -0.018 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

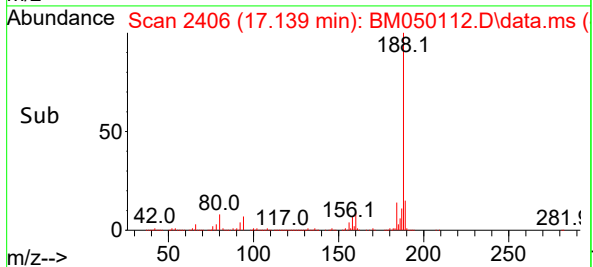
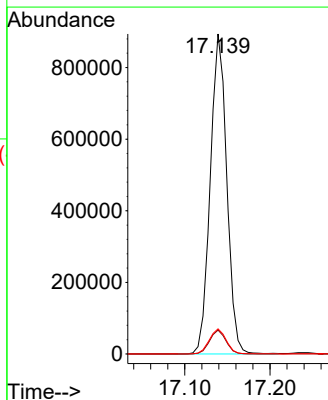
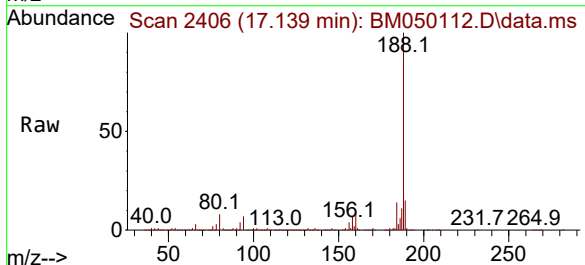
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

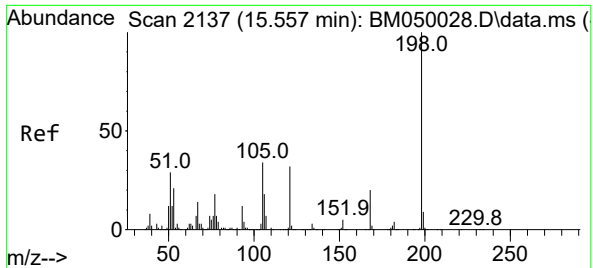
Tgt Ion: 77 Resp: 1318699
Ion Ratio Lower Upper
77 100
182 30.7 10.5 50.5
105 20.9 1.1 41.1
51 26.6 6.3 46.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.139 min Scan# 2406
Delta R.T. -0.018 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

Tgt Ion: 188 Resp: 1203468
Ion Ratio Lower Upper
188 100
94 7.5 5.7 8.5
80 7.9 6.2 9.4

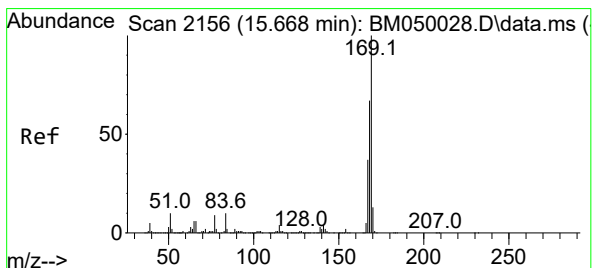
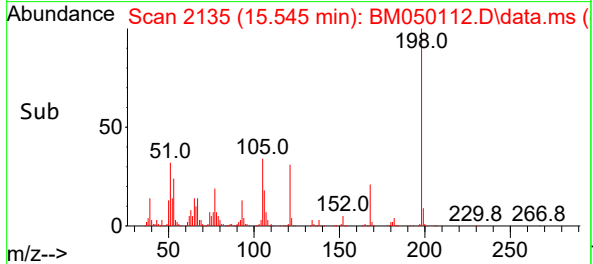
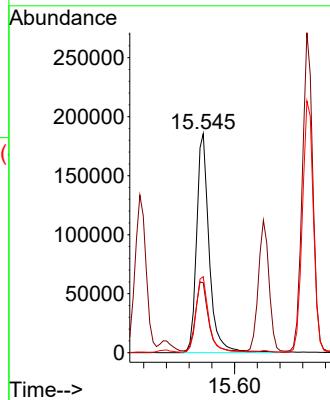
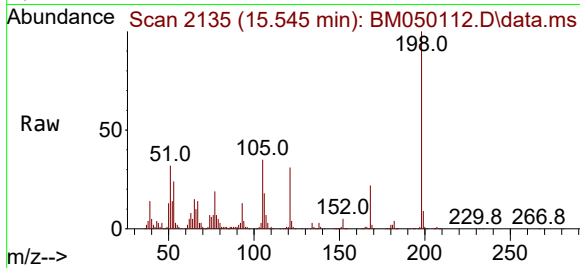




#65
4,6-Dinitro-2-methylphenol
Concen: 38.009 ng
RT: 15.545 min Scan# 2135
Delta R.T. -0.012 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

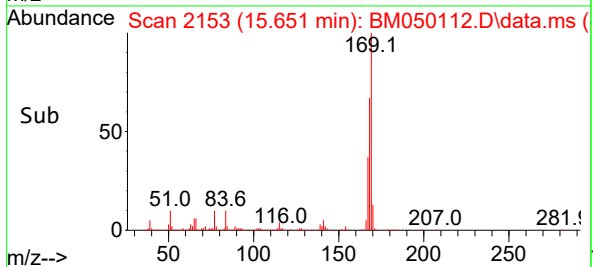
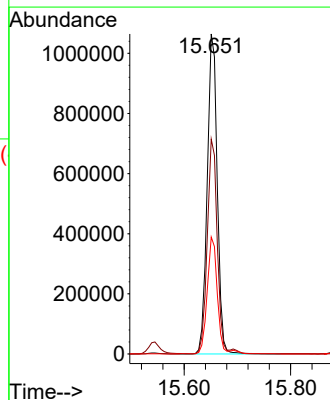
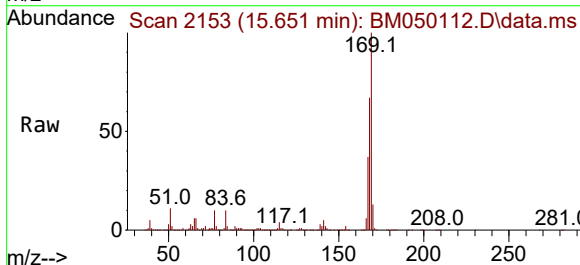
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

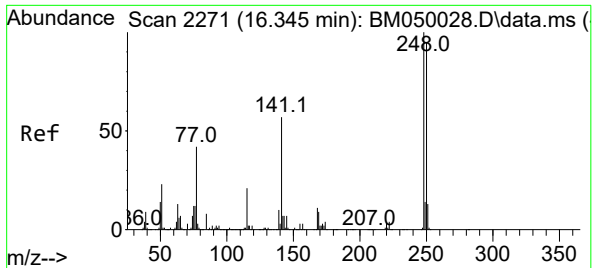
Tgt Ion:198 Resp: 286334
Ion Ratio Lower Upper
198 100
51 31.9 10.4 50.4
105 34.7 14.6 54.6



#66
n-Nitrosodiphenylamine
Concen: 37.674 ng
RT: 15.651 min Scan# 2153
Delta R.T. -0.018 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

Tgt Ion:169 Resp: 1392242
Ion Ratio Lower Upper
169 100
168 67.1 53.4 80.2
167 36.6 29.4 44.0

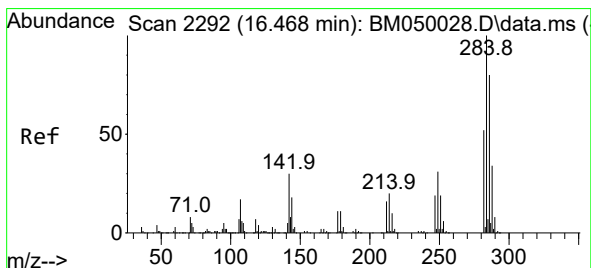
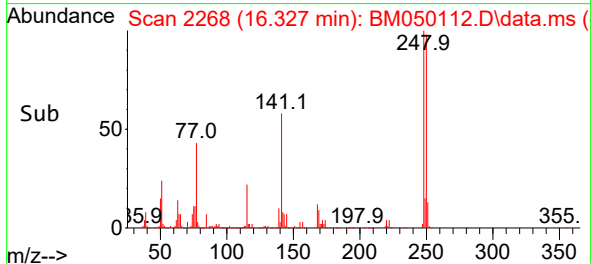
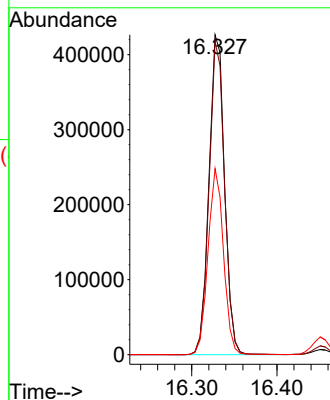
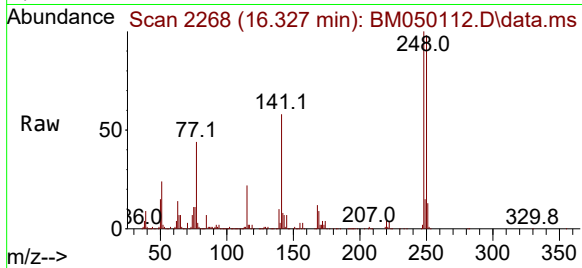




#67
4-Bromophenyl-phenylether
Concen: 37.275 ng
RT: 16.327 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

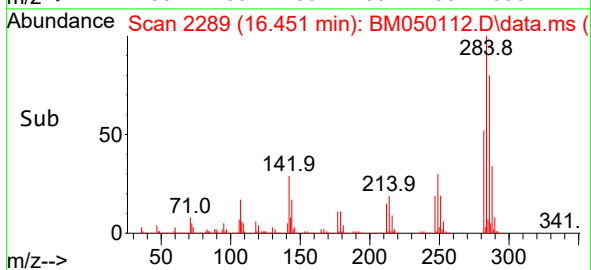
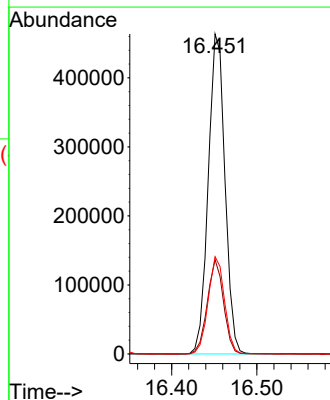
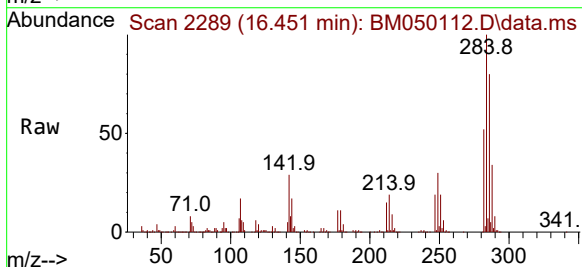
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

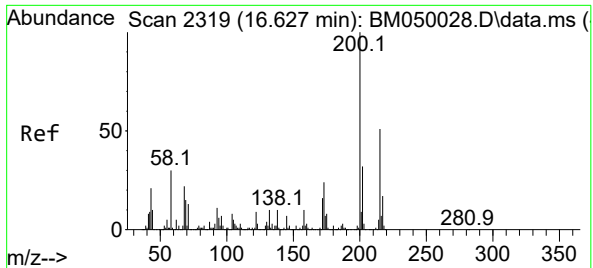
Tgt Ion	Ratio	Lower	Upper
248	100		
250	97.9	76.2	114.2
141	58.2	45.9	68.9



#68
Hexachlorobenzene
Concen: 37.574 ng
RT: 16.451 min Scan# 2289
Delta R.T. -0.018 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

Tgt Ion	Ratio	Lower	Upper
284	100		
142	29.4	23.9	35.9
249	30.4	24.5	36.7

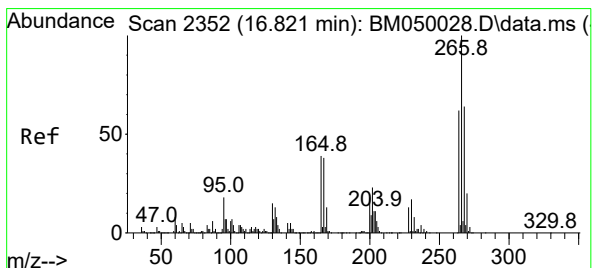
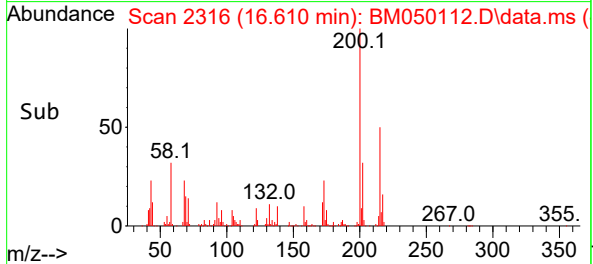
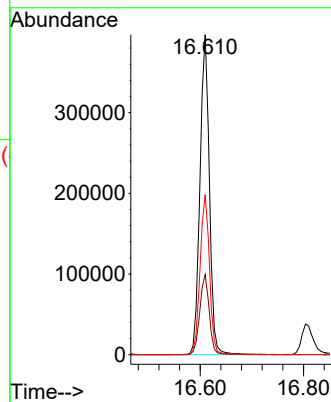
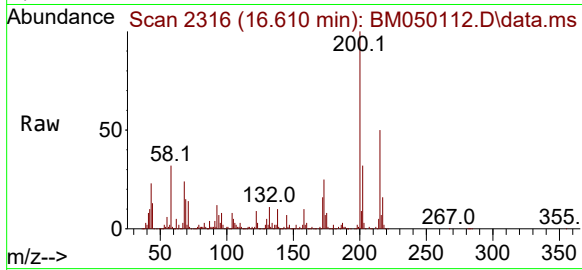




#69
Atrazine
Concen: 37.715 ng
RT: 16.610 min Scan# 21
Delta R.T. -0.017 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

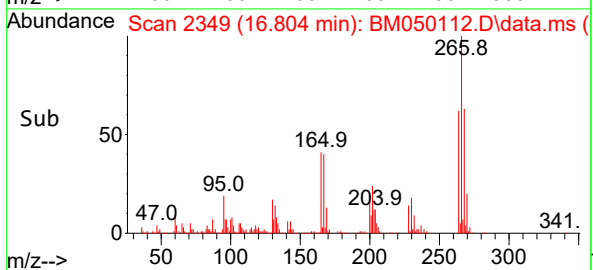
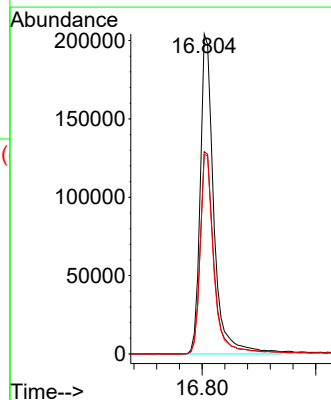
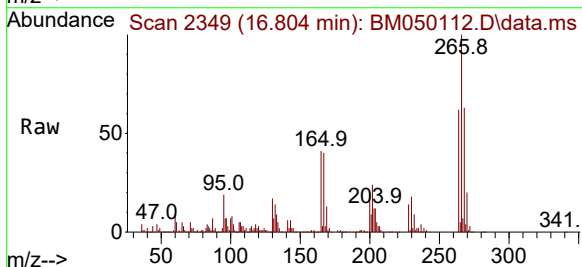
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

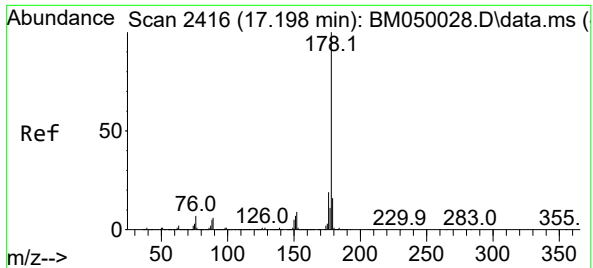
Tgt Ion:200 Resp: 502744
Ion Ratio Lower Upper
200 100
173 25.0 4.3 44.3
215 50.0 30.6 70.6



#70
Pentachlorophenol
Concen: 36.021 ng
RT: 16.804 min Scan# 2349
Delta R.T. -0.017 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

Tgt Ion:266 Resp: 340135
Ion Ratio Lower Upper
266 100
268 63.2 51.2 76.8
264 62.3 49.6 74.4

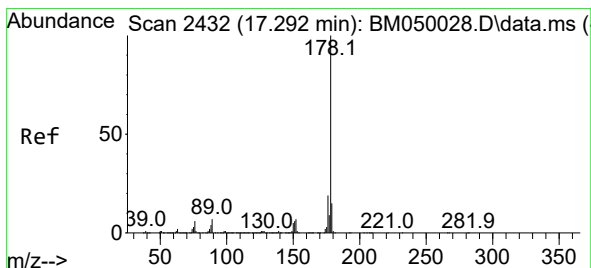
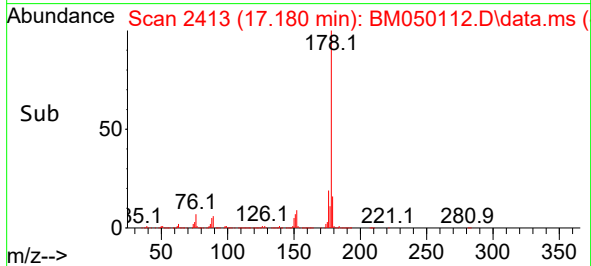
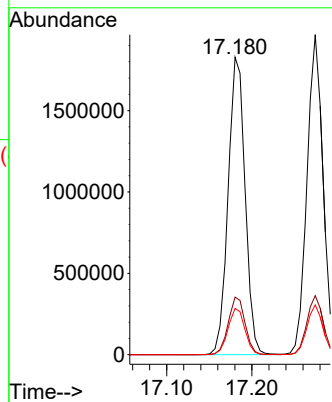
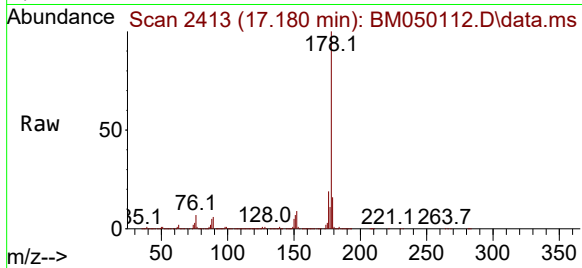




#71
Phenanthrene
Concen: 37.297 ng
RT: 17.180 min Scan# 2416
Delta R.T. -0.018 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

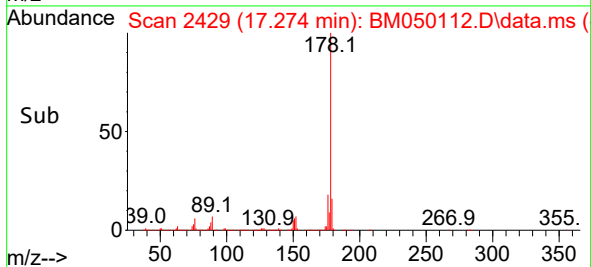
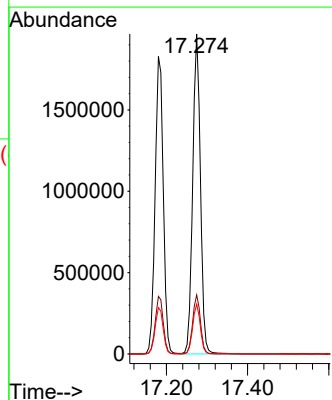
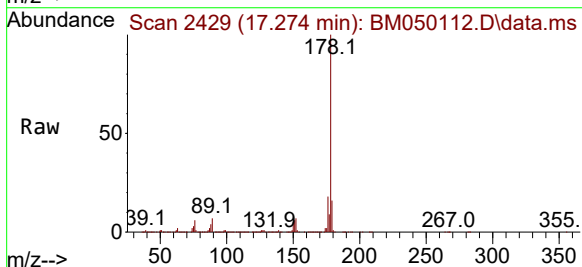
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

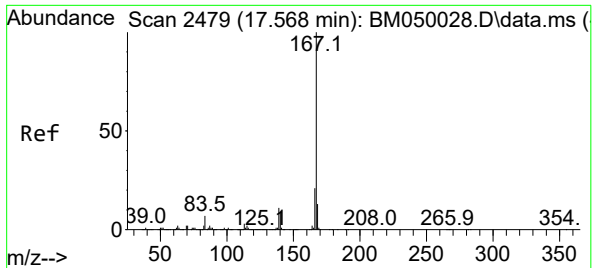
Tgt Ion:178 Resp: 2531629
Ion Ratio Lower Upper
178 100
176 19.4 15.3 22.9
179 15.5 12.4 18.6



#72
Anthracene
Concen: 37.832 ng
RT: 17.274 min Scan# 2429
Delta R.T. -0.018 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

Tgt Ion:178 Resp: 2598718
Ion Ratio Lower Upper
178 100
176 18.5 15.0 22.4
179 15.6 12.2 18.4

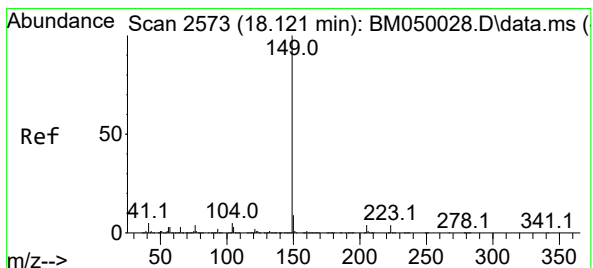
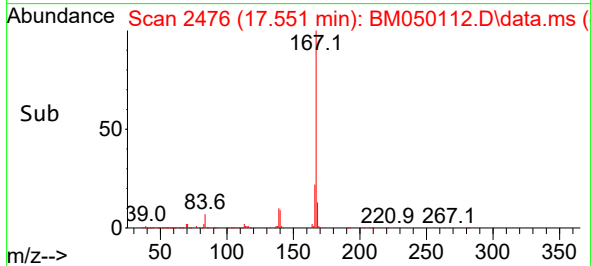
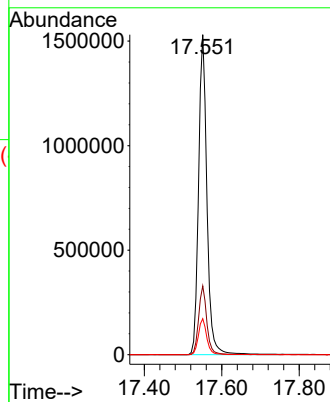
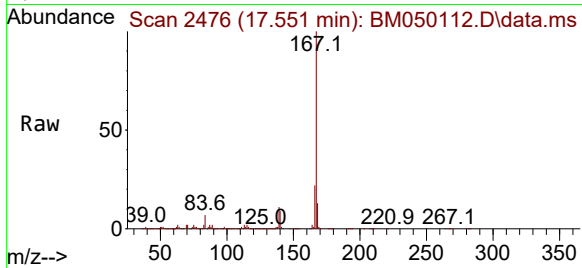




#73
Carbazole
Concen: 38.394 ng
RT: 17.551 min Scan# 2479
Delta R.T. -0.018 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

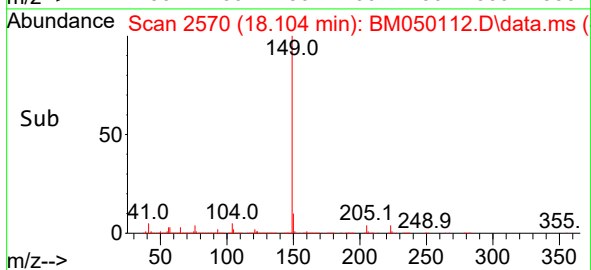
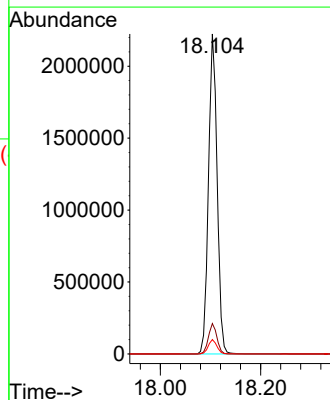
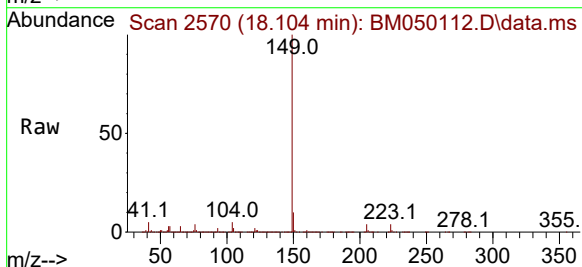
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

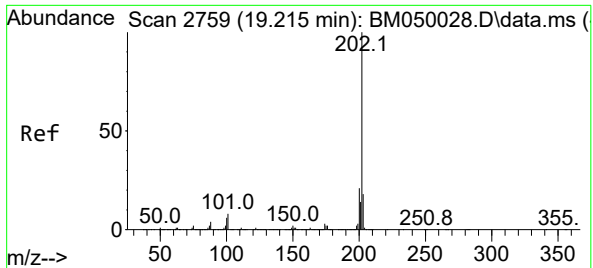
Tgt Ion:167 Resp: 2288501
Ion Ratio Lower Upper
167 100
166 21.5 17.2 25.8
139 11.3 9.0 13.6



#74
Di-n-butylphthalate
Concen: 37.606 ng
RT: 18.104 min Scan# 2570
Delta R.T. -0.018 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

Tgt Ion:149 Resp: 2669468
Ion Ratio Lower Upper
149 100
150 9.5 7.3 10.9
104 4.5 3.8 5.6

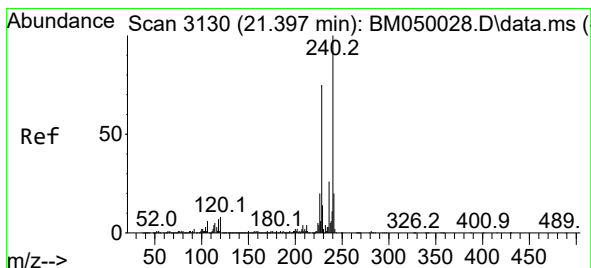
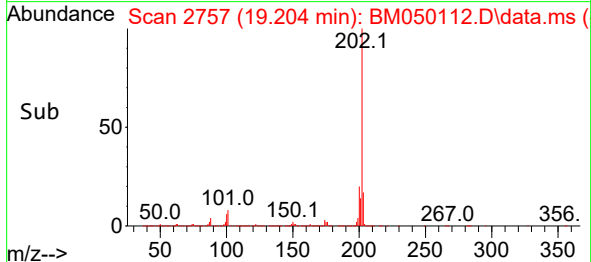
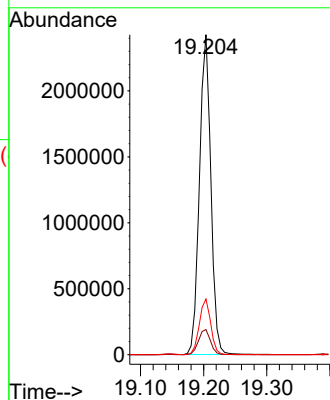
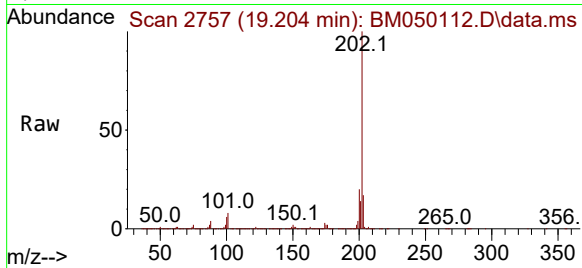




#75
Fluoranthene
Concen: 38.044 ng
RT: 19.204 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

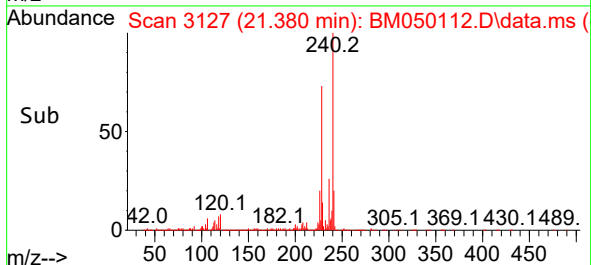
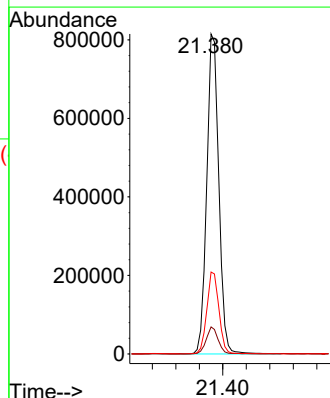
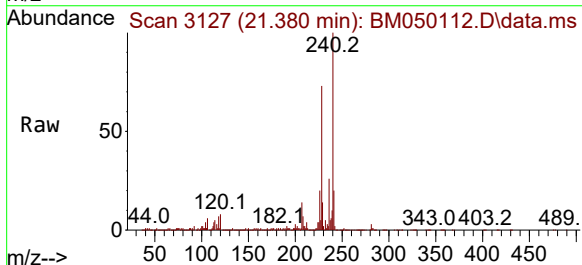
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

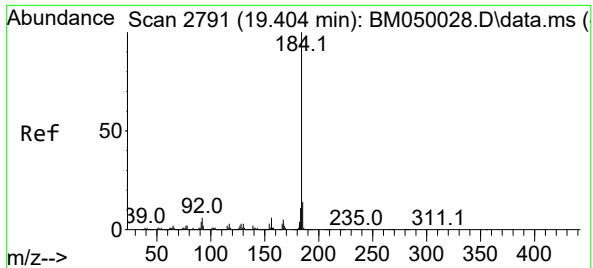
Tgt Ion:202 Resp: 3031823
Ion Ratio Lower Upper
202 100
101 7.8 0.0 28.0
203 17.4 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.380 min Scan# 3127
Delta R.T. -0.017 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

Tgt Ion:240 Resp: 1155475
Ion Ratio Lower Upper
240 100
120 8.5 6.5 9.7
236 25.6 20.9 31.3

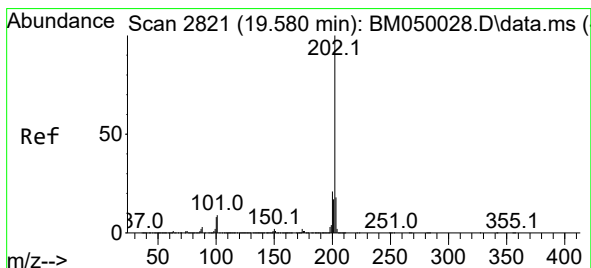
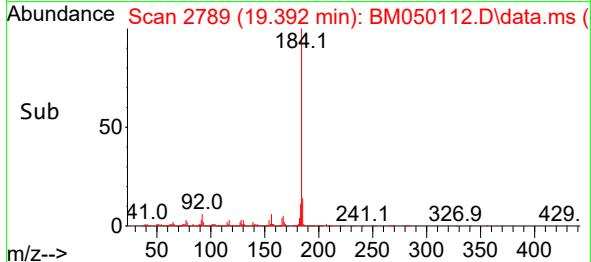
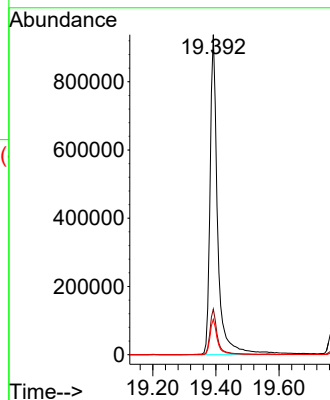
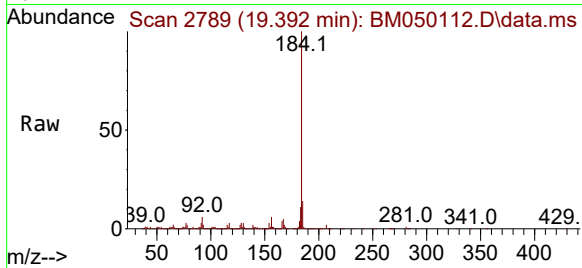




#77
Benzidine
Concen: 38.104 ng
RT: 19.392 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

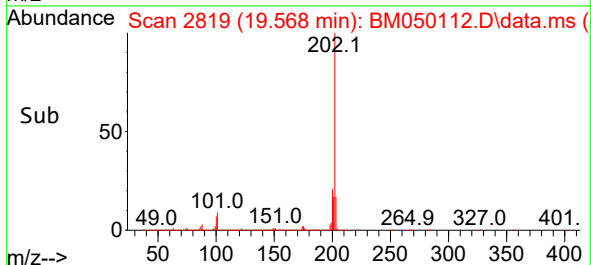
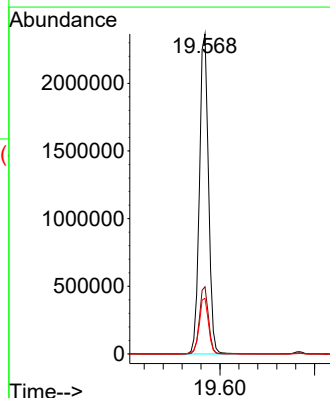
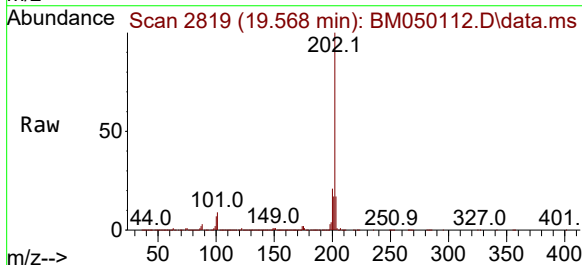
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

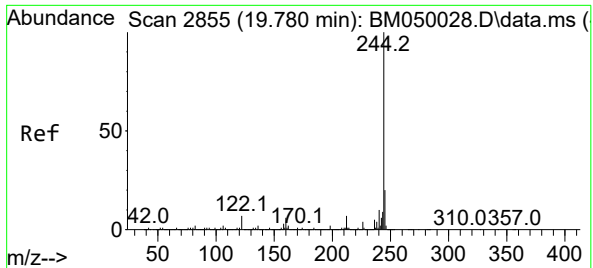
Tgt Ion:184 Resp: 1563898
Ion Ratio Lower Upper
184 100
185 14.3 11.5 17.3
183 11.1 8.9 13.3



#78
Pyrene
Concen: 38.517 ng
RT: 19.568 min Scan# 2819
Delta R.T. -0.012 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

Tgt Ion:202 Resp: 3125279
Ion Ratio Lower Upper
202 100
200 21.0 16.7 25.1
203 17.4 14.1 21.1

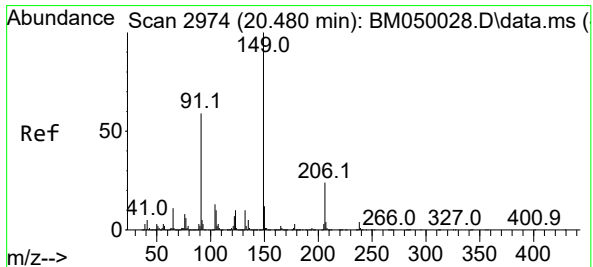
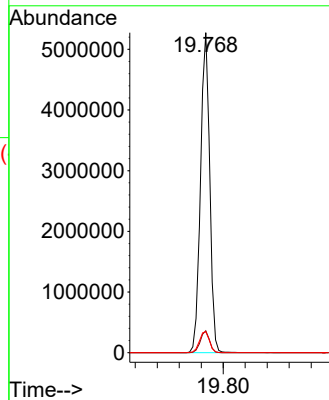
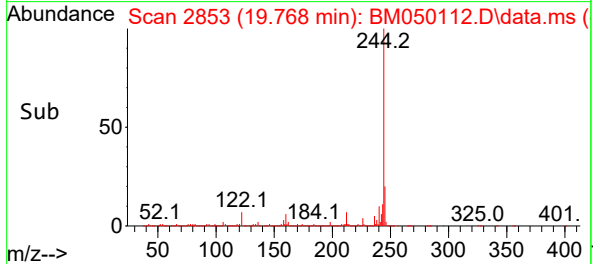
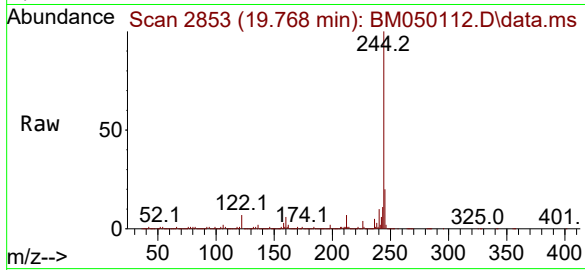




#79
Terphenyl-d14
Concen: 78.628 ng
RT: 19.768 min Scan# 2853
Delta R.T. -0.012 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

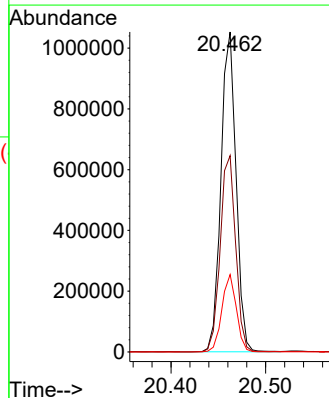
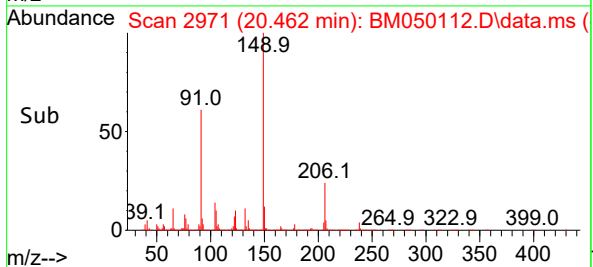
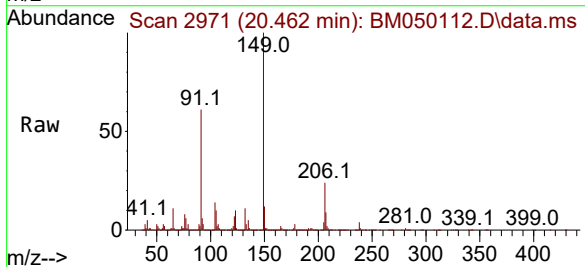
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

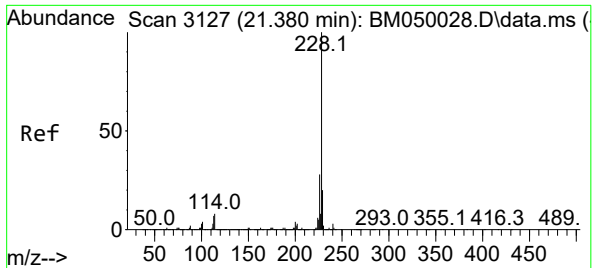
Tgt Ion:244 Resp: 6139793
Ion Ratio Lower Upper
244 100
212 6.9 5.6 8.4
122 6.6 5.6 8.4



#80
Butylbenzylphthalate
Concen: 38.395 ng
RT: 20.462 min Scan# 2971
Delta R.T. -0.018 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

Tgt Ion:149 Resp: 1166830
Ion Ratio Lower Upper
149 100
91 61.4 47.4 71.2
206 24.2 19.4 29.0

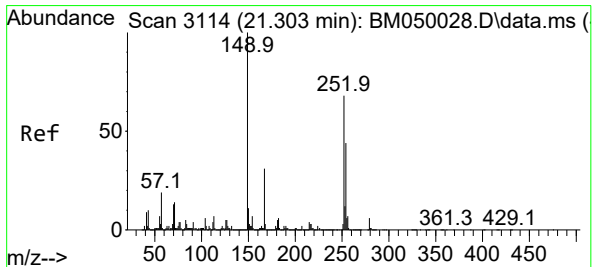
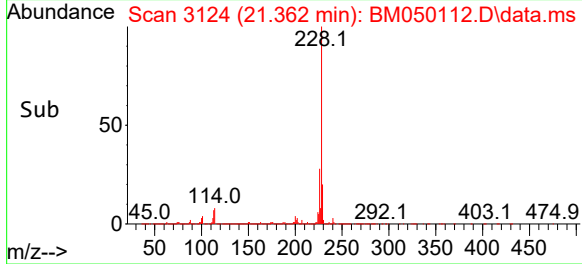
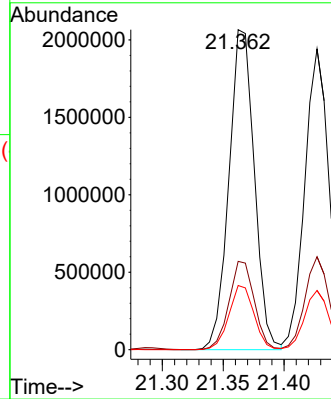
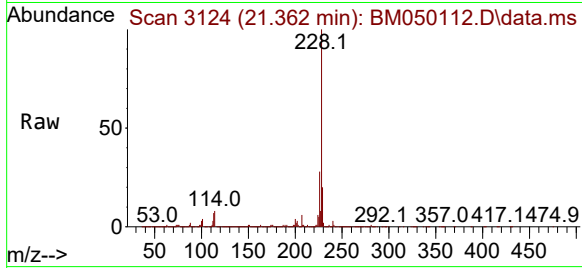




#81
Benzo(a)anthracene
Concen: 37.663 ng
RT: 21.362 min Scan# 3112
Delta R.T. -0.018 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

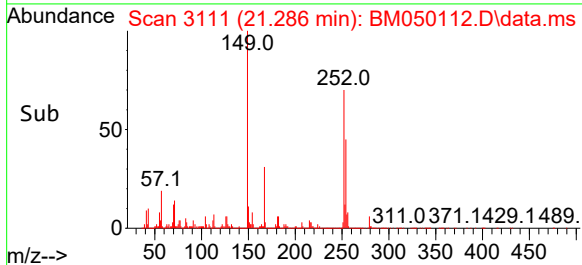
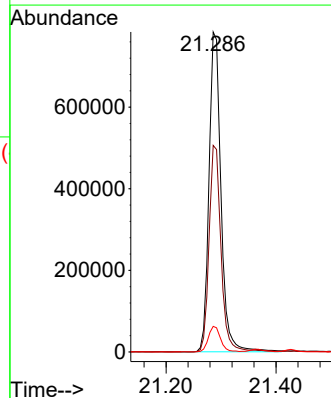
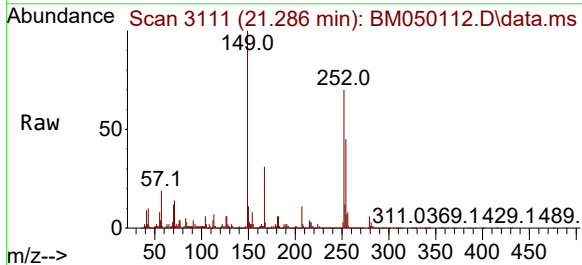
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

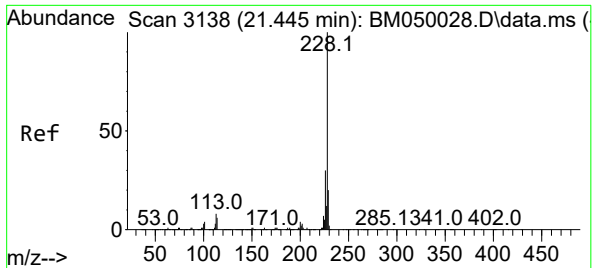
Tgt Ion:228 Resp: 2996833
Ion Ratio Lower Upper
228 100
226 27.6 22.1 33.1
229 20.1 15.7 23.5



#82
3,3'-Dichlorobenzidine
Concen: 38.898 ng
RT: 21.286 min Scan# 3111
Delta R.T. -0.018 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

Tgt Ion:252 Resp: 1184813
Ion Ratio Lower Upper
252 100
254 64.6 51.8 77.6
126 8.0 6.0 9.0

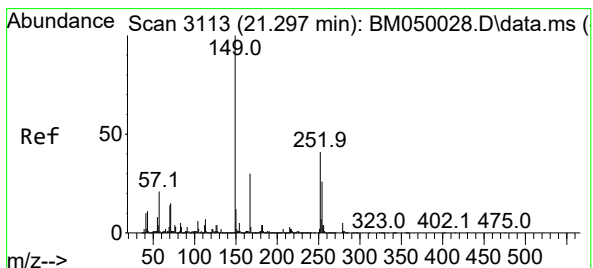
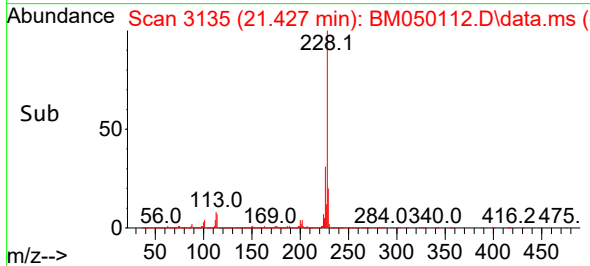
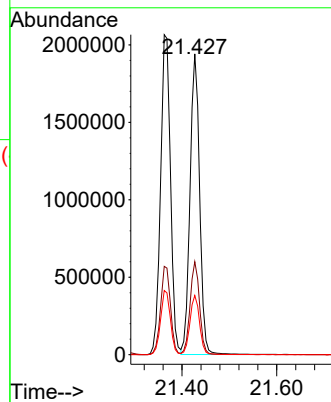
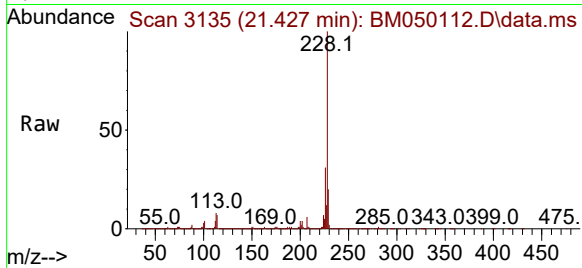




#83
Chrysene
Concen: 37.094 ng
RT: 21.427 min Scan# 3110
Delta R.T. -0.018 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

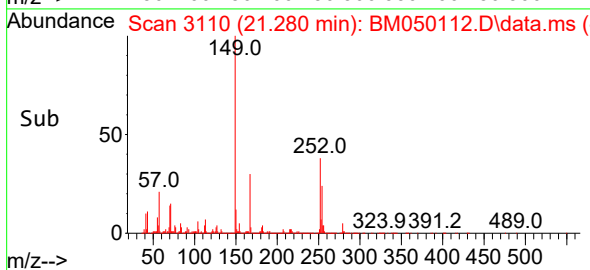
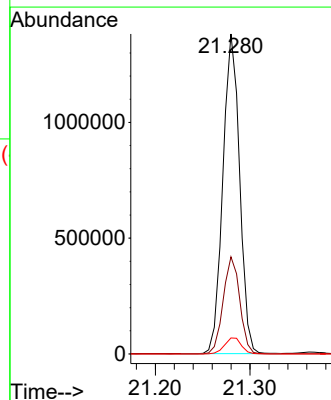
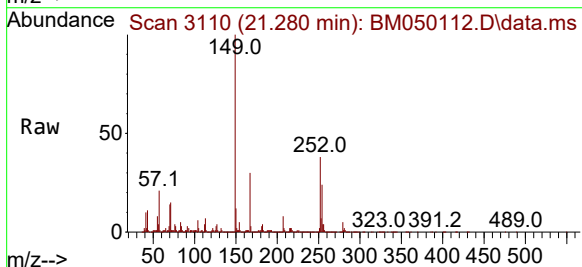
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

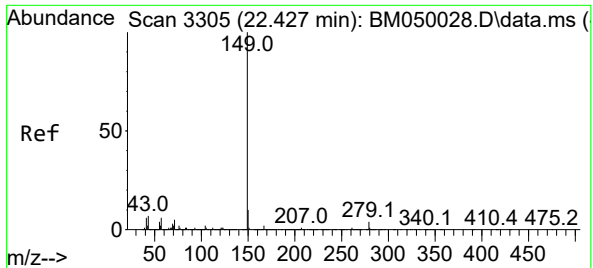
Tgt Ion:228 Resp: 2731694
Ion Ratio Lower Upper
228 100
226 30.9 24.2 36.2
229 19.7 15.7 23.5



#84
Bis(2-ethylhexyl)phthalate
Concen: 37.381 ng
RT: 21.280 min Scan# 3110
Delta R.T. -0.018 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

Tgt Ion:149 Resp: 1696855
Ion Ratio Lower Upper
149 100
167 30.3 24.1 36.1
279 5.0 3.9 5.9

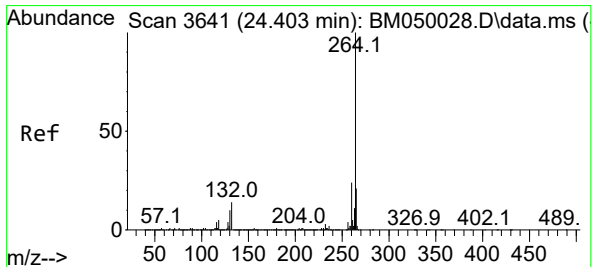
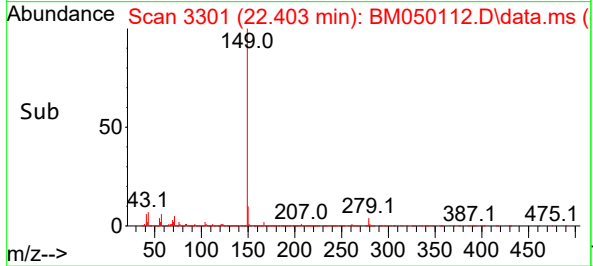
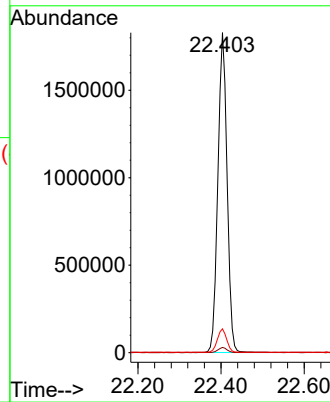
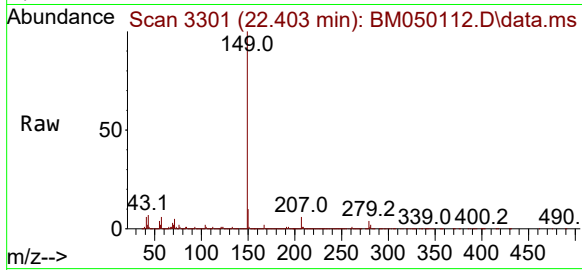




#85
Di-n-octyl phthalate
Concen: 37.342 ng
RT: 22.403 min Scan# 31
Delta R.T. -0.023 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

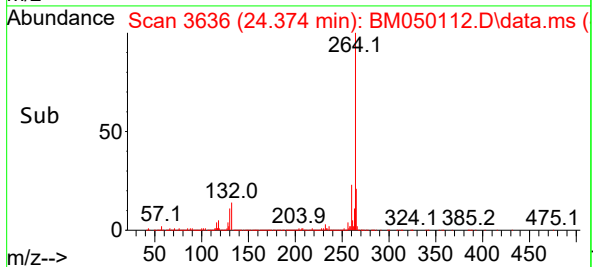
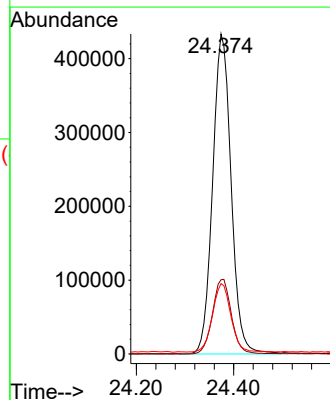
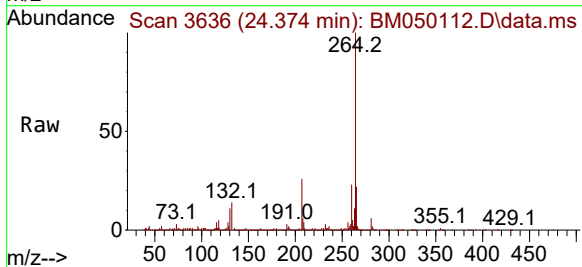
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

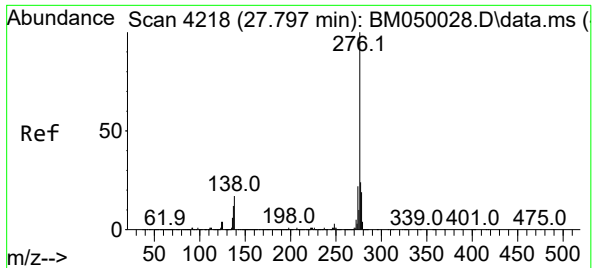
Tgt Ion:149 Resp: 2795441
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 7.4 5.8 8.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.374 min Scan# 3636
Delta R.T. -0.029 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

Tgt Ion:264 Resp: 1141097
Ion Ratio Lower Upper
264 100
260 23.2 18.8 28.2
265 22.0 17.0 25.4

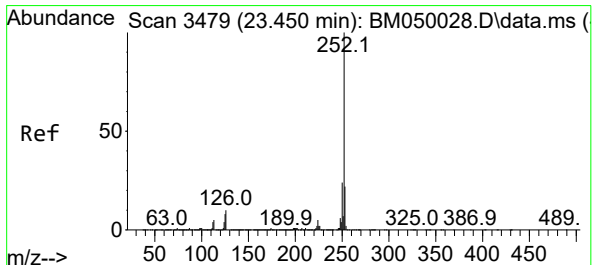
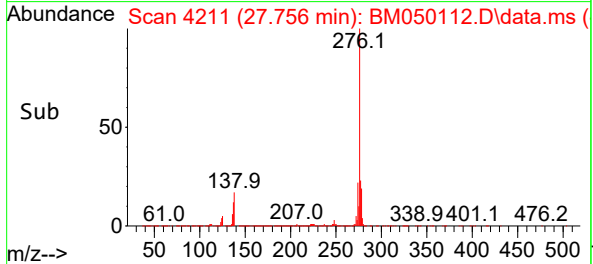
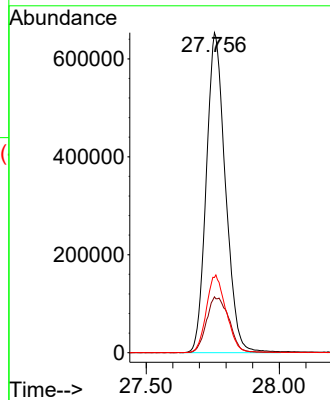
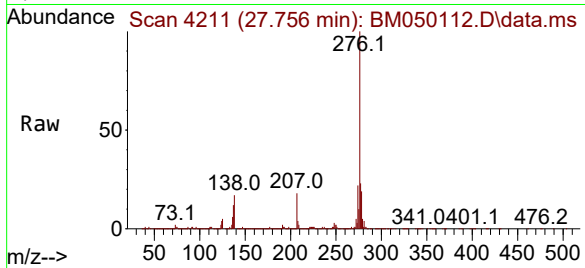




#87
Indeno(1,2,3-cd)pyrene
Concen: 38.310 ng
RT: 27.756 min Scan# 41
Delta R.T. -0.041 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

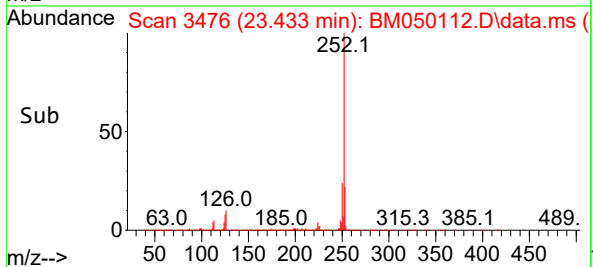
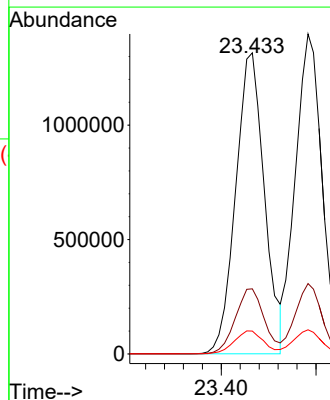
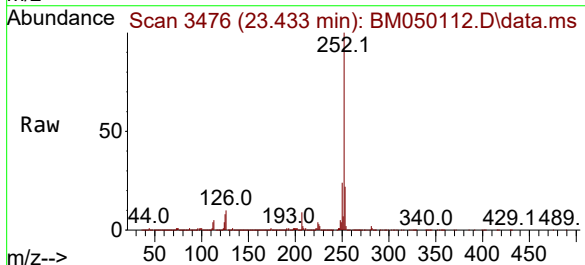
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

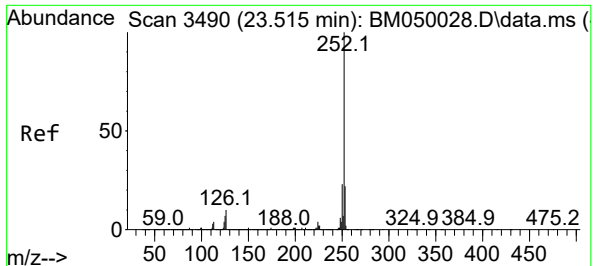
Tgt Ion:276 Resp: 3257358
Ion Ratio Lower Upper
276 100
138 20.5 16.4 24.6
277 25.0 19.8 29.8



#88
Benzo(b)fluoranthene
Concen: 37.335 ng
RT: 23.433 min Scan# 3476
Delta R.T. -0.018 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

Tgt Ion:252 Resp: 2770613
Ion Ratio Lower Upper
252 100
253 21.6 17.7 26.5
125 7.6 6.1 9.1

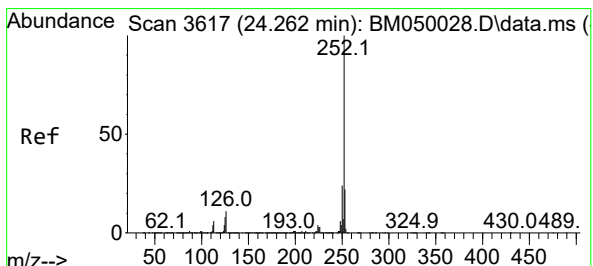
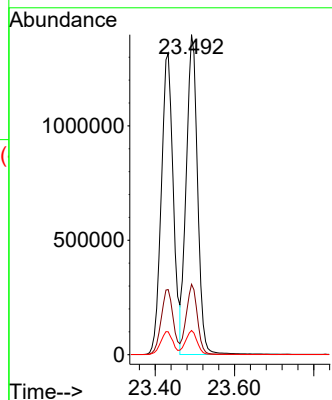
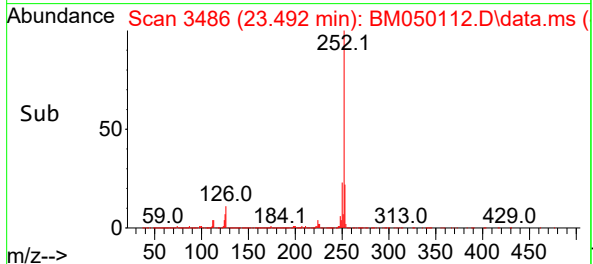
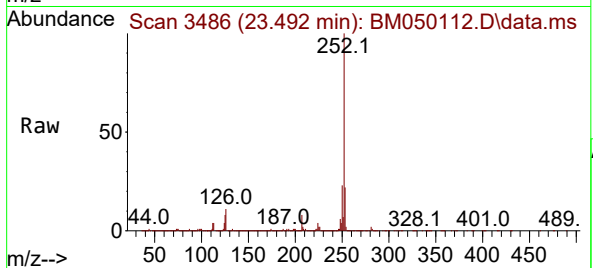




#89
Benzo(k)fluoranthene
Concen: 36.859 ng
RT: 23.492 min Scan# 34
Delta R.T. -0.023 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

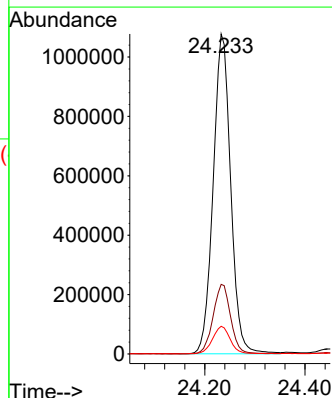
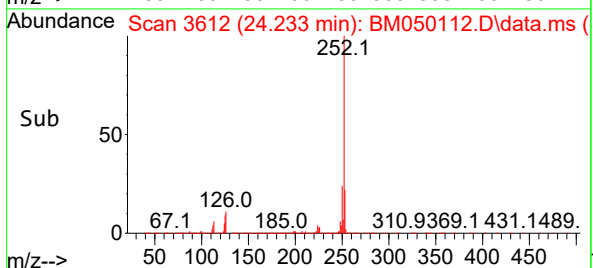
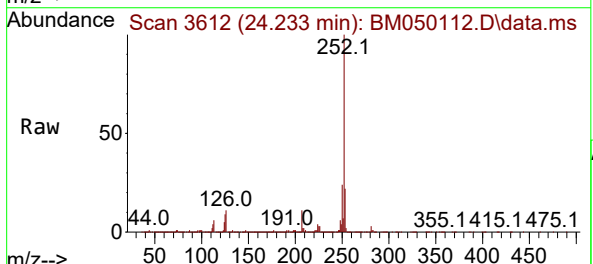
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

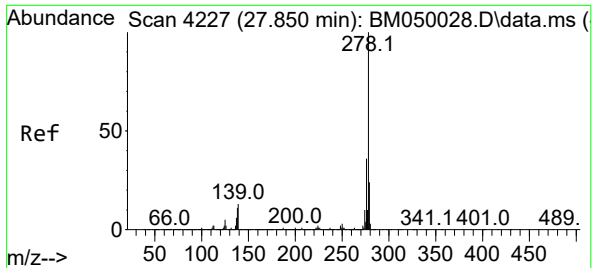
Tgt Ion:252 Resp: 2766829
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.2
125 7.6 5.8 8.8



#90
Benzo(a)pyrene
Concen: 37.532 ng
RT: 24.233 min Scan# 3612
Delta R.T. -0.029 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

Tgt Ion:252 Resp: 2608657
Ion Ratio Lower Upper
252 100
253 21.7 17.4 26.0
125 8.7 6.6 9.8

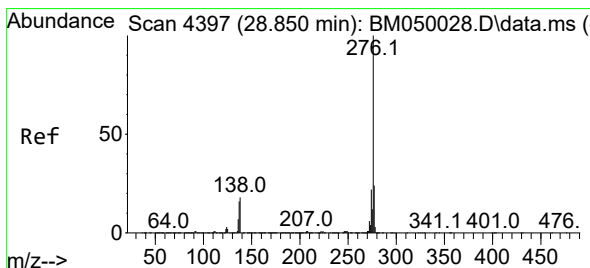
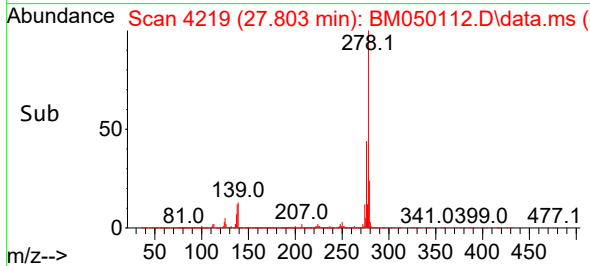
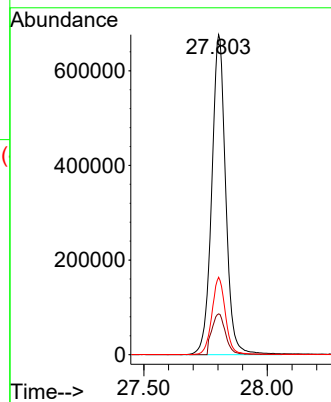
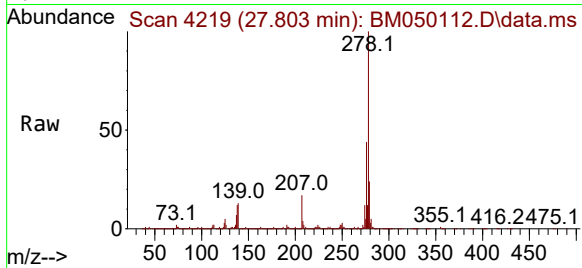




#91
Dibenzo(a,h)anthracene
Concen: 38.350 ng
RT: 27.803 min Scan# 41
Delta R.T. -0.047 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

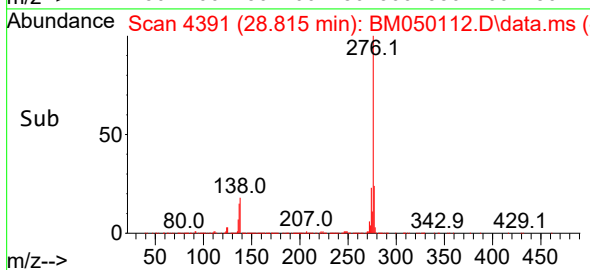
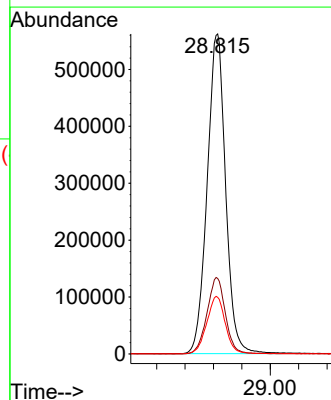
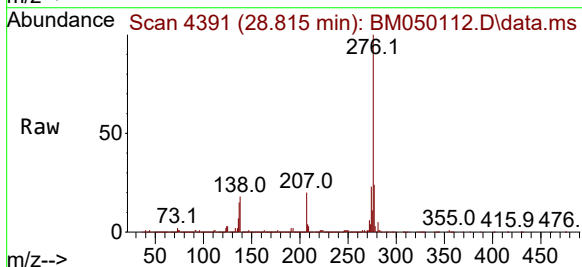
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 2658072
Ion Ratio Lower Upper
278 100
139 12.8 10.5 15.7
279 24.2 19.4 29.0



#92
Benzo(g,h,i)perylene
Concen: 38.196 ng
RT: 28.815 min Scan# 4391
Delta R.T. -0.035 min
Lab File: BM050112.D
Acq: 06 May 2025 10:03

Tgt Ion:276 Resp: 2534494
Ion Ratio Lower Upper
276 100
277 23.6 19.1 28.7
138 17.7 14.3 21.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
 Data File : BM050112.D
 Acq On : 06 May 2025 10:03
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 LabSampleId :
 SSTDCCC040

Quant Time: May 06 11:38:37 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 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	111	-0.02
2	1,4-Dioxane	0.490	0.475	3.1	103	-0.02
3	Pyridine	1.258	1.226	2.5	102	-0.02
4	n-Nitrosodimethylamine	0.493	0.468	5.1	99	-0.02
5 S	2-Fluorophenol	1.142	1.120	1.9	103	-0.02
6	Aniline	1.813	1.722	5.0	98	-0.02
7 S	Phenol-d6	1.436	1.382	3.8	99	-0.02
8	2-Chlorophenol	1.235	1.182	4.3	100	-0.02
9	Benzaldehyde	0.961	0.902	6.1	97	-0.02
10 C	Phenol	1.453	1.397	3.9	101	-0.02
11	bis(2-Chloroethyl)ether	1.213	1.118	7.8	97	-0.02
12	1,3-Dichlorobenzene	1.492	1.410	5.5	100	-0.02
13 C	1,4-Dichlorobenzene	1.499	1.415	5.6	100	-0.02
14	1,2-Dichlorobenzene	1.448	1.354	6.5	99	-0.02
15	Benzyl Alcohol	0.996	0.958	3.8	98	-0.02
16	2,2'-oxybis(1-Chloropropane	1.475	1.386	6.0	99	-0.02
17	2-Methylphenol	0.957	0.897	6.3	96	-0.02
18	Hexachloroethane	0.533	0.495	7.1	99	-0.03
19 P	n-Nitroso-di-n-propylamine	0.921	0.855	7.2	95	-0.02
20	3+4-Methylphenols	1.293	1.216	6.0	97	-0.02
21 I	Naphthalene-d8	1.000	1.000	0.0	107	-0.03
22	Acetophenone	0.497	0.470	5.4	95	-0.02
23 S	Nitrobenzene-d5	0.406	0.390	3.9	96	-0.02
24	Nitrobenzene	0.351	0.336	4.3	96	-0.02
25	Isophorone	0.692	0.645	6.8	95	-0.02
26 C	2-Nitrophenol	0.179	0.177	1.1	97	-0.02
27	2,4-Dimethylphenol	0.297	0.286	3.7	95	-0.02
28	bis(2-Chloroethoxy)methane	0.428	0.397	7.2	94	-0.02
29 C	2,4-Dichlorophenol	0.333	0.316	5.1	94	-0.02
30	1,2,4-Trichlorobenzene	0.406	0.379	6.7	95	-0.02
31	Naphthalene	1.013	0.947	6.5	95	-0.02
32	Benzoic acid	0.190	0.181	4.7	98	-0.01
33	4-Chloroaniline	0.415	0.392	5.5	95	-0.02
34 C	Hexachlorobutadiene	0.258	0.242	6.2	96	-0.03
35	Caprolactam	0.097	0.091	6.2	93	-0.02
36 C	4-Chloro-3-methylphenol	0.308	0.286	7.1	94	-0.02
37	2-Methylnaphthalene	0.679	0.629	7.4	95	-0.02
38	1-Methylnaphthalene	0.719	0.662	7.9	94	-0.02
39 I	Acenaphthene-d10	1.000	1.000	0.0	104	-0.02
40	1,2,4,5-Tetrachlorobenzene	0.692	0.660	4.6	93	-0.02
41 P	Hexachlorocyclopentadiene	0.423	0.367	13.2	84	-0.03
42 S	2,4,6-Tribromophenol	0.296	0.278	6.1	91	-0.01
43 C	2,4,6-Trichlorophenol	0.439	0.428	2.5	94	-0.02
44	2,4,5-Trichlorophenol	0.474	0.455	4.0	92	-0.02
45 S	2-Fluorobiphenyl	1.691	1.590	6.0	92	-0.02
46	1,1'-Biphenyl	1.487	1.393	6.3	92	-0.02
47	2-Chloronaphthalene	1.177	1.109	5.8	92	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
 Data File : BM050112.D
 Acq On : 06 May 2025 10:03
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 LabSampleId :
 SSTDCCC040

Quant Time: May 06 11:38:37 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 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	0.276	0.277	-0.4	96	-0.02
49	Acenaphthylene	1.857	1.731	6.8	91	-0.02
50	Dimethylphthalate	1.462	1.356	7.3	92	-0.02
51	2,6-Dinitrotoluene	0.303	0.292	3.6	93	-0.02
52 C	Acenaphthene	1.075	0.994	7.5	91	-0.02
53	3-Nitroaniline	0.289	0.290	-0.3	94	-0.02
54 P	2,4-Dinitrophenol	0.164	0.149	9.1	87	-0.01
55	Dibenzofuran	1.788	1.657	7.3	92	-0.02
56 P	4-Nitrophenol	0.205	0.187	8.8	87	0.00
57	2,4-Dinitrotoluene	0.418	0.410	1.9	94	-0.01
58	Fluorene	1.463	1.361	7.0	91	-0.02
59	2,3,4,6-Tetrachlorophenol	0.410	0.384	6.3	92	-0.01
60	Diethylphthalate	1.377	1.259	8.6	92	-0.02
61	4-Chlorophenyl-phenylether	0.804	0.740	8.0	90	-0.02
62	4-Nitroaniline	0.279	0.283	-1.4	94	-0.01
63	Azobenzene	1.154	1.070	7.3	92	-0.02
64 I	Phenanthrene-d10	1.000	1.000	0.0	103	-0.02
65	4,6-Dinitro-2-methylphenol	0.125	0.119	4.8	91	-0.01
66 c	n-Nitrosodiphenylamine	0.614	0.578	5.9	91	-0.02
67	4-Bromophenyl-phenylether	0.242	0.225	7.0	90	-0.02
68	Hexachlorobenzene	0.279	0.262	6.1	92	-0.02
69	Atrazine	0.222	0.209	5.9	91	-0.02
70 C	Pentachlorophenol	0.157	0.141	10.2	88	-0.02
71	Phenanthrene	1.128	1.052	6.7	92	-0.02
72	Anthracene	1.142	1.080	5.4	92	-0.02
73	Carbazole	0.991	0.951	4.0	93	-0.02
74	Di-n-butylphthalate	1.180	1.109	6.0	92	-0.02
75 C	Fluoranthene	1.324	1.260	4.8	92	-0.01
76 I	Chrysene-d12	1.000	1.000	0.0	104	-0.02
77	Benzidine	0.710	0.677	4.6	91	-0.01
78	Pyrene	1.404	1.352	3.7	92	-0.01
79 S	Terphenyl-d14	1.352	1.328	1.8	90	-0.01
80	Butylbenzylphthalate	0.526	0.505	4.0	93	-0.02
81	Benzo(a)anthracene	1.377	1.297	5.8	91	-0.02
82	3,3'-Dichlorobenzidine	0.527	0.513	2.7	92	-0.02
83	Chrysene	1.275	1.182	7.3	91	-0.02
84	Bis(2-ethylhexyl)phthalate	0.786	0.734	6.6	90	-0.02
85 c	Di-n-octyl phthalate	1.296	1.210	6.6	92	-0.02
86 I	Perylene-d12	1.000	1.000	0.0	106	-0.03
87	Indeno(1,2,3-cd)pyrene	1.490	1.427	4.2	95	-0.04
88	Benzo(b)fluoranthene	1.301	1.214	6.7	92	-0.02
89	Benzo(k)fluoranthene	1.316	1.212	7.9	93	-0.02
90 C	Benzo(a)pyrene	1.218	1.143	6.2	94	-0.03
91	Dibenzo(a,h)anthracene	1.215	1.165	4.1	95	-0.05
92	Benzo(g,h,i)perylene	1.163	1.111	4.5	96	-0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
Data File : BM050112.D
Acq On : 06 May 2025 10:03
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: May 06 11:38:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
 Data File : BM050112.D
 Acq On : 06 May 2025 10:03
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 LabSampleId :
 SSTDCCC040

Quant Time: May 06 11:38:37 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 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	111	-0.02
2	1,4-Dioxane	40.000	38.810	3.0	103	-0.02
3	Pyridine	40.000	38.965	2.6	102	-0.02
4	n-Nitrosodimethylamine	40.000	37.918	5.2	99	-0.02
5 S	2-Fluorophenol	80.000	78.438	2.0	103	-0.02
6	Aniline	40.000	37.995	5.0	98	-0.02
7 S	Phenol-d6	80.000	76.993	3.8	99	-0.02
8	2-Chlorophenol	40.000	38.279	4.3	100	-0.02
9	Benzaldehyde	40.000	37.547	6.1	97	-0.02
10 C	Phenol	40.000	38.454	3.9	101	-0.02
11	bis(2-Chloroethyl)ether	40.000	36.837	7.9	97	-0.02
12	1,3-Dichlorobenzene	40.000	37.808	5.5	100	-0.02
13 C	1,4-Dichlorobenzene	40.000	37.775	5.6	100	-0.02
14	1,2-Dichlorobenzene	40.000	37.419	6.5	99	-0.02
15	Benzyl Alcohol	40.000	38.477	3.8	98	-0.02
16	2,2'-oxybis(1-Chloropropane	40.000	37.588	6.0	99	-0.02
17	2-Methylphenol	40.000	37.497	6.3	96	-0.02
18	Hexachloroethane	40.000	37.187	7.0	99	-0.03
19 P	n-Nitroso-di-n-propylamine	40.000	37.160	7.1	95	-0.02
20	3+4-Methylphenols	40.000	37.613	6.0	97	-0.02
21 I	Naphthalene-d8	20.000	20.000	0.0	107	-0.03
22	Acetophenone	40.000	37.799	5.5	95	-0.02
23 S	Nitrobenzene-d5	80.000	76.902	3.9	96	-0.02
24	Nitrobenzene	40.000	38.314	4.2	96	-0.02
25	Isophorone	40.000	37.279	6.8	95	-0.02
26 C	2-Nitrophenol	40.000	39.544	1.1	97	-0.02
27	2,4-Dimethylphenol	40.000	38.439	3.9	95	-0.02
28	bis(2-Chloroethoxy)methane	40.000	37.171	7.1	94	-0.02
29 C	2,4-Dichlorophenol	40.000	37.987	5.0	94	-0.02
30	1,2,4-Trichlorobenzene	40.000	37.380	6.5	95	-0.02
31	Naphthalene	40.000	37.383	6.5	95	-0.02
32	Benzoic acid	40.000	38.021	4.9	98	-0.01
33	4-Chloroaniline	40.000	37.770	5.6	95	-0.02
34 C	Hexachlorobutadiene	40.000	37.564	6.1	96	-0.03
35	Caprolactam	40.000	37.373	6.6	93	-0.02
36 C	4-Chloro-3-methylphenol	40.000	37.137	7.2	94	-0.02
37	2-Methylnaphthalene	40.000	37.041	7.4	95	-0.02
38	1-Methylnaphthalene	40.000	36.844	7.9	94	-0.02
39 I	Acenaphthene-d10	20.000	20.000	0.0	104	-0.02
40	1,2,4,5-Tetrachlorobenzene	40.000	38.108	4.7	93	-0.02
41 P	Hexachlorocyclopentadiene	40.000	34.733	13.2	84	-0.03
42 S	2,4,6-Tribromophenol	80.000	75.287	5.9	91	-0.01
43 C	2,4,6-Trichlorophenol	40.000	38.974	2.6	94	-0.02
44	2,4,5-Trichlorophenol	40.000	38.440	3.9	92	-0.02
45 S	2-Fluorobiphenyl	80.000	75.257	5.9	92	-0.02
46	1,1'-Biphenyl	40.000	37.483	6.3	92	-0.02
47	2-Chloronaphthalene	40.000	37.657	5.9	92	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
 Data File : BM050112.D
 Acq On : 06 May 2025 10:03
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 LabSampleId :
 SSTDCCC040

Quant Time: May 06 11:38:37 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	40.087	-0.2	96	-0.02
49	Acenaphthylene	40.000	37.291	6.8	91	-0.02
50	Dimethylphthalate	40.000	37.115	7.2	92	-0.02
51	2,6-Dinitrotoluene	40.000	38.633	3.4	93	-0.02
52 C	Acenaphthene	40.000	36.990	7.5	91	-0.02
53	3-Nitroaniline	40.000	40.100	-0.3	94	-0.02
54 P	2,4-Dinitrophenol	40.000	34.233	14.4	87	-0.01
55	Dibenzofuran	40.000	37.060	7.3	92	-0.02
56 P	4-Nitrophenol	40.000	34.581	13.5	87	0.00
57	2,4-Dinitrotoluene	40.000	39.183	2.0	94	-0.01
58	Fluorene	40.000	37.210	7.0	91	-0.02
59	2,3,4,6-Tetrachlorophenol	40.000	37.521	6.2	92	-0.01
60	Diethylphthalate	40.000	36.577	8.6	92	-0.02
61	4-Chlorophenyl-phenylether	40.000	36.846	7.9	90	-0.02
62	4-Nitroaniline	40.000	40.620	-1.5	94	-0.01
63	Azobenzene	40.000	37.065	7.3	92	-0.02
64 I	Phenanthrene-d10	20.000	20.000	0.0	103	-0.02
65	4,6-Dinitro-2-methylphenol	40.000	38.009	5.0	91	-0.01
66 c	n-Nitrosodiphenylamine	40.000	37.674	5.8	91	-0.02
67	4-Bromophenyl-phenylether	40.000	37.275	6.8	90	-0.02
68	Hexachlorobenzene	40.000	37.574	6.1	92	-0.02
69	Atrazine	40.000	37.715	5.7	91	-0.02
70 C	Pentachlorophenol	40.000	36.021	9.9	88	-0.02
71	Phenanthrene	40.000	37.297	6.8	92	-0.02
72	Anthracene	40.000	37.832	5.4	92	-0.02
73	Carbazole	40.000	38.394	4.0	93	-0.02
74	Di-n-butylphthalate	40.000	37.606	6.0	92	-0.02
75 C	Fluoranthene	40.000	38.044	4.9	92	-0.01
76 I	Chrysene-d12	20.000	20.000	0.0	104	-0.02
77	Benzydine	40.000	38.104	4.7	91	-0.01
78	Pyrene	40.000	38.517	3.7	92	-0.01
79 S	Terphenyl-d14	80.000	78.628	1.7	90	-0.01
80	Butylbenzylphthalate	40.000	38.395	4.0	93	-0.02
81	Benzo(a)anthracene	40.000	37.663	5.8	91	-0.02
82	3,3'-Dichlorobenzidine	40.000	38.898	2.8	92	-0.02
83	Chrysene	40.000	37.094	7.3	91	-0.02
84	Bis(2-ethylhexyl)phthalate	40.000	37.381	6.5	90	-0.02
85 c	Di-n-octyl phthalate	40.000	37.342	6.6	92	-0.02
86 I	Perylene-d12	20.000	20.000	0.0	106	-0.03
87	Indeno(1,2,3-cd)pyrene	40.000	38.310	4.2	95	-0.04
88	Benzo(b)fluoranthene	40.000	37.335	6.7	92	-0.02
89	Benzo(k)fluoranthene	40.000	36.859	7.9	93	-0.02
90 C	Benzo(a)pyrene	40.000	37.532	6.2	94	-0.03
91	Dibenzo(a,h)anthracene	40.000	38.350	4.1	95	-0.05
92	Benzo(g,h,i)perylene	40.000	38.196	4.5	96	-0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
Data File : BM050112.D
Acq On : 06 May 2025 10:03
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: May 06 11:38:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 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



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: SAXT01

Lab Code: CHEM Case No.: Q1938 SAS No.: Q1938 SDG No.: Q1938

Instrument ID: BNA_M Calibration Date/Time: 05/07/2025 09:56

Lab File ID: BM050129.D Init. Calib. Date(s): 04/28/2025 04/28/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:30 17:04

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.142	1.113		-2.5	
Benzaldehyde	0.961	0.911		-5.2	
Phenol-d6	1.436	1.401		-2.4	
Phenol	1.453	1.425		-1.9	20.0
bis(2-Chloroethyl)ether	1.214	1.149		-5.4	
2-Chlorophenol	1.235	1.194		-3.3	
2-Methylphenol	0.957	0.941		-1.7	
2,2-oxybis(1-Chloropropane)	1.475	1.451		-1.6	
Acetophenone	0.497	0.472		-5.0	
3+4-Methylphenols	1.293	1.266		-2.1	
n-Nitroso-di-n-propylamine	0.921	0.900	0.050	-2.3	
Nitrobenzene-d5	0.406	0.388		-4.4	
Hexachloroethane	0.533	0.501		-6.0	
Nitrobenzene	0.351	0.337		-4.0	
Isophorone	0.692	0.664		-4.0	
2-Nitrophenol	0.179	0.179		0.0	20.0
2,4-Dimethylphenol	0.297	0.291		-2.0	
bis(2-Chloroethoxy)methane	0.428	0.407		-4.9	
2,4-Dichlorophenol	0.333	0.323		-3.0	20.0
Naphthalene	1.013	0.949		-6.3	
4-Chloroaniline	0.415	0.401		-3.4	
Hexachlorobutadiene	0.258	0.239		-7.4	20.0
Caprolactam	0.097	0.094		-3.1	
4-Chloro-3-methylphenol	0.308	0.294		-4.5	20.0
2-Methylnaphthalene	0.679	0.636		-6.3	
Hexachlorocyclopentadiene	0.423	0.361	0.050	-14.7	
2,4,6-Trichlorophenol	0.439	0.428		-2.5	20.0
2-Fluorobiphenyl	1.691	1.612		-4.7	
2,4,5-Trichlorophenol	0.474	0.464		-2.1	
1,1-Biphenyl	1.487	1.400		-5.9	
2-Chloronaphthalene	1.177	1.109		-5.8	
2-Nitroaniline	0.276	0.279		1.1	
Dimethylphthalate	1.462	1.370		-6.3	
Acenaphthylene	1.857	1.752		-5.7	
2,6-Dinitrotoluene	0.303	0.297		-2.0	
3-Nitroaniline	0.289	0.290		0.3	
Acenaphthene	1.075	1.006		-6.4	20.0
2,4-Dinitrophenol	0.164	0.160	0.050	-2.4	
4-Nitrophenol	0.205	0.189	0.050	-7.8	



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: SAXT01

Lab Code: CHEM Case No.: Q1938 SAS No.: Q1938 SDG No.: Q1938

Instrument ID: BNA_M Calibration Date/Time: 05/07/2025 09:56

Lab File ID: BM050129.D Init. Calib. Date(s): 04/28/2025 04/28/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:30 17:04

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.788	1.674		-6.4	
2,4-Dinitrotoluene	0.418	0.415		-0.7	
Diethylphthalate	1.377	1.278		-7.2	
4-Chlorophenyl-phenylether	0.804	0.755		-6.1	
Fluorene	1.463	1.378		-5.8	
4-Nitroaniline	0.279	0.284		1.8	
4,6-Dinitro-2-methylphenol	0.125	0.121		-3.2	
n-Nitrosodiphenylamine	0.614	0.583		-5.0	20.0
2,4,6-Tribromophenol	0.296	0.285		-3.7	
4-Bromophenyl-phenylether	0.242	0.230		-5.0	
Hexachlorobenzene	0.279	0.263		-5.7	
Atrazine	0.222	0.211		-5.0	
Pentachlorophenol	0.157	0.144		-8.3	20.0
Phenanthrene	1.128	1.052		-6.7	
Anthracene	1.142	1.076		-5.8	
Carbazole	0.991	0.951		-4.0	
Di-n-butylphthalate	1.180	1.112		-5.8	
Fluoranthene	1.324	1.258		-5.0	20.0
Pyrene	1.404	1.381		-1.6	
Terphenyl-d14	1.352	1.351		-0.1	
Butylbenzylphthalate	0.526	0.517		-1.7	
3,3-Dichlorobenzidine	0.527	0.511		-3.0	
Benzo (a) anthracene	1.377	1.299		-5.7	
Chrysene	1.275	1.183		-7.2	
Bis(2-ethylhexyl)phthalate	0.786	0.740		-5.9	
Di-n-octyl phthalate	1.296	1.213		-6.4	20.0
Benzo (b) fluoranthene	1.301	1.180		-9.3	
Benzo (k) fluoranthene	1.316	1.208		-8.2	
Benzo (a) pyrene	1.218	1.131		-7.1	20.0
Indeno (1,2,3-cd) pyrene	1.490	1.413		-5.2	
Dibenzo (a,h) anthracene	1.215	1.160		-4.5	
Benzo (g,h,i) perylene	1.163	1.102		-5.2	
1,2,4,5-Tetrachlorobenzene	0.692	0.657		-5.1	
1,4-Dioxane	0.490	0.461		-5.9	20.0
2,3,4,6-Tetrachlorophenol	0.410	0.388		-5.4	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
 Data File : BM050129.D
 Acq On : 07 May 2025 09:56
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC040

Quant Time: May 07 11:58:12 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.746	152	266306	20.000	ng	-0.02
21) Naphthalene-d8	10.534	136	985466	20.000	ng	-0.03
39) Acenaphthene-d10	14.392	164	648787	20.000	ng	-0.02
64) Phenanthrene-d10	17.139	188	1276061	20.000	ng	-0.02
76) Chrysene-d12	21.386	240	1188727	20.000	ng	-0.01
86) Perylene-d12	24.380	264	1179190	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1185161	77.929	ng	-0.02
7) Phenol-d6	6.934	99	1492729	78.093	ng	-0.02
23) Nitrobenzene-d5	8.904	82	1529857	76.498	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	740128	77.152	ng	-0.01
45) 2-Fluorobiphenyl	13.010	172	4183725	76.285	ng	-0.02
79) Terphenyl-d14	19.768	244	6425682	79.988	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.234	88	245428	37.638	ng	99
3) Pyridine	3.640	79	649387	38.760	ng	98
4) n-Nitrosodimethylamine	3.546	42	251732	38.309	ng	99
6) Aniline	7.075	93	940890	38.981	ng	99
8) 2-Chlorophenol	7.316	128	636062	38.682	ng	98
9) Benzaldehyde	6.887	77	485239	37.934	ng	98
10) Phenol	6.957	94	759102	39.229	ng	100
11) bis(2-Chloroethyl)ether	7.169	93	611928	37.871	ng	99
12) 1,3-Dichlorobenzene	7.634	146	750200	37.769	ng	99
13) 1,4-Dichlorobenzene	7.775	146	751753	37.673	ng	98
14) 1,2-Dichlorobenzene	8.093	146	720747	37.392	ng	99
15) Benzyl Alcohol	7.993	79	534885	40.351	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.269	45	773045	39.358	ng	100
17) 2-Methylphenol	8.204	107	500949	39.297	ng	99
18) Hexachloroethane	8.816	117	266844	37.618	ng	97
19) n-Nitroso-di-n-propyla...	8.551	70	479342	39.100	ng	99
20) 3+4-Methylphenols	8.534	107	674221	39.165	ng	97
22) Acetophenone	8.569	105	930655	37.985	ng	98
24) Nitrobenzene	8.946	77	663350	38.361	ng	99
25) Isophorone	9.475	82	1308322	38.379	ng	99
26) 2-Nitrophenol	9.657	139	353615	40.028	ng	99
27) 2,4-Dimethylphenol	9.728	122	573493	39.146	ng	98
28) bis(2-Chloroethoxy)met...	9.951	93	802616	38.093	ng	100
29) 2,4-Dichlorophenol	10.210	162	636422	38.777	ng	99
30) 1,2,4-Trichlorobenzene	10.404	180	746754	37.345	ng	98
31) Naphthalene	10.587	128	1869765	37.465	ng	100
32) Benzoic acid	9.904	122	364406	38.892	ng	99
33) 4-Chloroaniline	10.704	127	790719	38.655	ng	99
34) Hexachlorobutadiene	10.869	225	471584	37.153	ng	99
35) Caprolactam	11.504	113	186188	38.907	ng	91
36) 4-Chloro-3-methylphenol	11.857	107	579525	38.219	ng	99
37) 2-Methylnaphthalene	12.204	142	1254166	37.483	ng	99
38) 1-Methylnaphthalene	12.422	142	1324896	37.416	ng	100
40) 1,2,4,5-Tetrachloroben...	12.581	216	852610	37.962	ng	100
41) Hexachlorocyclopentadiene	12.551	237	468351	34.123	ng	100
43) 2,4,6-Trichlorophenol	12.834	196	555916	39.025	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
 Data File : BM050129.D
 Acq On : 07 May 2025 09:56
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC040

Quant Time: May 07 11:58:12 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration

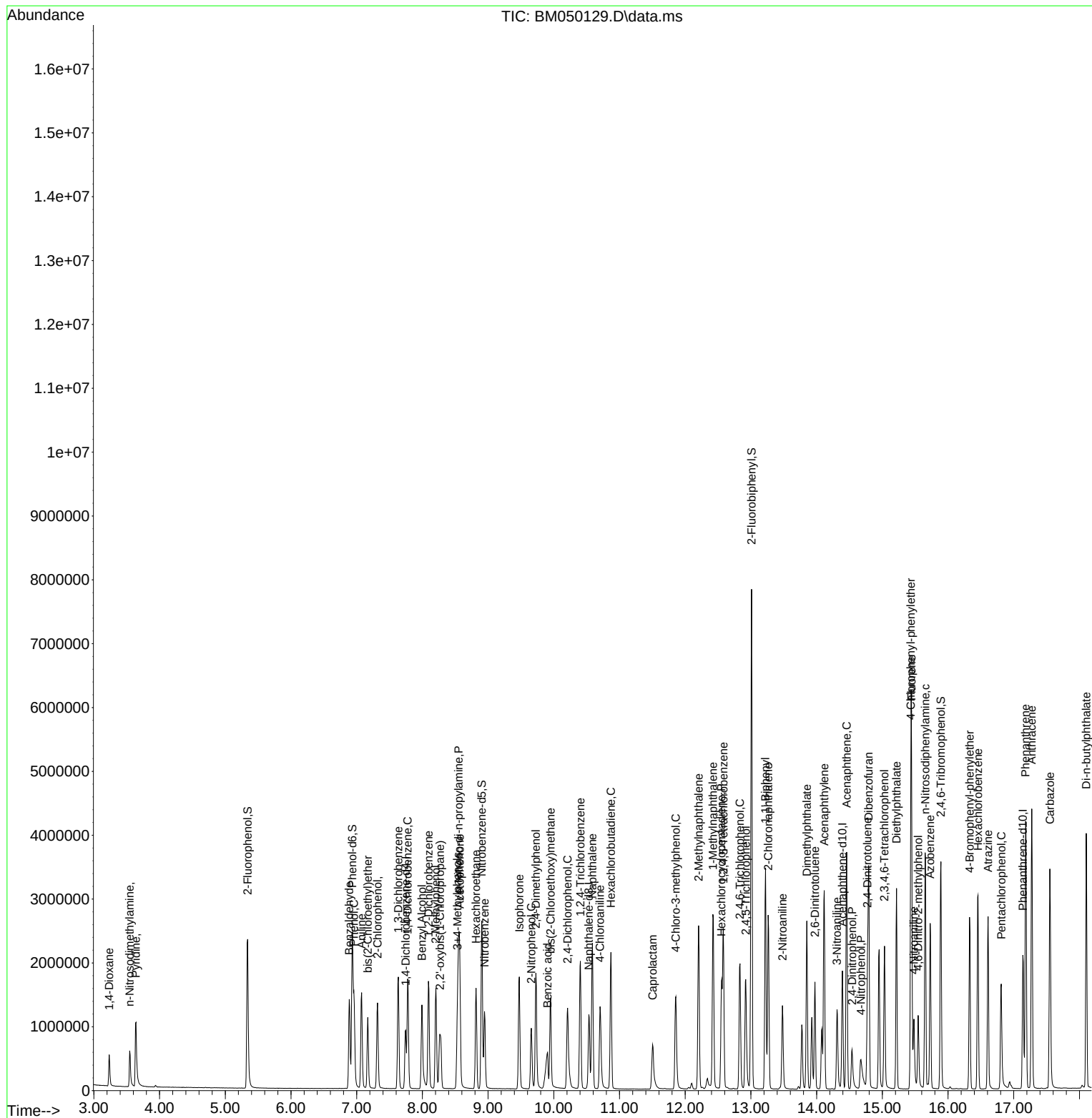
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.922	196	602516	39.223	ng	99
46) 1,1'-Biphenyl	13.222	154	1816474	37.665	ng	98
47) 2-Chloronaphthalene	13.263	162	1439265	37.681	ng	100
48) 2-Nitroaniline	13.481	65	362607	40.448	ng	99
49) Acenaphthylene	14.116	152	2273946	37.758	ng	99
50) Dimethylphthalate	13.851	163	1777120	37.481	ng	100
51) 2,6-Dinitrotoluene	13.975	165	384842	39.202	ng	99
52) Acenaphthene	14.457	154	1305026	37.437	ng	99
53) 3-Nitroaniline	14.310	138	376890	40.213	ng	100
54) 2,4-Dinitrophenol	14.539	184	207759	36.439	ng	98
55) Dibenzofuran	14.792	168	2172737	37.462	ng	100
56) 4-Nitrophenol	14.675	139	244642	34.800	ng	98
57) 2,4-Dinitrotoluene	14.775	165	537890	39.653	ng	99
58) Fluorene	15.445	166	1787962	37.662	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.033	232	503890	37.896	ng	99
60) Diethylphthalate	15.216	149	1658728	37.127	ng	100
61) 4-Chlorophenyl-phenyle...	15.433	204	979216	37.553	ng	97
62) 4-Nitroaniline	15.480	138	368722	40.776	ng	97
63) Azobenzene	15.727	77	1398756	37.357	ng	99
65) 4,6-Dinitro-2-methylph...	15.545	198	309774	38.782	ng	97
66) n-Nitrosodiphenylamine	15.657	169	1487921	37.972	ng	100
67) 4-Bromophenyl-phenylether	16.327	248	586846	38.030	ng	99
68) Hexachlorobenzene	16.457	284	671453	37.749	ng	96
69) Atrazine	16.610	200	539064	38.139	ng	99
70) Pentachlorophenol	16.810	266	368173	36.772	ng	100
71) Phenanthrene	17.180	178	2685945	37.320	ng	100
72) Anthracene	17.274	178	2746787	37.713	ng	100
73) Carbazole	17.551	167	2427561	38.410	ng	99
74) Di-n-butylphthalate	18.104	149	2838617	37.714	ng	99
75) Fluoranthene	19.204	202	3209490	37.983	ng	100
77) Benzidine	19.392	184	1655106	39.198	ng	99
78) Pyrene	19.568	202	3284421	39.346	ng	100
80) Butylbenzylphthalate	20.462	149	1229679	39.331	ng	98
81) Benzo(a)anthracene	21.368	228	3088369	37.728	ng	100
82) 3,3'-Dichlorobenzidine	21.286	252	1215688	38.795	ng	99
83) Chrysene	21.427	228	2813027	37.130	ng	99
84) Bis(2-ethylhexyl)phtha...	21.280	149	1760201	37.692	ng	99
85) Di-n-octyl phthalate	22.403	149	2883032	37.435	ng	100
87) Indeno(1,2,3-cd)pyrene	27.768	276	3332526	37.928	ng	99
88) Benzo(b)fluoranthene	23.433	252	2784029	36.304	ng	100
89) Benzo(k)fluoranthene	23.498	252	2849425	36.733	ng	99
90) Benzo(a)pyrene	24.239	252	2666219	37.121	ng	100
91) Dibenzo(a,h)anthracene	27.815	278	2735436	38.192	ng	99
92) Benzo(g,h,i)perylene	28.827	276	2598984	37.902	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
 Data File : BM050129.D
 Acq On : 07 May 2025 09:56
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTDCCC040

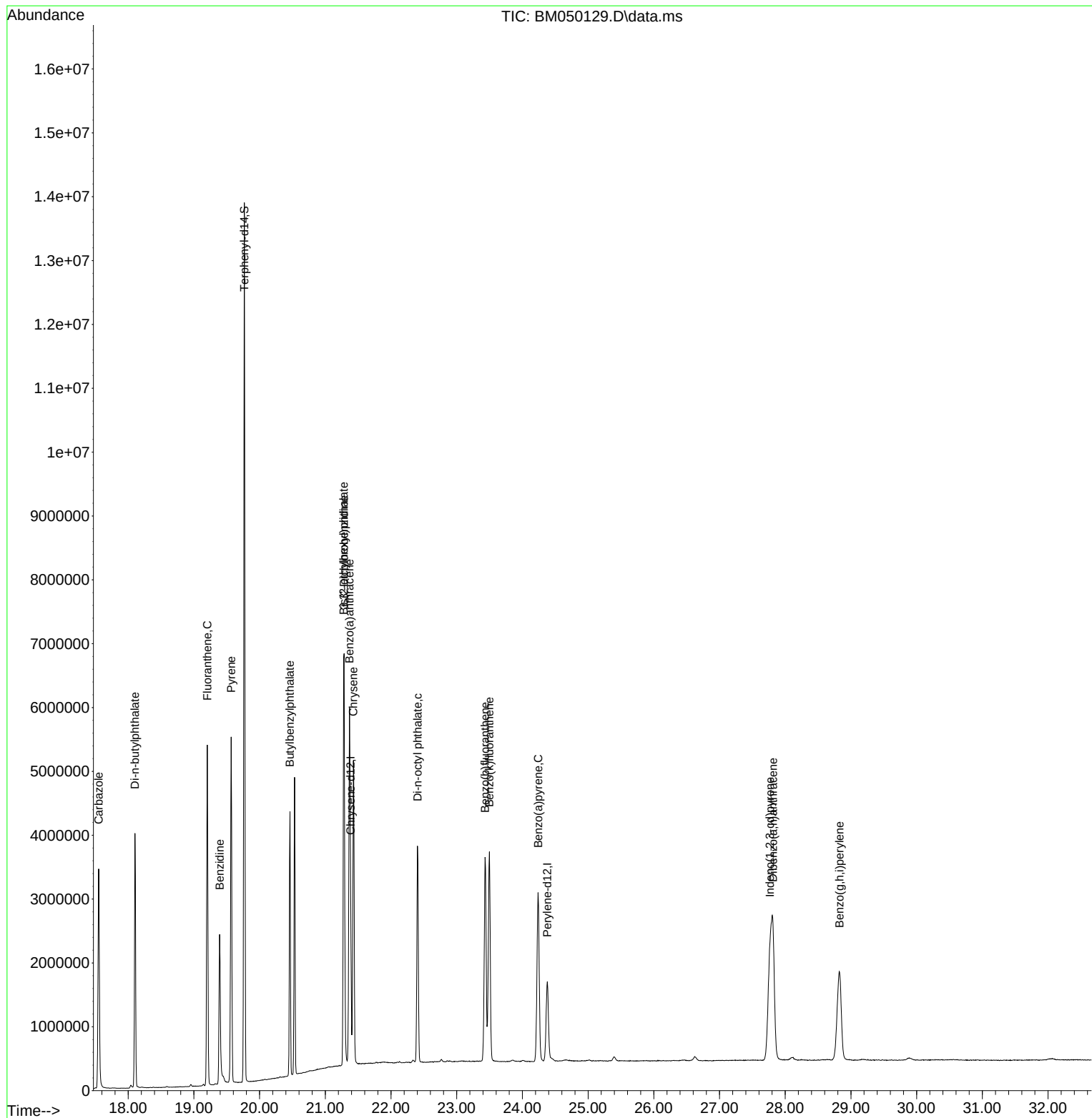
Quant Time: May 07 11:58:12 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
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 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration

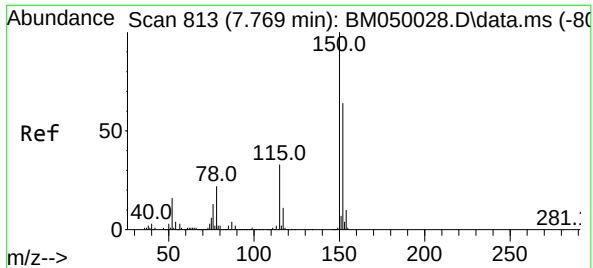


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050129.D
Acq On : 07 May 2025 09:56
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Quant Time: May 07 11:58:12 2025
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Response via : Initial Calibration

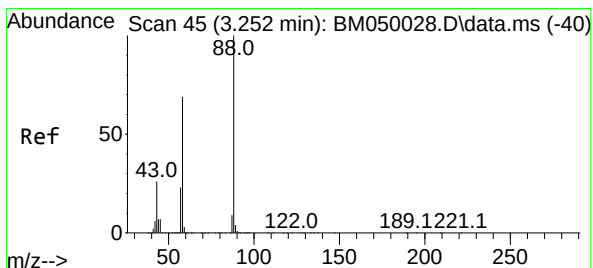
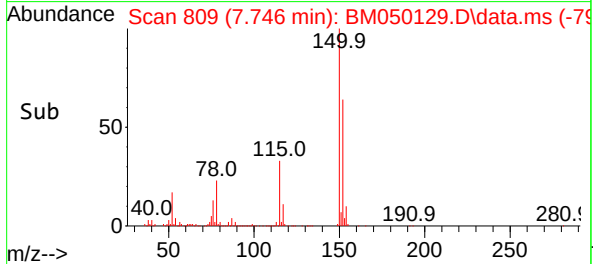
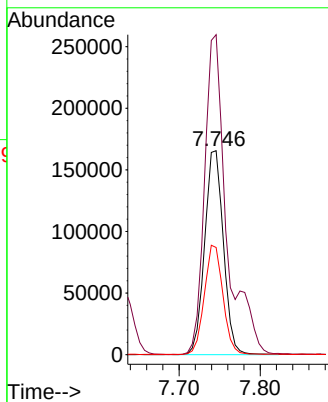
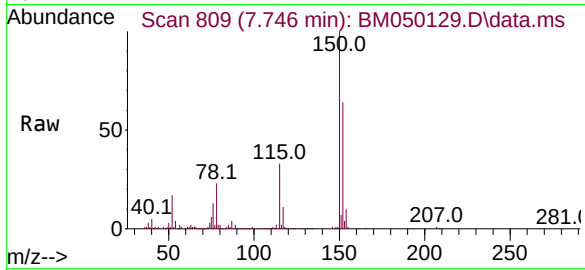




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.746 min Scan# 80
Delta R.T. -0.023 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

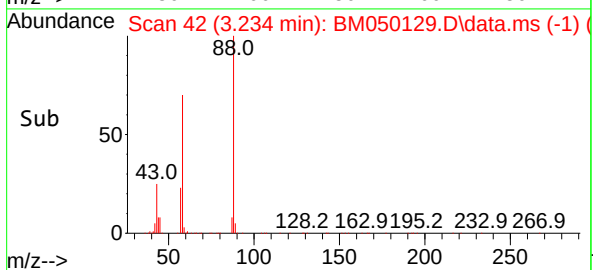
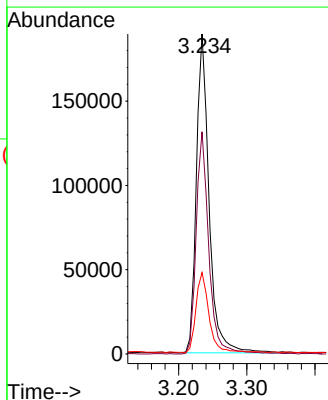
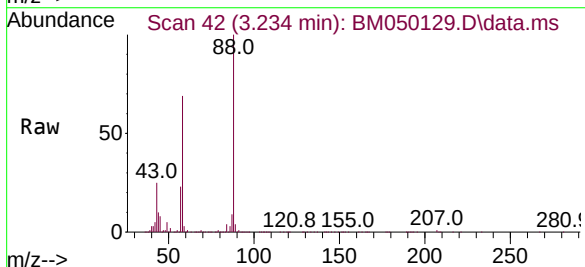
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

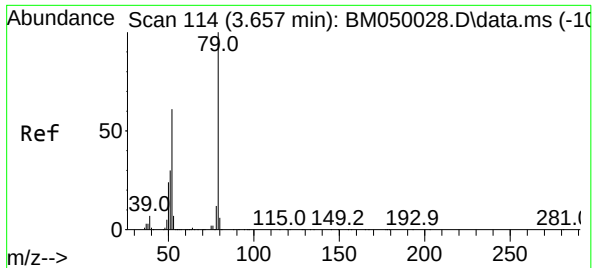
Tgt Ion:152 Resp: 266306
Ion Ratio Lower Upper
152 100
150 156.9 124.1 186.1
115 52.5 41.2 61.8



#2
1,4-Dioxane
Concen: 37.638 ng
RT: 3.234 min Scan# 42
Delta R.T. -0.017 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

Tgt Ion: 88 Resp: 245428
Ion Ratio Lower Upper
88 100
58 69.5 55.1 82.7
43 25.3 20.9 31.3

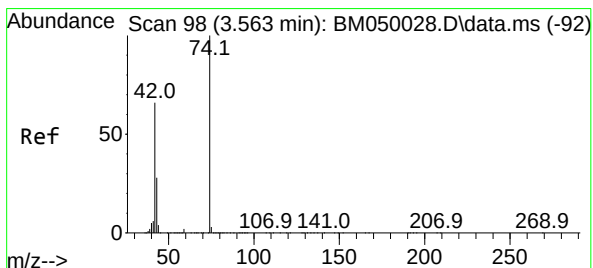
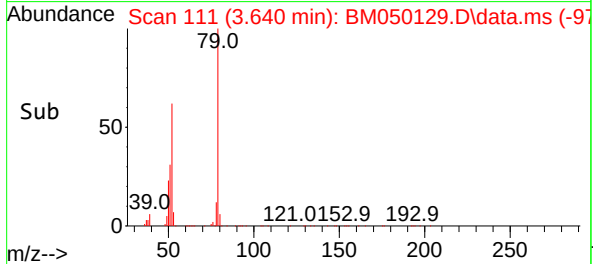
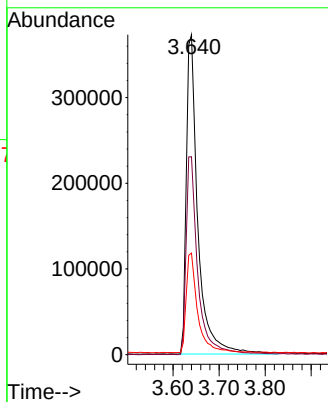
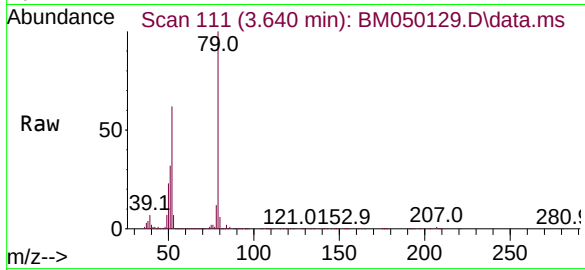




#3
Pyridine
Concen: 38.760 ng
RT: 3.640 min Scan# 114
Delta R.T. -0.017 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

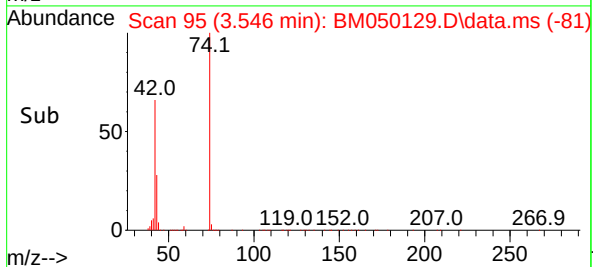
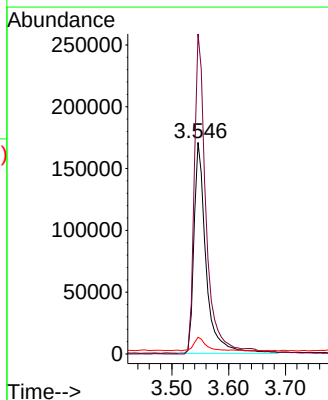
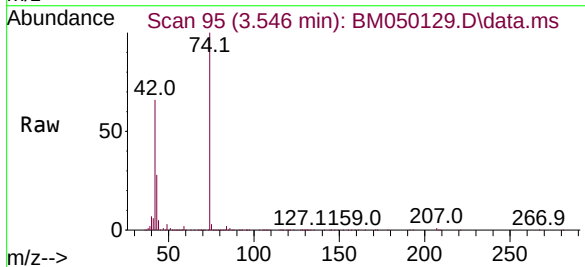
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ClientSampleId :
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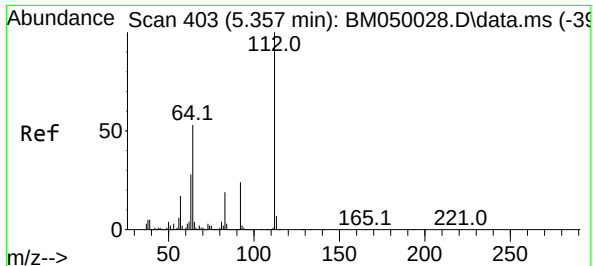
Tgt Ion: 79 Resp: 649387
Ion Ratio Lower Upper
79 100
52 61.9 48.6 72.8
51 31.8 24.6 37.0



#4
n-Nitrosodimethylamine
Concen: 38.309 ng
RT: 3.546 min Scan# 95
Delta R.T. -0.017 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

Tgt Ion: 42 Resp: 251732
Ion Ratio Lower Upper
42 100
74 151.3 120.2 180.2
44 7.9 6.2 9.2

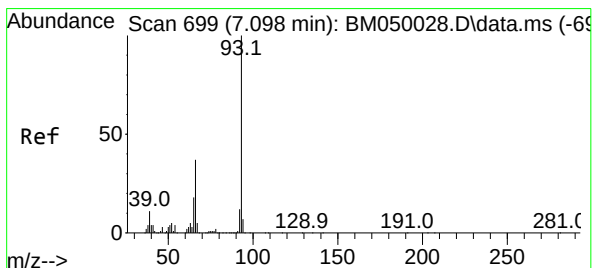
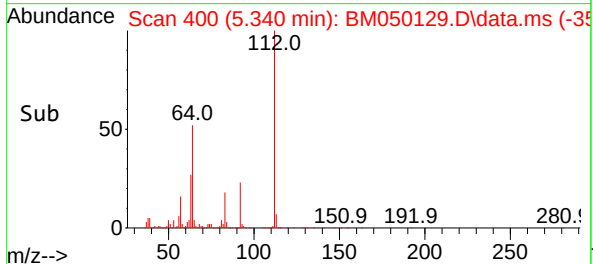
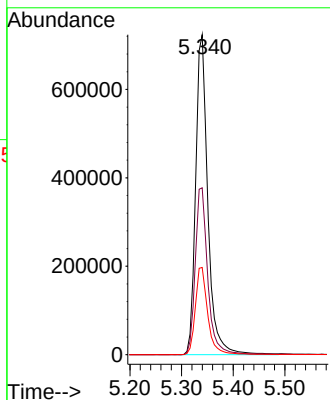
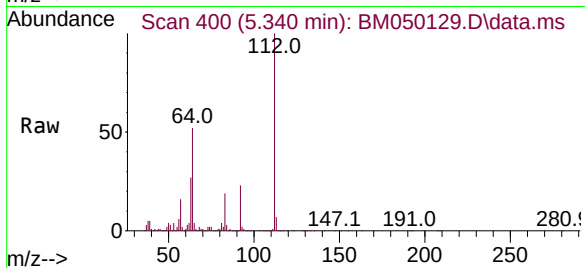




#5
2-Fluorophenol
Concen: 77.929 ng
RT: 5.340 min Scan# 403
Delta R.T. -0.017 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

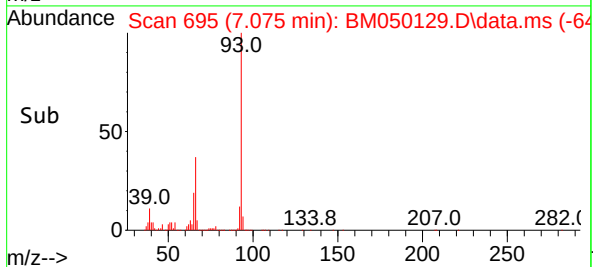
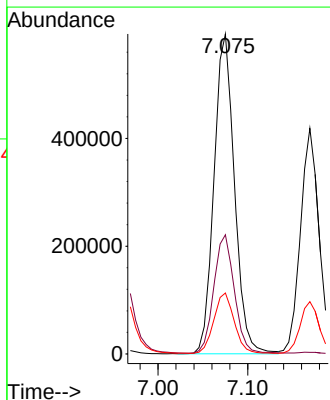
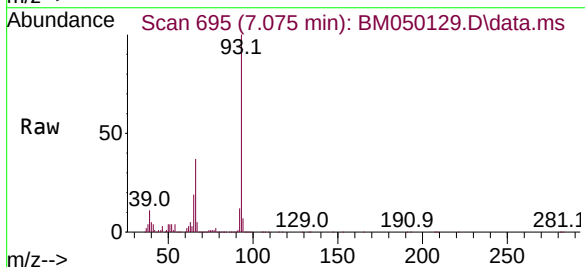
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ClientSampleId :
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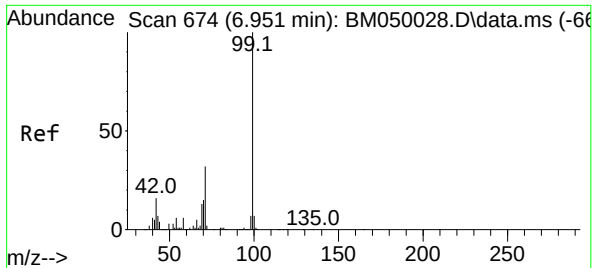
Tgt Ion:112 Resp: 1185161
Ion Ratio Lower Upper
112 100
64 52.1 42.6 64.0
63 27.2 22.2 33.4



#6
Aniline
Concen: 38.981 ng
RT: 7.075 min Scan# 695
Delta R.T. -0.023 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

Tgt Ion: 93 Resp: 940890
Ion Ratio Lower Upper
93 100
66 37.3 29.9 44.9
65 19.0 14.5 21.7

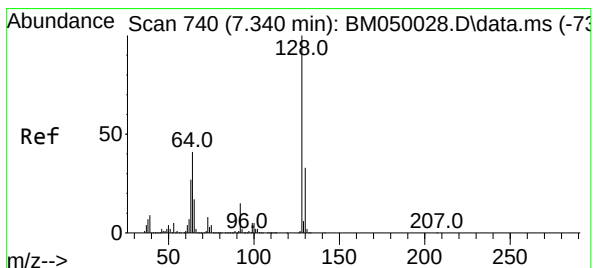
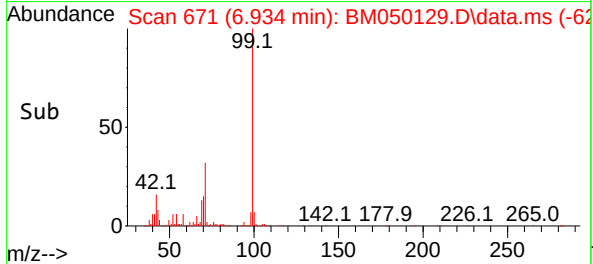
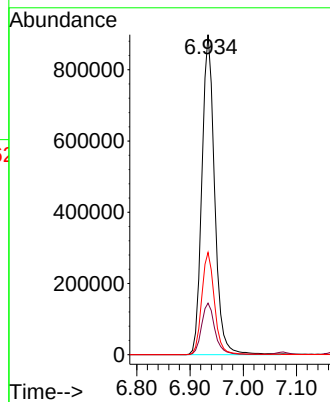
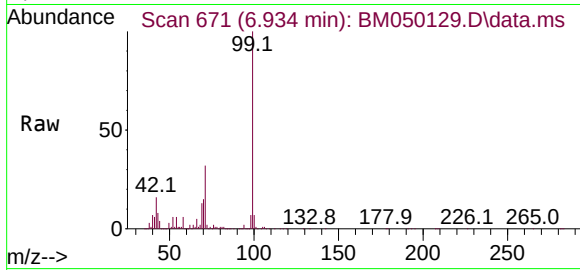




#7
Phenol-d6
Concen: 78.093 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.017 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

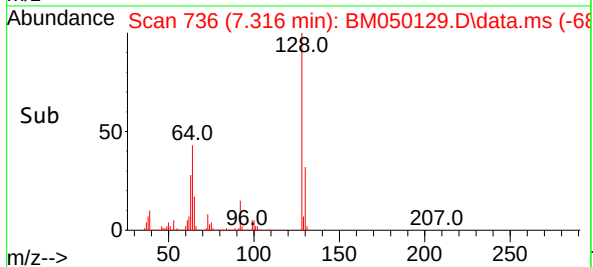
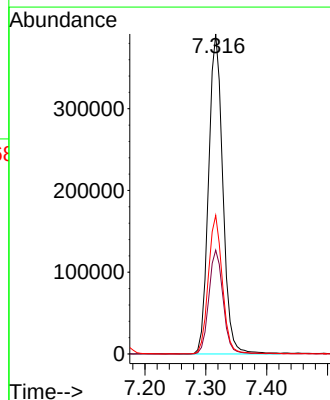
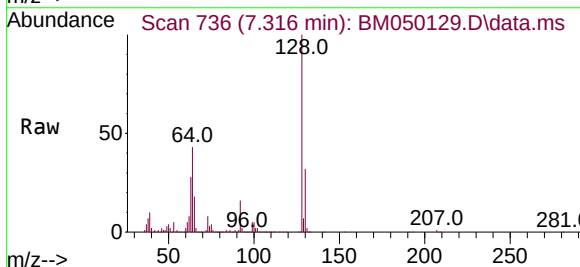
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ClientSampleId :
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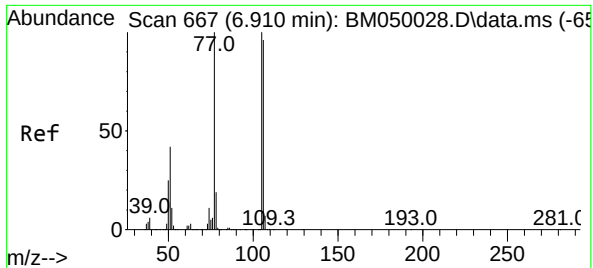
Tgt Ion: 99 Resp: 1492729
Ion Ratio Lower Upper
99 100
42 16.1 13.0 19.4
71 32.0 25.6 38.4



#8
2-Chlorophenol
Concen: 38.682 ng
RT: 7.316 min Scan# 736
Delta R.T. -0.023 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

Tgt Ion: 128 Resp: 636062
Ion Ratio Lower Upper
128 100
130 32.5 12.8 52.8
64 43.3 21.2 61.2

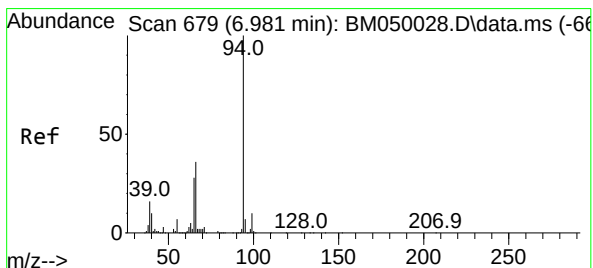
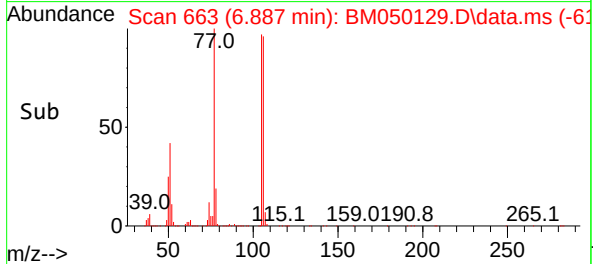
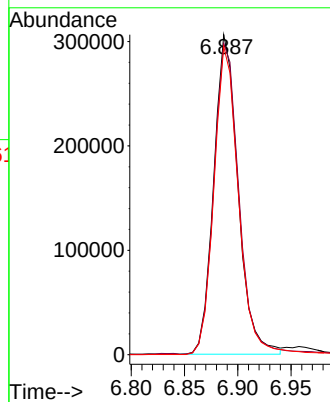
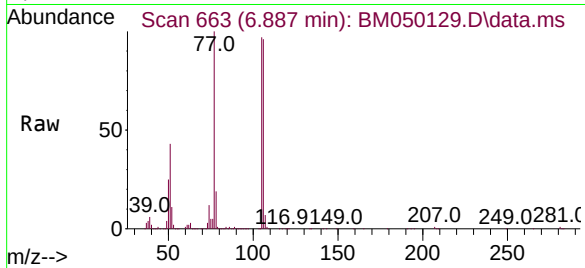




#9
Benzaldehyde
Concen: 37.934 ng
RT: 6.887 min Scan# 61
Delta R.T. -0.023 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

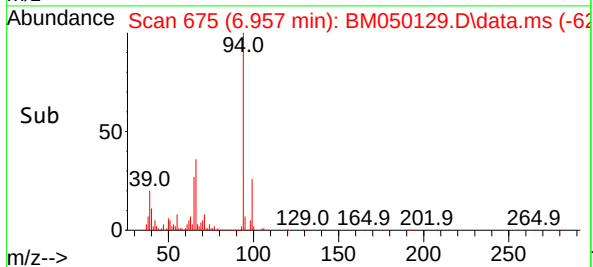
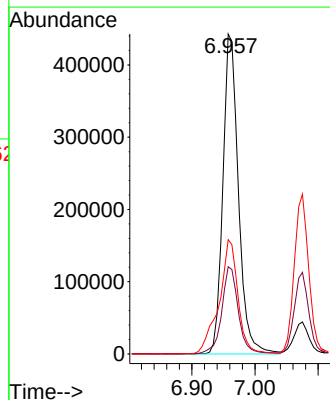
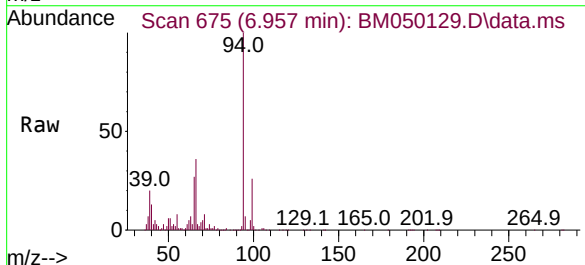
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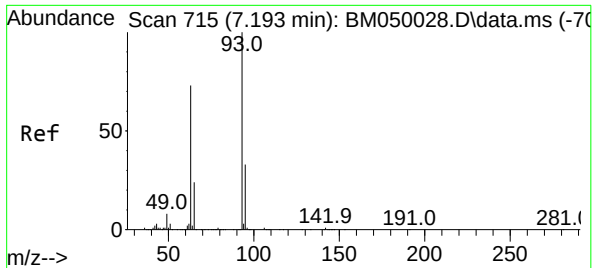
Tgt Ion: 77 Resp: 485239
Ion Ratio Lower Upper
77 100
105 97.3 80.5 120.5
106 96.3 76.1 116.1



#10
Phenol
Concen: 39.229 ng
RT: 6.957 min Scan# 675
Delta R.T. -0.023 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

Tgt Ion: 94 Resp: 759102
Ion Ratio Lower Upper
94 100
65 27.3 7.6 47.6
66 35.7 15.8 55.8

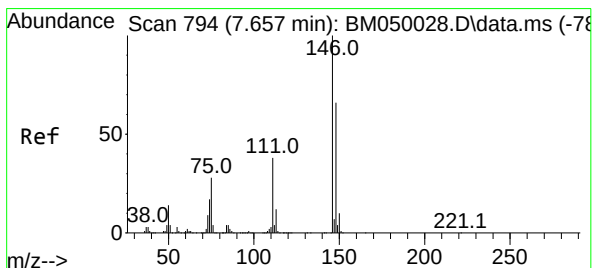
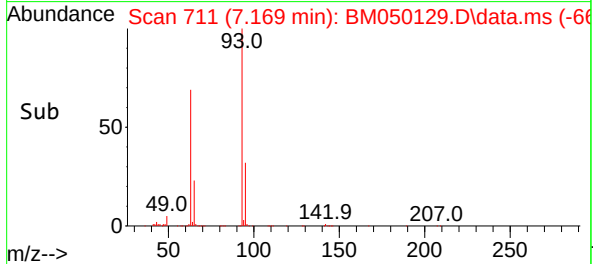
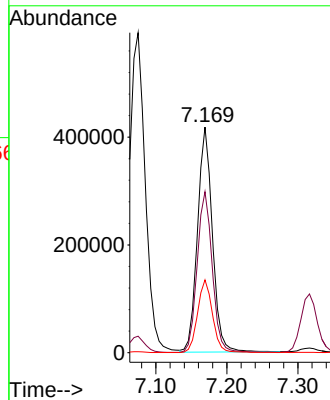
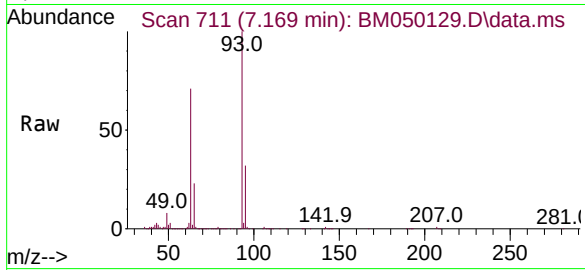




#11
bis(2-Chloroethyl)ether
Concen: 37.871 ng
RT: 7.169 min Scan# 711
Delta R.T. -0.023 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

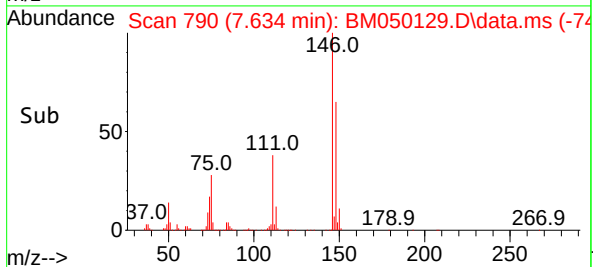
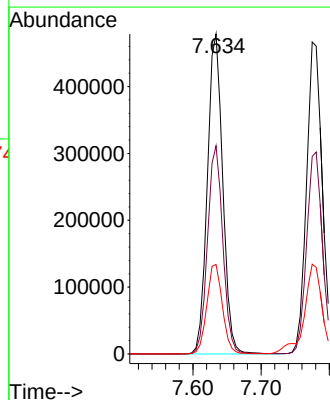
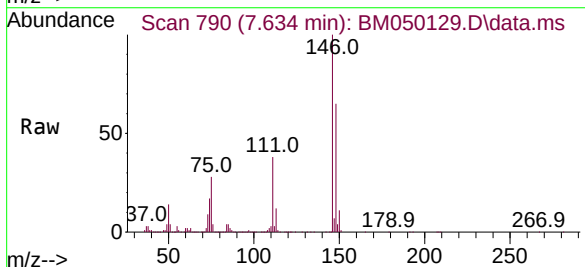
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BNA_M
ClientSampleId :
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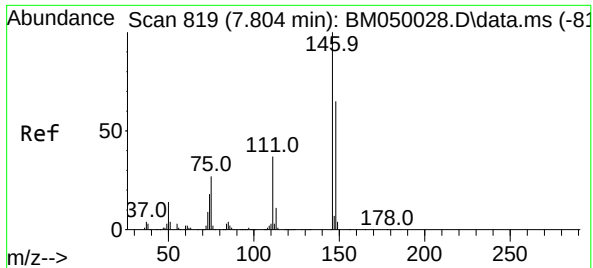
Tgt Ion: 93 Resp: 611928
Ion Ratio Lower Upper
93 100
63 71.4 52.3 92.3
95 32.3 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 37.769 ng
RT: 7.634 min Scan# 790
Delta R.T. -0.023 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

Tgt Ion: 146 Resp: 750200
Ion Ratio Lower Upper
146 100
148 65.0 52.5 78.7
75 28.0 22.6 34.0

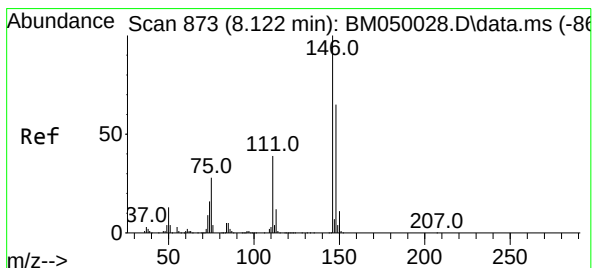
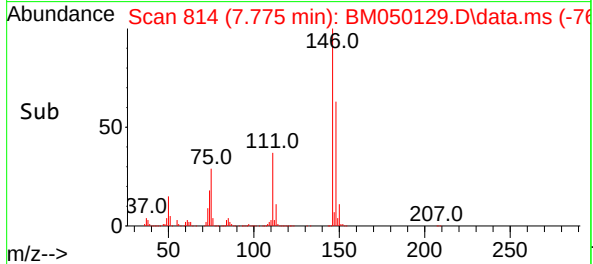
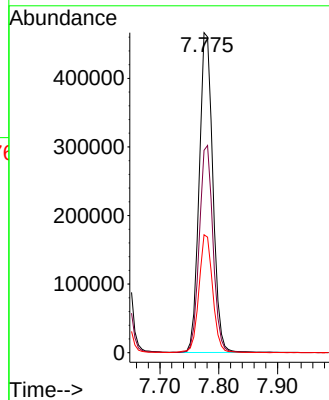
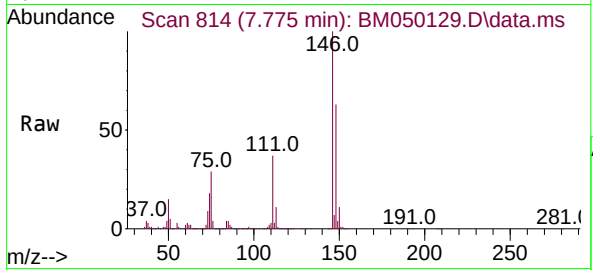




#13
1,4-Dichlorobenzene
Concen: 37.673 ng
RT: 7.775 min Scan# 81
Delta R.T. -0.029 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

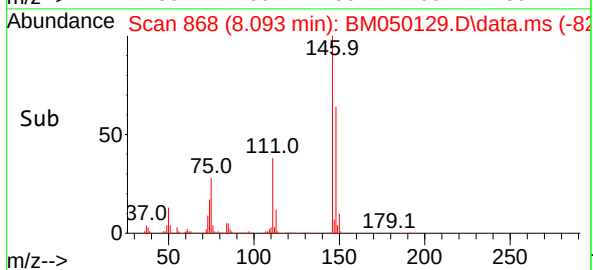
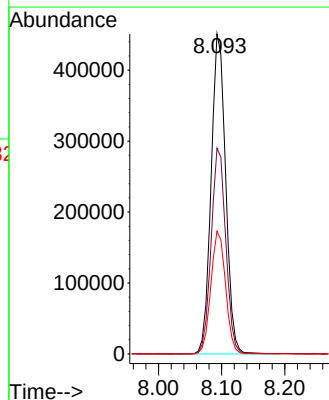
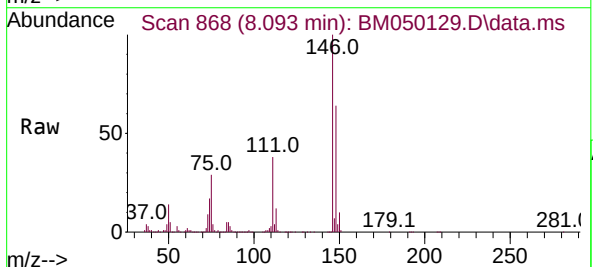
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

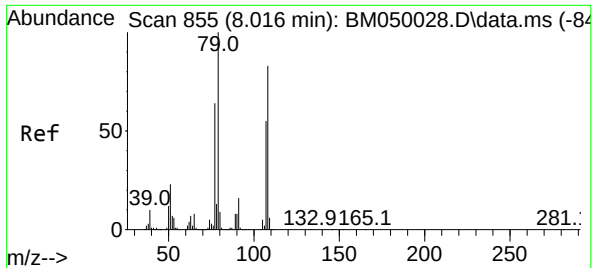
Tgt Ion:146 Resp: 751753
Ion Ratio Lower Upper
146 100
148 63.3 52.2 78.2
111 36.9 29.3 43.9



#14
1,2-Dichlorobenzene
Concen: 37.392 ng
RT: 8.093 min Scan# 868
Delta R.T. -0.029 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

Tgt Ion:146 Resp: 720747
Ion Ratio Lower Upper
146 100
148 64.3 52.4 78.6
111 38.4 31.0 46.6

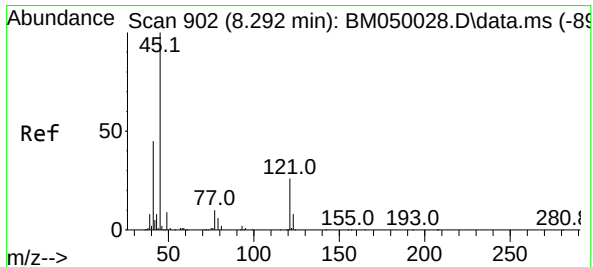
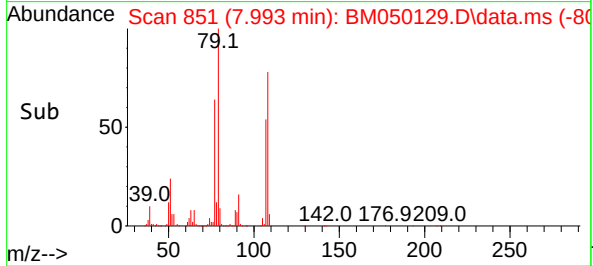
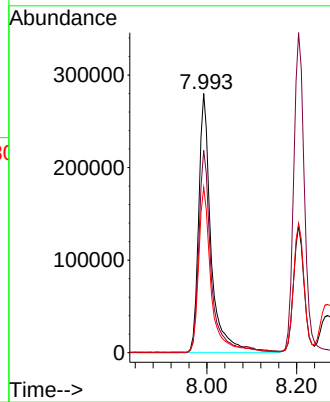
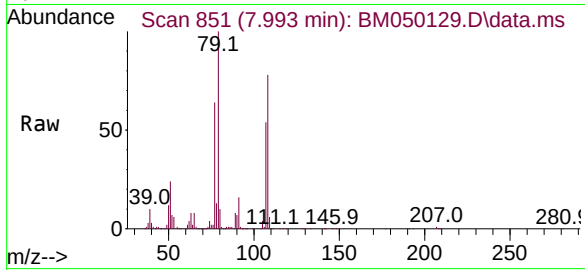




#15
Benzyl Alcohol
Concen: 40.351 ng
RT: 7.993 min Scan# 81
Delta R.T. -0.023 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

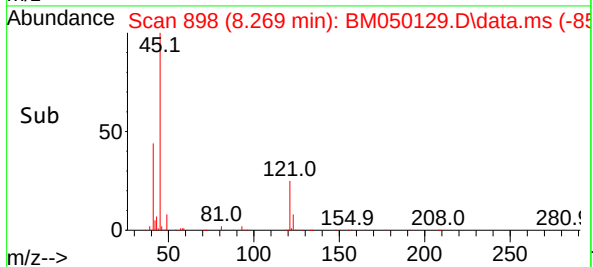
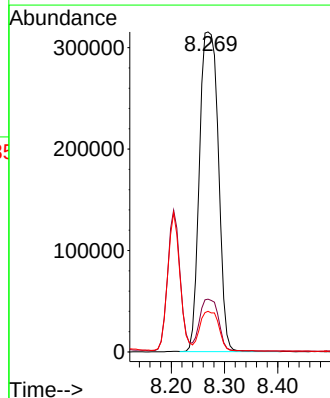
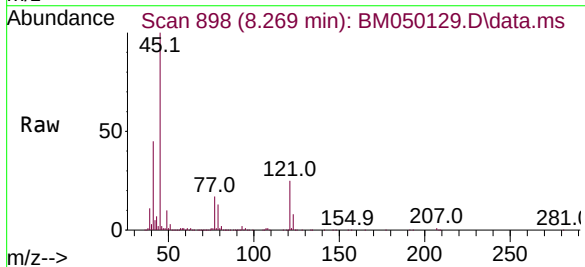
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

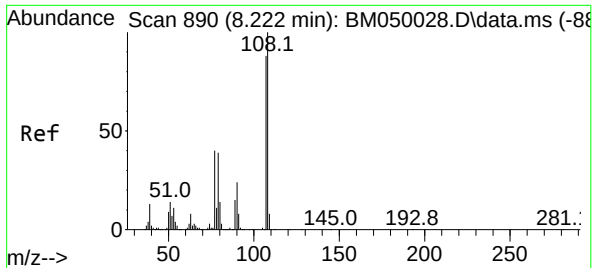
Tgt Ion: 79 Resp: 534885
Ion Ratio Lower Upper
79 100
108 78.0 66.0 99.0
77 63.8 51.6 77.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.358 ng
RT: 8.269 min Scan# 898
Delta R.T. -0.023 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

Tgt Ion: 45 Resp: 773045
Ion Ratio Lower Upper
45 100
77 16.5 0.0 36.4
79 12.7 0.0 32.7





#17

2-Methylphenol

Concen: 39.297 ng

RT: 8.204 min Scan# 887

Delta R.T. -0.017 min

Lab File: BM050129.D

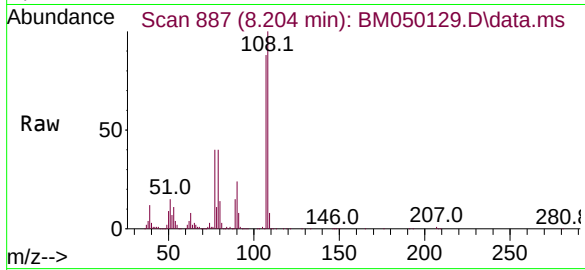
Acq: 07 May 2025 09:56

Instrument :

BNA_M

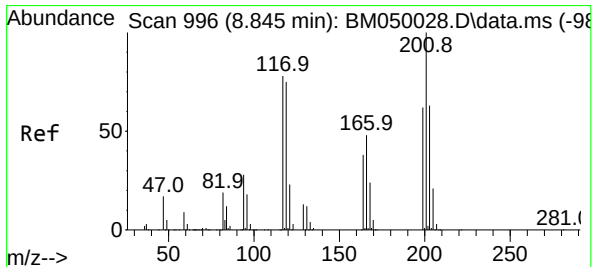
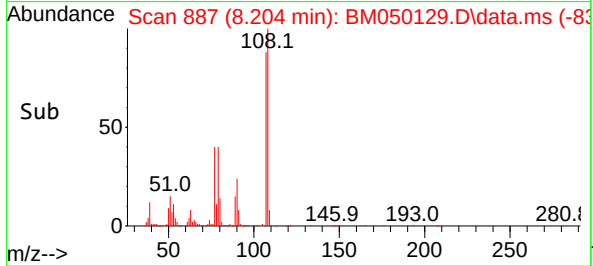
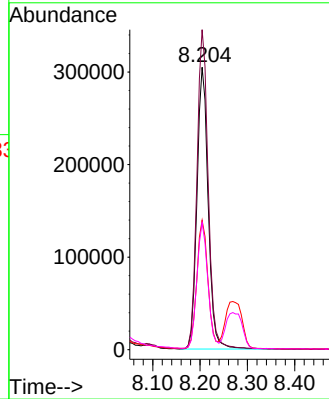
ClientSampleId :

SSTDCCC040



Tgt Ion:107 Resp: 500949

Ion	Ratio	Lower	Upper
107	100		
108	113.3	91.1	136.7
77	45.8	36.2	54.4
79	45.0	35.8	53.8



#18

Hexachloroethane

Concen: 37.618 ng

RT: 8.816 min Scan# 991

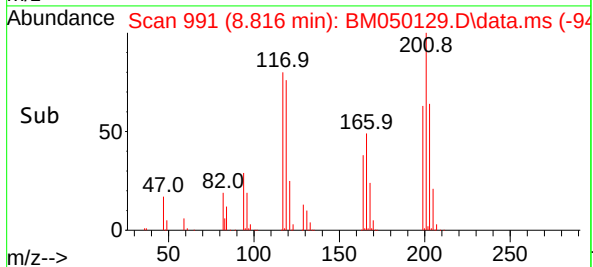
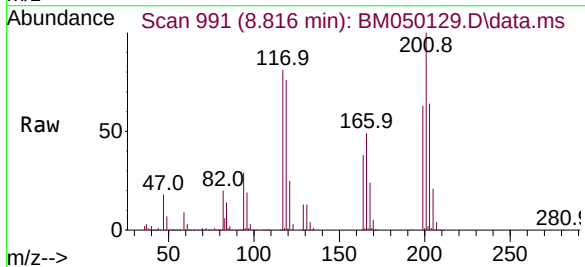
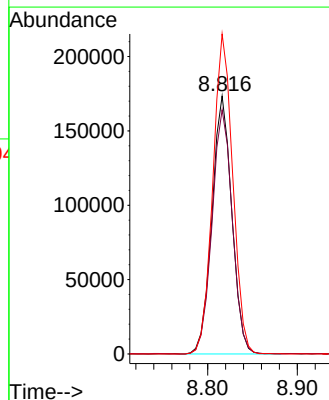
Delta R.T. -0.029 min

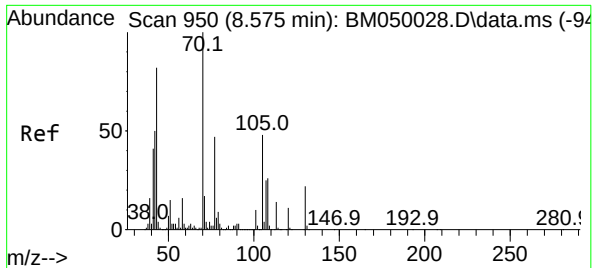
Lab File: BM050129.D

Acq: 07 May 2025 09:56

Tgt Ion:117 Resp: 266844

Ion	Ratio	Lower	Upper
117	100		
119	94.6	77.3	115.9
201	124.1	102.8	154.2

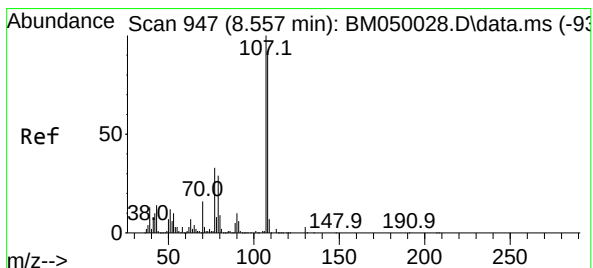
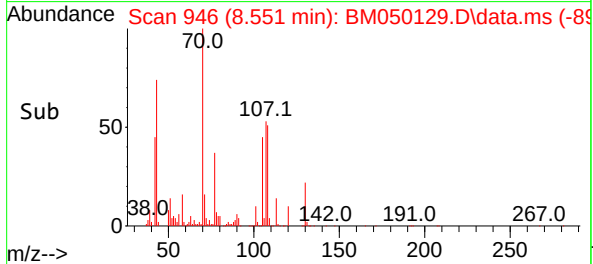
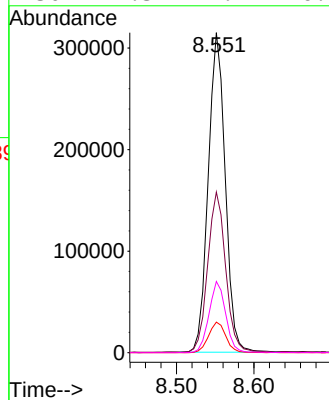
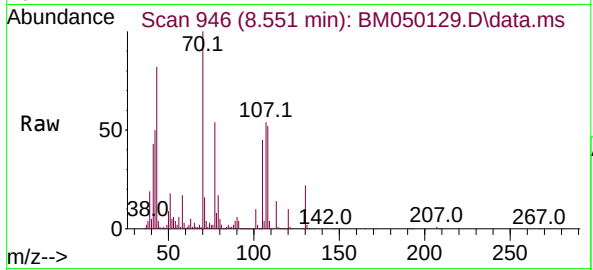




#19
n-Nitroso-di-n-propylamine
Concen: 39.100 ng
RT: 8.551 min Scan# 946
Delta R.T. -0.023 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

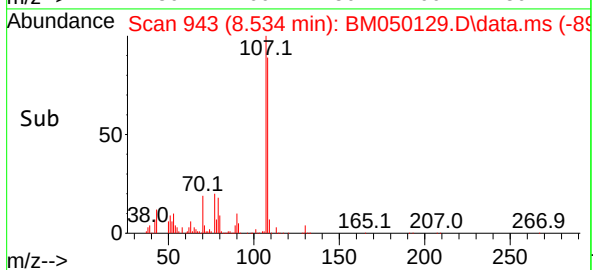
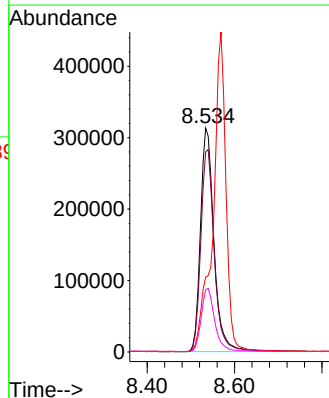
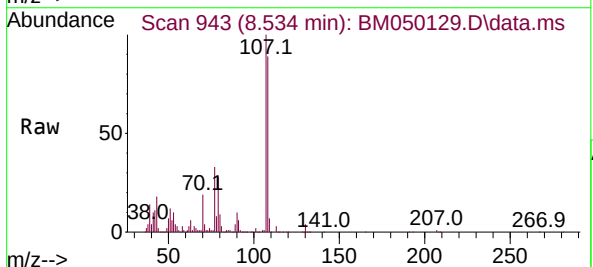
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

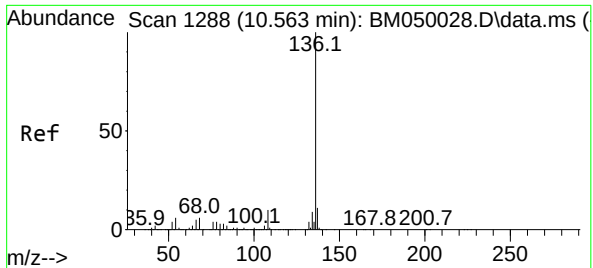
Tgt Ion: 70 Resp: 479342
Ion Ratio Lower Upper
70 100
42 50.2 40.5 60.7
101 9.5 7.8 11.6
130 22.3 17.4 26.2



#20
3+4-Methylphenols
Concen: 39.165 ng
RT: 8.534 min Scan# 943
Delta R.T. -0.023 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

Tgt Ion: 107 Resp: 674221
Ion Ratio Lower Upper
107 100
108 89.3 72.4 112.4
77 33.4 13.6 53.6
79 27.9 9.2 49.2

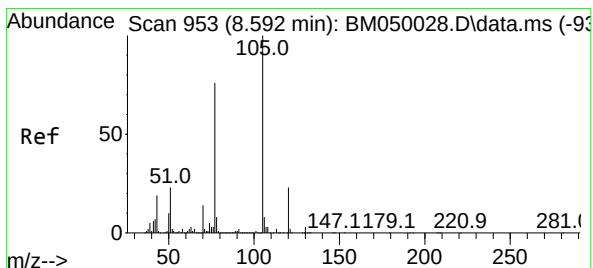
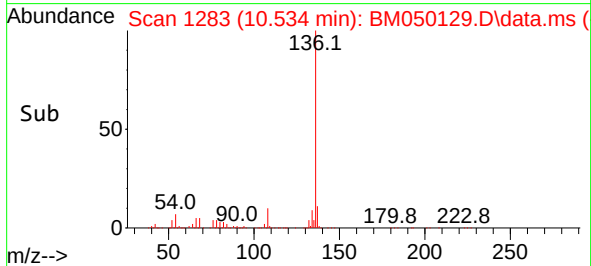
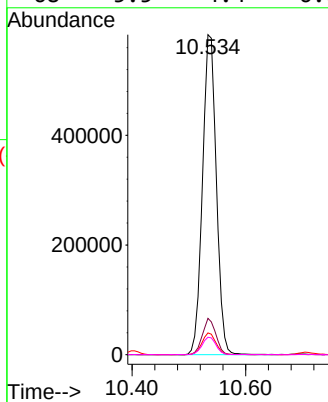
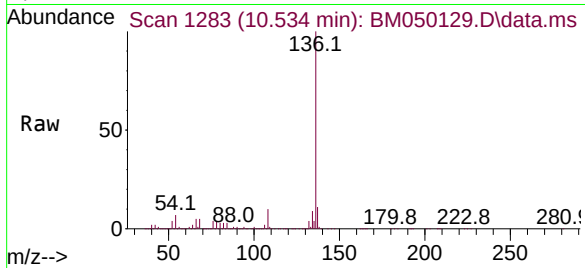




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.534 min Scan# 11
Delta R.T. -0.029 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

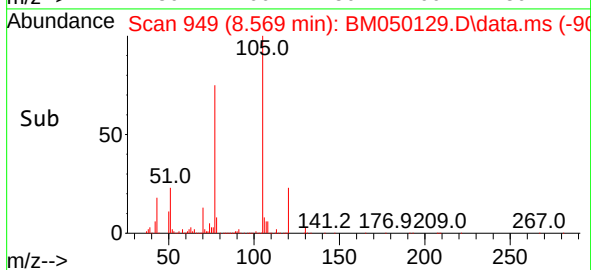
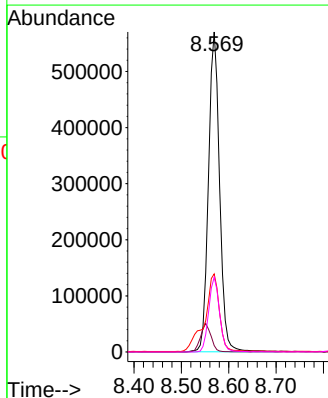
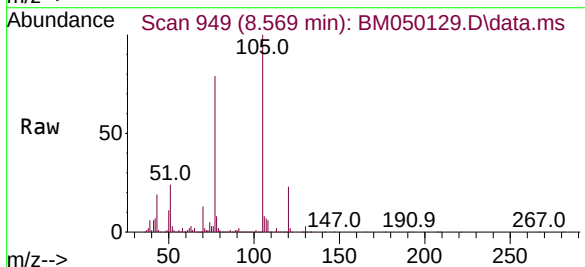
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

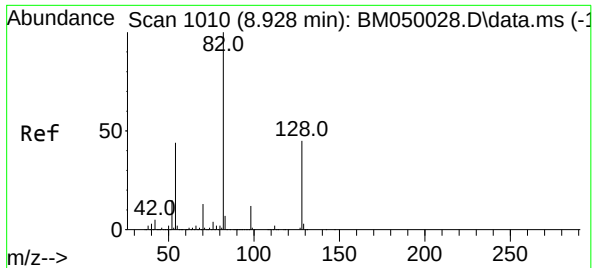
Tgt Ion:136 Resp: 985466
Ion Ratio Lower Upper
136 100
137 11.3 8.9 13.3
54 6.8 5.1 7.7
68 5.5 4.4 6.6



#22
Acetophenone
Concen: 37.985 ng
RT: 8.569 min Scan# 949
Delta R.T. -0.023 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

Tgt Ion:105 Resp: 930655
Ion Ratio Lower Upper
105 100
71 2.0 1.7 2.5
51 24.4 18.6 27.8
120 23.3 18.3 27.5

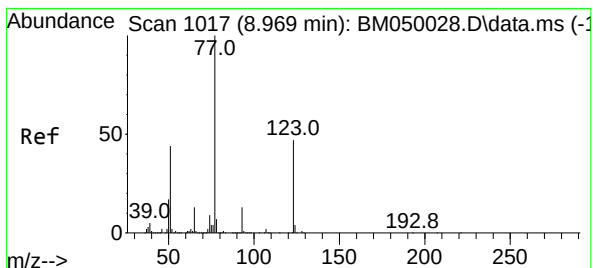
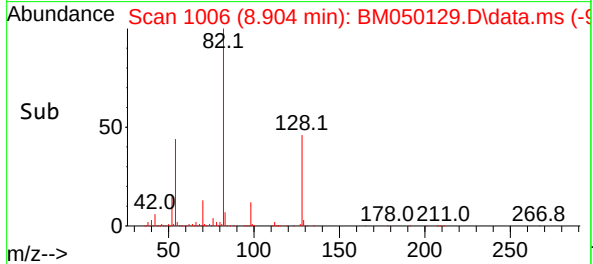
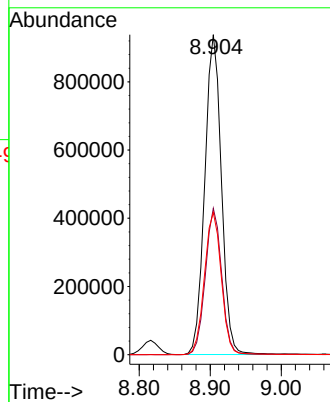
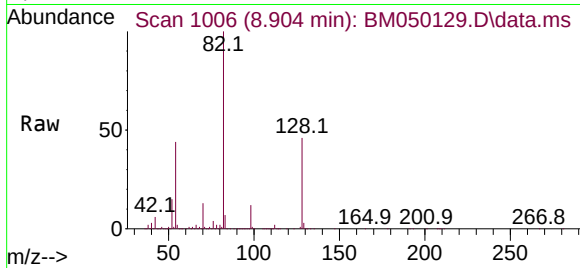




#23
Nitrobenzene-d5
Concen: 76.498 ng
RT: 8.904 min Scan# 1006
Delta R.T. -0.023 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

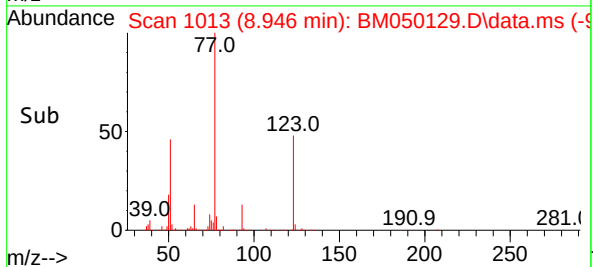
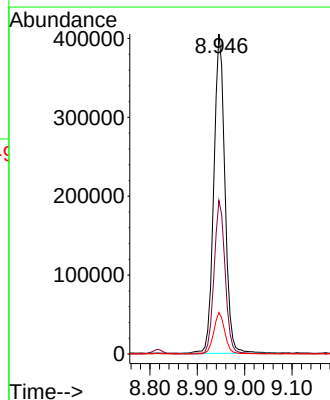
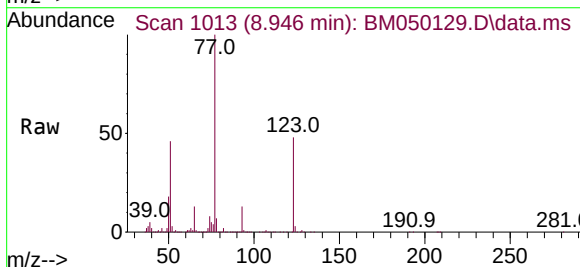
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

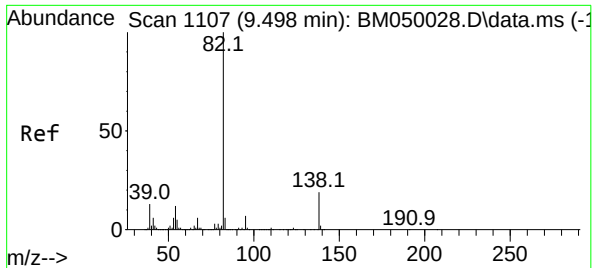
Tgt Ion: 82 Resp: 1529857
Ion Ratio Lower Upper
82 100
128 45.8 35.7 53.5
54 44.4 35.4 53.2



#24
Nitrobenzene
Concen: 38.361 ng
RT: 8.946 min Scan# 1013
Delta R.T. -0.023 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

Tgt Ion: 77 Resp: 663350
Ion Ratio Lower Upper
77 100
123 48.0 37.9 56.9
65 13.0 10.1 15.1

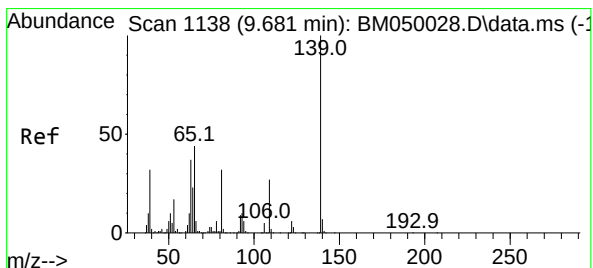
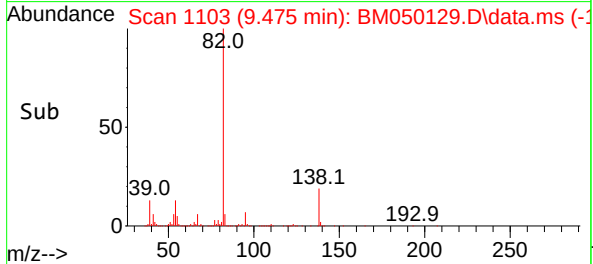
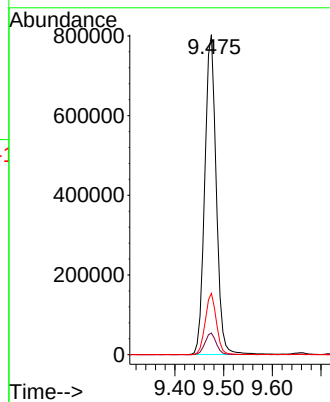
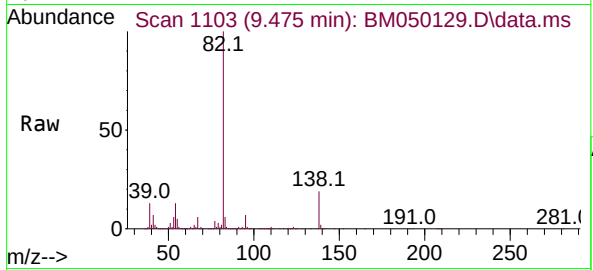




#25
Isophorone
Concen: 38.379 ng
RT: 9.475 min Scan# 1103
Delta R.T. -0.023 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

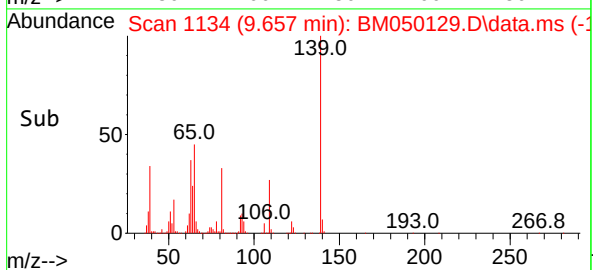
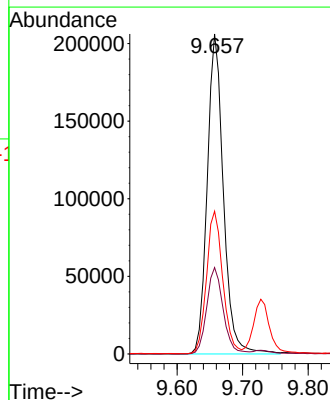
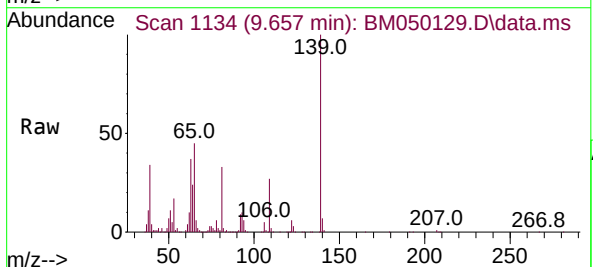
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

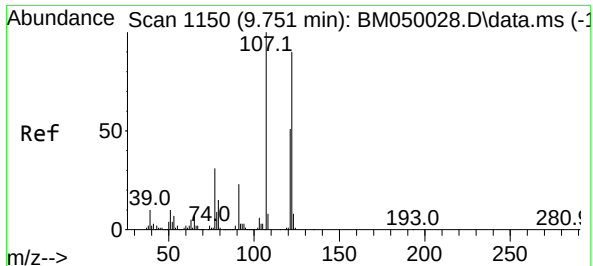
Tgt Ion: 82 Resp: 1308322
Ion Ratio Lower Upper
82 100
95 6.8 5.7 8.5
138 19.1 15.5 23.3



#26
2-Nitrophenol
Concen: 40.028 ng
RT: 9.657 min Scan# 1134
Delta R.T. -0.023 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

Tgt Ion: 139 Resp: 353615
Ion Ratio Lower Upper
139 100
109 27.0 21.9 32.9
65 44.6 35.4 53.2





#27

2,4-Dimethylphenol

Concen: 39.146 ng

RT: 9.728 min Scan# 1146

Delta R.T. -0.023 min

Lab File: BM050129.D

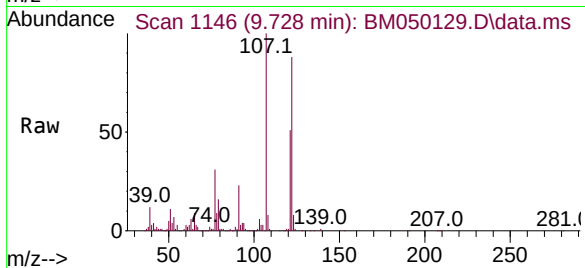
Acq: 07 May 2025 09:56

Instrument :

BNA_M

ClientSampleId :

SSTDCCC040



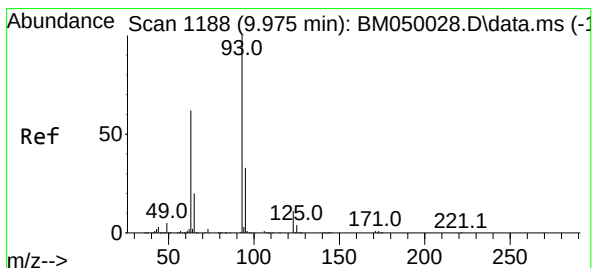
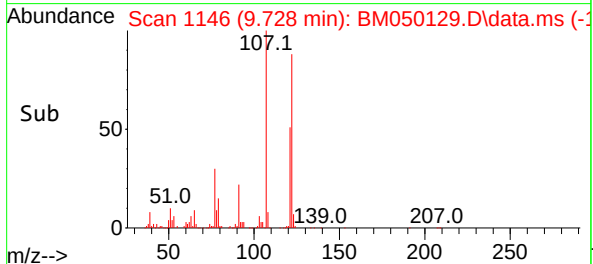
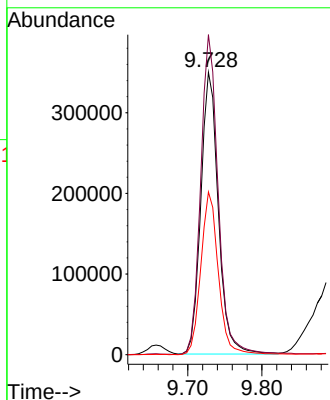
Tgt Ion:122 Resp: 573493

Ion Ratio Lower Upper

122 100

107 113.3 89.0 133.6

121 57.6 45.6 68.4



#28

bis(2-Chloroethoxy)methane

Concen: 38.093 ng

RT: 9.951 min Scan# 1184

Delta R.T. -0.023 min

Lab File: BM050129.D

Acq: 07 May 2025 09:56

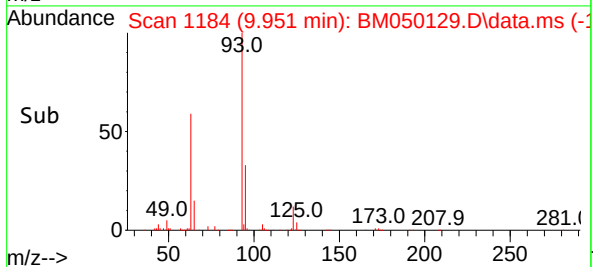
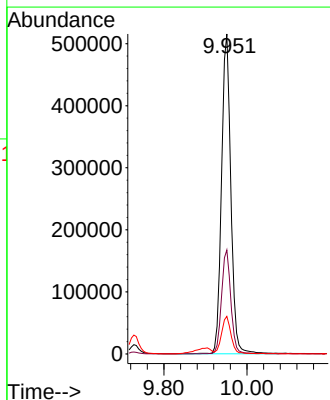
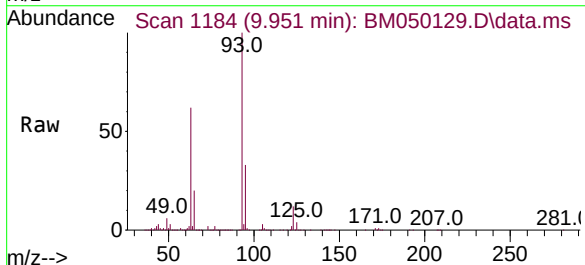
Tgt Ion: 93 Resp: 802616

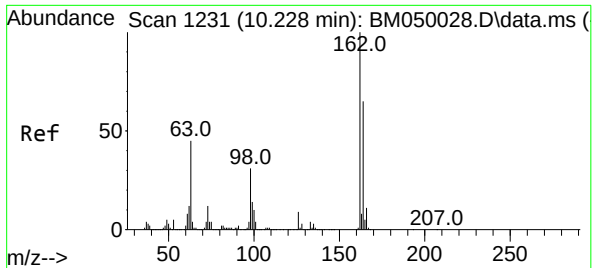
Ion Ratio Lower Upper

93 100

95 32.5 26.1 39.1

123 11.8 9.5 14.3





#29

2,4-Dichlorophenol

Concen: 38.777 ng

RT: 10.210 min Scan# 1231

Delta R.T. -0.017 min

Lab File: BM050129.D

Acq: 07 May 2025 09:56

Instrument :

BNA_M

ClientSampleId :

SSTDCCC040

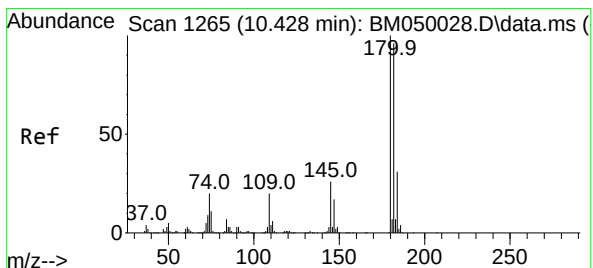
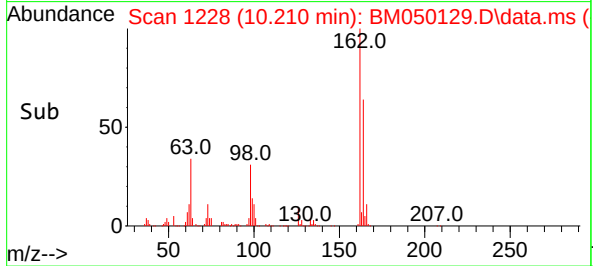
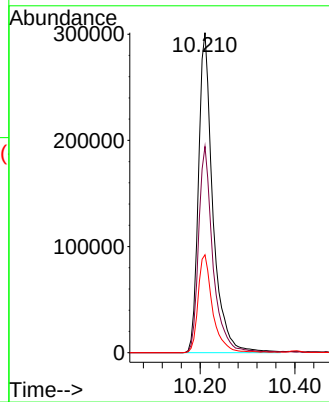
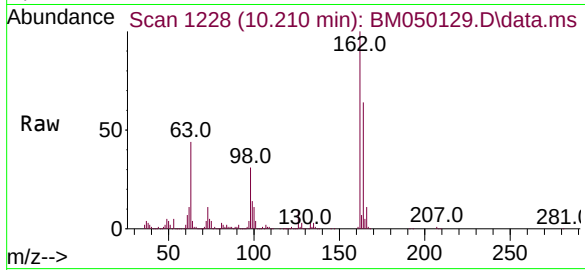
Tgt Ion:162 Resp: 636422

Ion Ratio Lower Upper

162 100

164 64.4 45.4 85.4

98 30.6 11.3 51.3



#30

1,2,4-Trichlorobenzene

Concen: 37.345 ng

RT: 10.404 min Scan# 1261

Delta R.T. -0.023 min

Lab File: BM050129.D

Acq: 07 May 2025 09:56

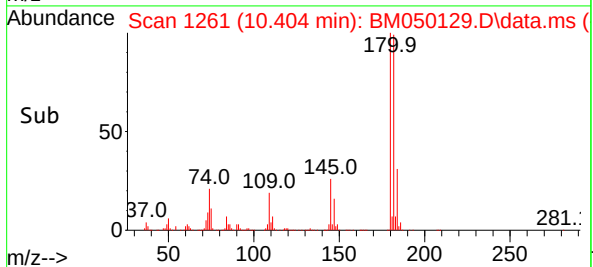
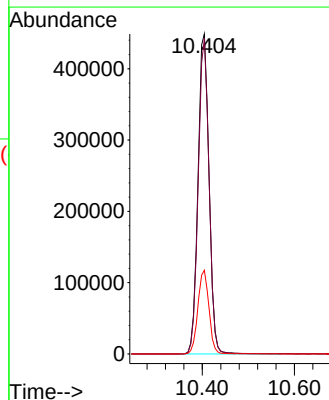
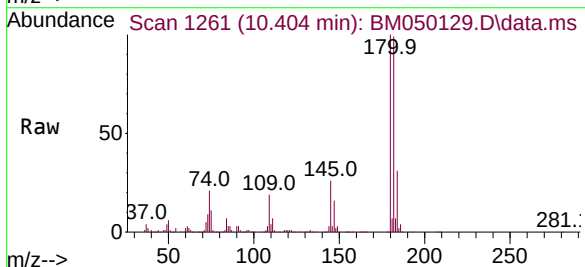
Tgt Ion:180 Resp: 746754

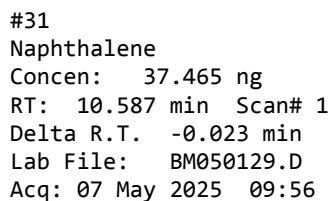
Ion Ratio Lower Upper

180 100

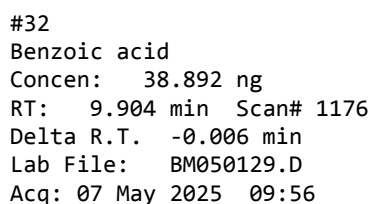
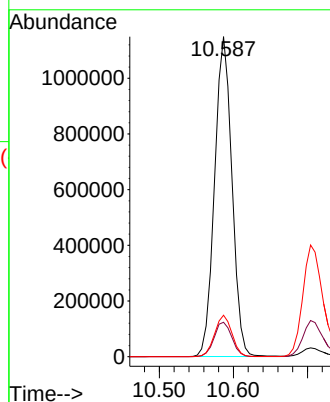
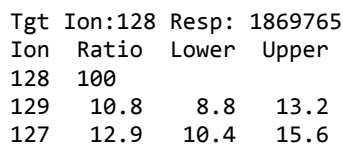
182 98.6 77.0 115.4

145 26.1 20.6 30.8

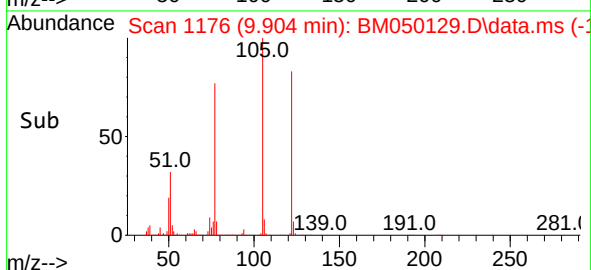
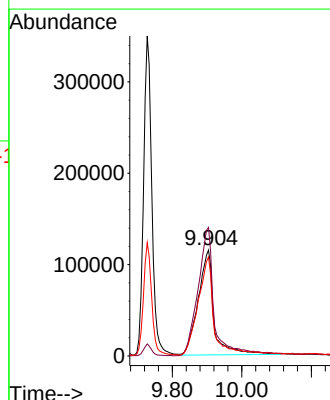


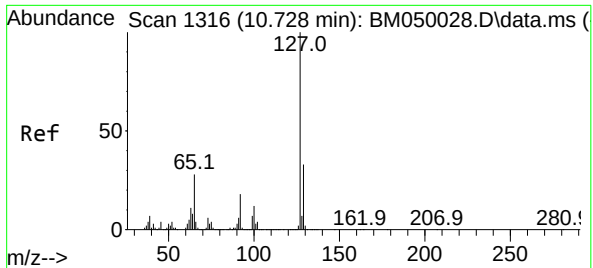


Instrument :
BNA_M
ClientSampleId :
SSTDCCC040



Tgt	Ion:122	Resp:	364406
Ion	Ratio	Lower	Upper
122	100		
105	121.4	103.6	143.6
77	93.4	73.7	113.7

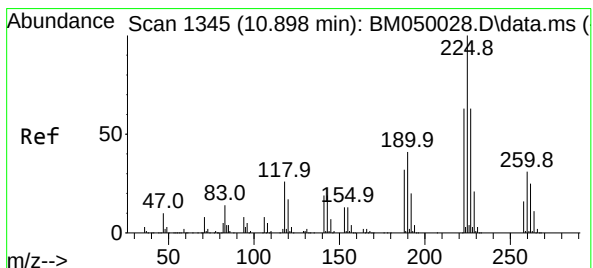
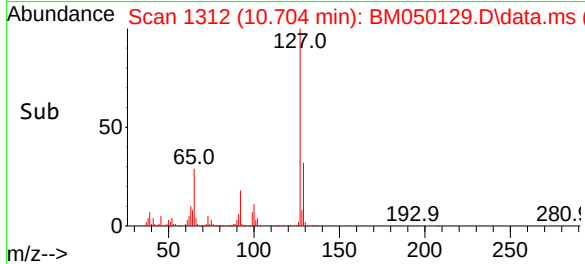
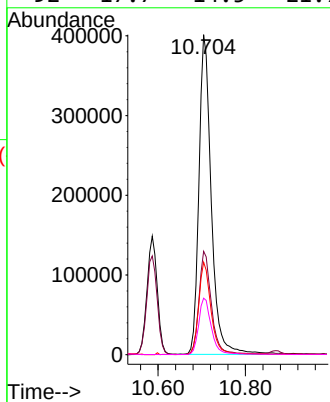
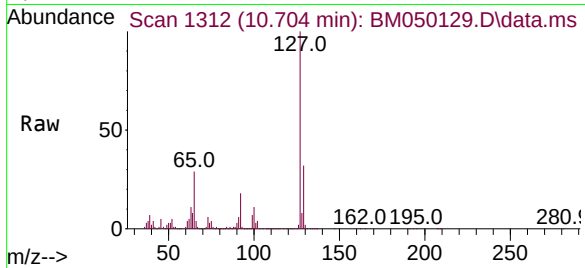




#33
4-Chloroaniline
Concen: 38.655 ng
RT: 10.704 min Scan# 11
Delta R.T. -0.023 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

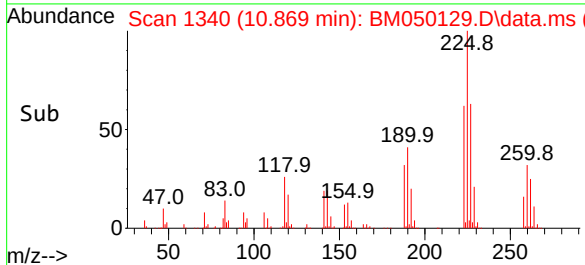
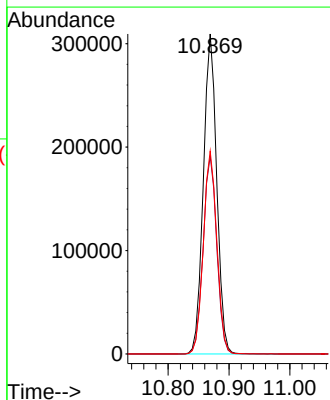
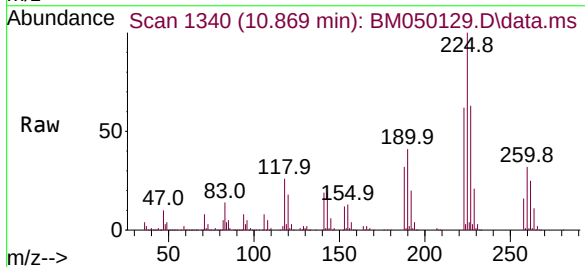
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

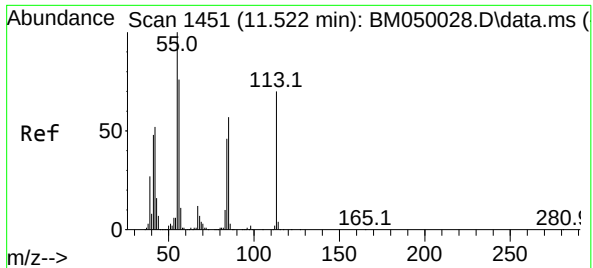
Tgt Ion:	127	Resp:	790719
Ion	Ratio	Lower	Upper
127	100		
129	32.3	26.3	39.5
65	28.9	22.5	33.7
92	17.7	14.5	21.7



#34
Hexachlorobutadiene
Concen: 37.153 ng
RT: 10.869 min Scan# 1340
Delta R.T. -0.029 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

Tgt Ion:	225	Resp:	471584
Ion	Ratio	Lower	Upper
225	100		
223	61.9	50.2	75.2
227	63.4	50.6	76.0

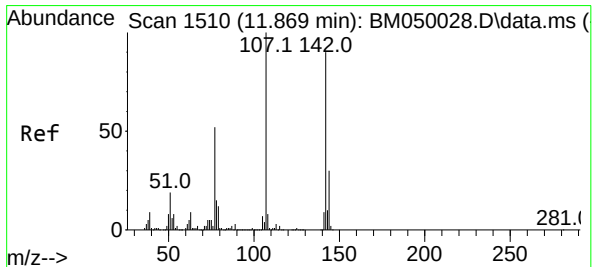
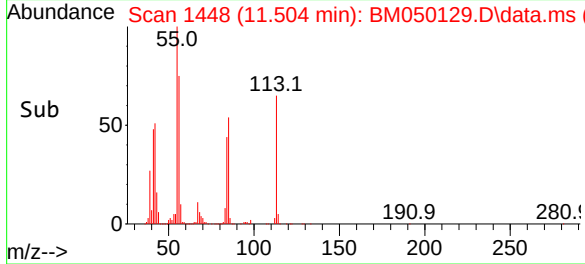
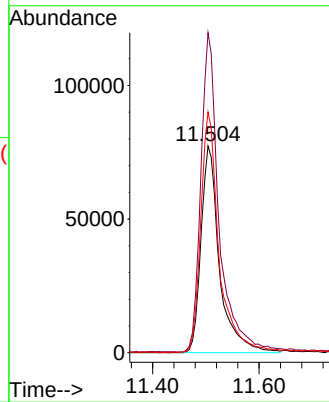
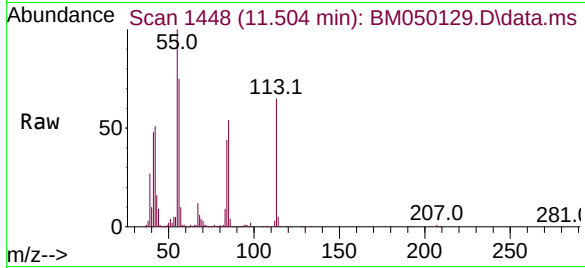




#35
Caprolactam
Concen: 38.907 ng
RT: 11.504 min Scan# 1451
Delta R.T. -0.017 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

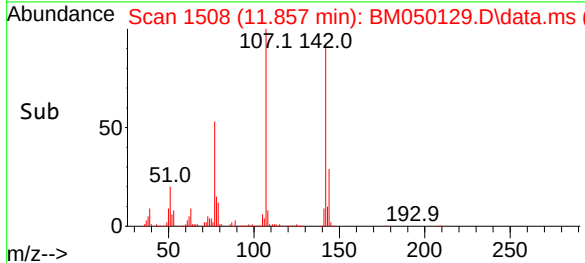
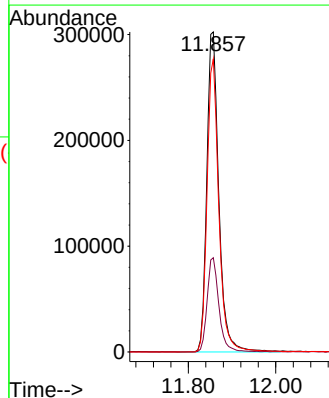
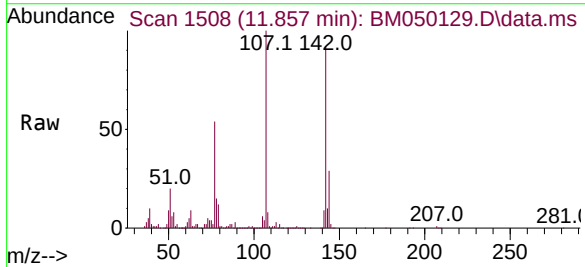
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

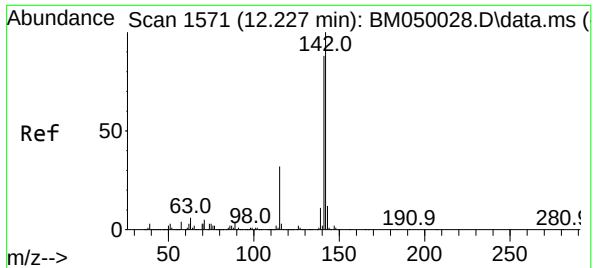
Tgt Ion:113 Resp: 186188
Ion Ratio Lower Upper
113 100
55 154.8 122.9 162.9
56 116.5 88.1 128.1



#36
4-Chloro-3-methylphenol
Concen: 38.219 ng
RT: 11.857 min Scan# 1508
Delta R.T. -0.012 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

Tgt Ion:107 Resp: 579525
Ion Ratio Lower Upper
107 100
144 29.4 23.8 35.6
142 91.6 71.9 107.9

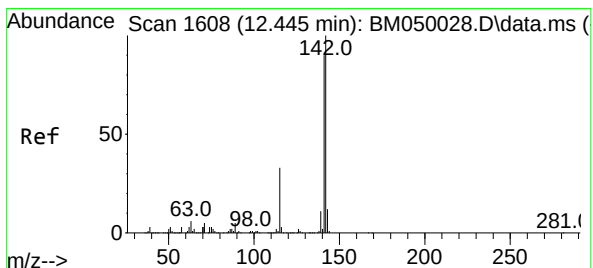
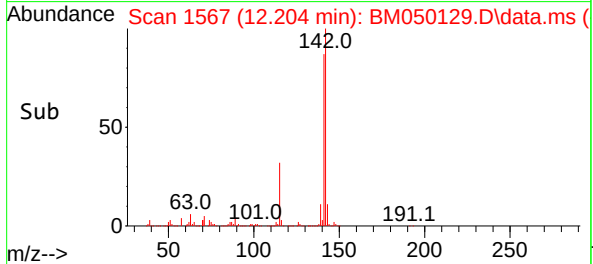
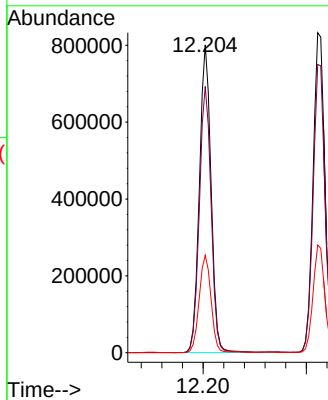
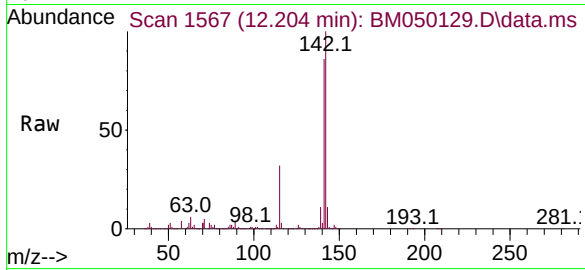




#37
2-Methylnaphthalene
Concen: 37.483 ng
RT: 12.204 min Scan# 1567
Delta R.T. -0.023 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

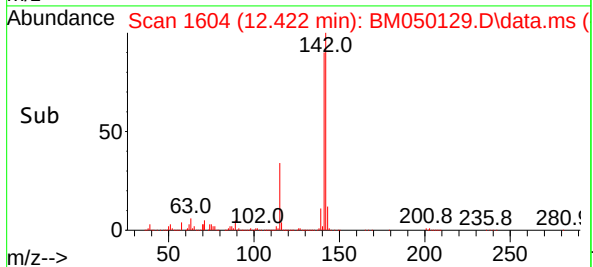
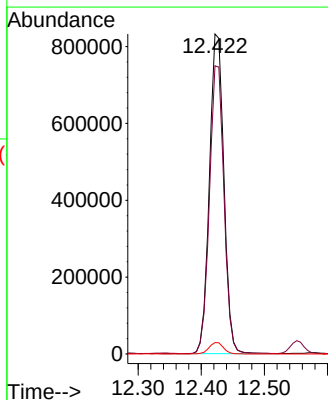
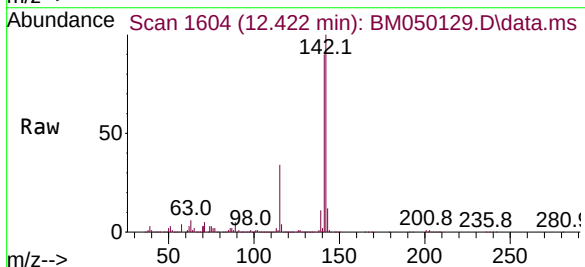
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

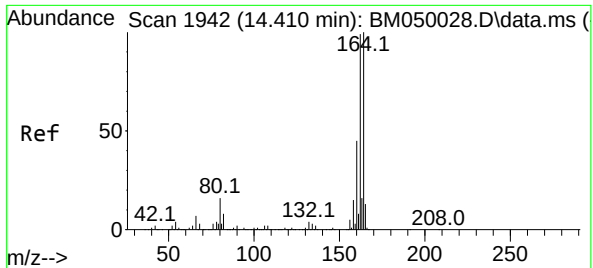
Tgt Ion:142 Resp: 1254166
Ion Ratio Lower Upper
142 100
141 86.5 70.4 105.6
115 31.6 25.4 38.2



#38
1-Methylnaphthalene
Concen: 37.416 ng
RT: 12.422 min Scan# 1604
Delta R.T. -0.023 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

Tgt Ion:142 Resp: 1324896
Ion Ratio Lower Upper
142 100
141 90.0 72.1 108.1
116 3.6 2.7 4.1

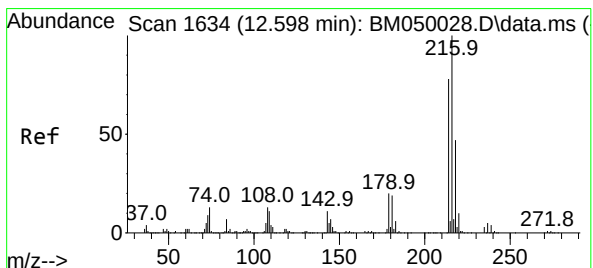
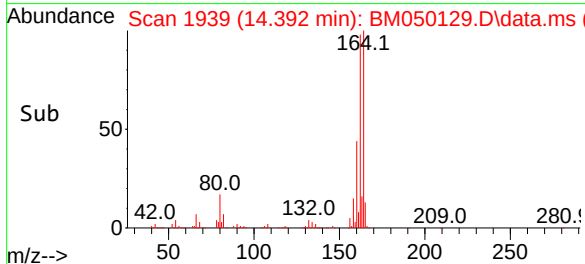
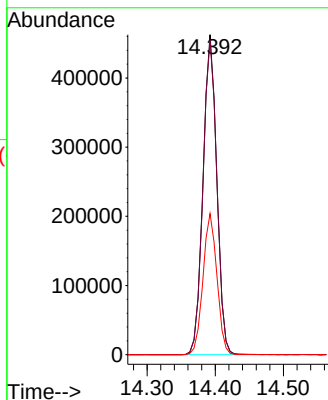
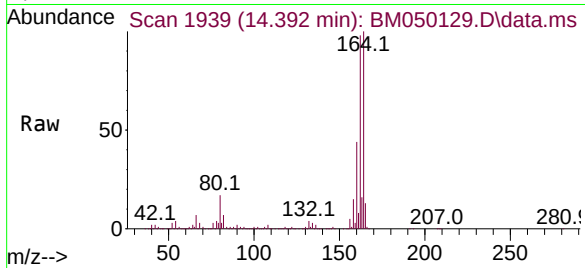




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1942
Delta R.T. -0.018 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

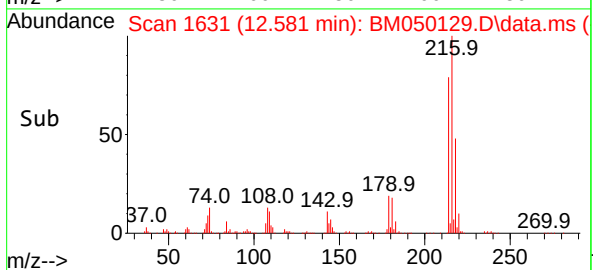
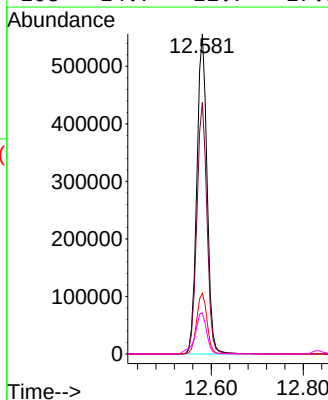
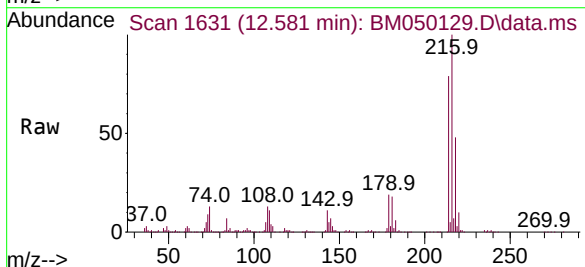
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

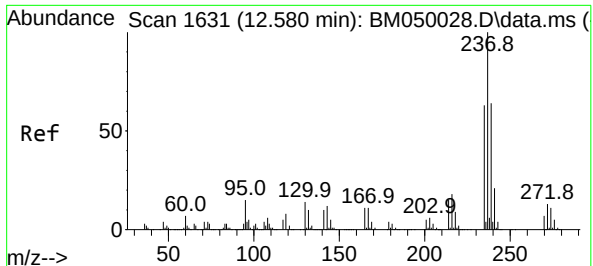
Tgt Ion:164 Resp: 648787
Ion Ratio Lower Upper
164 100
162 98.2 79.4 119.0
160 44.1 36.2 54.4



#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.962 ng
RT: 12.581 min Scan# 1631
Delta R.T. -0.017 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

Tgt Ion:216 Resp: 852610
Ion Ratio Lower Upper
216 100
214 78.2 62.3 93.5
179 19.4 15.4 23.0
108 14.7 11.7 17.5

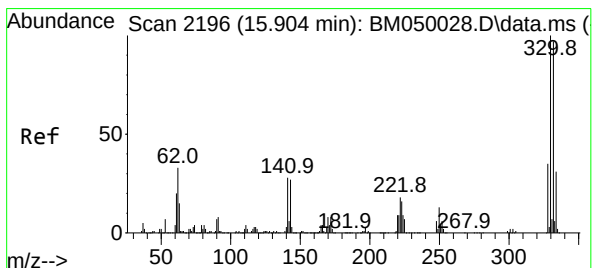
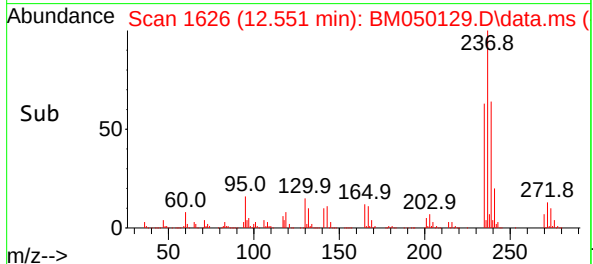
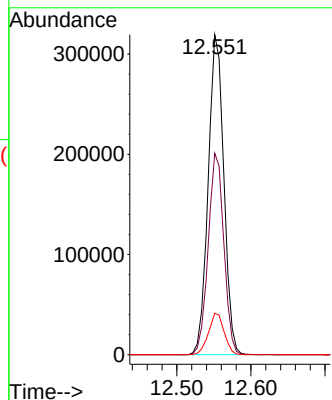
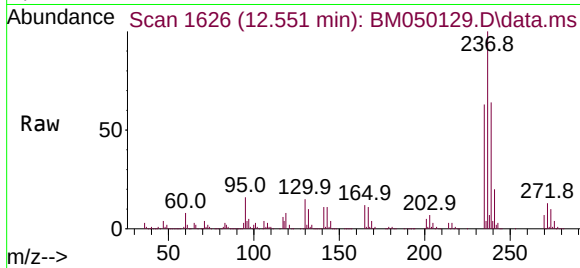




#41
Hexachlorocyclopentadiene
Concen: 34.123 ng
RT: 12.551 min Scan# 1
Delta R.T. -0.029 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

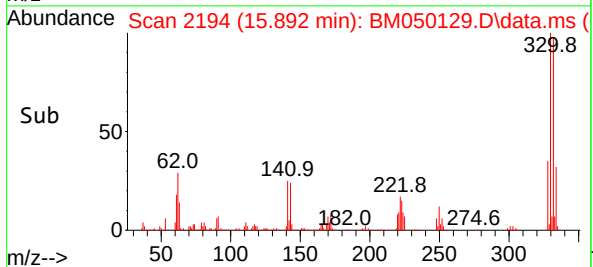
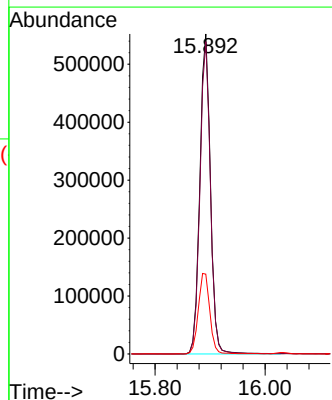
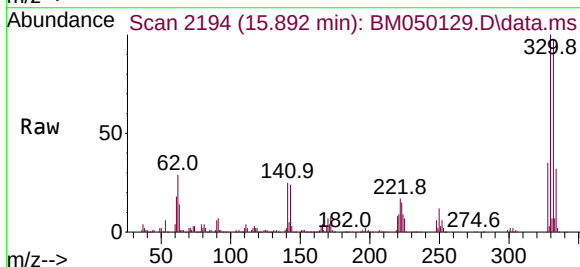
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

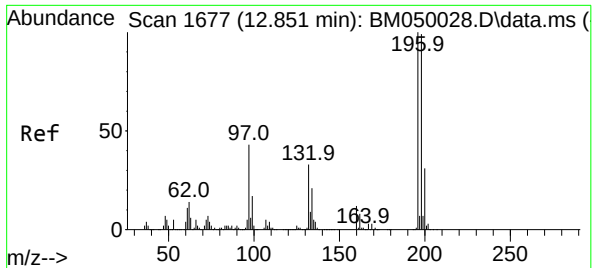
Tgt Ion:237 Resp: 468351
Ion Ratio Lower Upper
237 100
235 63.0 42.9 82.9
272 13.0 0.0 32.9



#42
2,4,6-Tribromophenol
Concen: 77.152 ng
RT: 15.892 min Scan# 2194
Delta R.T. -0.012 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

Tgt Ion:330 Resp: 740128
Ion Ratio Lower Upper
330 100
332 96.6 77.3 115.9
141 27.4 22.5 33.7





#43

2,4,6-Trichlorophenol

Concen: 39.025 ng

RT: 12.834 min Scan# 1

Delta R.T. -0.017 min

Lab File: BM050129.D

Acq: 07 May 2025 09:56

Instrument :

BNA_M

ClientSampleId :

SSTDCCC040

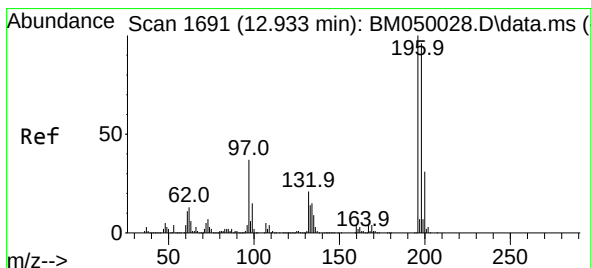
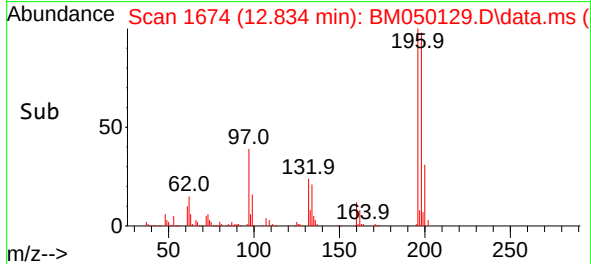
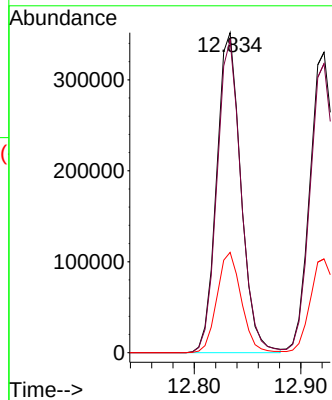
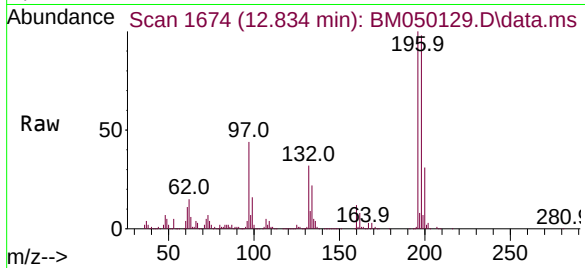
Tgt Ion:196 Resp: 555916

Ion Ratio Lower Upper

196 100

198 97.7 79.0 118.6

200 31.4 25.1 37.7



#44

2,4,5-Trichlorophenol

Concen: 39.223 ng

RT: 12.922 min Scan# 1689

Delta R.T. -0.012 min

Lab File: BM050129.D

Acq: 07 May 2025 09:56

Tgt Ion:196 Resp: 602516

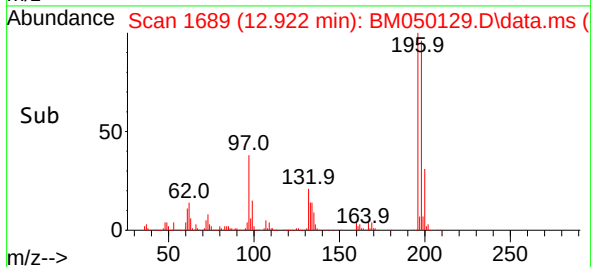
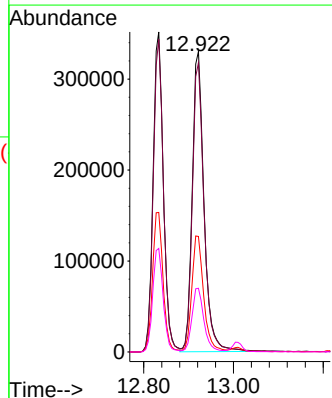
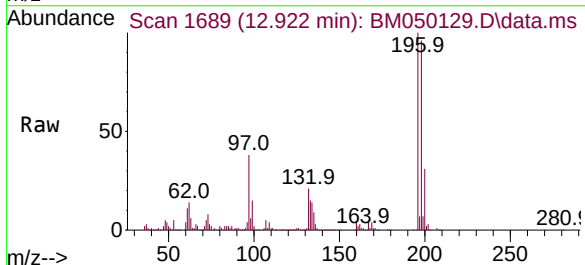
Ion Ratio Lower Upper

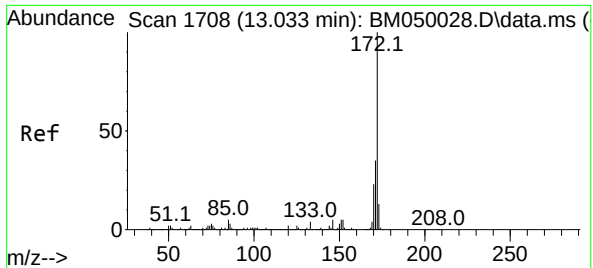
196 100

198 96.2 76.7 115.1

97 38.4 30.1 45.1

132 21.2 16.6 25.0

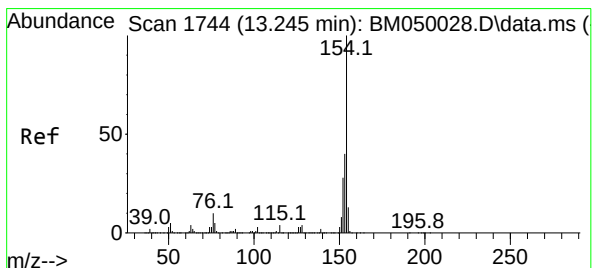
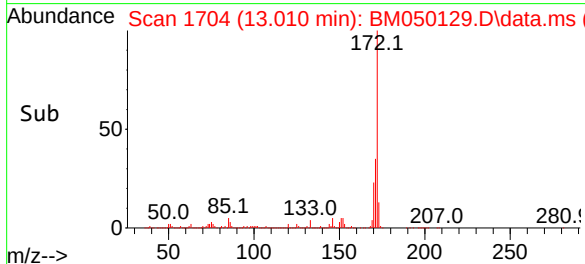
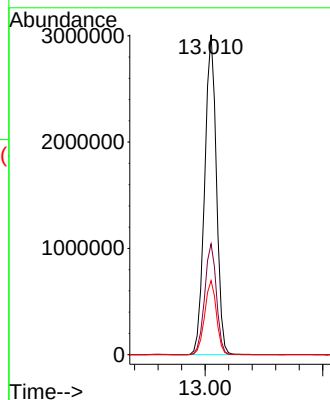
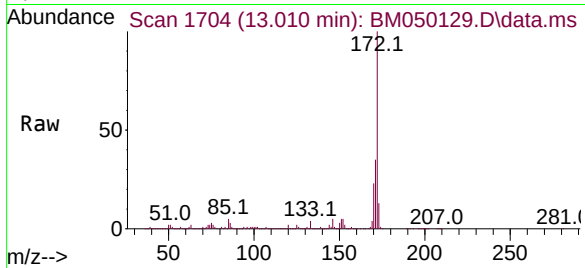




#45
2-Fluorobiphenyl
Concen: 76.285 ng
RT: 13.010 min Scan# 1704
Delta R.T. -0.023 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

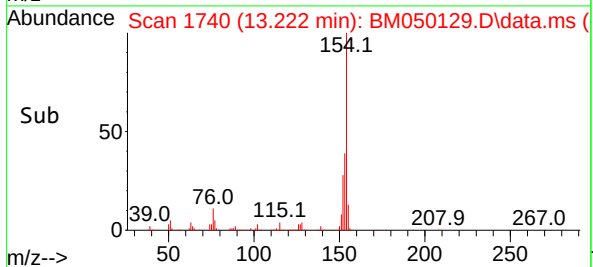
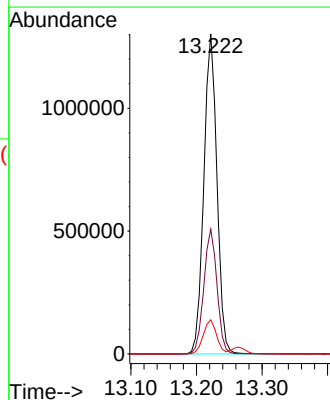
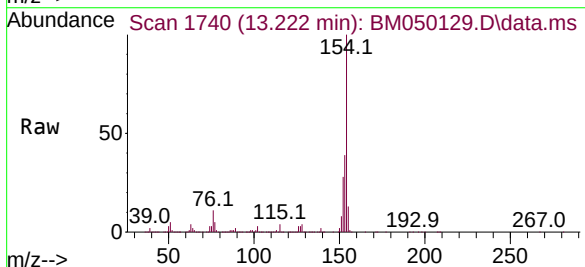
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

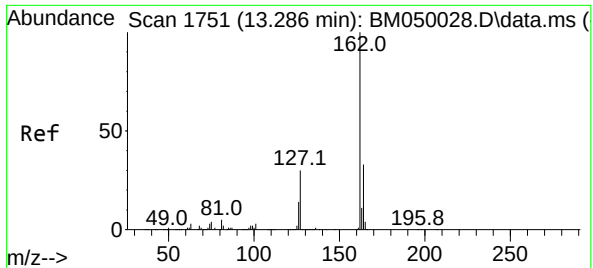
Tgt Ion:172 Resp: 4183725
Ion Ratio Lower Upper
172 100
171 34.6 27.8 41.6
170 23.1 18.6 28.0



#46
1,1'-Biphenyl
Concen: 37.665 ng
RT: 13.222 min Scan# 1740
Delta R.T. -0.023 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

Tgt Ion:154 Resp: 1816474
Ion Ratio Lower Upper
154 100
153 39.0 20.0 60.0
76 10.7 0.0 30.3

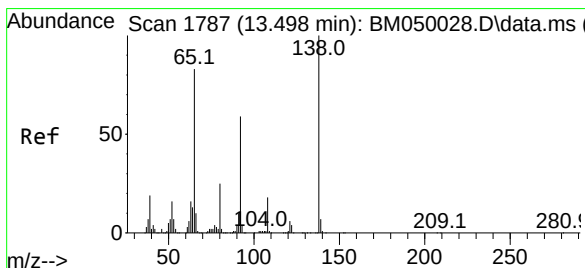
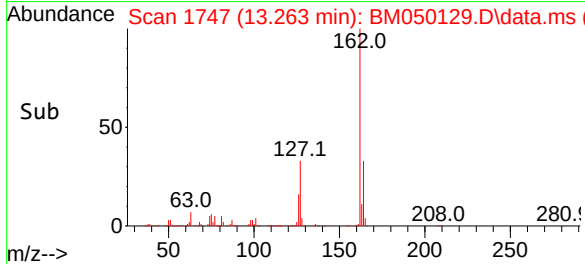
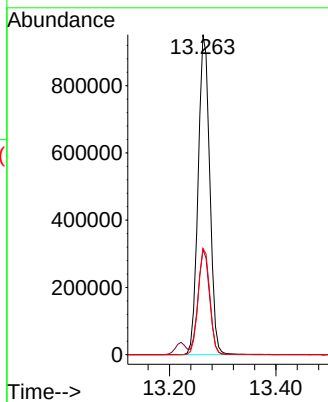
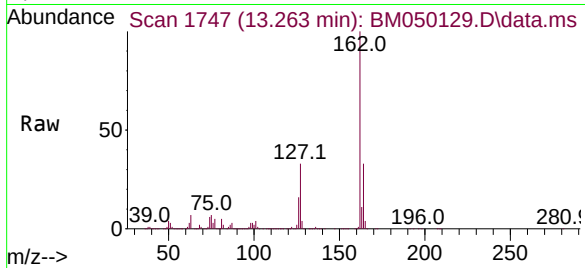




#47
2-Chloronaphthalene
Concen: 37.681 ng
RT: 13.263 min Scan# 1747
Delta R.T. -0.023 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

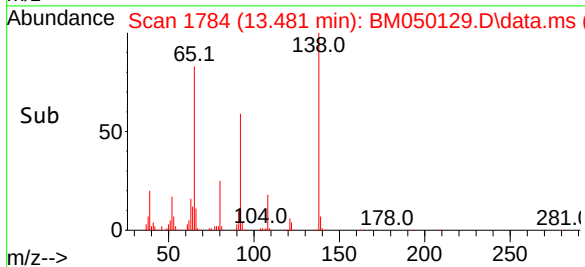
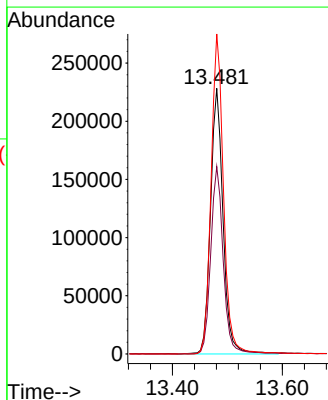
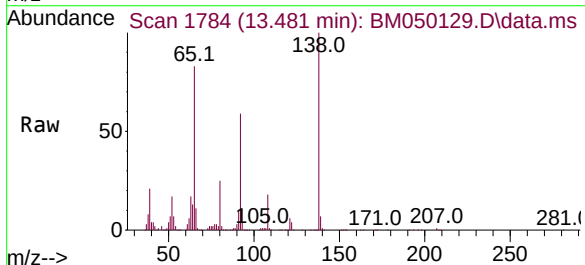
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

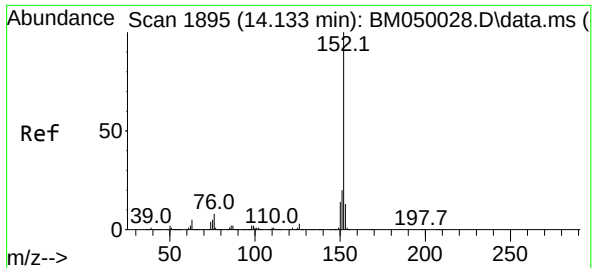
Tgt Ion:162 Resp: 1439265
Ion Ratio Lower Upper
162 100
127 32.8 25.9 38.9
164 33.2 26.6 40.0



#48
2-Nitroaniline
Concen: 40.448 ng
RT: 13.481 min Scan# 1784
Delta R.T. -0.017 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

Tgt Ion: 65 Resp: 362607
Ion Ratio Lower Upper
65 100
92 70.6 57.1 85.7
138 120.5 97.0 145.4

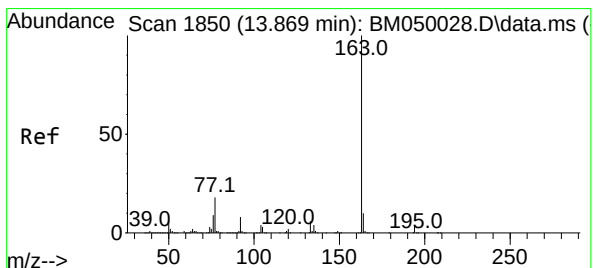
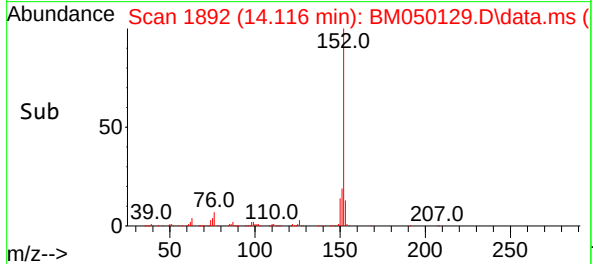
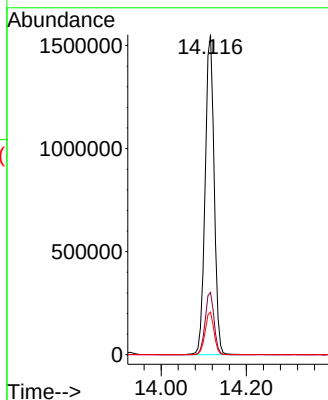
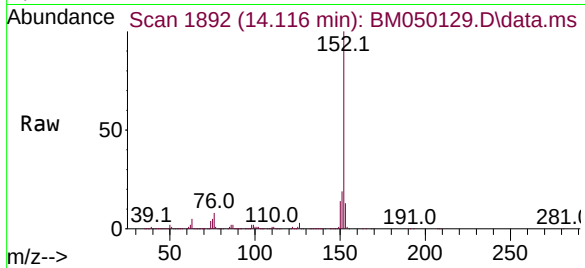




#49
Acenaphthylene
Concen: 37.758 ng
RT: 14.116 min Scan# 1892
Delta R.T. -0.017 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

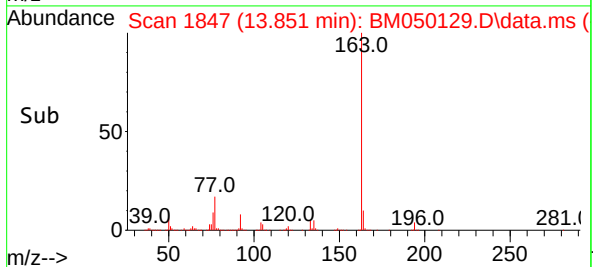
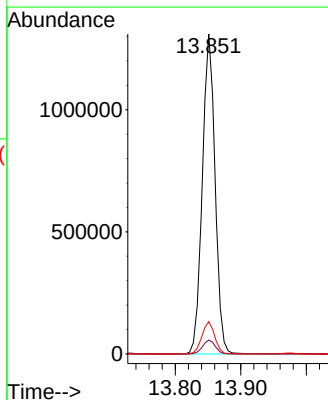
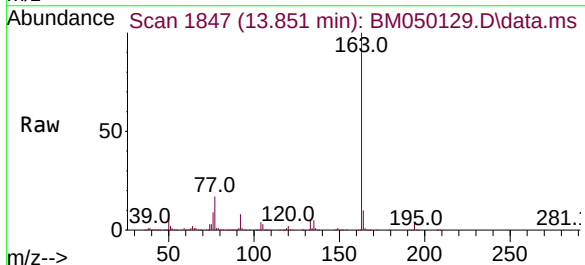
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

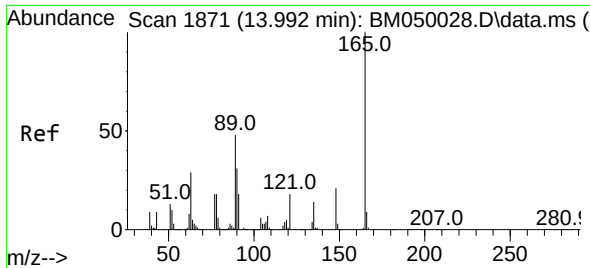
Tgt Ion:152 Resp: 2273946
Ion Ratio Lower Upper
152 100
151 19.5 15.8 23.8
153 13.3 10.6 15.8



#50
Dimethylphthalate
Concen: 37.481 ng
RT: 13.851 min Scan# 1847
Delta R.T. -0.017 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

Tgt Ion:163 Resp: 1777120
Ion Ratio Lower Upper
163 100
194 4.4 3.4 5.2
164 10.1 8.2 12.2

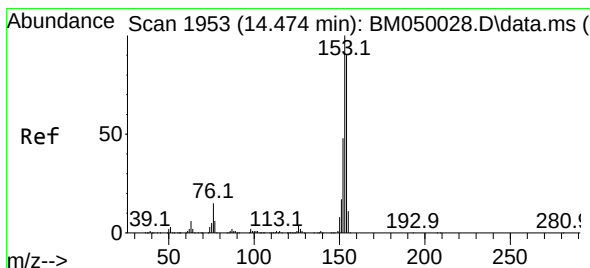
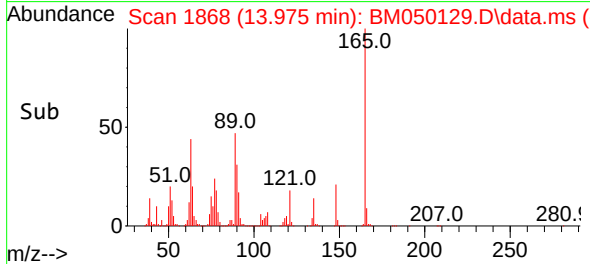
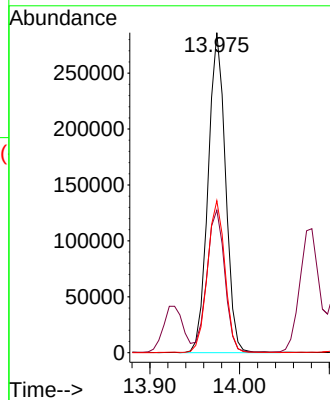
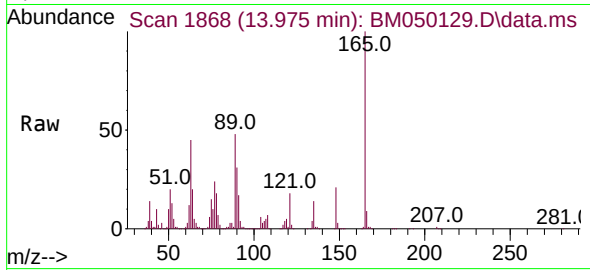




#51
2,6-Dinitrotoluene
Concen: 39.202 ng
RT: 13.975 min Scan# 1868
Delta R.T. -0.017 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

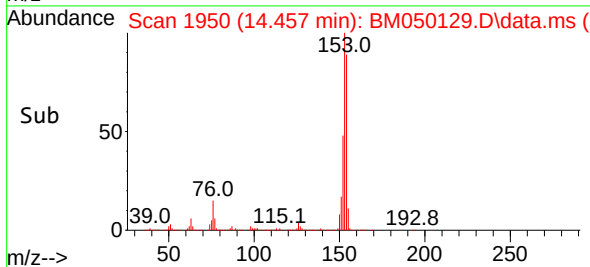
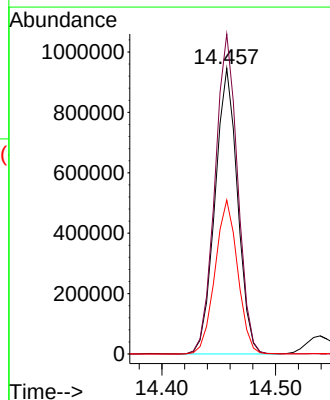
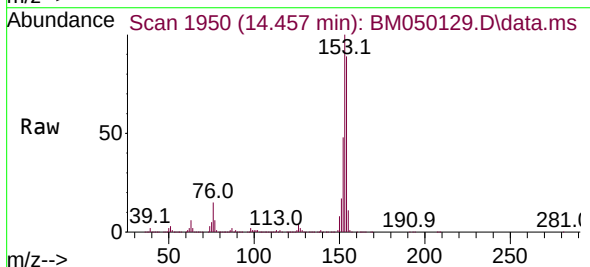
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

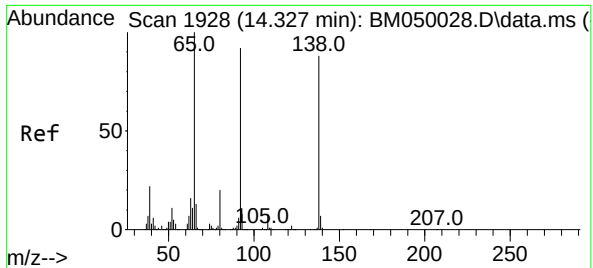
Tgt Ion:165 Resp: 384842
Ion Ratio Lower Upper
165 100
63 44.6 35.1 52.7
89 47.5 38.4 57.6



#52
Acenaphthene
Concen: 37.437 ng
RT: 14.457 min Scan# 1950
Delta R.T. -0.017 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

Tgt Ion:154 Resp: 1305026
Ion Ratio Lower Upper
154 100
153 112.1 89.0 133.4
152 53.9 43.0 64.6

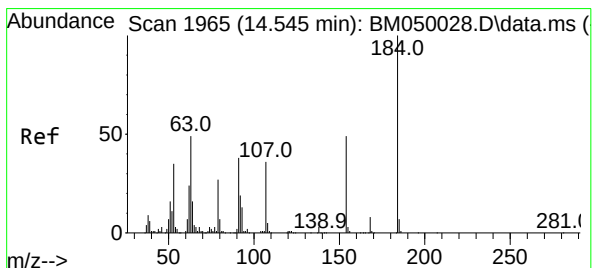
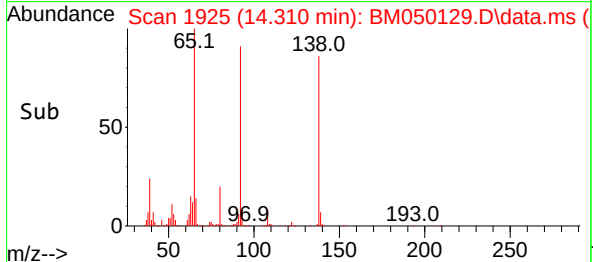
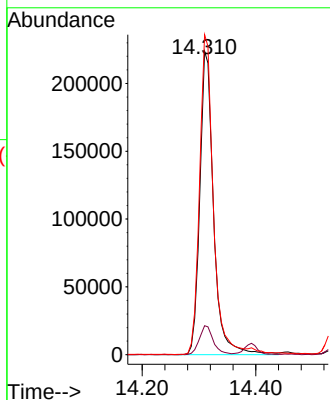
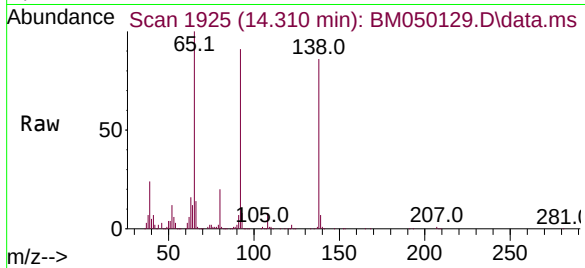




#53
3-Nitroaniline
Concen: 40.213 ng
RT: 14.310 min Scan# 1925
Delta R.T. -0.017 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

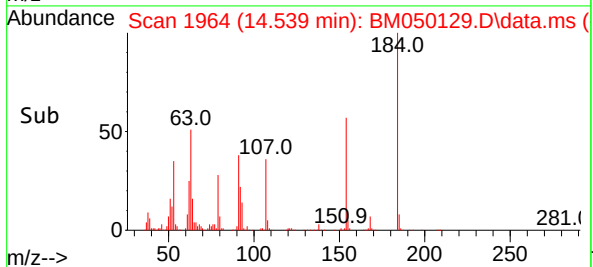
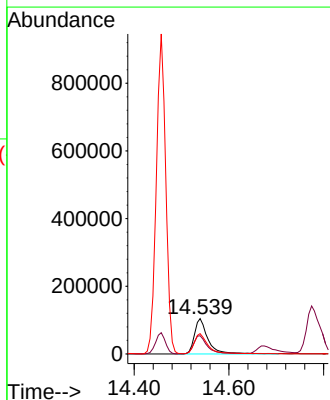
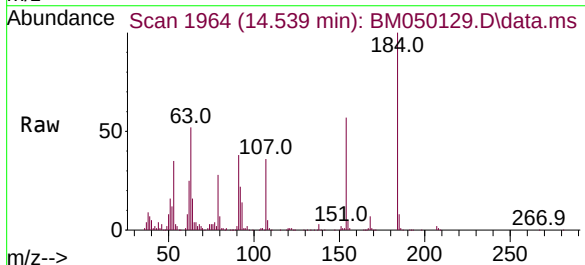
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

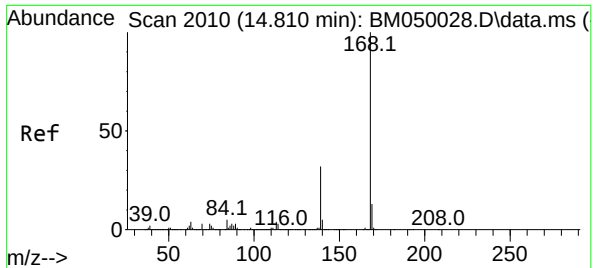
Tgt Ion:138 Resp: 376890
Ion Ratio Lower Upper
138 100
108 9.6 7.4 11.2
92 105.5 84.0 126.0



#54
2,4-Dinitrophenol
Concen: 36.439 ng
RT: 14.539 min Scan# 1964
Delta R.T. -0.006 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

Tgt Ion:184 Resp: 207759
Ion Ratio Lower Upper
184 100
63 51.7 39.8 59.6
154 57.4 46.1 69.1

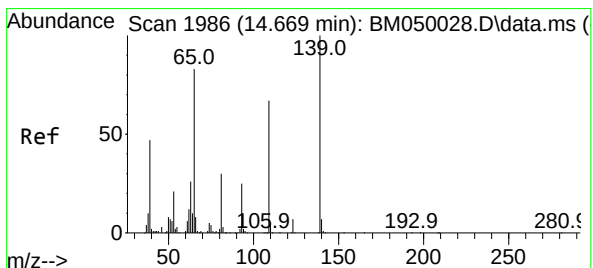
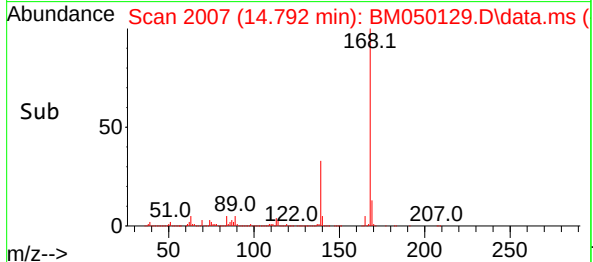
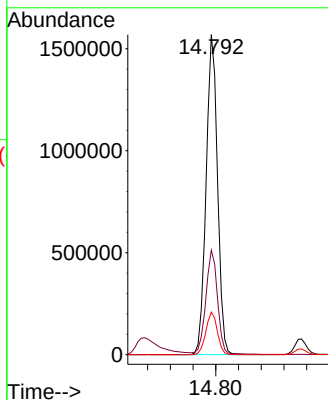
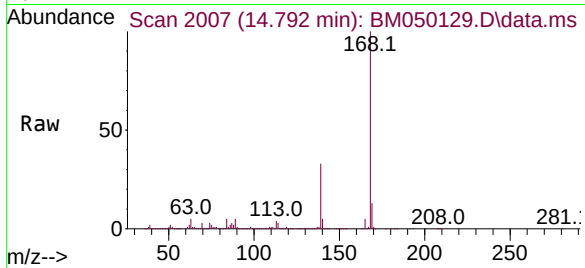




#55
Dibenzenofuran
Concen: 37.462 ng
RT: 14.792 min Scan# 2010
Delta R.T. -0.017 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

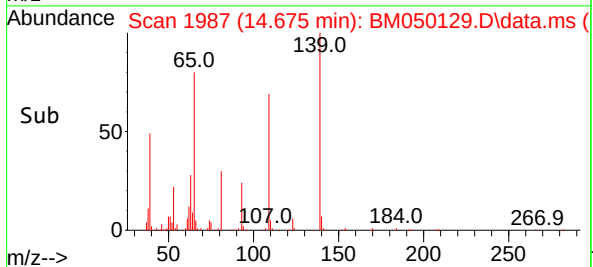
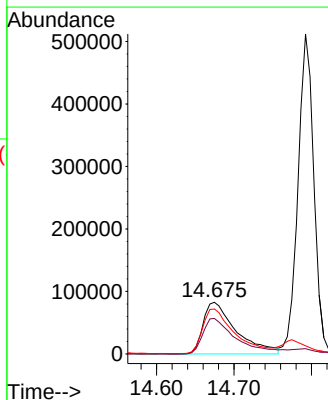
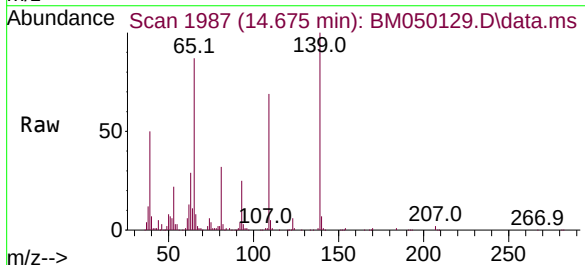
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

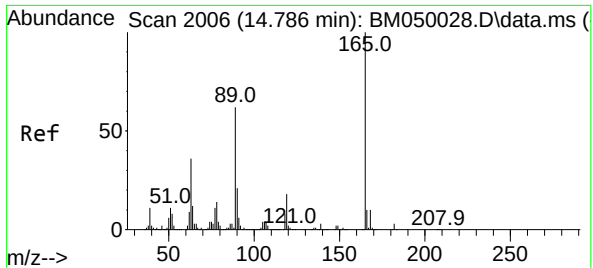
Tgt Ion:168 Resp: 2172737
Ion Ratio Lower Upper
168 100
139 32.6 26.1 39.1
169 13.3 10.8 16.2



#56
4-Nitrophenol
Concen: 34.800 ng
RT: 14.675 min Scan# 1987
Delta R.T. 0.006 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

Tgt Ion:139 Resp: 244642
Ion Ratio Lower Upper
139 100
109 68.6 47.0 87.0
65 86.8 64.3 104.3

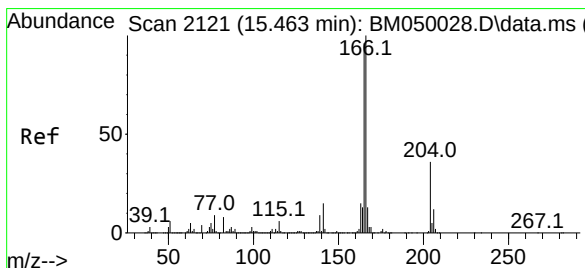
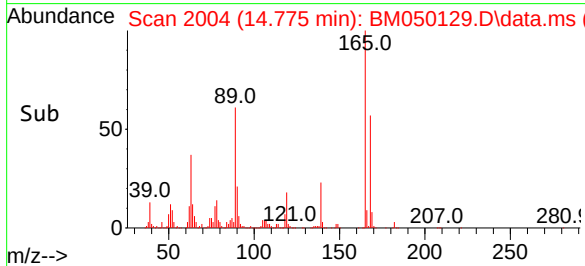
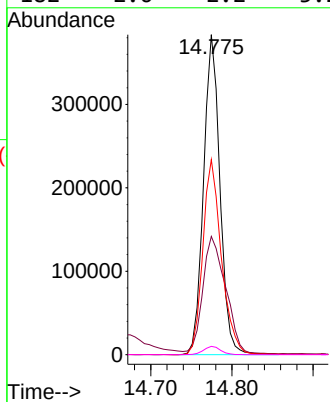
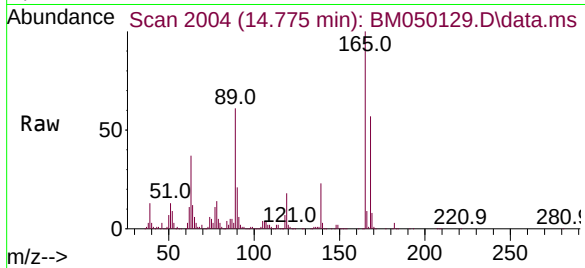




#57
2,4-Dinitrotoluene
Concen: 39.653 ng
RT: 14.775 min Scan# 2004
Delta R.T. -0.012 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

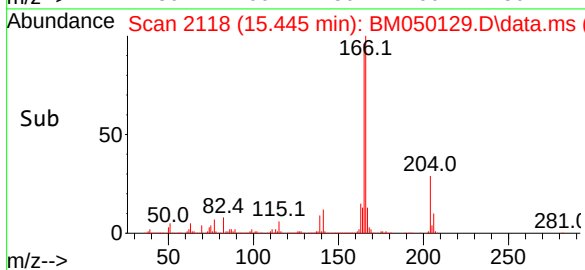
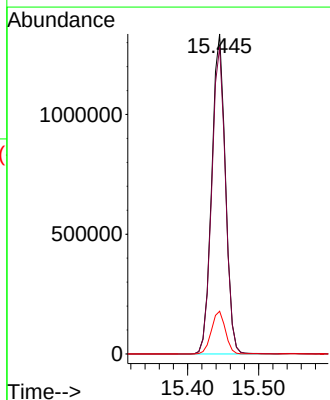
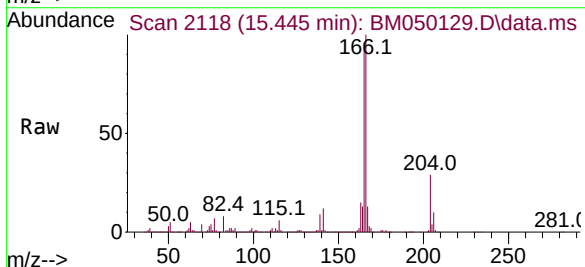
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

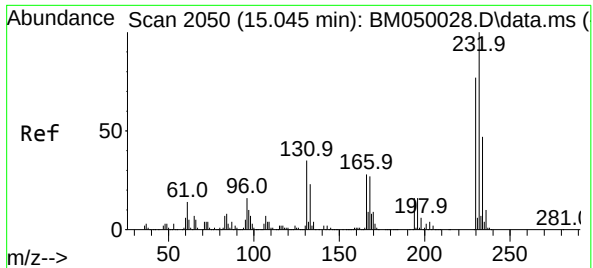
Tgt Ion:165 Resp: 537890
Ion Ratio Lower Upper
165 100
63 36.9 29.0 43.6
89 60.9 49.4 74.2
182 2.6 2.2 3.2



#58
Fluorene
Concen: 37.662 ng
RT: 15.445 min Scan# 2118
Delta R.T. -0.017 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

Tgt Ion:166 Resp: 1787962
Ion Ratio Lower Upper
166 100
165 95.9 76.6 115.0
167 13.4 10.6 16.0

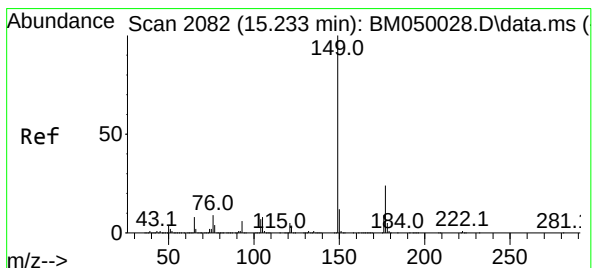
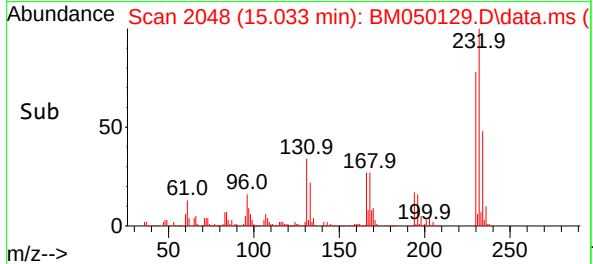
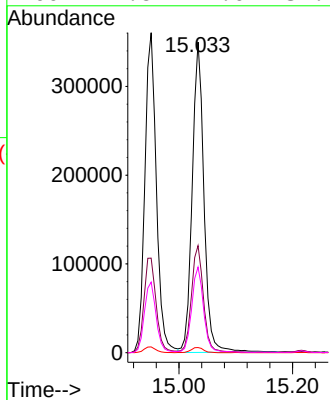
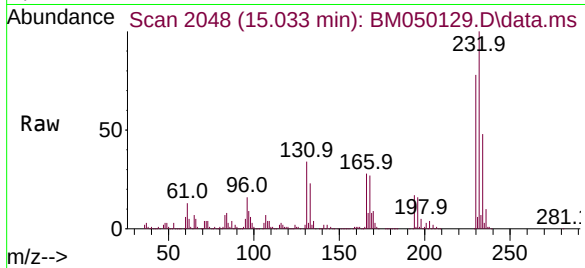




#59
2,3,4,6-Tetrachlorophenol
Concen: 37.896 ng
RT: 15.033 min Scan# 2048
Delta R.T. -0.012 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

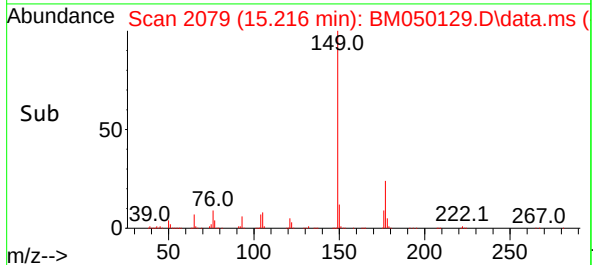
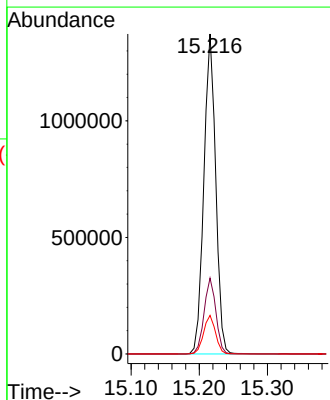
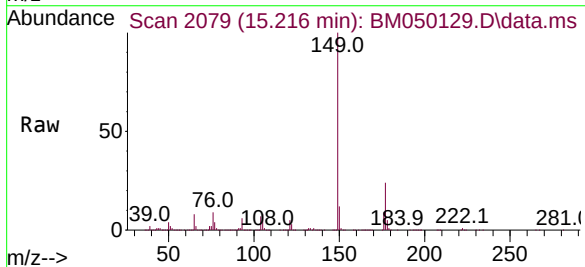
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

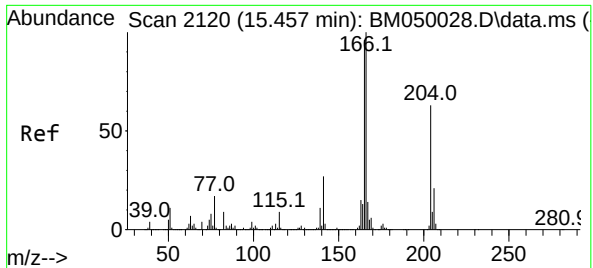
Tgt Ion:232 Resp: 503890
Ion Ratio Lower Upper
232 100
131 35.6 28.2 42.4
130 1.8 1.5 2.3
166 27.8 22.6 34.0



#60
Diethylphthalate
Concen: 37.127 ng
RT: 15.216 min Scan# 2079
Delta R.T. -0.017 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

Tgt Ion:149 Resp: 1658728
Ion Ratio Lower Upper
149 100
177 23.7 19.1 28.7
150 12.1 9.6 14.4

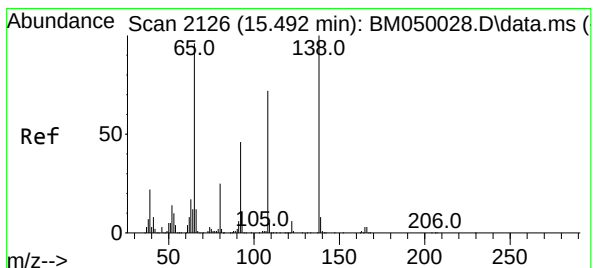
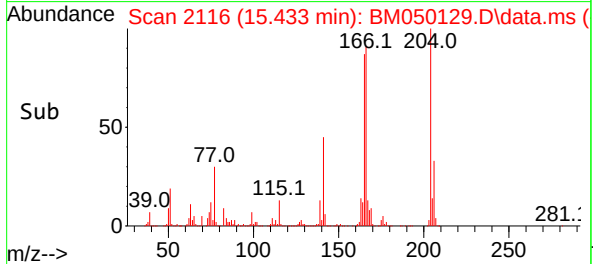
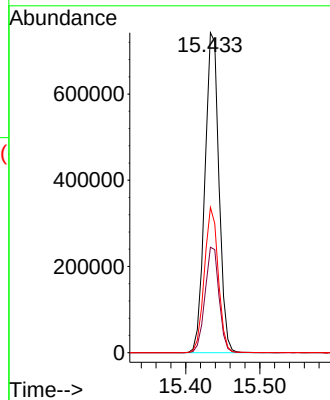
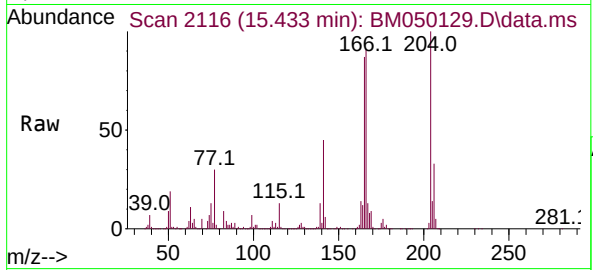




#61
4-Chlorophenyl-phenylether
Concen: 37.553 ng
RT: 15.433 min Scan# 2116
Delta R.T. -0.023 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

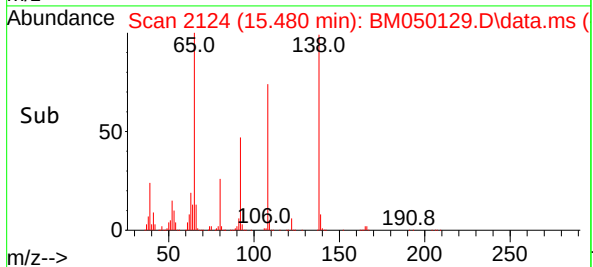
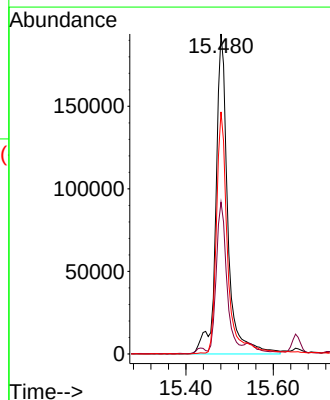
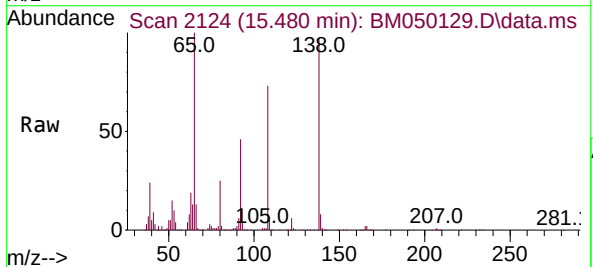
Instrument :
BNA_M
ClientSampleId :
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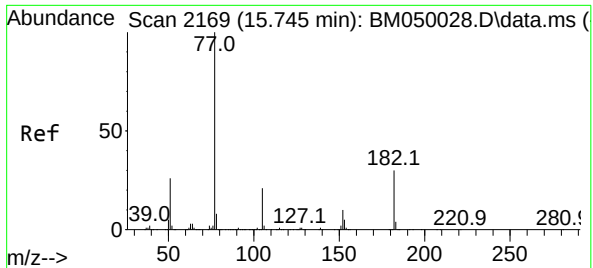
Tgt Ion:204 Resp: 979216
Ion Ratio Lower Upper
204 100
206 32.9 26.3 39.5
141 45.4 34.0 51.0



#62
4-Nitroaniline
Concen: 40.776 ng
RT: 15.480 min Scan# 2124
Delta R.T. -0.012 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

Tgt Ion:138 Resp: 368722
Ion Ratio Lower Upper
138 100
92 47.4 25.9 65.9
108 75.6 52.4 92.4

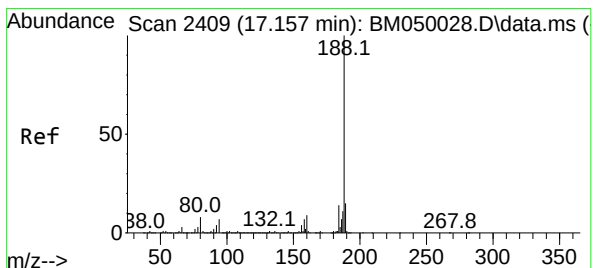
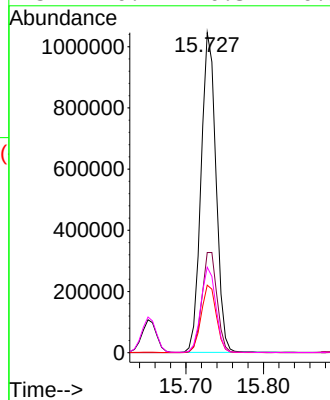
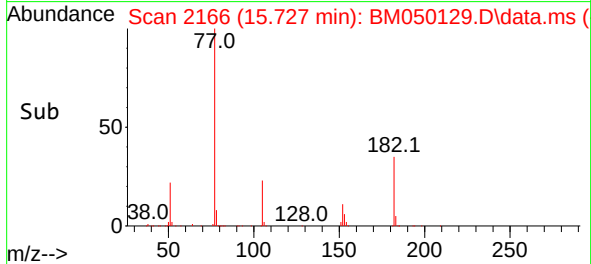
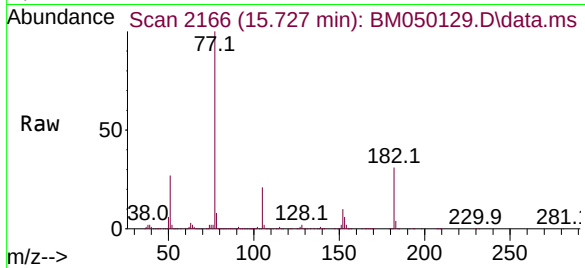




#63
Azobenzene
Concen: 37.357 ng
RT: 15.727 min Scan# 2166
Delta R.T. -0.017 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

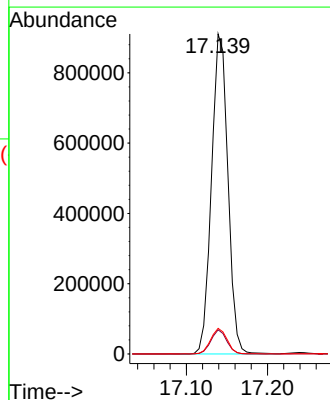
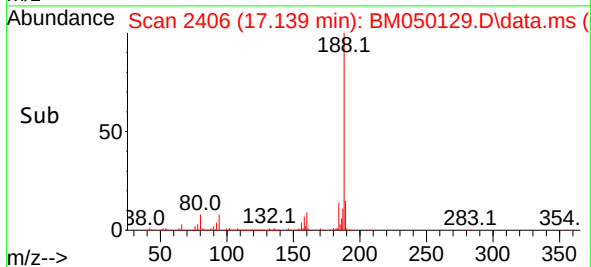
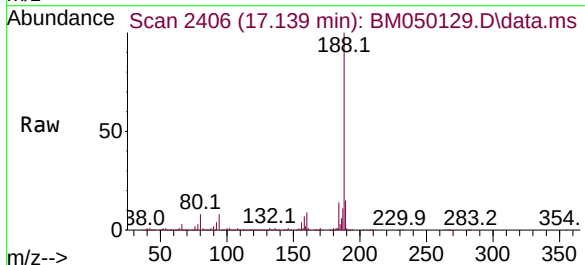
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

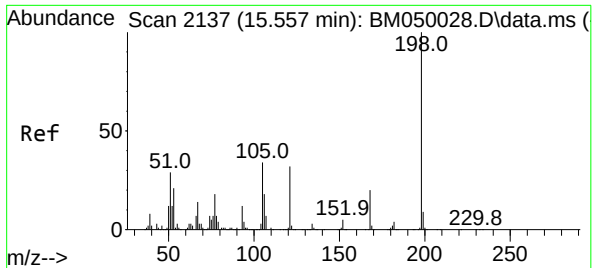
Tgt Ion: 77 Resp: 1398756
Ion Ratio Lower Upper
77 100
182 31.3 10.5 50.5
105 21.1 1.1 41.1
51 26.7 6.3 46.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.139 min Scan# 2406
Delta R.T. -0.018 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

Tgt Ion:188 Resp: 1276061
Ion Ratio Lower Upper
188 100
94 7.6 5.7 8.5
80 8.0 6.2 9.4

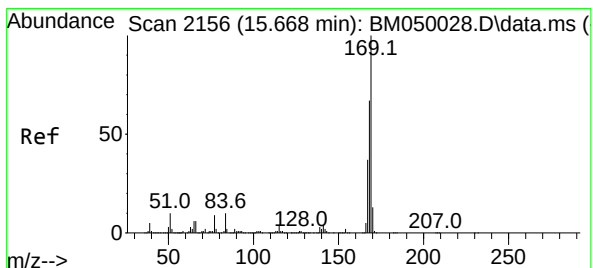
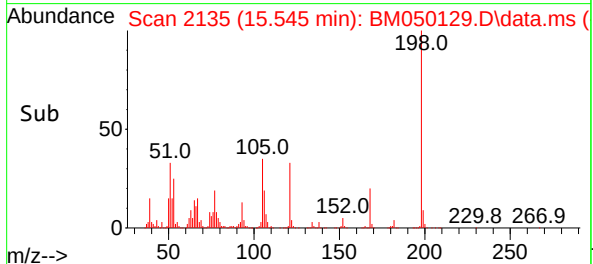
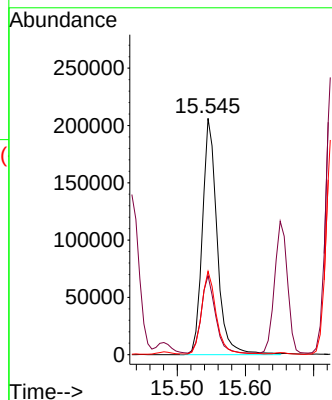
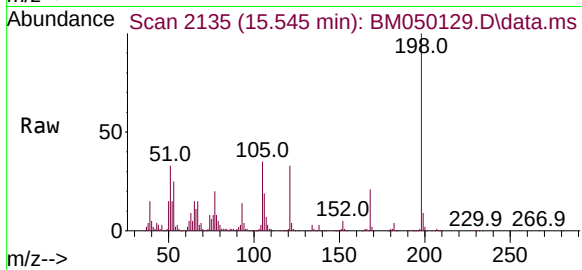




#65
4,6-Dinitro-2-methylphenol
Concen: 38.782 ng
RT: 15.545 min Scan# 2135
Delta R.T. -0.012 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

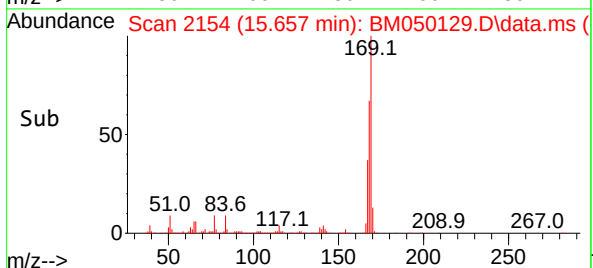
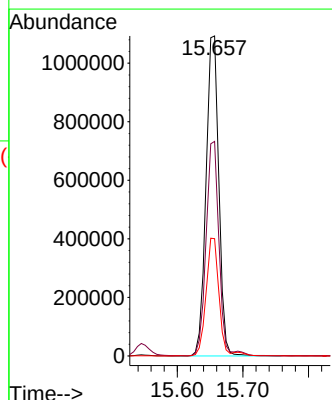
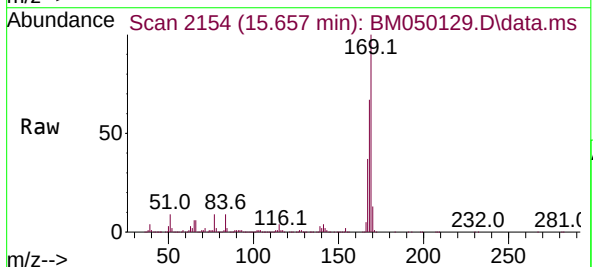
Instrument :
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ClientSampleId :
SSTDCCC040

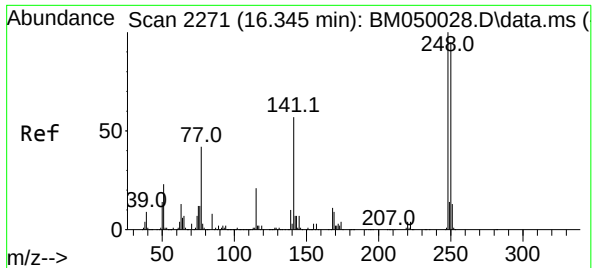
Tgt Ion:198 Resp: 309774
Ion Ratio Lower Upper
198 100
51 33.4 10.4 50.4
105 35.3 14.6 54.6



#66
n-Nitrosodiphenylamine
Concen: 37.972 ng
RT: 15.657 min Scan# 2154
Delta R.T. -0.012 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

Tgt Ion:169 Resp: 1487921
Ion Ratio Lower Upper
169 100
168 67.0 53.4 80.2
167 36.7 29.4 44.0

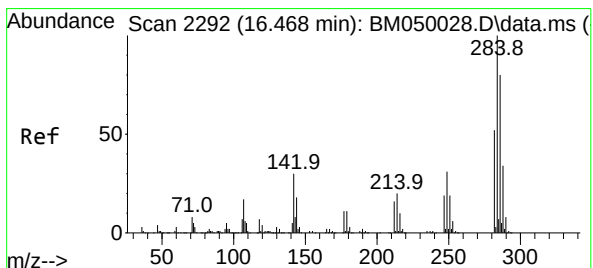
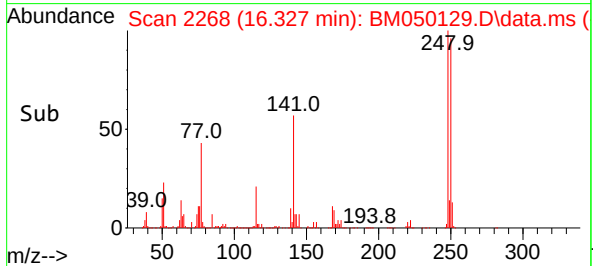
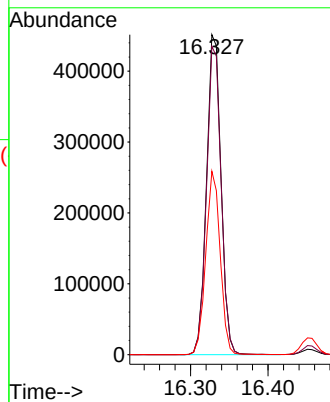
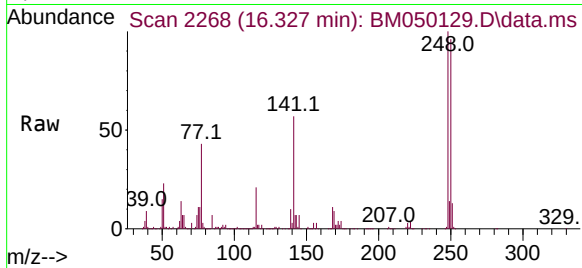




#67
4-Bromophenyl-phenylether
Concen: 38.030 ng
RT: 16.327 min Scan# 21
Delta R.T. -0.017 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

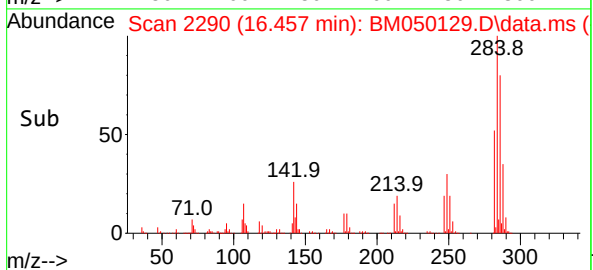
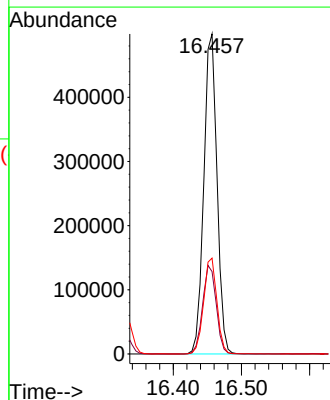
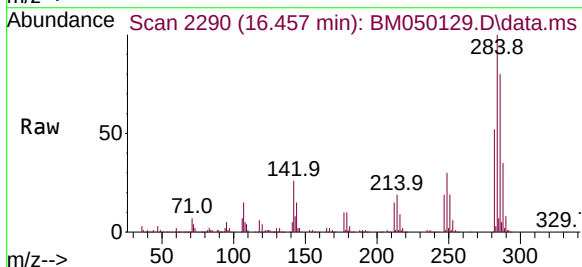
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

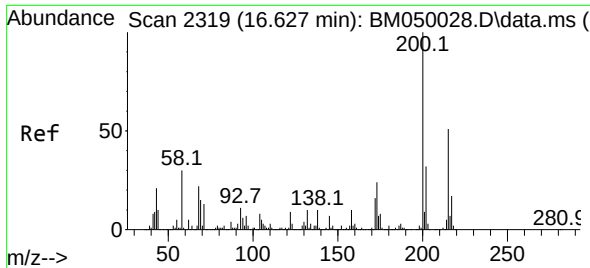
Tgt Ion:248 Resp: 586846
Ion Ratio Lower Upper
248 100
250 96.4 76.2 114.2
141 57.3 45.9 68.9



#68
Hexachlorobenzene
Concen: 37.749 ng
RT: 16.457 min Scan# 2290
Delta R.T. -0.012 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

Tgt Ion:284 Resp: 671453
Ion Ratio Lower Upper
284 100
142 25.7 23.9 35.9
249 29.9 24.5 36.7

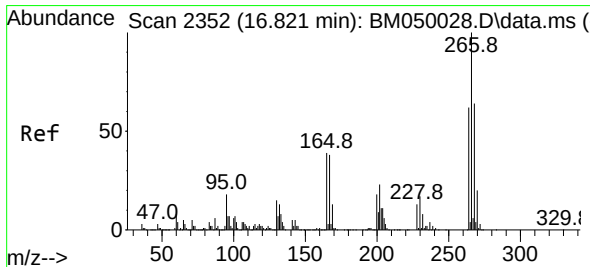
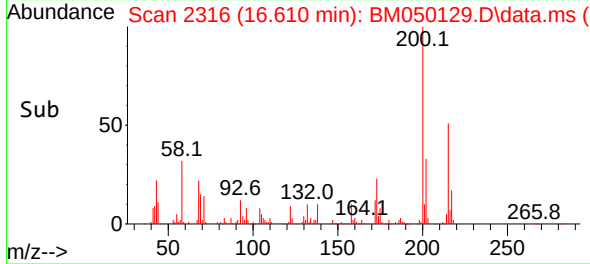
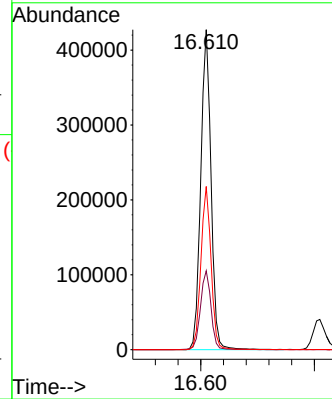
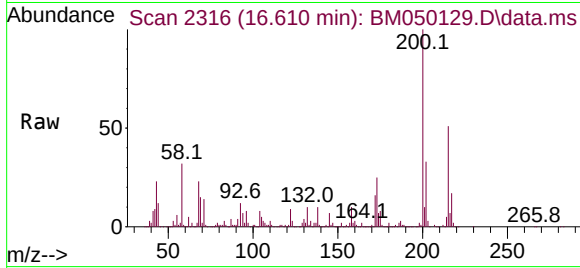




#69
Atrazine
Concen: 38.139 ng
RT: 16.610 min Scan# 21
Delta R.T. -0.017 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

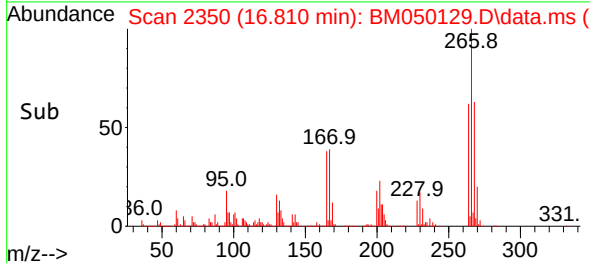
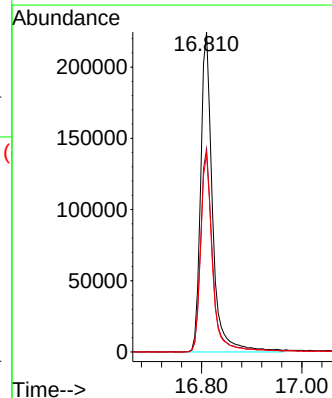
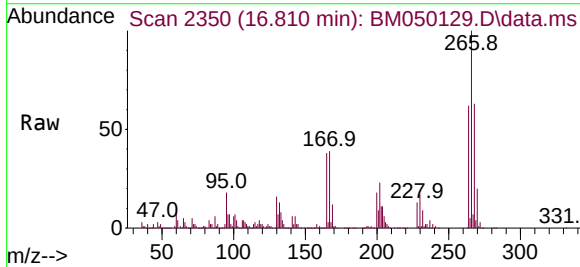
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

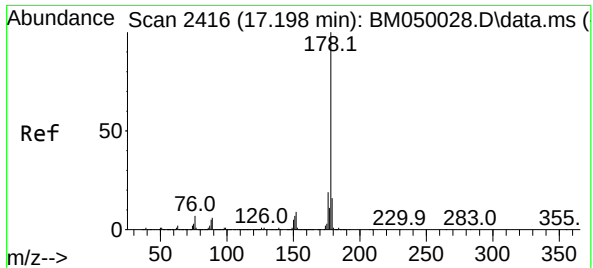
Tgt Ion	Ratio	Lower	Upper
200	100		
173	24.6	4.3	44.3
215	51.0	30.6	70.6



#70
Pentachlorophenol
Concen: 36.772 ng
RT: 16.810 min Scan# 2350
Delta R.T. -0.011 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.5	51.2	76.8
264	61.9	49.6	74.4

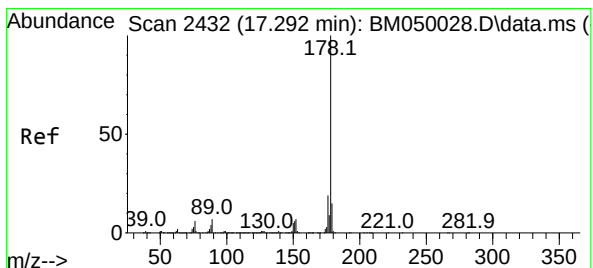
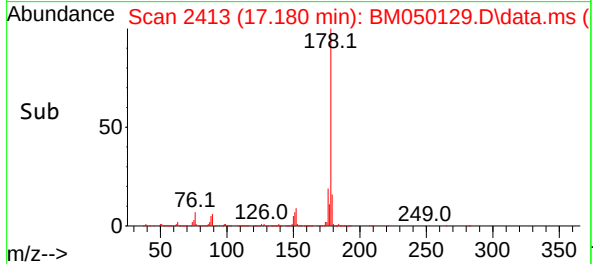
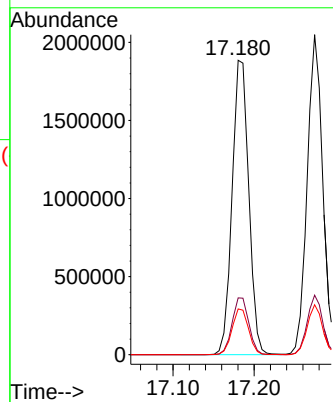
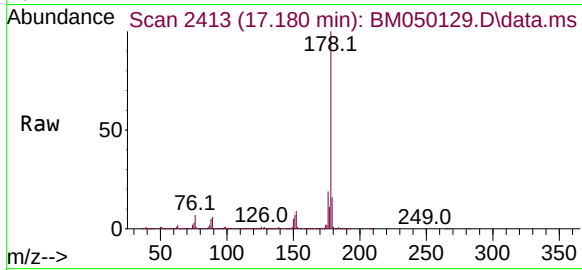




#71
Phenanthrene
Concen: 37.320 ng
RT: 17.180 min Scan# 2416
Delta R.T. -0.017 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

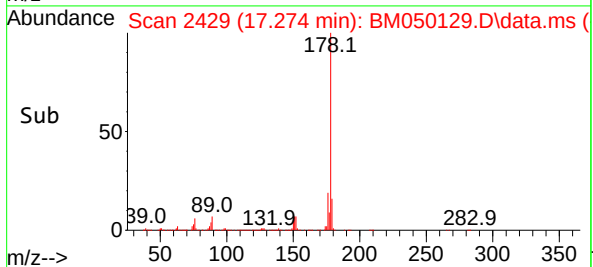
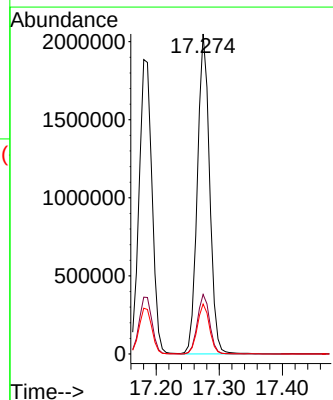
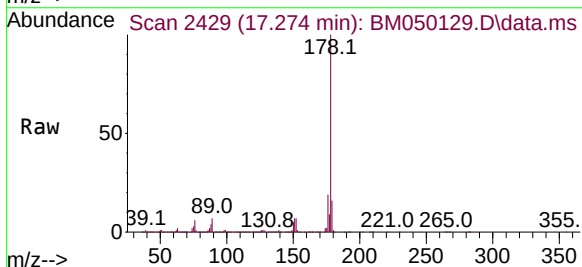
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

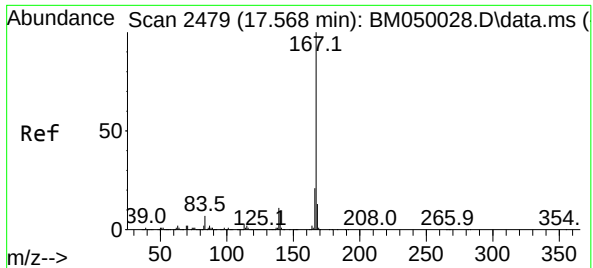
Tgt Ion:178 Resp: 2685945
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 15.6 12.4 18.6



#72
Anthracene
Concen: 37.713 ng
RT: 17.274 min Scan# 2429
Delta R.T. -0.017 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

Tgt Ion:178 Resp: 2746787
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.4
179 15.6 12.2 18.4

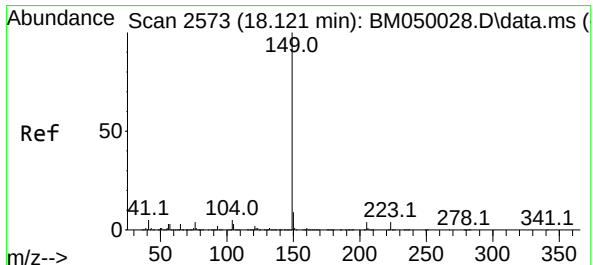
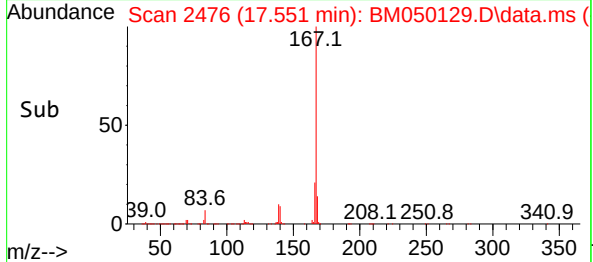
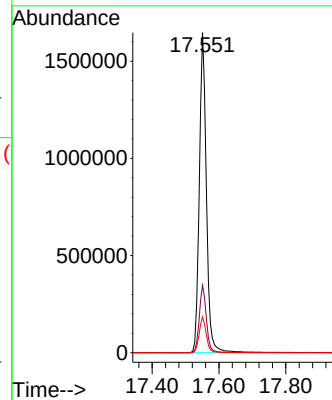
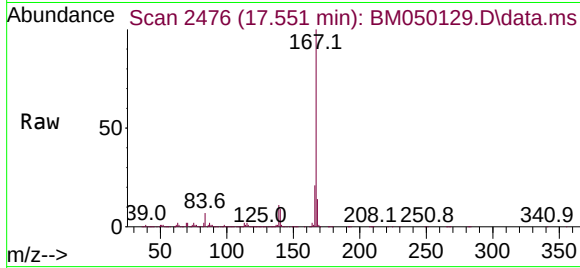




#73
Carbazole
Concen: 38.410 ng
RT: 17.551 min Scan# 24
Delta R.T. -0.017 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

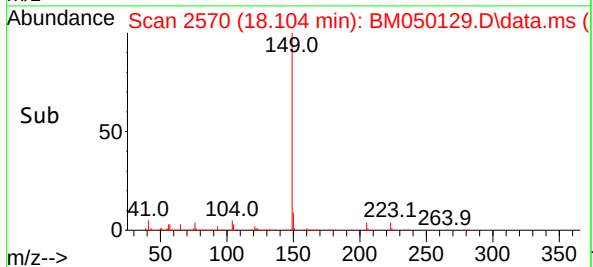
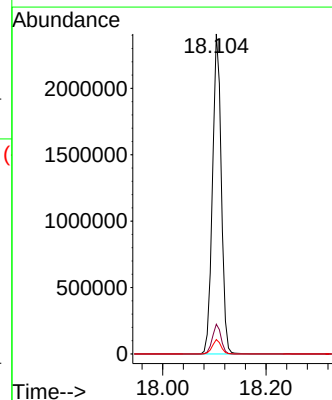
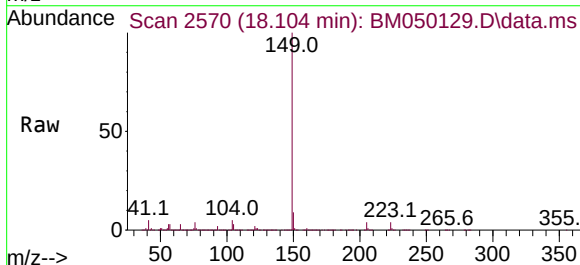
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

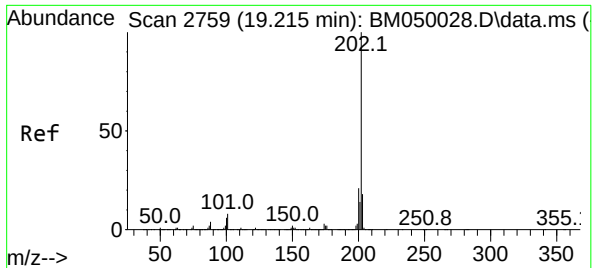
Tgt Ion:167 Resp: 2427561
Ion Ratio Lower Upper
167 100
166 21.1 17.2 25.8
139 11.2 9.0 13.6



#74
Di-n-butylphthalate
Concen: 37.714 ng
RT: 18.104 min Scan# 2570
Delta R.T. -0.017 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

Tgt Ion:149 Resp: 2838617
Ion Ratio Lower Upper
149 100
150 9.3 7.3 10.9
104 4.5 3.8 5.6

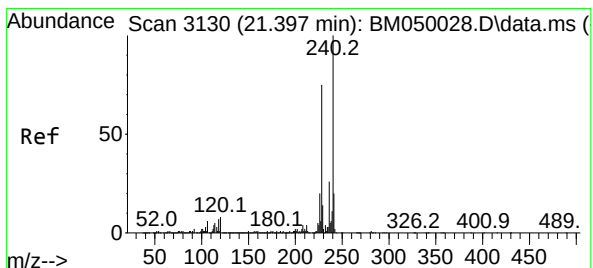
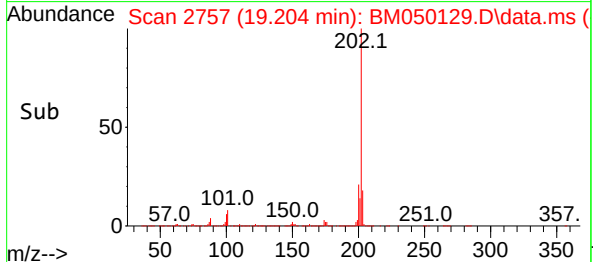
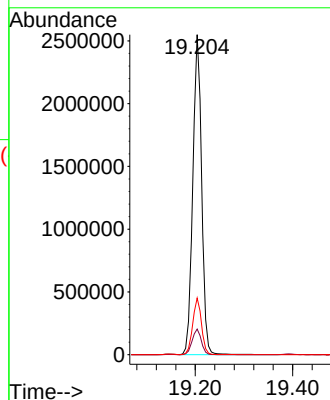
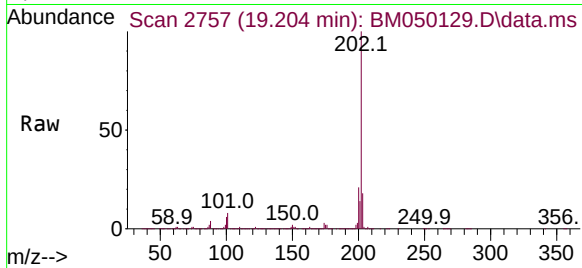




#75
Fluoranthene
Concen: 37.983 ng
RT: 19.204 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

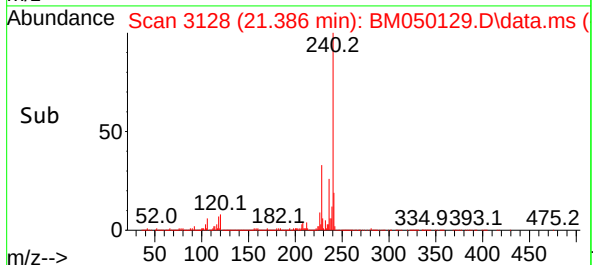
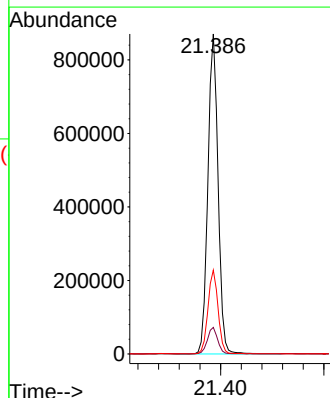
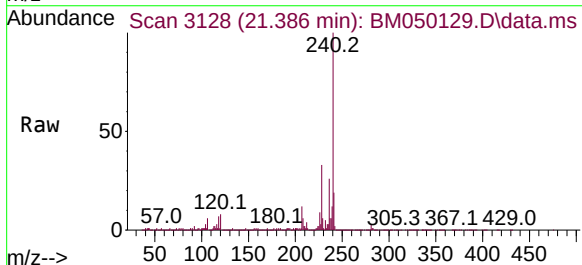
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

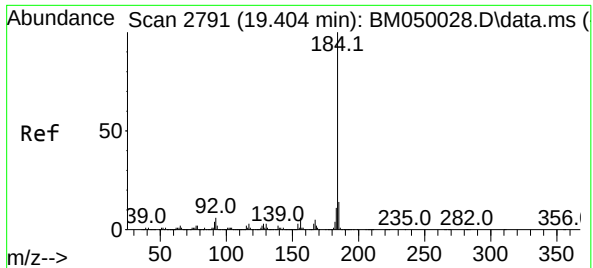
Tgt Ion:202 Resp: 3209490
Ion Ratio Lower Upper
202 100
101 8.0 0.0 28.0
203 17.7 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.386 min Scan# 3128
Delta R.T. -0.011 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

Tgt Ion:240 Resp: 1188727
Ion Ratio Lower Upper
240 100
120 8.3 6.5 9.7
236 26.2 20.9 31.3

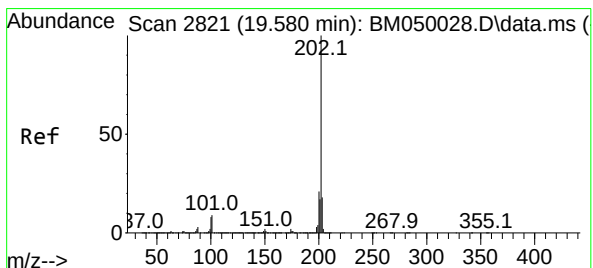
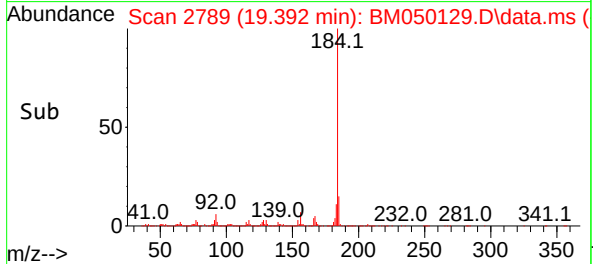
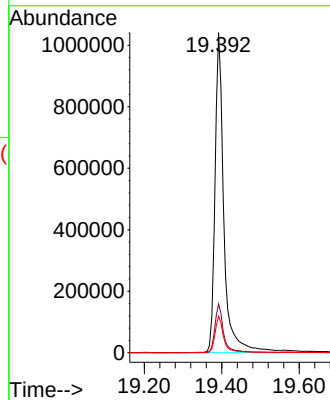
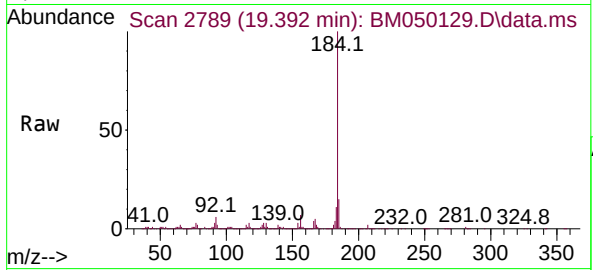




#77
Benzidine
Concen: 39.198 ng
RT: 19.392 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

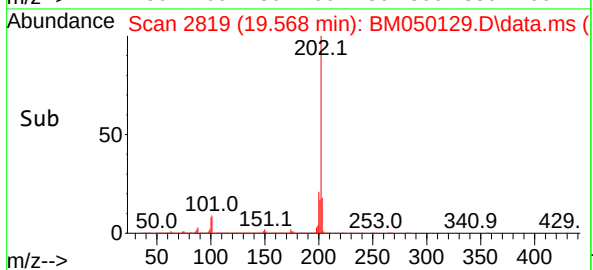
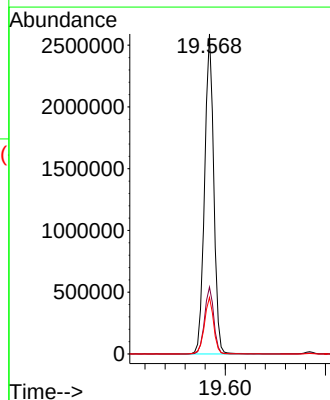
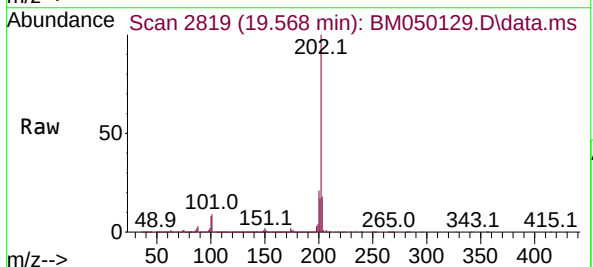
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

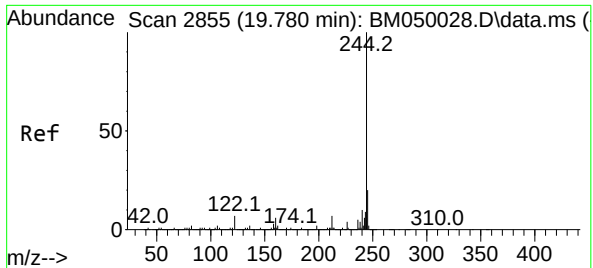
Tgt Ion:184 Resp: 1655106
Ion Ratio Lower Upper
184 100
185 15.2 11.5 17.3
183 11.4 8.9 13.3



#78
Pyrene
Concen: 39.346 ng
RT: 19.568 min Scan# 2819
Delta R.T. -0.012 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

Tgt Ion:202 Resp: 3284421
Ion Ratio Lower Upper
202 100
200 20.9 16.7 25.1
203 17.7 14.1 21.1

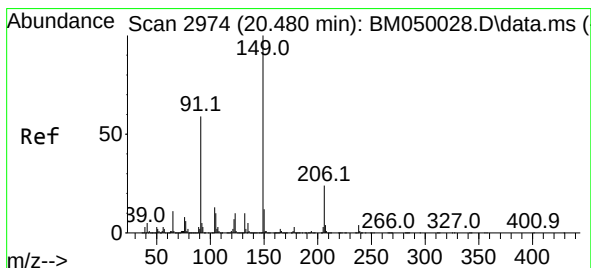
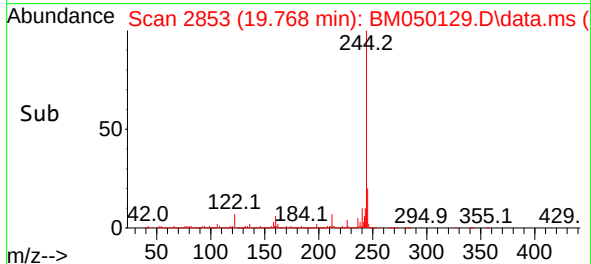
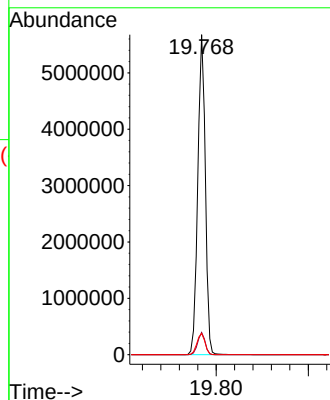
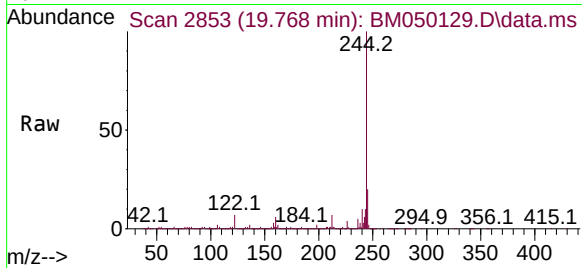




#79
Terphenyl-d14
Concen: 79.988 ng
RT: 19.768 min Scan# 2853
Delta R.T. -0.012 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

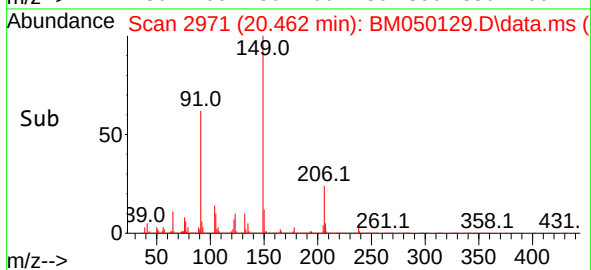
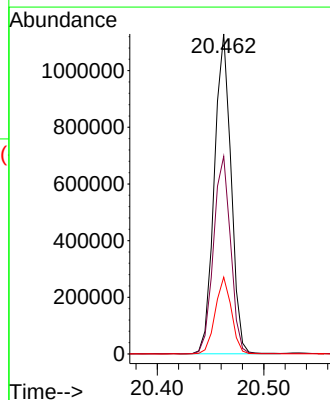
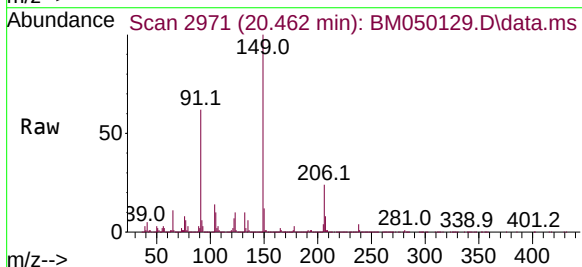
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

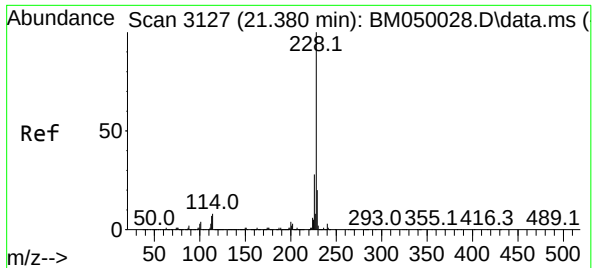
Tgt Ion:244 Resp: 6425682
Ion Ratio Lower Upper
244 100
212 7.0 5.6 8.4
122 6.7 5.6 8.4



#80
Butylbenzylphthalate
Concen: 39.331 ng
RT: 20.462 min Scan# 2971
Delta R.T. -0.017 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

Tgt Ion:149 Resp: 1229679
Ion Ratio Lower Upper
149 100
91 61.8 47.4 71.2
206 24.0 19.4 29.0

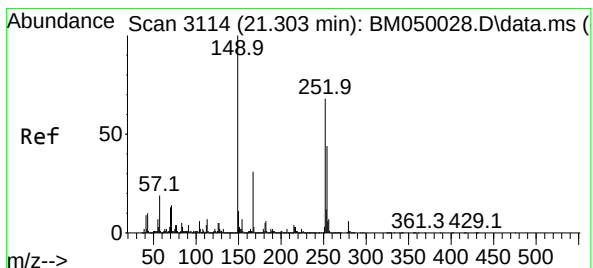
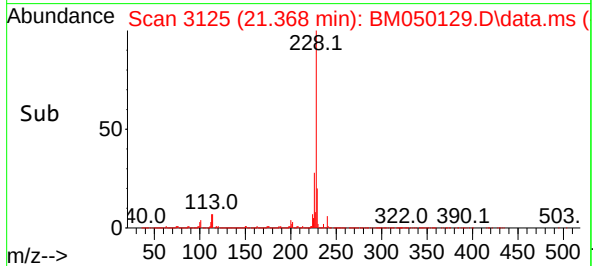
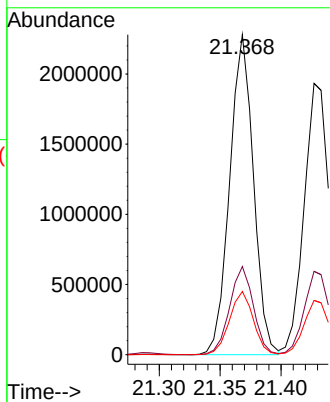
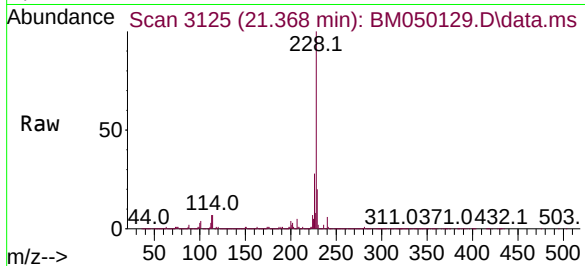




#81
Benzo(a)anthracene
Concen: 37.728 ng
RT: 21.368 min Scan# 3112
Delta R.T. -0.012 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

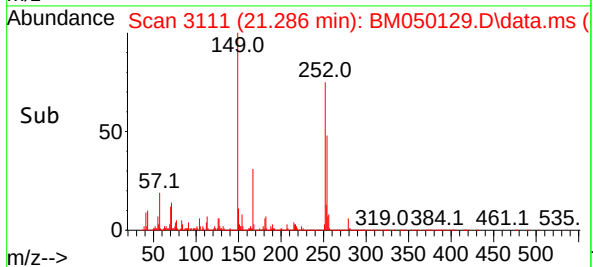
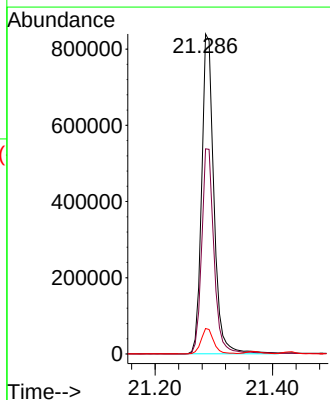
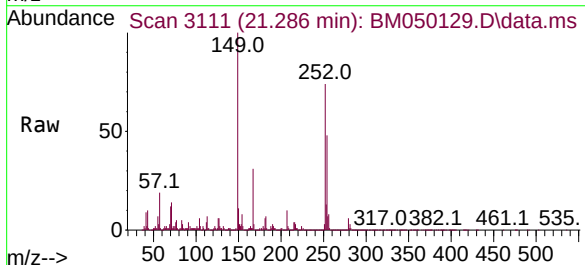
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

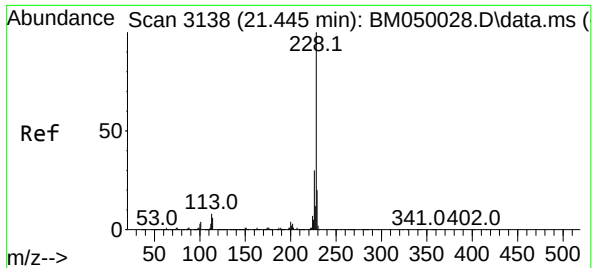
Tgt Ion:228 Resp: 3088369
Ion Ratio Lower Upper
228 100
226 27.6 22.1 33.1
229 19.8 15.7 23.5



#82
3,3'-Dichlorobenzidine
Concen: 38.795 ng
RT: 21.286 min Scan# 3111
Delta R.T. -0.017 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

Tgt Ion:252 Resp: 1215688
Ion Ratio Lower Upper
252 100
254 64.1 51.8 77.6
126 7.9 6.0 9.0





#83

Chrysene

Concen: 37.130 ng

RT: 21.427 min Scan# 31

Delta R.T. -0.017 min

Lab File: BM050129.D

Acq: 07 May 2025 09:56

Instrument :

BNA_M

ClientSampleId :

SSTDCCC040

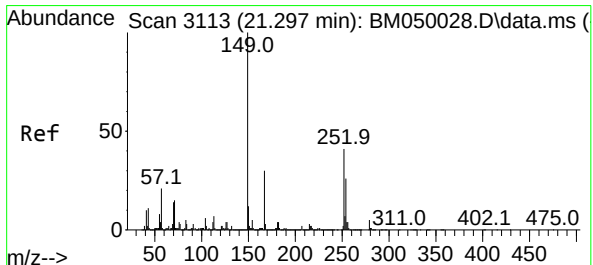
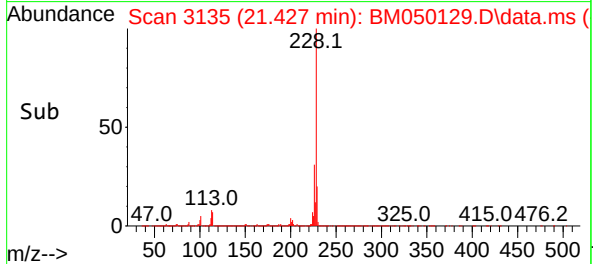
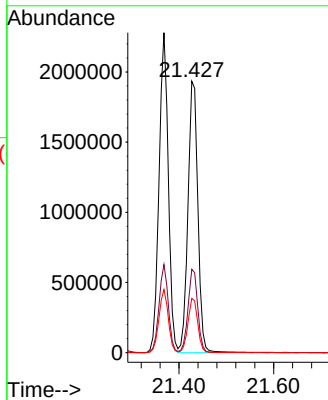
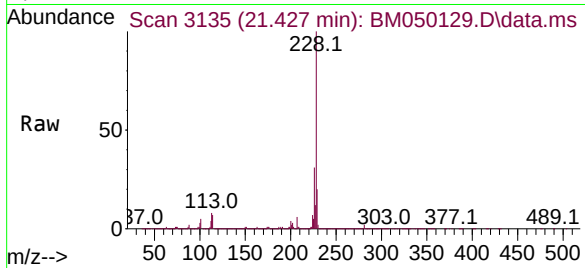
Tgt Ion:228 Resp: 2813027

Ion Ratio Lower Upper

228 100

226 30.7 24.2 36.2

229 20.0 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 37.692 ng

RT: 21.280 min Scan# 3110

Delta R.T. -0.017 min

Lab File: BM050129.D

Acq: 07 May 2025 09:56

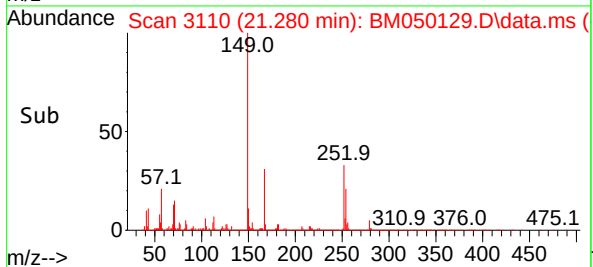
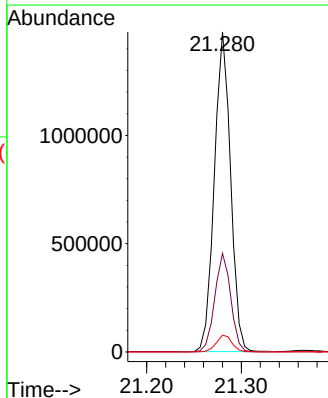
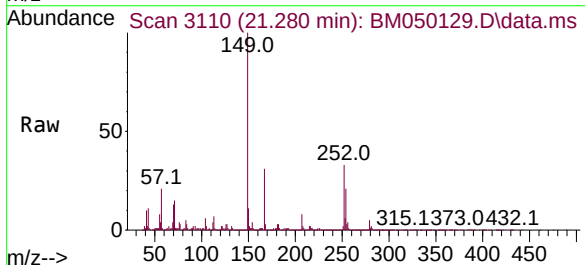
Tgt Ion:149 Resp: 1760201

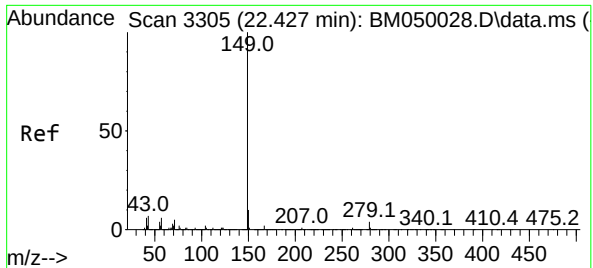
Ion Ratio Lower Upper

149 100

167 30.8 24.1 36.1

279 5.2 3.9 5.9

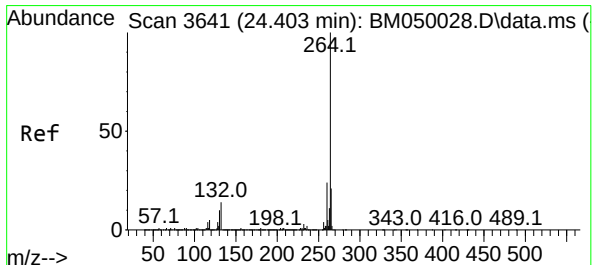
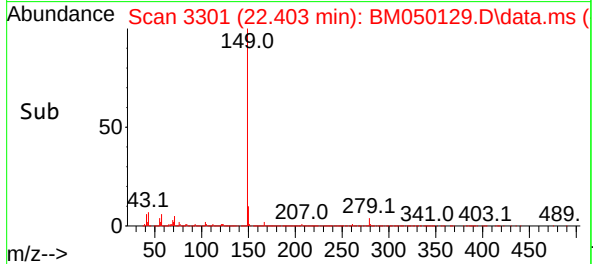
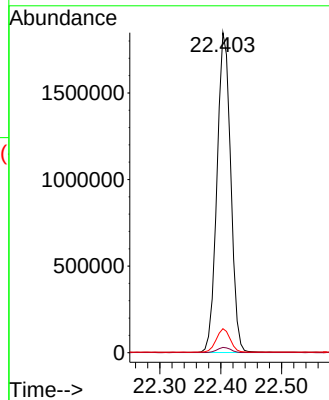
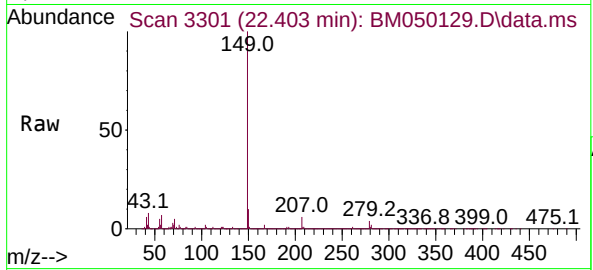




#85
Di-n-octyl phthalate
Concen: 37.435 ng
RT: 22.403 min Scan# 31
Delta R.T. -0.023 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

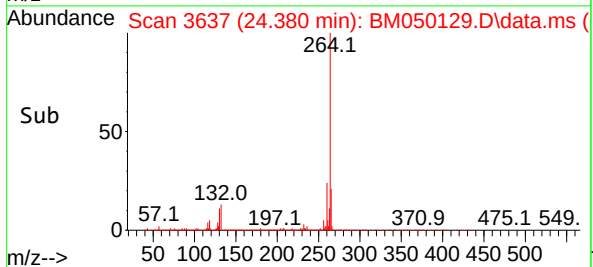
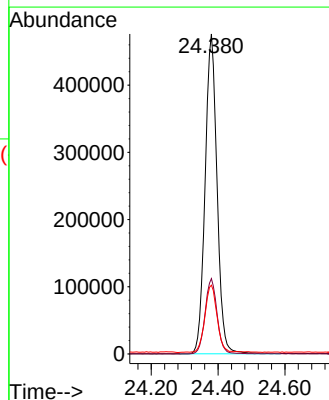
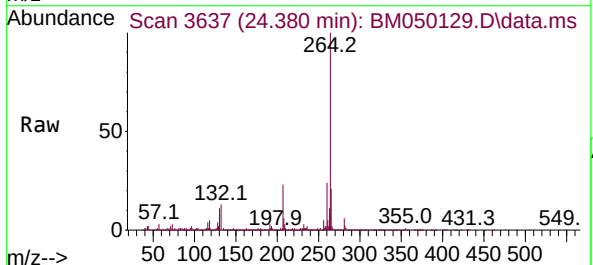
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

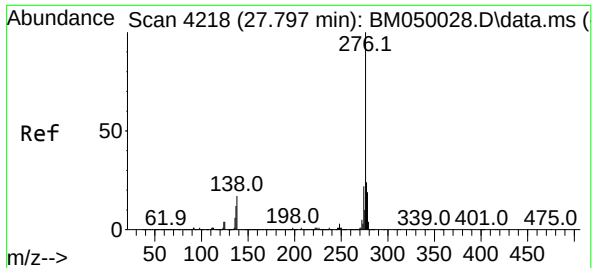
Tgt Ion:149 Resp: 2883032
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 7.4 5.8 8.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.380 min Scan# 3637
Delta R.T. -0.023 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

Tgt Ion:264 Resp: 1179190
Ion Ratio Lower Upper
264 100
260 23.6 18.8 28.2
265 21.5 17.0 25.4

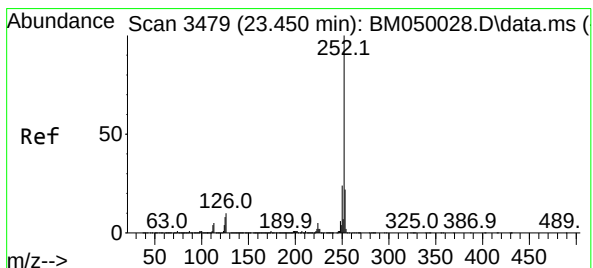
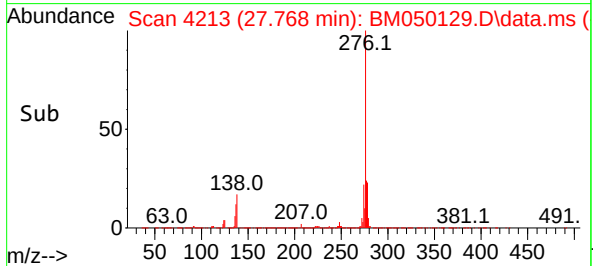
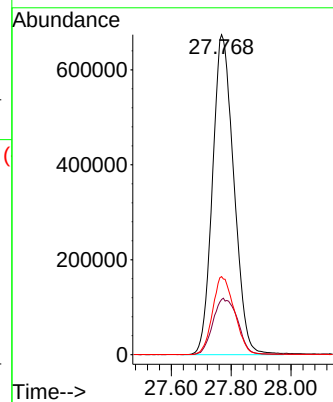
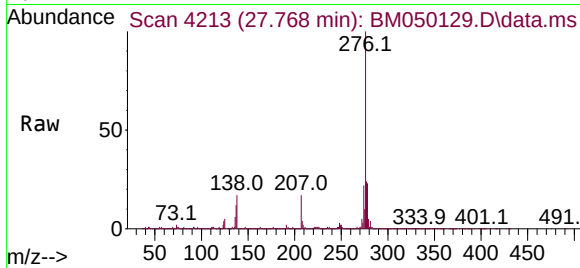




#87
Indeno(1,2,3-cd)pyrene
Concen: 37.928 ng
RT: 27.768 min Scan# 41
Delta R.T. -0.029 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

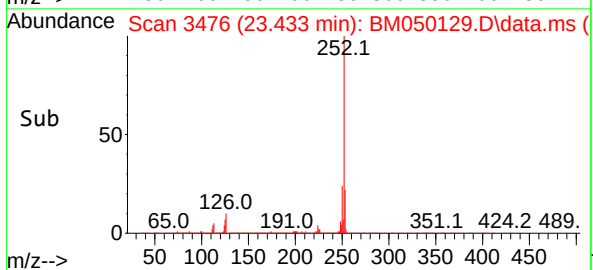
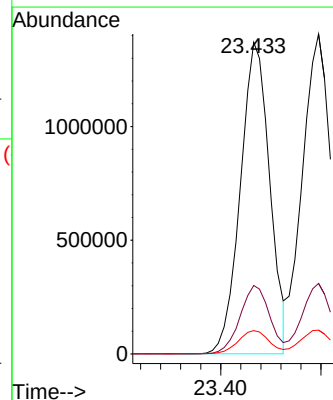
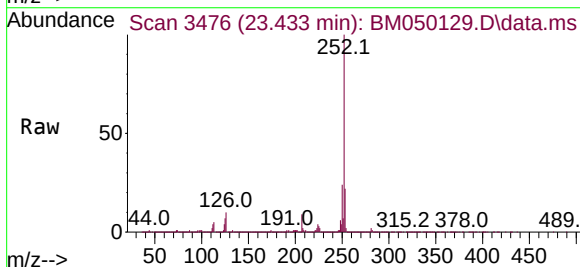
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

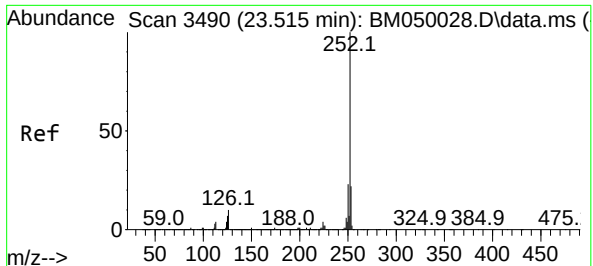
Tgt Ion:276 Resp: 3332526
Ion Ratio Lower Upper
276 100
138 20.4 16.4 24.6
277 25.2 19.8 29.8



#88
Benzo(b)fluoranthene
Concen: 36.304 ng
RT: 23.433 min Scan# 3476
Delta R.T. -0.017 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

Tgt Ion:252 Resp: 2784029
Ion Ratio Lower Upper
252 100
253 22.0 17.7 26.5
125 7.5 6.1 9.1

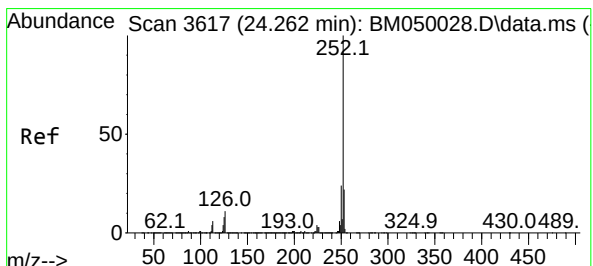
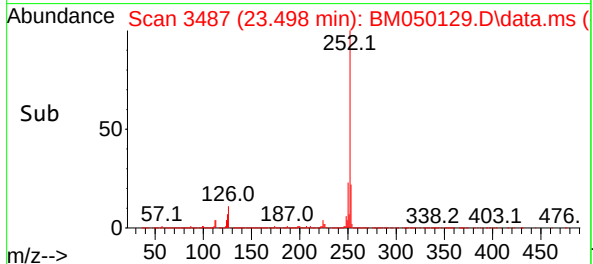
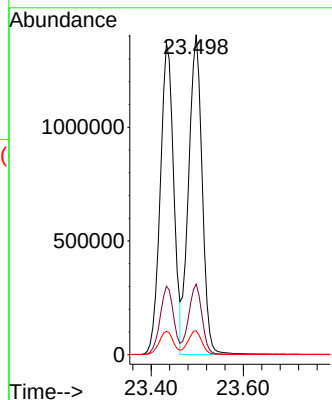
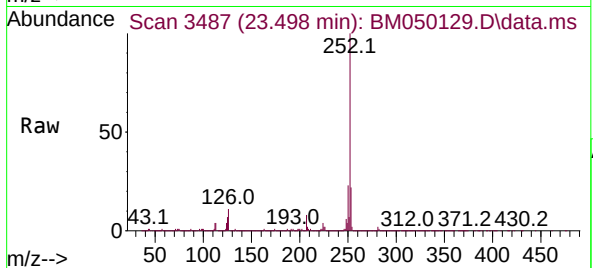




#89
Benzo(k)fluoranthene
Concen: 36.733 ng
RT: 23.498 min Scan# 34
Delta R.T. -0.017 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

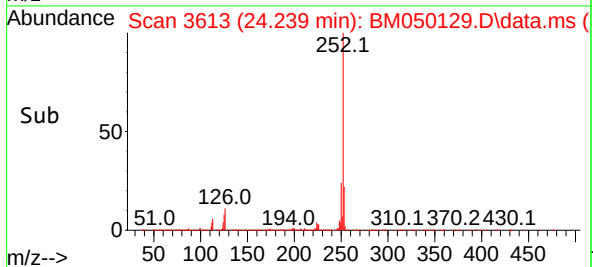
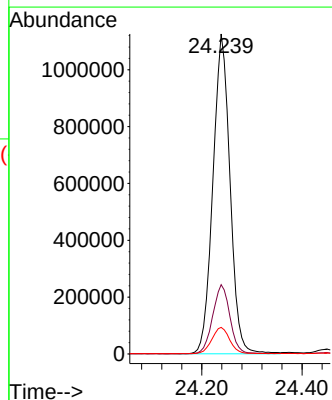
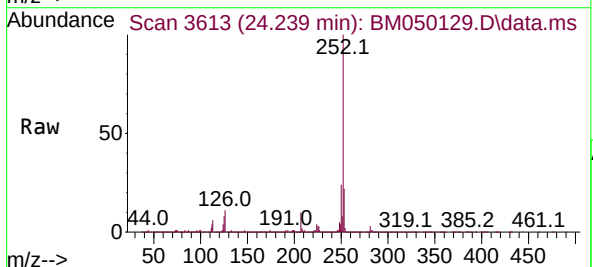
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

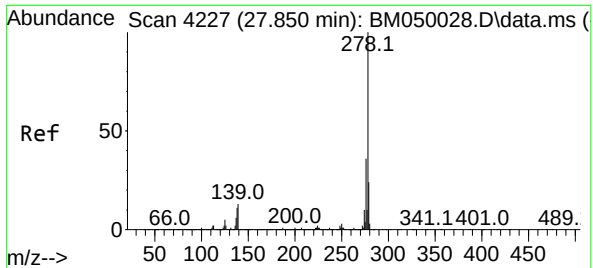
Tgt Ion:252 Resp: 2849425
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.2
125 7.4 5.8 8.8



#90
Benzo(a)pyrene
Concen: 37.121 ng
RT: 24.239 min Scan# 3613
Delta R.T. -0.023 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

Tgt Ion:252 Resp: 2666219
Ion Ratio Lower Upper
252 100
253 21.7 17.4 26.0
125 8.3 6.6 9.8

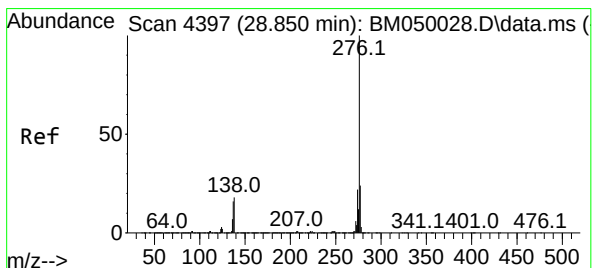
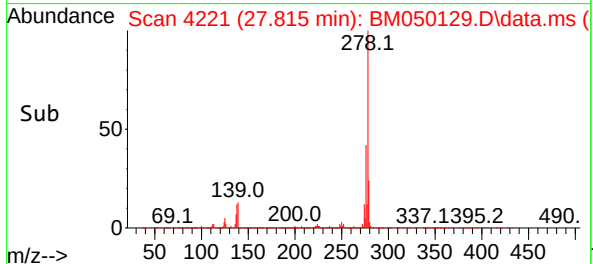
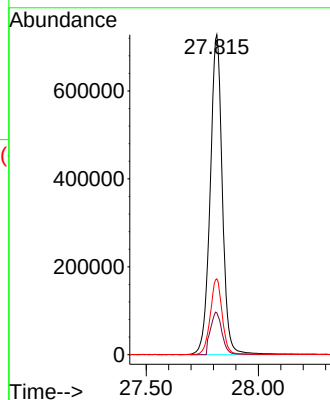
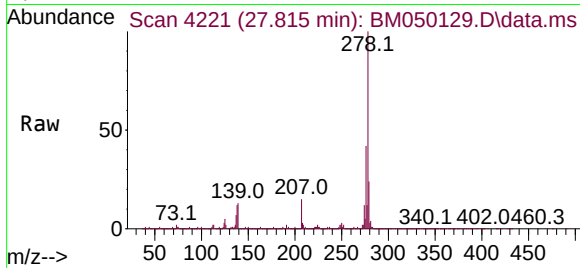




#91
Dibenzo(a,h)anthracene
Concen: 38.192 ng
RT: 27.815 min Scan# 41
Delta R.T. -0.035 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

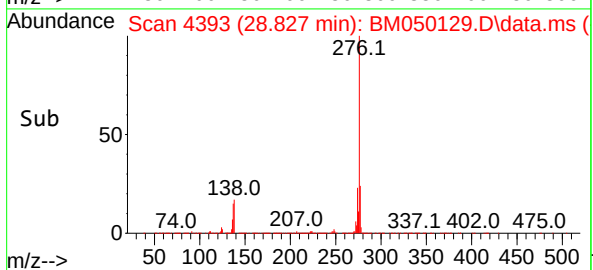
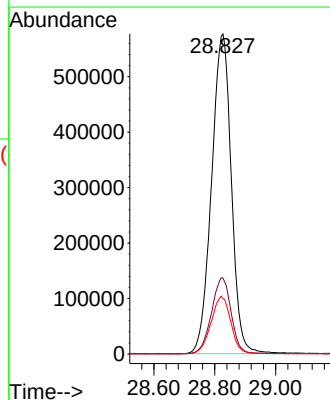
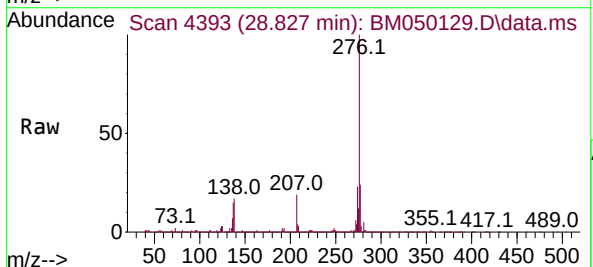
Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 2735436
Ion Ratio Lower Upper
278 100
139 13.1 10.5 15.7
279 23.7 19.4 29.0



#92
Benzo(g,h,i)perylene
Concen: 37.902 ng
RT: 28.827 min Scan# 4393
Delta R.T. -0.023 min
Lab File: BM050129.D
Acq: 07 May 2025 09:56

Tgt Ion:276 Resp: 2598984
Ion Ratio Lower Upper
276 100
277 23.7 19.1 28.7
138 17.3 14.3 21.5



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
 Data File : BM050129.D
 Acq On : 07 May 2025 09:56
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 LabSampleId :
 SSTDCCC040

Quant Time: May 07 11:58:12 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 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	110	-0.02
2	1,4-Dioxane	0.490	0.461	5.9	100	-0.02
3	Pyridine	1.258	1.219	3.1	101	-0.02
4	n-Nitrosodimethylamine	0.493	0.473	4.1	100	-0.02
5 S	2-Fluorophenol	1.142	1.113	2.5	102	-0.02
6	Aniline	1.813	1.767	2.5	100	-0.02
7 S	Phenol-d6	1.436	1.401	2.4	100	-0.02
8	2-Chlorophenol	1.235	1.194	3.3	101	-0.02
9	Benzaldehyde	0.961	0.911	5.2	98	-0.02
10 C	Phenol	1.453	1.425	1.9	102	-0.02
11	bis(2-Chloroethyl)ether	1.213	1.149	5.3	99	-0.02
12	1,3-Dichlorobenzene	1.492	1.409	5.6	99	-0.02
13 C	1,4-Dichlorobenzene	1.499	1.411	5.9	100	-0.03
14	1,2-Dichlorobenzene	1.448	1.353	6.6	98	-0.03
15	Benzyl Alcohol	0.996	1.004	-0.8	103	-0.02
16	2,2'-oxybis(1-Chloropropane	1.475	1.451	1.6	103	-0.02
17	2-Methylphenol	0.957	0.941	1.7	101	-0.02
18	Hexachloroethane	0.533	0.501	6.0	99	-0.03
19 P	n-Nitroso-di-n-propylamine	0.921	0.900	2.3	99	-0.02
20	3+4-Methylphenols	1.293	1.266	2.1	100	-0.02
21 I	Naphthalene-d8	1.000	1.000	0.0	111	-0.03
22	Acetophenone	0.497	0.472	5.0	98	-0.02
23 S	Nitrobenzene-d5	0.406	0.388	4.4	99	-0.02
24	Nitrobenzene	0.351	0.337	4.0	100	-0.02
25	Isophorone	0.692	0.664	4.0	101	-0.02
26 C	2-Nitrophenol	0.179	0.179	0.0	101	-0.02
27	2,4-Dimethylphenol	0.297	0.291	2.0	99	-0.02
28	bis(2-Chloroethoxy)methane	0.428	0.407	4.9	99	-0.02
29 C	2,4-Dichlorophenol	0.333	0.323	3.0	99	-0.02
30	1,2,4-Trichlorobenzene	0.406	0.379	6.7	98	-0.02
31	Naphthalene	1.013	0.949	6.3	98	-0.02
32	Benzoic acid	0.190	0.185	2.6	104	0.00
33	4-Chloroaniline	0.415	0.401	3.4	101	-0.02
34 C	Hexachlorobutadiene	0.258	0.239	7.4	98	-0.03
35	Caprolactam	0.097	0.094	3.1	100	-0.02
36 C	4-Chloro-3-methylphenol	0.308	0.294	4.5	100	-0.01
37	2-Methylnaphthalene	0.679	0.636	6.3	99	-0.02
38	1-Methylnaphthalene	0.719	0.672	6.5	99	-0.02
39 I	Acenaphthene-d10	1.000	1.000	0.0	110	-0.02
40	1,2,4,5-Tetrachlorobenzene	0.692	0.657	5.1	97	-0.02
41 P	Hexachlorocyclopentadiene	0.423	0.361	14.7	87	-0.03
42 S	2,4,6-Tribromophenol	0.296	0.285	3.7	98	-0.01
43 C	2,4,6-Trichlorophenol	0.439	0.428	2.5	99	-0.02
44	2,4,5-Trichlorophenol	0.474	0.464	2.1	98	-0.01
45 S	2-Fluorobiphenyl	1.691	1.612	4.7	98	-0.02
46	1,1'-Biphenyl	1.487	1.400	5.9	98	-0.02
47	2-Chloronaphthalene	1.177	1.109	5.8	97	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
 Data File : BM050129.D
 Acq On : 07 May 2025 09:56
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 LabSampleId :
 SSTDCCC040

Quant Time: May 07 11:58:12 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 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	0.276	0.279	-1.1	102	-0.02
49	Acenaphthylene	1.857	1.752	5.7	97	-0.02
50	Dimethylphthalate	1.462	1.370	6.3	98	-0.02
51	2,6-Dinitrotoluene	0.303	0.297	2.0	100	-0.02
52 C	Acenaphthene	1.075	1.006	6.4	97	-0.02
53	3-Nitroaniline	0.289	0.290	-0.3	99	-0.02
54 P	2,4-Dinitrophenol	0.164	0.160	2.4	99	0.00
55	Dibenzofuran	1.788	1.674	6.4	98	-0.02
56 P	4-Nitrophenol	0.205	0.189	7.8	92	0.00
57	2,4-Dinitrotoluene	0.418	0.415	0.7	100	-0.01
58	Fluorene	1.463	1.378	5.8	97	-0.02
59	2,3,4,6-Tetrachlorophenol	0.410	0.388	5.4	98	-0.01
60	Diethylphthalate	1.377	1.278	7.2	98	-0.02
61	4-Chlorophenyl-phenylether	0.804	0.755	6.1	97	-0.02
62	4-Nitroaniline	0.279	0.284	-1.8	99	-0.01
63	Azobenzene	1.154	1.078	6.6	97	-0.02
64 I	Phenanthrene-d10	1.000	1.000	0.0	110	-0.02
65	4,6-Dinitro-2-methylphenol	0.125	0.121	3.2	98	-0.01
66 c	n-Nitrosodiphenylamine	0.614	0.583	5.0	98	-0.01
67	4-Bromophenyl-phenylether	0.242	0.230	5.0	98	-0.02
68	Hexachlorobenzene	0.279	0.263	5.7	98	-0.01
69	Atrazine	0.222	0.211	5.0	98	-0.02
70 C	Pentachlorophenol	0.157	0.144	8.3	95	-0.01
71	Phenanthrene	1.128	1.052	6.7	97	-0.02
72	Anthracene	1.142	1.076	5.8	97	-0.02
73	Carbazole	0.991	0.951	4.0	99	-0.02
74	Di-n-butylphthalate	1.180	1.112	5.8	98	-0.02
75 C	Fluoranthene	1.324	1.258	5.0	98	-0.01
76 I	Chrysene-d12	1.000	1.000	0.0	107	-0.01
77	Benzydine	0.710	0.696	2.0	96	-0.01
78	Pyrene	1.404	1.381	1.6	97	-0.01
79 S	Terphenyl-d14	1.352	1.351	0.1	95	-0.01
80	Butylbenzylphthalate	0.526	0.517	1.7	98	-0.02
81	Benzo(a)anthracene	1.377	1.299	5.7	94	-0.01
82	3,3'-Dichlorobenzidine	0.527	0.511	3.0	94	-0.02
83	Chrysene	1.275	1.183	7.2	94	-0.02
84	Bis(2-ethylhexyl)phthalate	0.786	0.740	5.9	94	-0.02
85 c	Di-n-octyl phthalate	1.296	1.213	6.4	95	-0.02
86 I	Perylene-d12	1.000	1.000	0.0	110	-0.02
87	Indeno(1,2,3-cd)pyrene	1.490	1.413	5.2	97	-0.03
88	Benzo(b)fluoranthene	1.301	1.180	9.3	92	-0.02
89	Benzo(k)fluoranthene	1.316	1.208	8.2	96	-0.02
90 C	Benzo(a)pyrene	1.218	1.131	7.1	96	-0.02
91	Dibenzo(a,h)anthracene	1.215	1.160	4.5	98	-0.04
92	Benzo(g,h,i)perylene	1.163	1.102	5.2	98	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050129.D
Acq On : 07 May 2025 09:56
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: May 07 11:58:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
 Data File : BM050129.D
 Acq On : 07 May 2025 09:56
 Operator : RC/JU
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Instrument :
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Quant Time: May 07 11:58:12 2025
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 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	110	-0.02
2	1,4-Dioxane	40.000	37.638	5.9	100	-0.02
3	Pyridine	40.000	38.760	3.1	101	-0.02
4	n-Nitrosodimethylamine	40.000	38.309	4.2	100	-0.02
5 S	2-Fluorophenol	80.000	77.929	2.6	102	-0.02
6	Aniline	40.000	38.981	2.5	100	-0.02
7 S	Phenol-d6	80.000	78.093	2.4	100	-0.02
8	2-Chlorophenol	40.000	38.682	3.3	101	-0.02
9	Benzaldehyde	40.000	37.934	5.2	98	-0.02
10 C	Phenol	40.000	39.229	1.9	102	-0.02
11	bis(2-Chloroethyl)ether	40.000	37.871	5.3	99	-0.02
12	1,3-Dichlorobenzene	40.000	37.769	5.6	99	-0.02
13 C	1,4-Dichlorobenzene	40.000	37.673	5.8	100	-0.03
14	1,2-Dichlorobenzene	40.000	37.392	6.5	98	-0.03
15	Benzyl Alcohol	40.000	40.351	-0.9	103	-0.02
16	2,2'-oxybis(1-Chloropropane	40.000	39.358	1.6	103	-0.02
17	2-Methylphenol	40.000	39.297	1.8	101	-0.02
18	Hexachloroethane	40.000	37.618	6.0	99	-0.03
19 P	n-Nitroso-di-n-propylamine	40.000	39.100	2.2	99	-0.02
20	3+4-Methylphenols	40.000	39.165	2.1	100	-0.02
21 I	Naphthalene-d8	20.000	20.000	0.0	111	-0.03
22	Acetophenone	40.000	37.985	5.0	98	-0.02
23 S	Nitrobenzene-d5	80.000	76.498	4.4	99	-0.02
24	Nitrobenzene	40.000	38.361	4.1	100	-0.02
25	Isophorone	40.000	38.379	4.1	101	-0.02
26 C	2-Nitrophenol	40.000	40.028	-0.1	101	-0.02
27	2,4-Dimethylphenol	40.000	39.146	2.1	99	-0.02
28	bis(2-Chloroethoxy)methane	40.000	38.093	4.8	99	-0.02
29 C	2,4-Dichlorophenol	40.000	38.777	3.1	99	-0.02
30	1,2,4-Trichlorobenzene	40.000	37.345	6.6	98	-0.02
31	Naphthalene	40.000	37.465	6.3	98	-0.02
32	Benzoic acid	40.000	38.892	2.8	104	0.00
33	4-Chloroaniline	40.000	38.655	3.4	101	-0.02
34 C	Hexachlorobutadiene	40.000	37.153	7.1	98	-0.03
35	Caprolactam	40.000	38.907	2.7	100	-0.02
36 C	4-Chloro-3-methylphenol	40.000	38.219	4.5	100	-0.01
37	2-Methylnaphthalene	40.000	37.483	6.3	99	-0.02
38	1-Methylnaphthalene	40.000	37.416	6.5	99	-0.02
39 I	Acenaphthene-d10	20.000	20.000	0.0	110	-0.02
40	1,2,4,5-Tetrachlorobenzene	40.000	37.962	5.1	97	-0.02
41 P	Hexachlorocyclopentadiene	40.000	34.123	14.7	87	-0.03
42 S	2,4,6-Tribromophenol	80.000	77.152	3.6	98	-0.01
43 C	2,4,6-Trichlorophenol	40.000	39.025	2.4	99	-0.02
44	2,4,5-Trichlorophenol	40.000	39.223	1.9	98	-0.01
45 S	2-Fluorobiphenyl	80.000	76.285	4.6	98	-0.02
46	1,1'-Biphenyl	40.000	37.665	5.8	98	-0.02
47	2-Chloronaphthalene	40.000	37.681	5.8	97	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
 Data File : BM050129.D
 Acq On : 07 May 2025 09:56
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 LabSampleId :
 SSTDCCC040

Quant Time: May 07 11:58:12 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	40.448	-1.1	102	-0.02
49	Acenaphthylene	40.000	37.758	5.6	97	-0.02
50	Dimethylphthalate	40.000	37.481	6.3	98	-0.02
51	2,6-Dinitrotoluene	40.000	39.202	2.0	100	-0.02
52 C	Acenaphthene	40.000	37.437	6.4	97	-0.02
53	3-Nitroaniline	40.000	40.213	-0.5	99	-0.02
54 P	2,4-Dinitrophenol	40.000	36.439	8.9	99	0.00
55	Dibenzofuran	40.000	37.462	6.3	98	-0.02
56 P	4-Nitrophenol	40.000	34.800	13.0	92	0.00
57	2,4-Dinitrotoluene	40.000	39.653	0.9	100	-0.01
58	Fluorene	40.000	37.662	5.8	97	-0.02
59	2,3,4,6-Tetrachlorophenol	40.000	37.896	5.3	98	-0.01
60	Diethylphthalate	40.000	37.127	7.2	98	-0.02
61	4-Chlorophenyl-phenylether	40.000	37.553	6.1	97	-0.02
62	4-Nitroaniline	40.000	40.776	-1.9	99	-0.01
63	Azobenzene	40.000	37.357	6.6	97	-0.02
64 I	Phenanthrene-d10	20.000	20.000	0.0	110	-0.02
65	4,6-Dinitro-2-methylphenol	40.000	38.782	3.0	98	-0.01
66 c	n-Nitrosodiphenylamine	40.000	37.972	5.1	98	-0.01
67	4-Bromophenyl-phenylether	40.000	38.030	4.9	98	-0.02
68	Hexachlorobenzene	40.000	37.749	5.6	98	-0.01
69	Atrazine	40.000	38.139	4.7	98	-0.02
70 C	Pentachlorophenol	40.000	36.772	8.1	95	-0.01
71	Phenanthrene	40.000	37.320	6.7	97	-0.02
72	Anthracene	40.000	37.713	5.7	97	-0.02
73	Carbazole	40.000	38.410	4.0	99	-0.02
74	Di-n-butylphthalate	40.000	37.714	5.7	98	-0.02
75 C	Fluoranthene	40.000	37.983	5.0	98	-0.01
76 I	Chrysene-d12	20.000	20.000	0.0	107	-0.01
77	Benzydine	40.000	39.198	2.0	96	-0.01
78	Pyrene	40.000	39.346	1.6	97	-0.01
79 S	Terphenyl-d14	80.000	79.988	0.0	95	-0.01
80	Butylbenzylphthalate	40.000	39.331	1.7	98	-0.02
81	Benzo(a)anthracene	40.000	37.728	5.7	94	-0.01
82	3,3'-Dichlorobenzidine	40.000	38.795	3.0	94	-0.02
83	Chrysene	40.000	37.130	7.2	94	-0.02
84	Bis(2-ethylhexyl)phthalate	40.000	37.692	5.8	94	-0.02
85 c	Di-n-octyl phthalate	40.000	37.435	6.4	95	-0.02
86 I	Perylene-d12	20.000	20.000	0.0	110	-0.02
87	Indeno(1,2,3-cd)pyrene	40.000	37.928	5.2	97	-0.03
88	Benzo(b)fluoranthene	40.000	36.304	9.2	92	-0.02
89	Benzo(k)fluoranthene	40.000	36.733	8.2	96	-0.02
90 C	Benzo(a)pyrene	40.000	37.121	7.2	96	-0.02
91	Dibenzo(a,h)anthracene	40.000	38.192	4.5	98	-0.04
92	Benzo(g,h,i)perylene	40.000	37.902	5.2	98	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050129.D
Acq On : 07 May 2025 09:56
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: May 07 11:58:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0



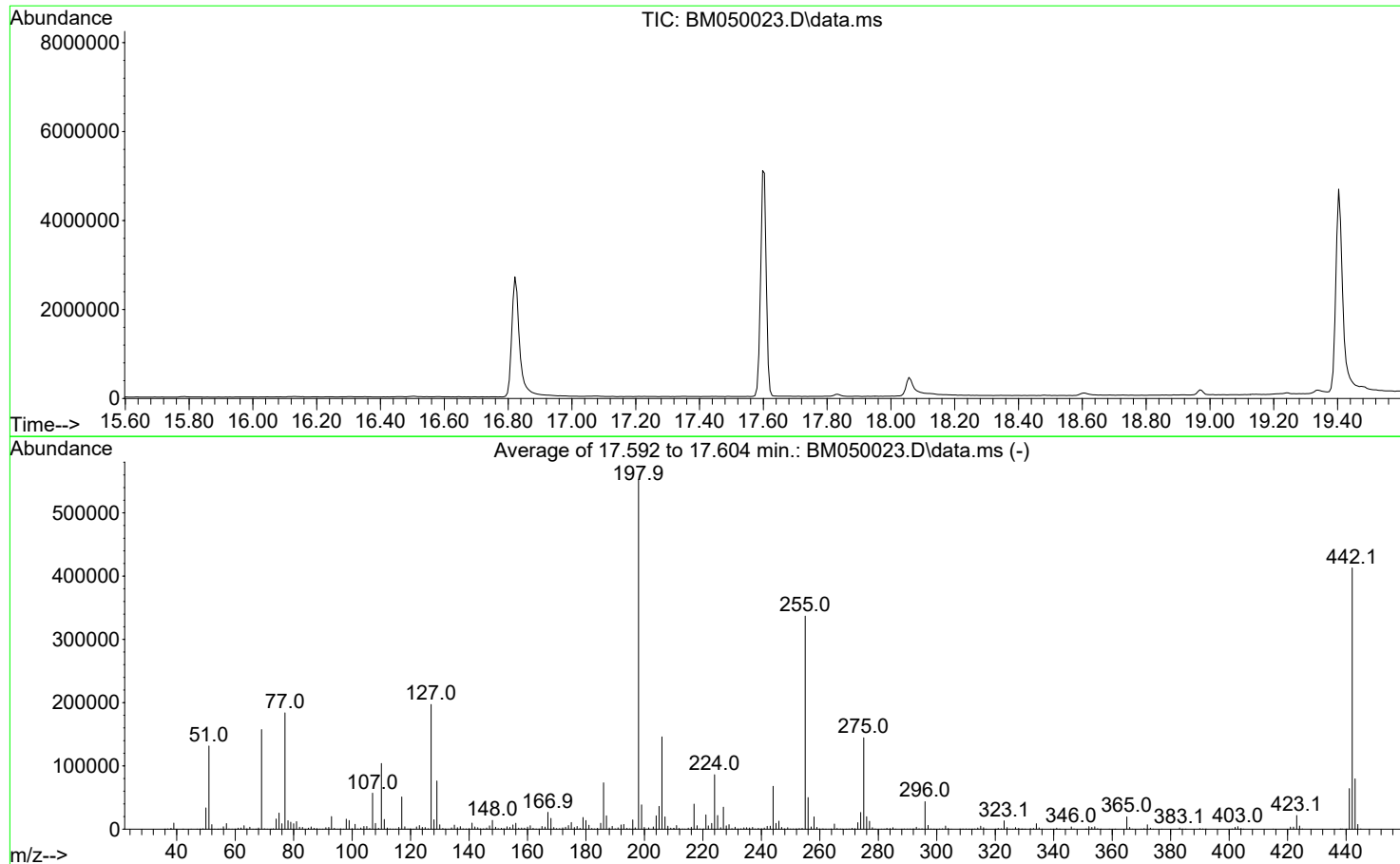
QC SAMPLE DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050023.D
Acq On : 28 Apr 2025 11:46
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Apr 28 18:09:16 2025



AutoFind: Scans 2483, 2484, 2485; Background Corrected with Scan 2476

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
51	198	10	80	23.8	131521	PASS
68	69	0.00	2	1.3	2026	PASS
69	198	0.00	100	28.5	157569	PASS
70	69	0.00	2	0.4	660	PASS
127	198	10	80	35.7	197099	PASS
197	198	0.00	2	0.4	2228	PASS
198	198	100	100	100.0	552704	PASS
199	198	5	9	7.0	38461	PASS
275	198	10	60	26.2	144571	PASS
365	198	1	100	3.5	19537	PASS
441	198	0.01	100	11.6	64259	PASS
442	442	50	100	100.0	413099	PASS
443	442	15	24	19.3	79557	PASS

DDT Breakdown

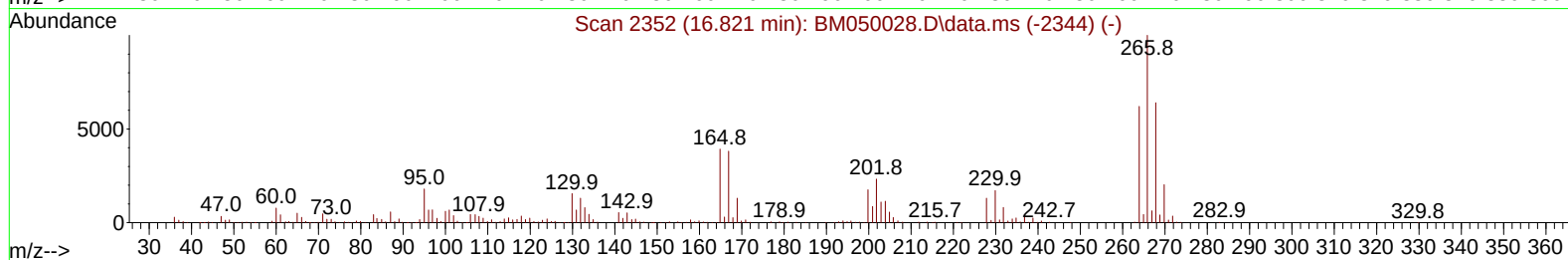
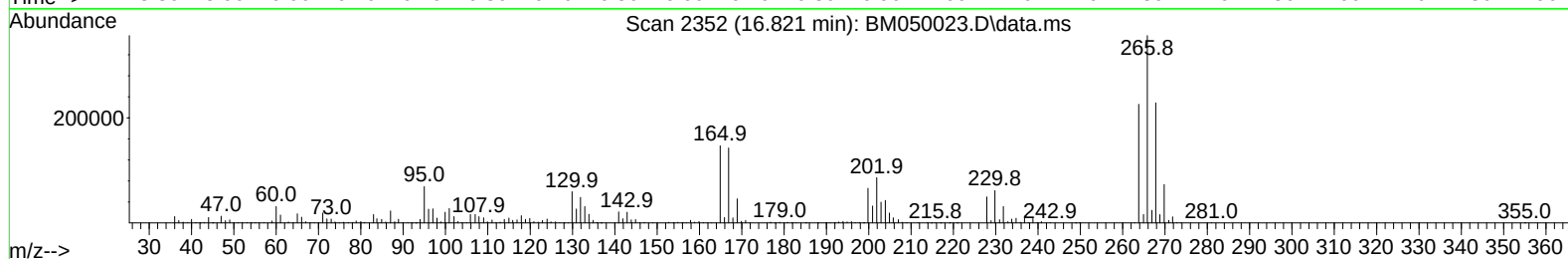
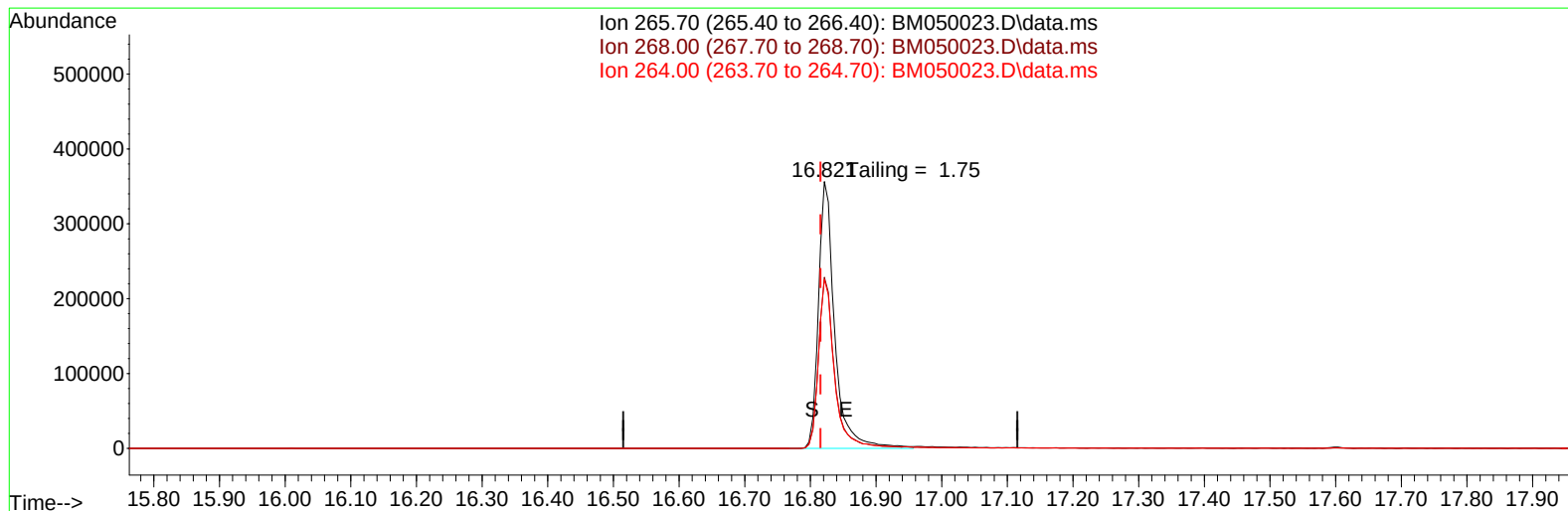
Date	Instrument Name	DFTPP Data File
4/28/2025	BNA_M	<u>BM050023.D</u>
Compound Name	Response	Retention Time
DDT	1978095	20.639
DDD	17600	20.251
DDE	1351	19.692
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
18951	1997046	0.95

Instrument :
BNA_M
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050023.D
Acq On : 28 Apr 2025 11:46
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Apr 28 15:37:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration



TIC: BM050023.D\data.ms

(70) Pentachlorophenol (C)

16.821min (+ 0.006) 652247.26 ng

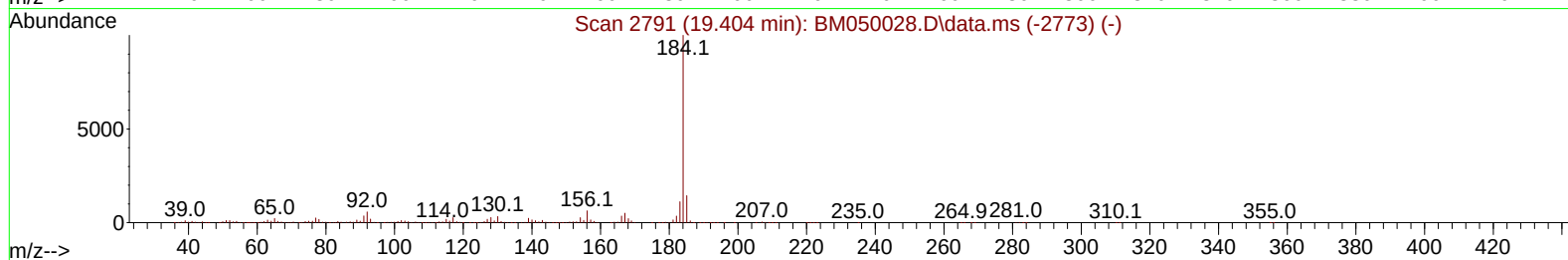
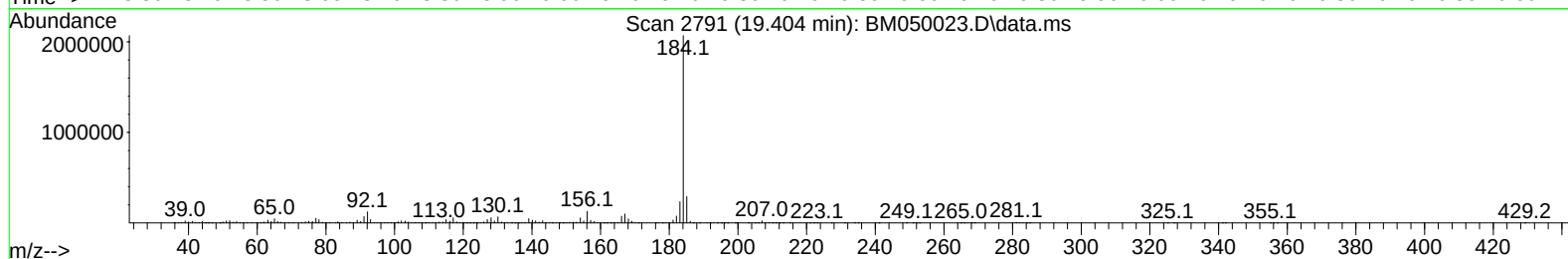
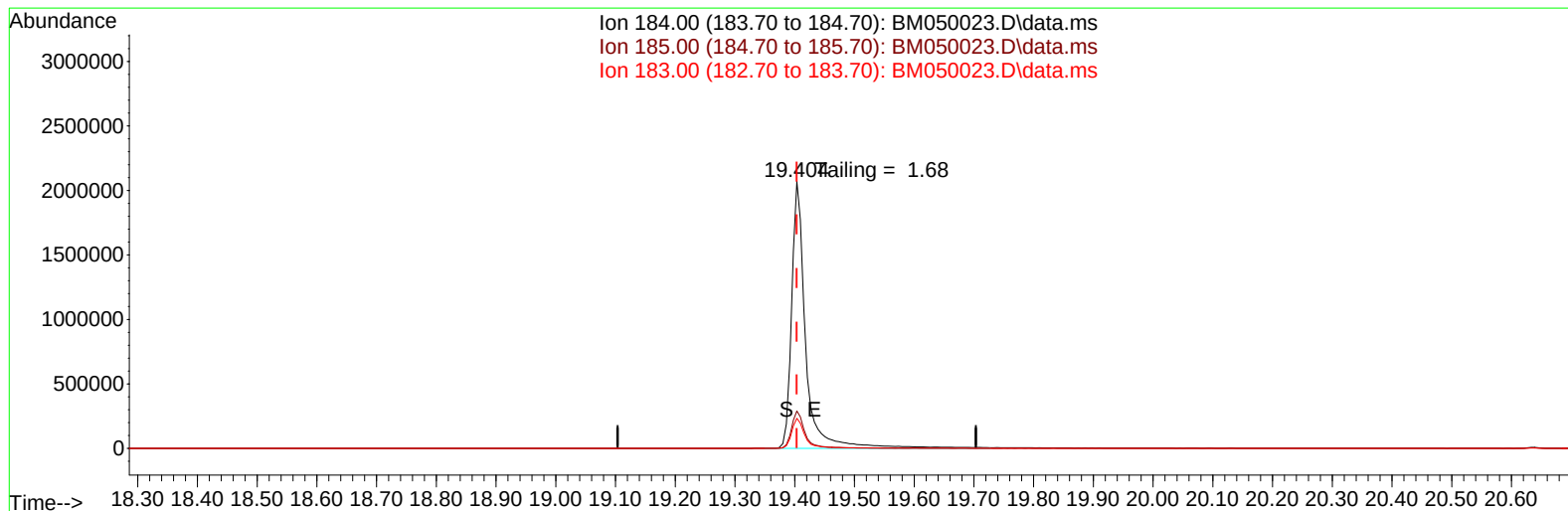
response 613835

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.30	64.13
264.00	62.30	63.38
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050023.D
Acq On : 28 Apr 2025 11:46
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Apr 28 15:37:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration



TIC: BM050023.D\data.ms

(77) Benzidine**19.404min (+ 0.000) 1761877.84 ng****response 3412576**

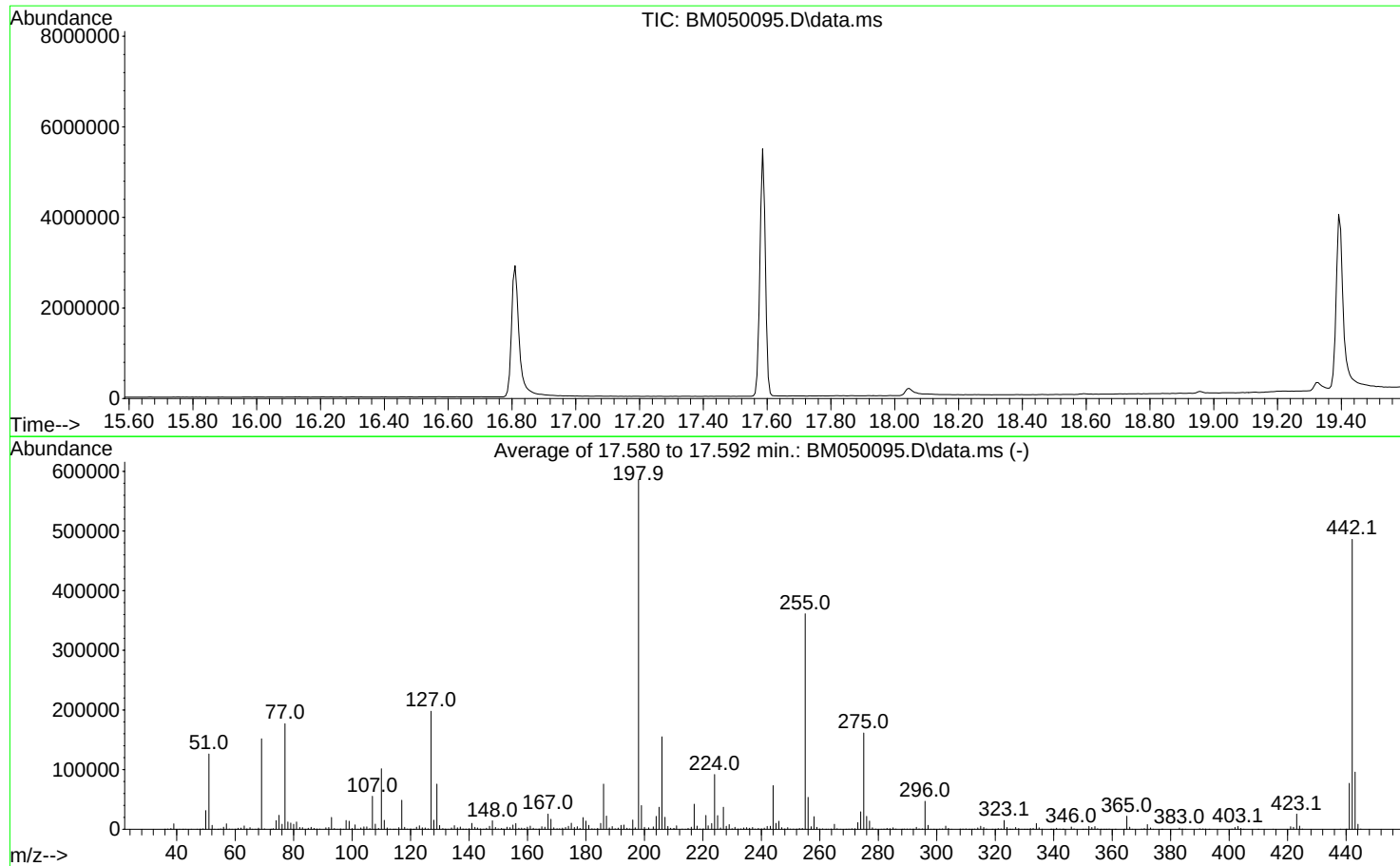
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.30	14.06
183.00	11.00	11.29
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050525\
Data File : BM050095.D
Acq On : 05 May 2025 11:39
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Apr 28 18:09:16 2025



AutoFind: Scans 2481, 2482, 2483; Background Corrected with Scan 2474

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	Pass/Fail
51	198	10	80	21.5	126193	PASS
68	69	0.00	2	1.4	2128	PASS
69	198	0.00	100	25.9	151749	PASS
70	69	0.00	2	0.5	753	PASS
127	198	10	80	33.8	197867	PASS
197	198	0.00	2	0.4	2535	PASS
198	198	100	100	100.0	586155	PASS
199	198	5	9	6.8	39909	PASS
275	198	10	60	27.5	161365	PASS
365	198	1	100	3.8	21988	PASS
441	198	0.01	100	13.2	77099	PASS
442	442	50	100	100.0	485995	PASS
443	442	15	24	19.7	95787	PASS

DDT Breakdown

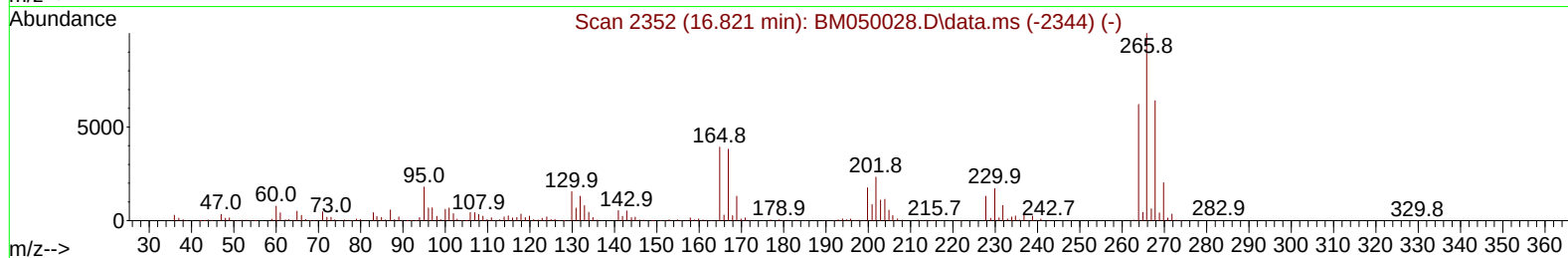
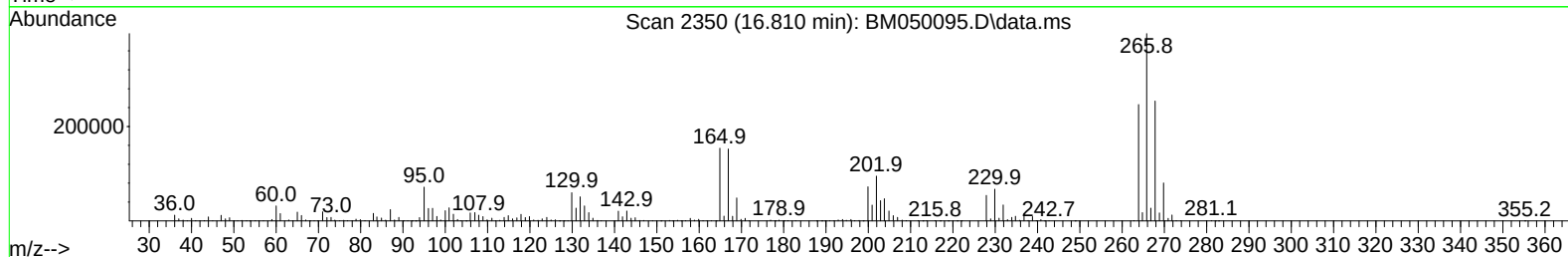
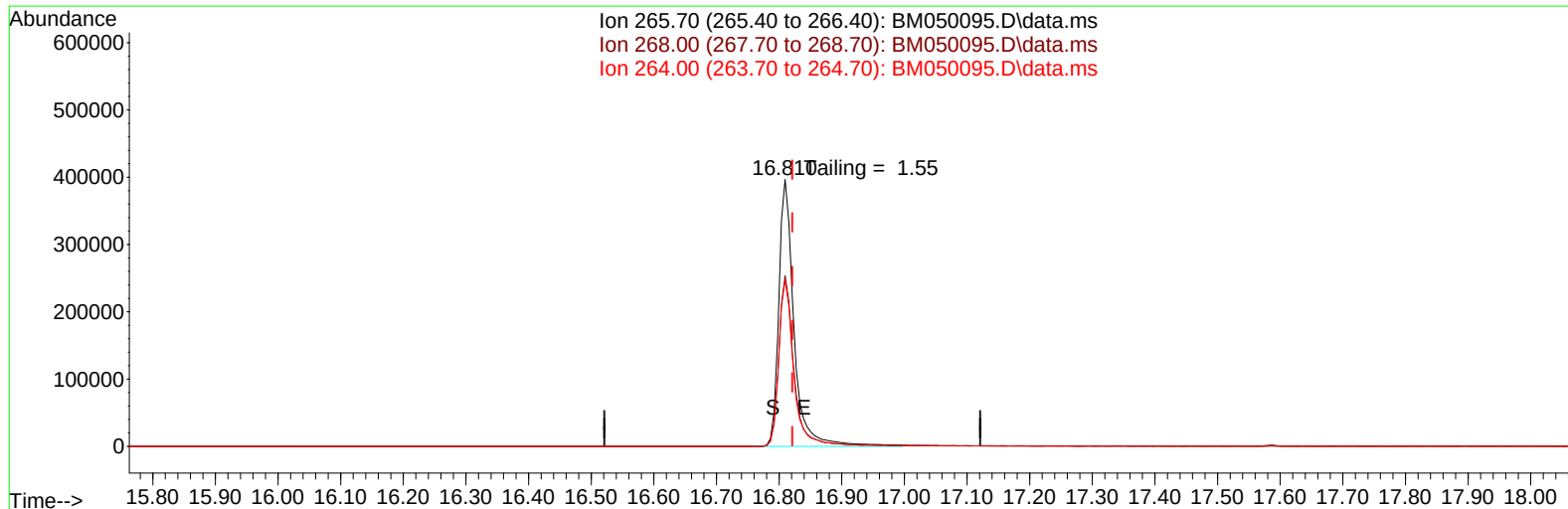
Date	Instrument Name	DFTPP Data File
5/5/2025	BNA_M	<u>BM050095.D</u>
Compound Name	Response	Retention Time
DDT	1857543	20.627
DDD	41765	20.192
DDE	2860	19.68
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
44625	1902168	2.35

Instrument :
BNA_M
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050525\
Data File : BM050095.D
Acq On : 05 May 2025 11:39
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: May 05 12:15:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



TIC: BM050095.D\data.ms

(70) Pentachlorophenol (C)

16.810min (-0.011) 1373115.00 ng

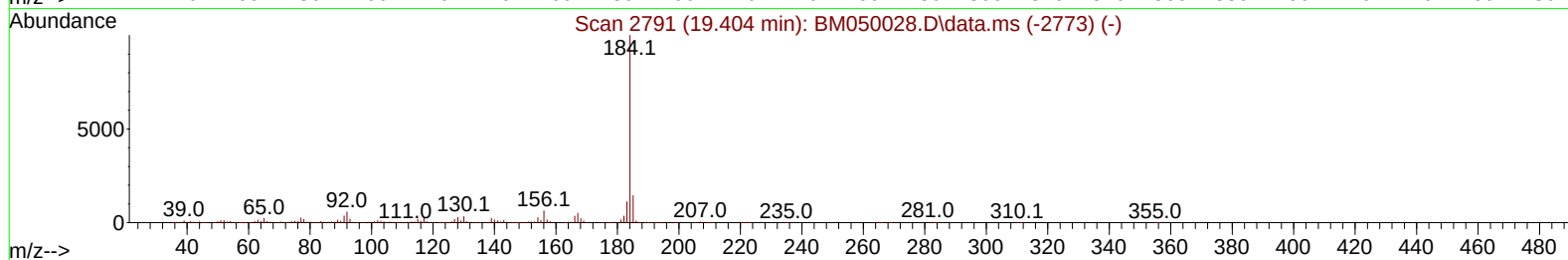
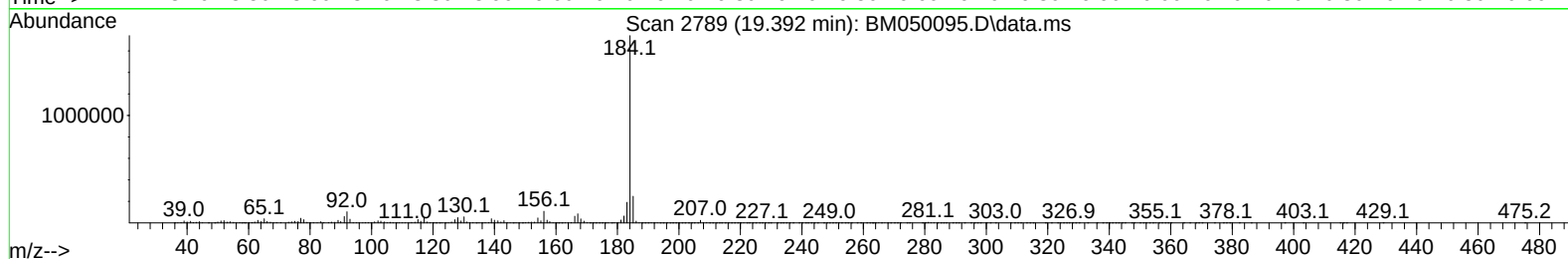
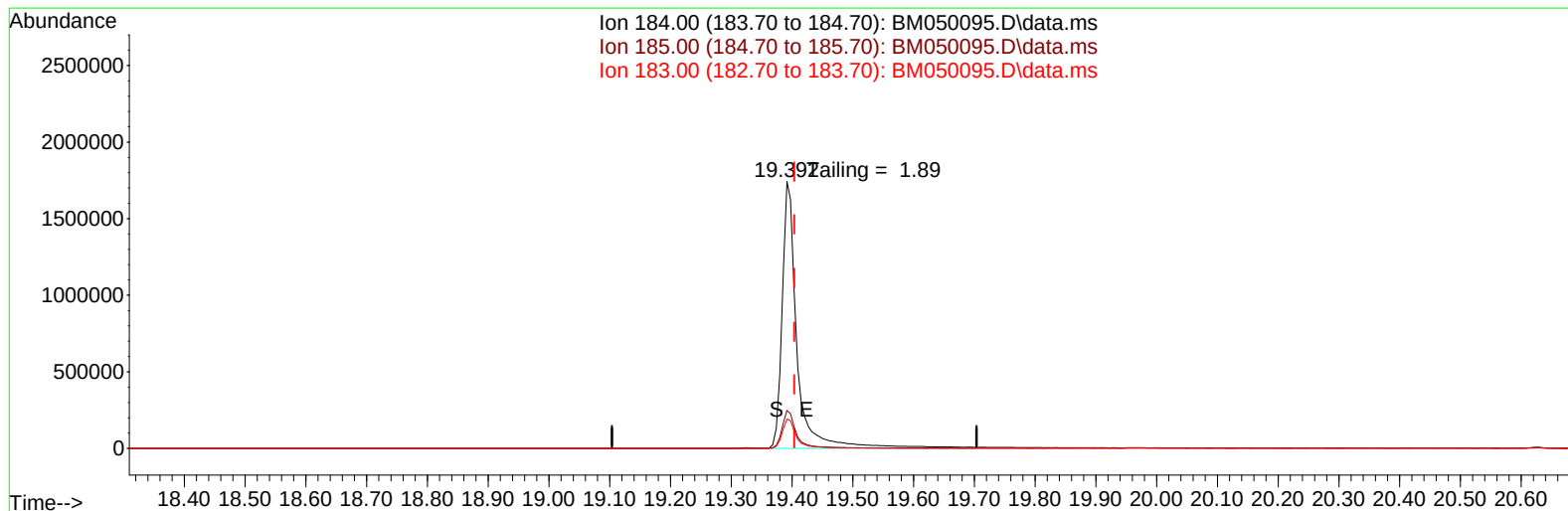
response 678757

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.00	64.04
264.00	62.00	62.19
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050525\
Data File : BM050095.D
Acq On : 05 May 2025 11:39
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: May 05 12:15:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



TIC: BM050095.D\data.ms

(77) Benzidine

19.392min (-0.012) 74251.17 ng

response 2996145

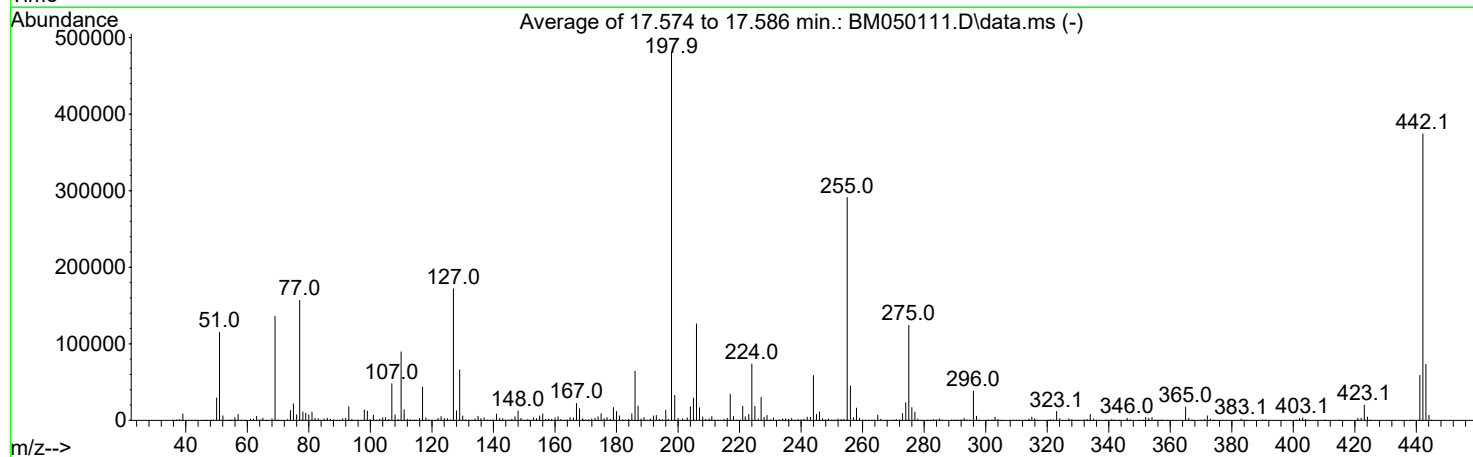
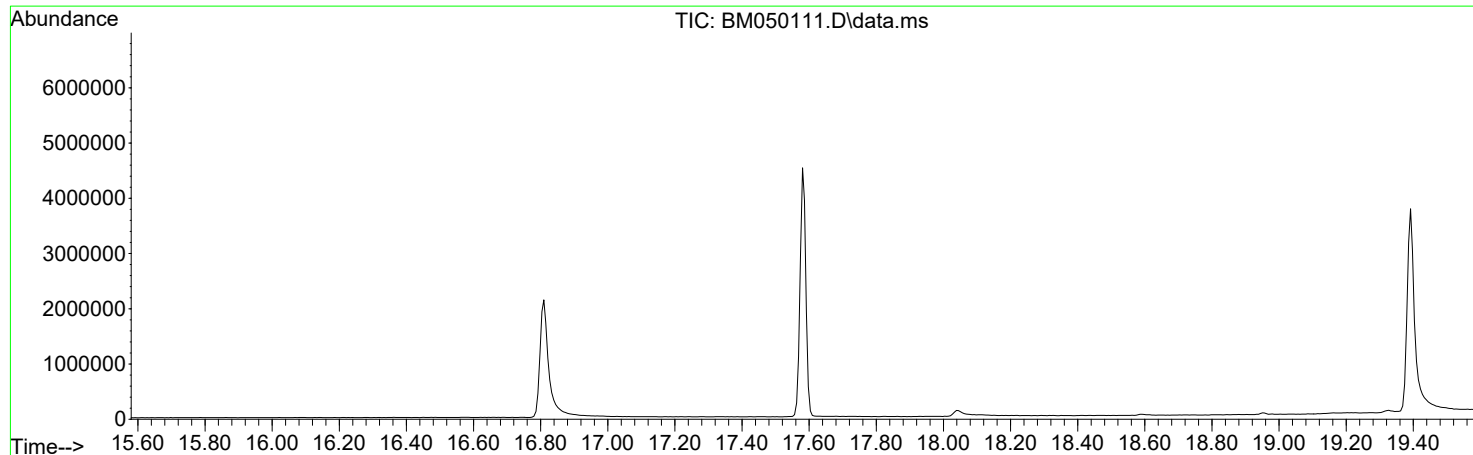
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.25
183.00	11.10	11.02
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
Data File : BM050111.D
Acq On : 06 May 2025 09:24
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Apr 28 18:09:16 2025



AutoFind: Scans 2480, 2481, 2482; Background Corrected with Scan 2473

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	24.0	115234	PASS
68	69	0.00	2	1.5	2089	PASS
69	198	0.00	100	28.3	135803	PASS
70	69	0.00	2	0.6	795	PASS
127	198	10	80	35.7	171797	PASS
197	198	0.00	2	0.3	1392	PASS
198	198	100	100	100.0	480576	PASS
199	198	5	9	6.8	32581	PASS
275	198	10	60	25.9	124248	PASS
365	198	1	100	3.6	17315	PASS
441	198	0.01	100	12.2	58832	PASS
442	442	50	100	100.0	374165	PASS
443	442	15	24	19.6	73187	PASS

DDT Breakdown

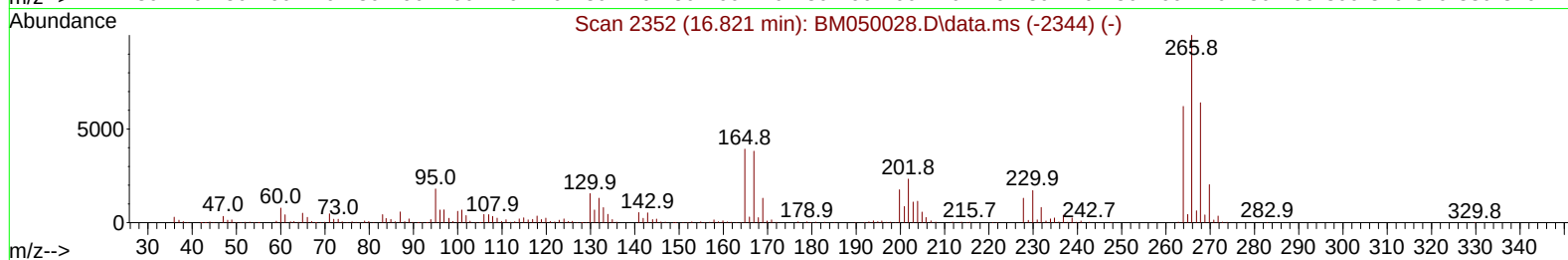
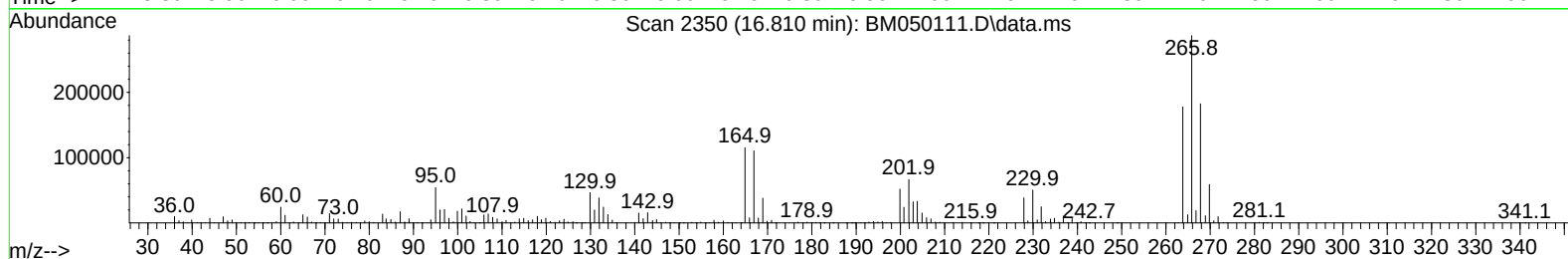
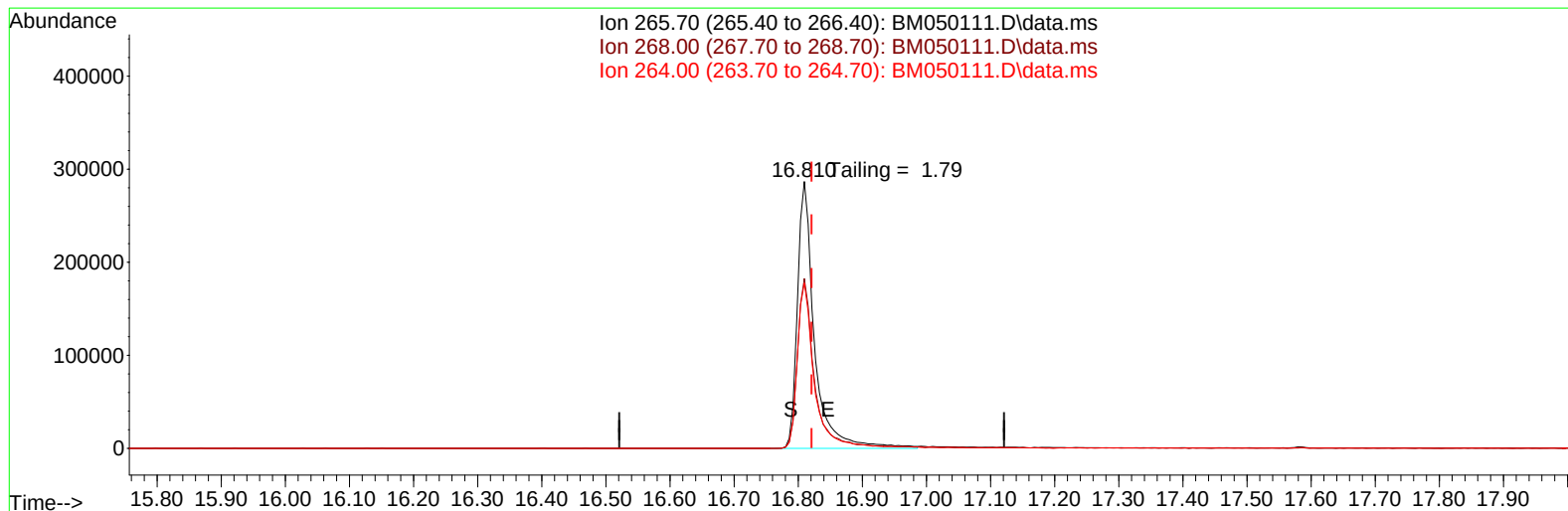
Date	Instrument Name	DFTPP Data File
5/6/2025	BNA_M	<u>BM050111.D</u>
Compound Name	Response	Retention Time
DDT	1573453	20.621
DDD	31388	20.186
DDE	2518	19.68
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
33906	1607359	2.11

Instrument :
BNA_M
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
Data File : BM050111.D
Acq On : 06 May 2025 09:24
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: May 06 11:38:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



TIC: BM050111.D\data.ms

(70) Pentachlorophenol (C)

16.810min (-0.012) 0.00 ng m

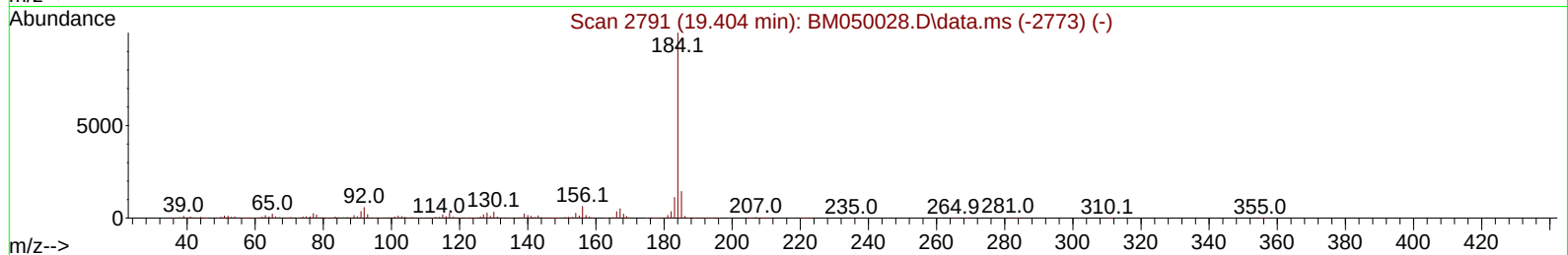
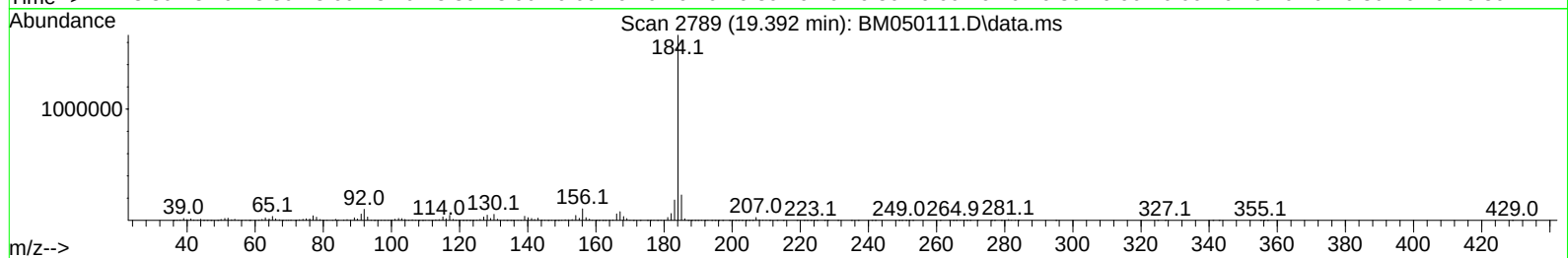
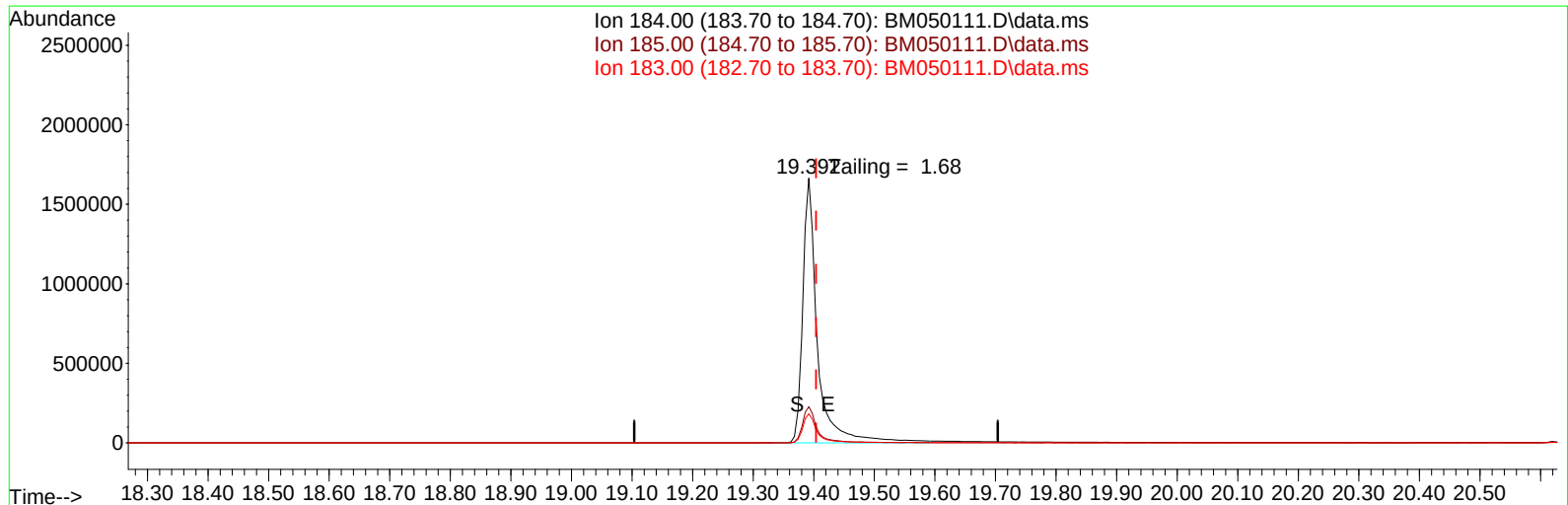
response 531699

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.00	63.59
264.00	62.00	61.99
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
Data File : BM050111.D
Acq On : 06 May 2025 09:24
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: May 06 11:38:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



TIC: BM050111.D\data.ms

(77) Benzidine**19.392min (-0.012) 37075.87 ng****response 2852535**

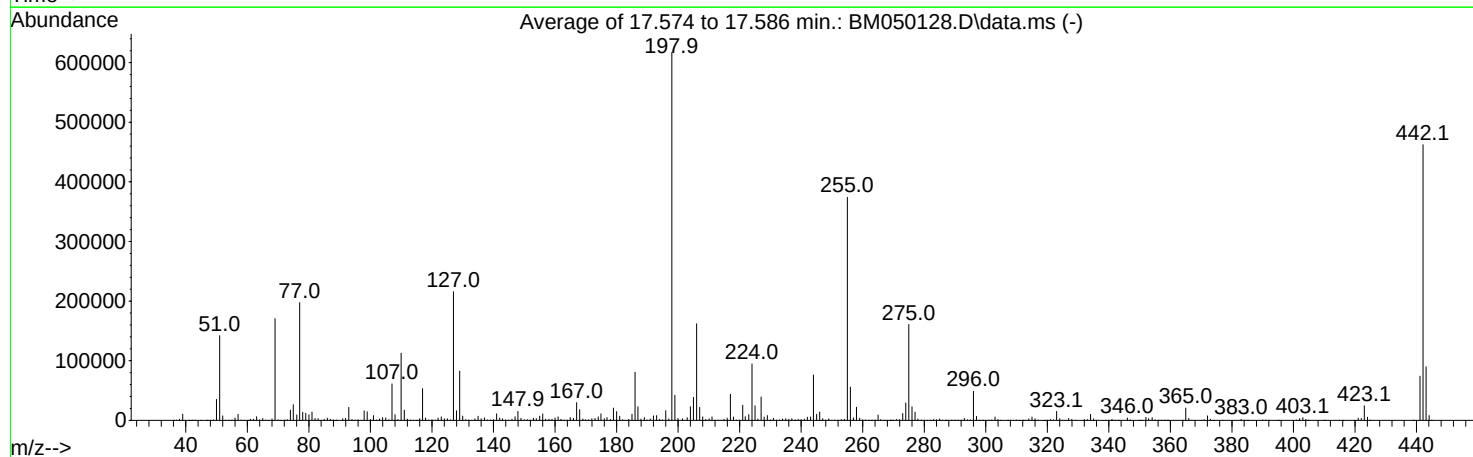
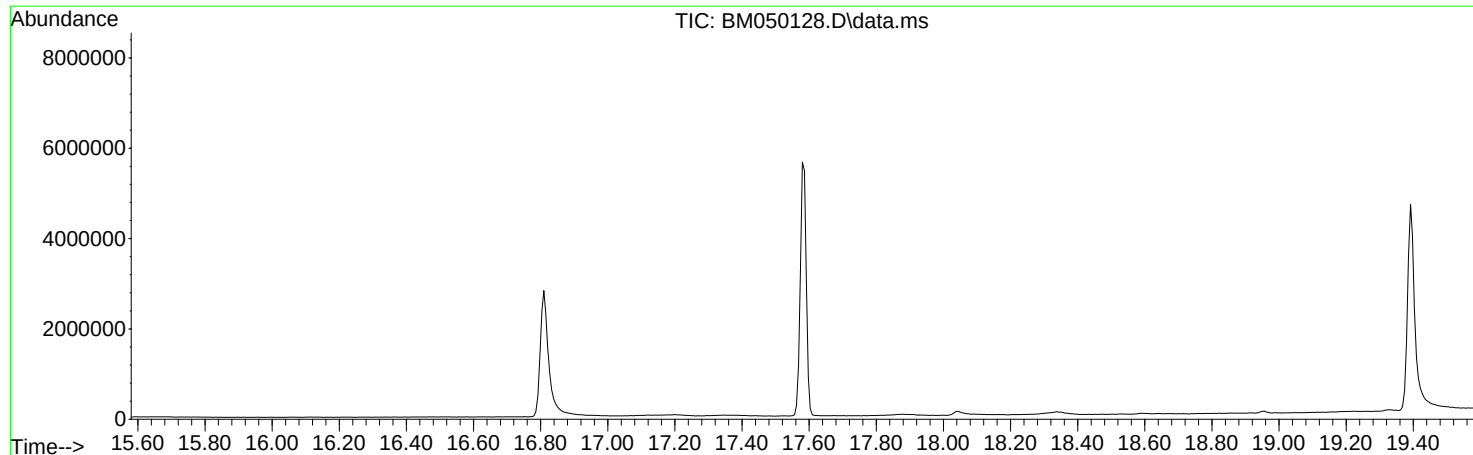
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	13.70
183.00	11.10	11.01
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050128.D
Acq On : 07 May 2025 09:17
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Apr 28 18:09:16 2025



AutoFind: Scans 2480, 2481, 2482; Background Corrected with Scan 2472

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	23.0	142053	PASS
68	69	0.00	2	1.4	2411	PASS
69	198	0.00	100	27.7	170733	PASS
70	69	0.00	2	0.5	908	PASS
127	198	10	80	35.0	215732	PASS
197	198	0.00	2	0.4	2403	PASS
198	198	100	100	100.0	616960	PASS
199	198	5	9	6.9	42292	PASS
275	198	10	60	26.1	161005	PASS
365	198	1	100	3.4	20678	PASS
441	198	0.01	100	12.0	74035	PASS
442	442	50	100	100.0	462379	PASS
443	442	15	24	19.4	89800	PASS

DDT Breakdown

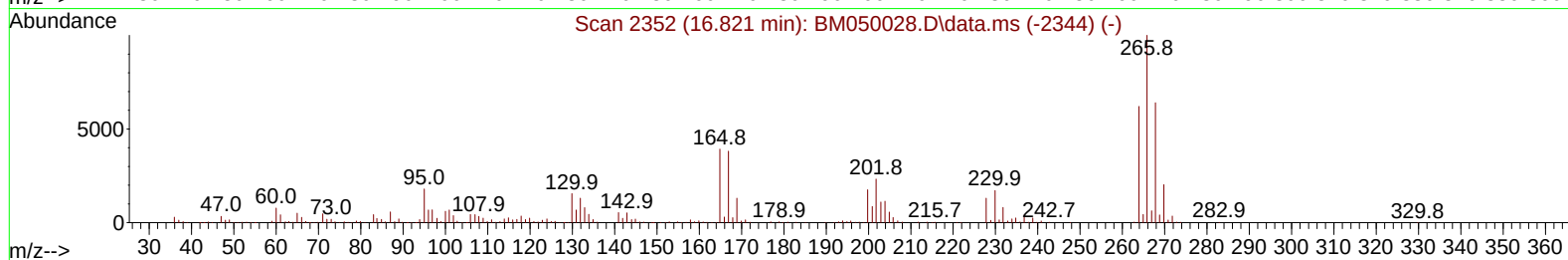
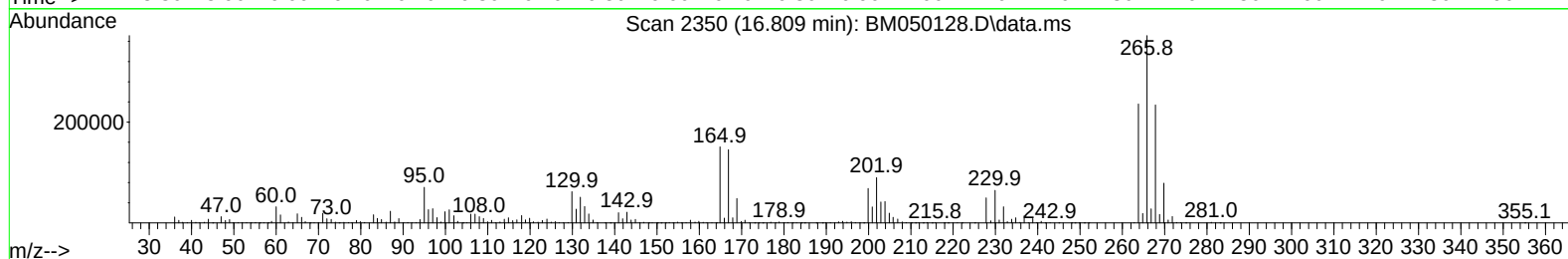
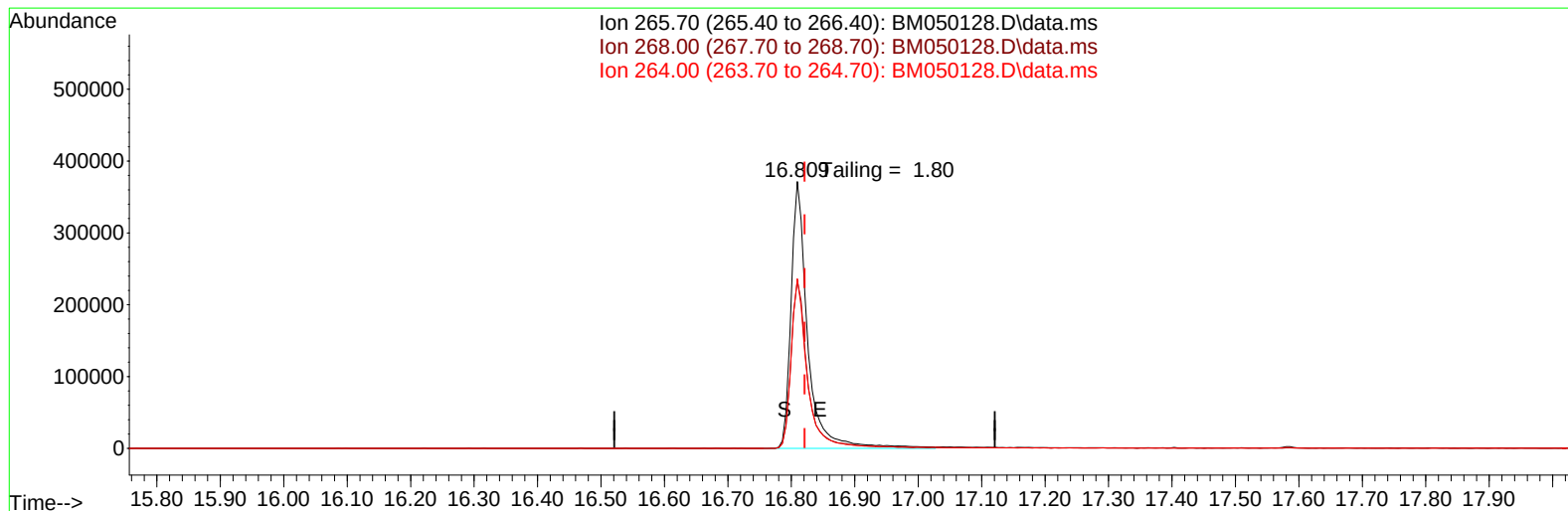
Date	Instrument Name	DFTPP Data File
5/7/2025	BNA_M	<u>BM050128.D</u>
Compound Name	Response	Retention Time
DDT	1909705	20.621
DDD	35773	20.186
DDE	4017	19.674
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
39790	1949495	2.04

Instrument :
BNA_M
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050128.D
Acq On : 07 May 2025 09:17
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: May 07 11:57:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



TIC: BM050128.D\data.ms

(70) Pentachlorophenol (C)

16.809min (-0.012) 191312.72 ng

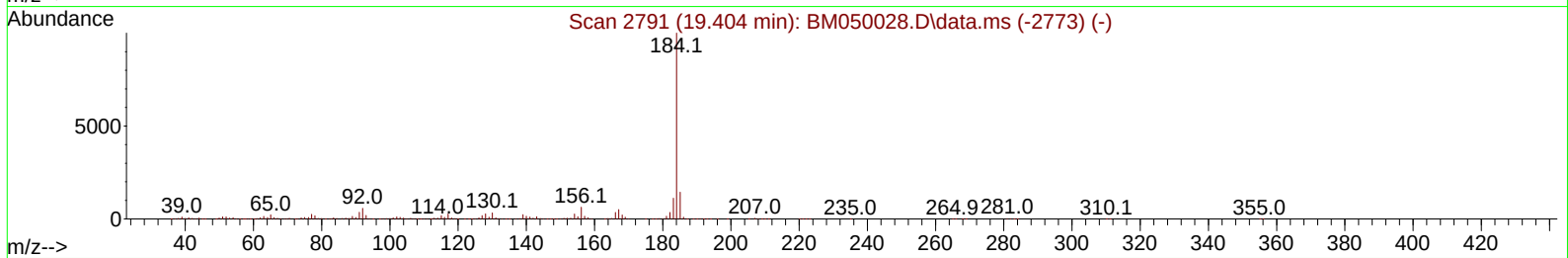
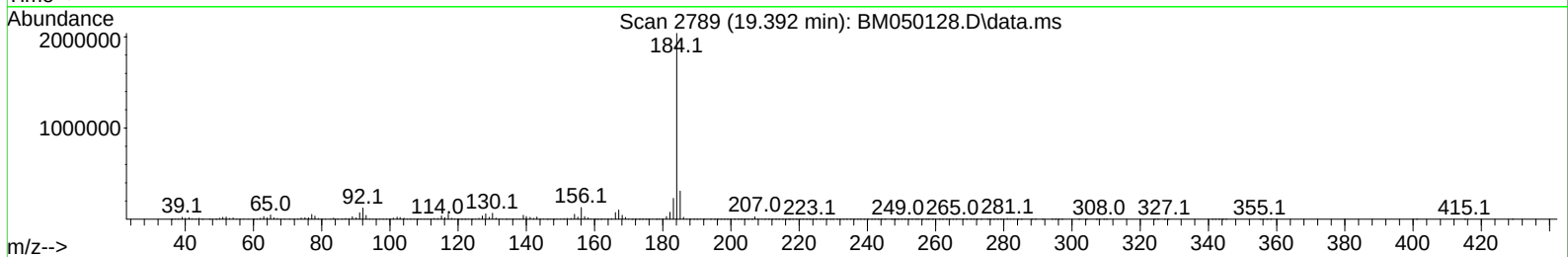
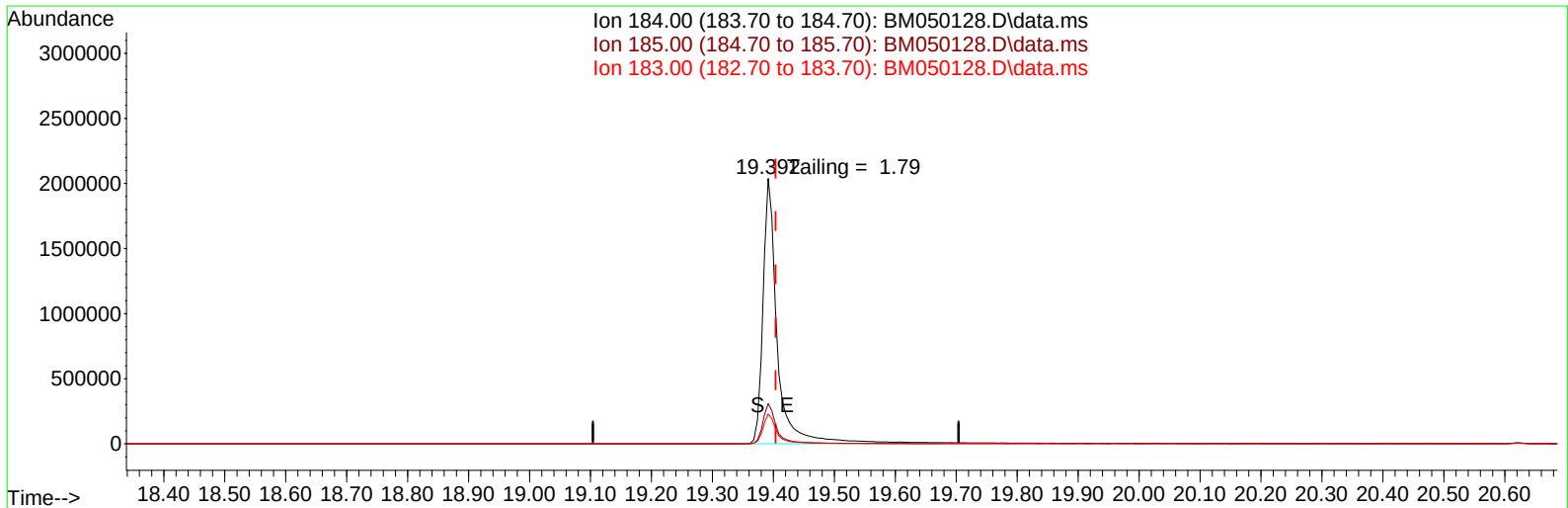
response 680000

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.00	62.98
264.00	62.00	63.53
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050128.D
Acq On : 07 May 2025 09:17
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: May 07 11:57:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



TIC: BM050128.D\data.ms

(77) Benzidine**19.392min (-0.012) 51539.94 ng****response 3372211**

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	15.17
183.00	11.10	11.22
0.00	0.00	0.00

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	
Project:	Stan Hope	Date Received:	
Client Sample ID:	PB167857BL	SDG No.:	Q1938
Lab Sample ID:	PB167857BL	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
BM050113.D	1	05/05/25 09:35	05/06/25 10:42	PB167857

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	160	U	160	330	ug/Kg
108-95-2	Phenol	22.1	U	22.1	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	24.3	U	24.3	170	ug/Kg
95-57-8	2-Chlorophenol	24.4	U	24.4	170	ug/Kg
95-48-7	2-Methylphenol	29.9	U	29.9	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	37.5	U	37.5	170	ug/Kg
98-86-2	Acetophenone	29.5	U	29.5	170	ug/Kg
65794-96-9	3+4-Methylphenols	41.1	U	41.1	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	47.4	U	47.4	80.0	ug/Kg
67-72-1	Hexachloroethane	17.6	U	17.6	170	ug/Kg
98-95-3	Nitrobenzene	18.3	U	18.3	170	ug/Kg
78-59-1	Isophorone	32.8	U	32.8	170	ug/Kg
88-75-5	2-Nitrophenol	58.2	U	58.2	170	ug/Kg
105-67-9	2,4-Dimethylphenol	64.8	U	64.8	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	30.8	U	30.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	28.3	U	28.3	170	ug/Kg
91-20-3	Naphthalene	22.7	U	22.7	170	ug/Kg
106-47-8	4-Chloroaniline	35.4	U	35.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	25.3	U	25.3	170	ug/Kg
105-60-2	Caprolactam	52.1	U	52.1	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	28.7	U	28.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	25.6	U	25.6	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	120	U	120	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	19.8	U	19.8	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	29.1	U	29.1	170	ug/Kg
92-52-4	1,1-Biphenyl	21.8	U	21.8	170	ug/Kg
91-58-7	2-Chloronaphthalene	22.5	U	22.5	170	ug/Kg
88-74-4	2-Nitroaniline	48.1	U	48.1	170	ug/Kg
131-11-3	Dimethylphthalate	27.1	U	27.1	170	ug/Kg

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	
Project:	Stan Hope	Date Received:	
Client Sample ID:	PB167857BL	SDG No.:	Q1938
Lab Sample ID:	PB167857BL	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
BM050113.D	1	05/05/25 09:35	05/06/25 10:42	PB167857

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	28.9	U	28.9	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	33.6	U	33.6	170	ug/Kg
99-09-2	3-Nitroaniline	46.0	U	46.0	170	ug/Kg
83-32-9	Acenaphthene	21.3	U	21.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	230	U	230	330	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	330	ug/Kg
132-64-9	Dibenzofuran	22.7	U	22.7	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	50.1	U	50.1	170	ug/Kg
84-66-2	Diethylphthalate	28.3	U	28.3	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	26.7	U	26.7	170	ug/Kg
86-73-7	Fluorene	25.3	U	25.3	170	ug/Kg
100-01-6	4-Nitroaniline	64.2	U	64.2	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	100	U	100	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	32.9	U	32.9	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	27.8	U	27.8	170	ug/Kg
118-74-1	Hexachlorobenzene	25.3	U	25.3	170	ug/Kg
1912-24-9	Atrazine	34.0	U	34.0	170	ug/Kg
87-86-5	Pentachlorophenol	51.3	U	51.3	330	ug/Kg
85-01-8	Phenanthrene	20.9	U	20.9	170	ug/Kg
120-12-7	Anthracene	33.3	U	33.3	170	ug/Kg
86-74-8	Carbazole	31.2	U	31.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	47.9	U	47.9	170	ug/Kg
206-44-0	Fluoranthene	30.0	U	30.0	170	ug/Kg
129-00-0	Pyrene	36.0	U	36.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	71.4	U	71.4	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	36.7	U	36.7	330	ug/Kg
56-55-3	Benzo(a)anthracene	23.0	U	23.0	170	ug/Kg
218-01-9	Chrysene	19.9	U	19.9	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	59.2	U	59.2	170	ug/Kg
117-84-0	Di-n-octyl phthalate	86.8	U	86.8	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	19.0	U	19.0	170	ug/Kg

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	
Project:	Stan Hope	Date Received:	
Client Sample ID:	PB167857BL	SDG No.:	Q1938
Lab Sample ID:	PB167857BL	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
BM050113.D	1	05/05/25 09:35	05/06/25 10:42	PB167857

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	22.4	U	22.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	29.5	U	29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	29.1	U	29.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	27.4	U	27.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	25.7	U	25.7	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	25.6	U	25.6	170	ug/Kg
123-91-1	1,4-Dioxane	45.2	U	45.2	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	27.4	U	27.4	170	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	137		30 (18) - 130 (112)	91%	SPK: 150
13127-88-3	Phenol-d6	129		30 (15) - 130 (107)	86%	SPK: 150
4165-60-0	Nitrobenzene-d5	79.6		30 (18) - 130 (107)	80%	SPK: 100
321-60-8	2-Fluorobiphenyl	79.0		30 (20) - 130 (109)	79%	SPK: 100
118-79-6	2,4,6-Tribromophenol	137		30 (10) - 130 (116)	91%	SPK: 150
1718-51-0	Terphenyl-d14	91.2		30 (10) - 130 (105)	91%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	236000	7.745
1146-65-2	Naphthalene-d8	822000	10.539
15067-26-2	Acenaphthene-d10	526000	14.398
1517-22-2	Phenanthrene-d10	1050000	17.145
1719-03-5	Chrysene-d12	965000	21.386
1520-96-3	Perylene-d12	1050000	24.38

TENTATIVE IDENTIFIED COMPOUNDS

000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	260	A	4.87	ug/Kg



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

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.		Date Collected:	
Project:	Stan Hope		Date Received:	
Client Sample ID:	PB167857BL		SDG No.:	Q1938
Lab Sample ID:	PB167857BL		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
BM050113.D	1	05/05/25 09:35	05/06/25 10:42	PB167857

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
Data File : BM050113.D
Acq On : 06 May 2025 10:42
Operator : RC/JU
Sample : PB167857BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167857BL

Quant Time: May 06 11:39:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.745	152	235907	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	822298	20.000	ng	-0.02
39) Acenaphthene-d10	14.398	164	526225	20.000	ng	-0.01
64) Phenanthrene-d10	17.145	188	1048322	20.000	ng	-0.01
76) Chrysene-d12	21.386	240	965231	20.000	ng	-0.01
86) Perylene-d12	24.380	264	1050730	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1845158	136.961	ng	-0.02
7) Phenol-d6	6.934	99	2182597	128.898	ng	-0.02
23) Nitrobenzene-d5	8.904	82	1328516	79.612	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	1062710	136.579	ng	-0.01
45) 2-Fluorobiphenyl	13.010	172	3514426	79.006	ng	-0.02
79) Terphenyl-d14	19.768	244	5945797	91.152	ng	-0.01

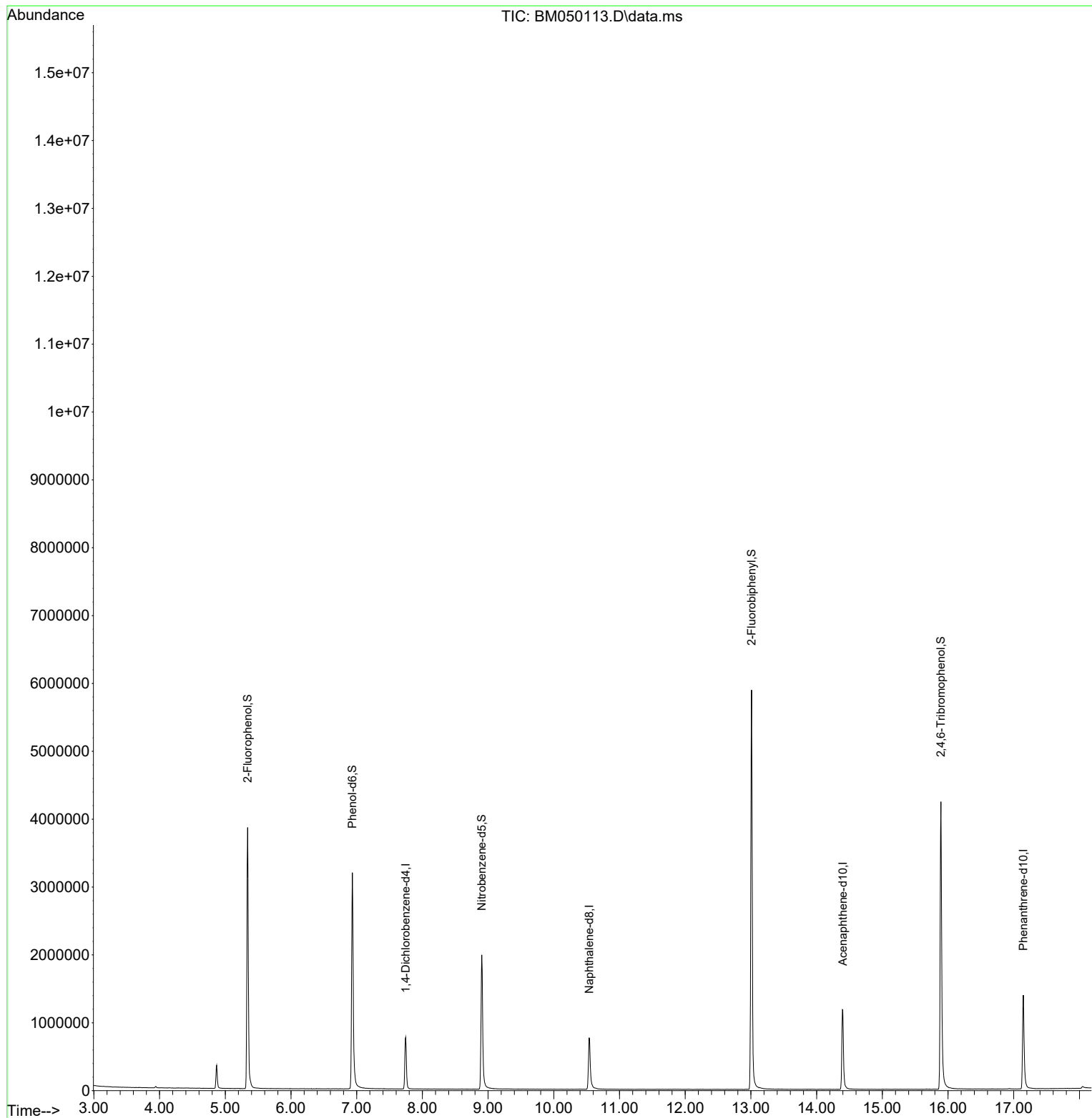
Target Compounds	Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
Data File : BM050113.D
Acq On : 06 May 2025 10:42
Operator : RC/JU
Sample : PB167857BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167857BL

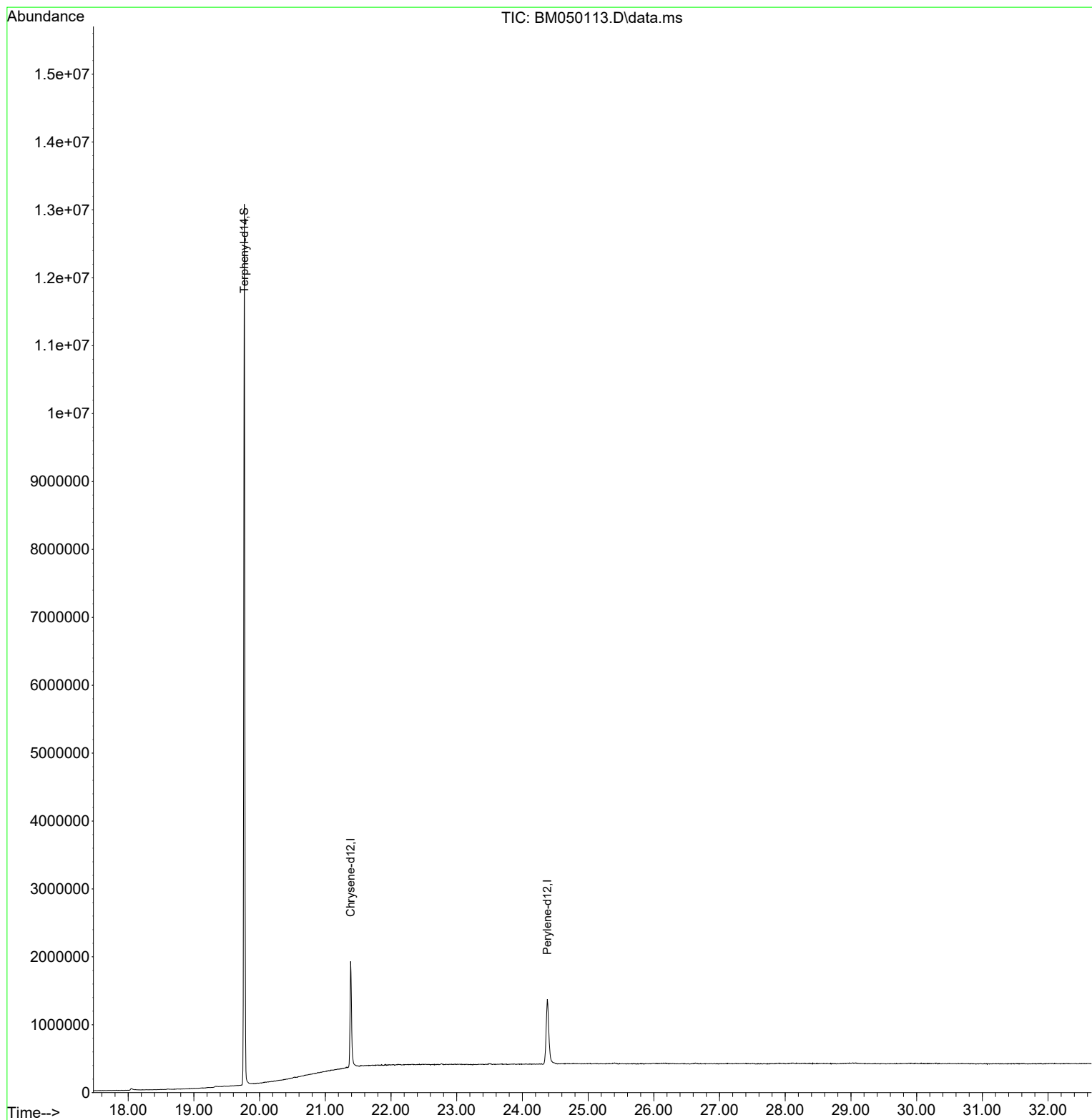
Quant Time: May 06 11:39:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

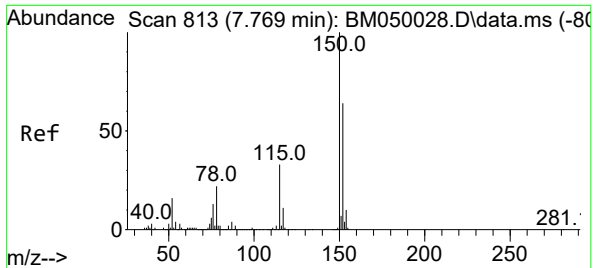


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
Data File : BM050113.D
Acq On : 06 May 2025 10:42
Operator : RC/JU
Sample : PB167857BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167857BL

Quant Time: May 06 11:39:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

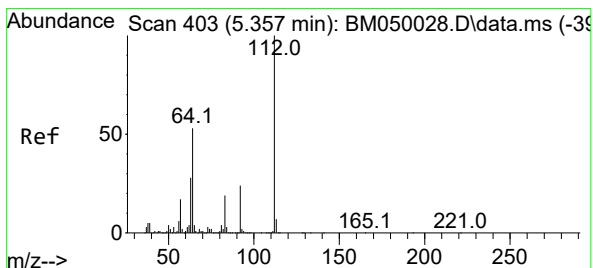
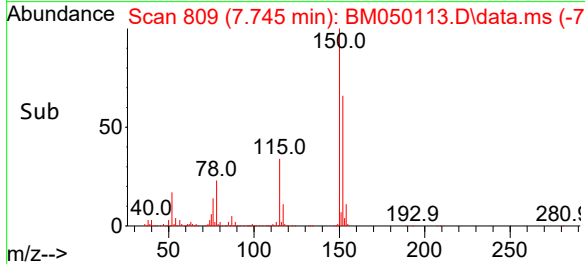
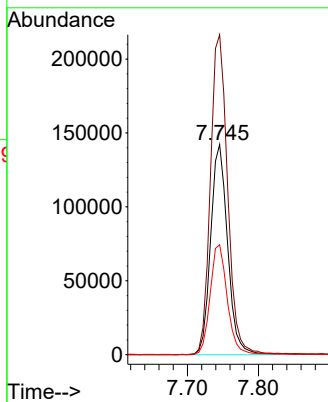
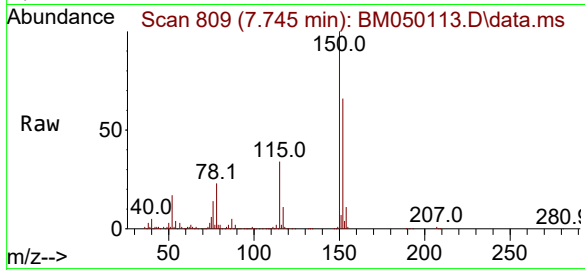




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.745 min Scan# 809
Delta R.T. -0.024 min
Lab File: BM050113.D
Acq: 06 May 2025 10:42

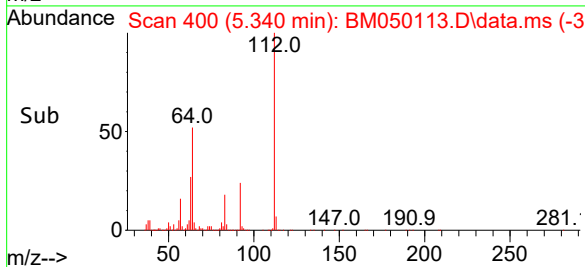
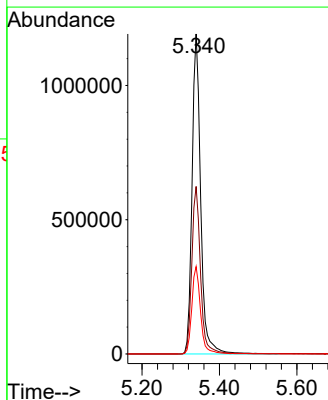
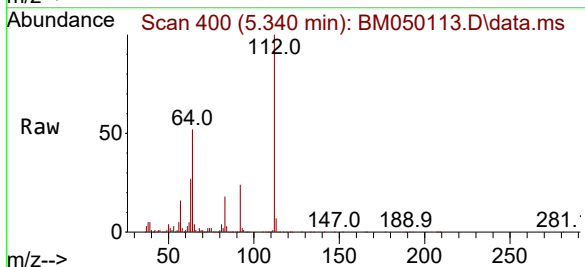
Instrument :
BNA_M
ClientSampleId :
PB167857BL

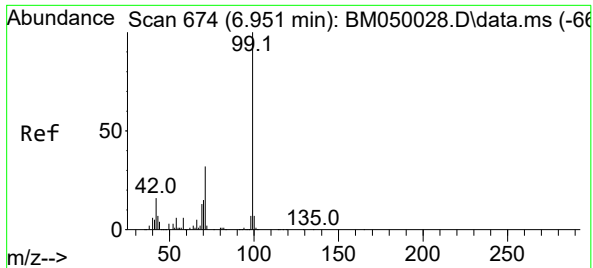
Tgt Ion:152 Resp: 235907
Ion Ratio Lower Upper
152 100
150 152.3 124.1 186.1
115 52.3 41.2 61.8



#5
2-Fluorophenol
Concen: 136.961 ng
RT: 5.340 min Scan# 400
Delta R.T. -0.018 min
Lab File: BM050113.D
Acq: 06 May 2025 10:42

Tgt Ion:112 Resp: 1845158
Ion Ratio Lower Upper
112 100
64 52.3 42.6 64.0
63 27.3 22.2 33.4

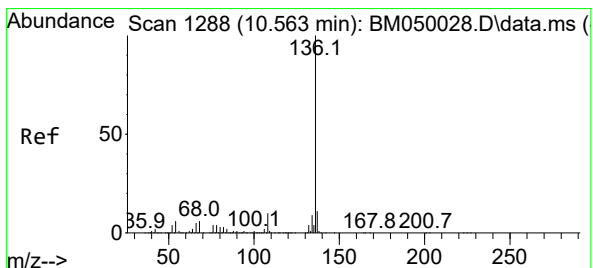
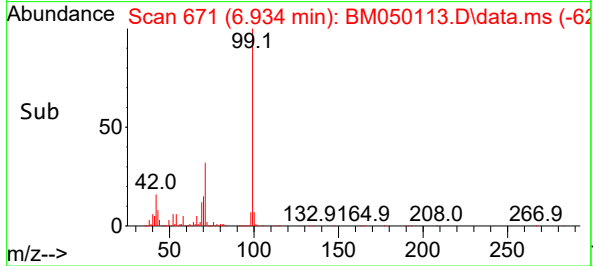
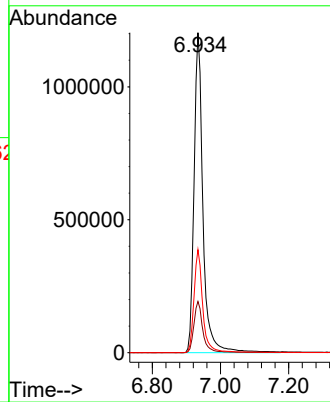
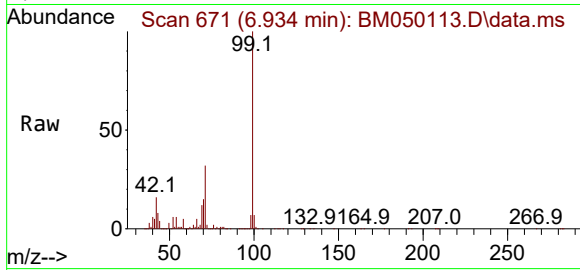




#7
Phenol-d6
Concen: 128.898 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM050113.D
Acq: 06 May 2025 10:42

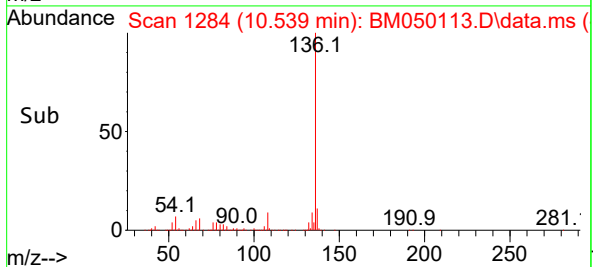
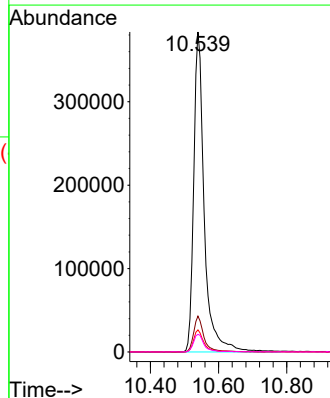
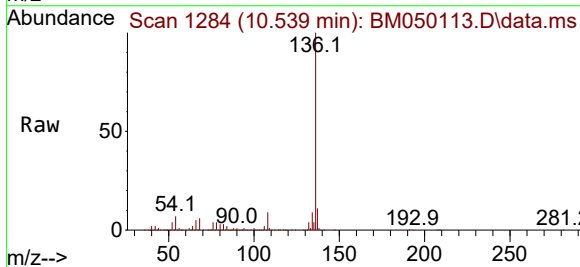
Instrument :
BNA_M
ClientSampleId :
PB167857BL

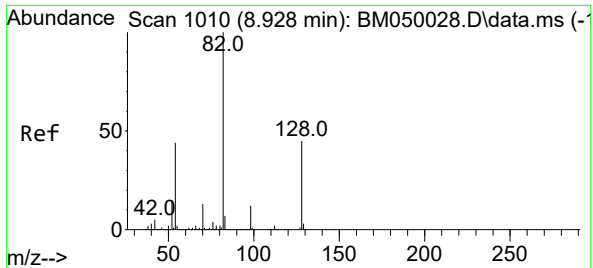
Tgt Ion: 99 Resp: 2182597
Ion Ratio Lower Upper
99 100
42 16.0 13.0 19.4
71 32.2 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 1284
Delta R.T. -0.024 min
Lab File: BM050113.D
Acq: 06 May 2025 10:42

Tgt Ion: 136 Resp: 822298
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 6.9 5.1 7.7
68 5.5 4.4 6.6





#23

Nitrobenzene-d5

Concen: 79.612 ng

RT: 8.904 min Scan# 1006

Delta R.T. -0.024 min

Lab File: BM050113.D

Acq: 06 May 2025 10:42

Instrument :

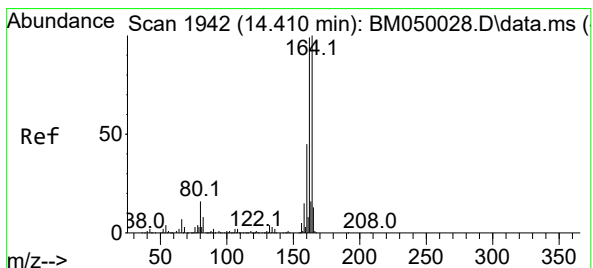
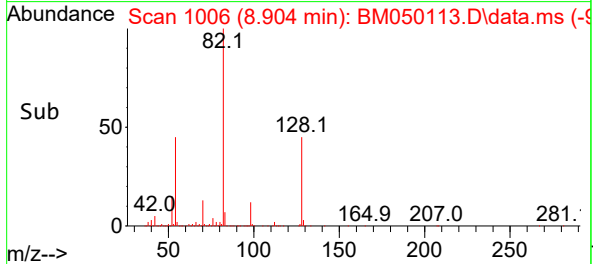
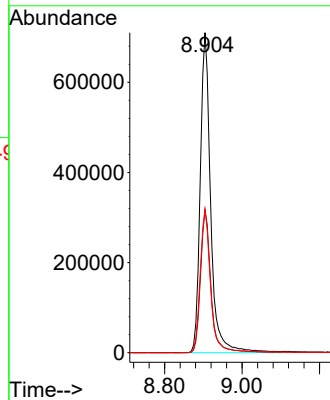
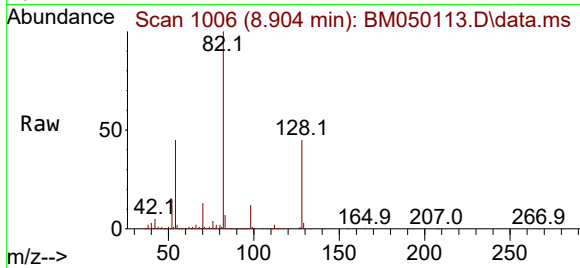
BNA_M

ClientSampleId :

PB167857BL

Tgt Ion: 82 Resp: 1328516

Ion	Ratio	Lower	Upper
82	100		
128	44.6	35.7	53.5
54	44.8	35.4	53.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.398 min Scan# 1940

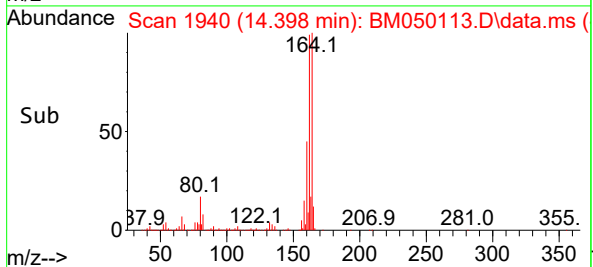
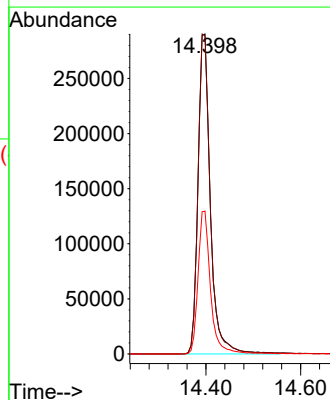
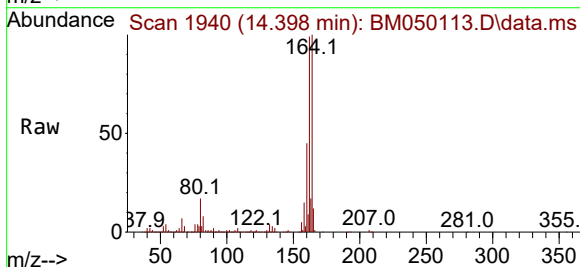
Delta R.T. -0.012 min

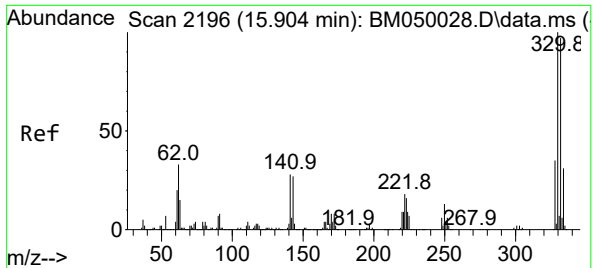
Lab File: BM050113.D

Acq: 06 May 2025 10:42

Tgt Ion: 164 Resp: 526225

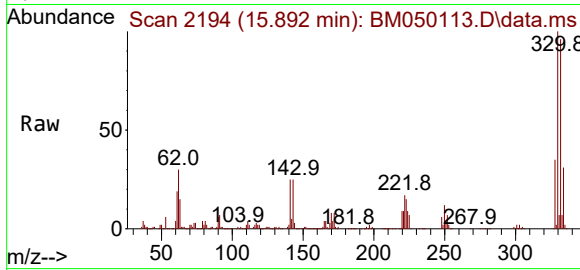
Ion	Ratio	Lower	Upper
164	100		
162	99.4	79.4	119.0
160	44.7	36.2	54.4



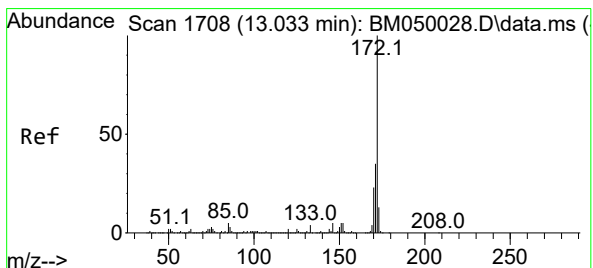
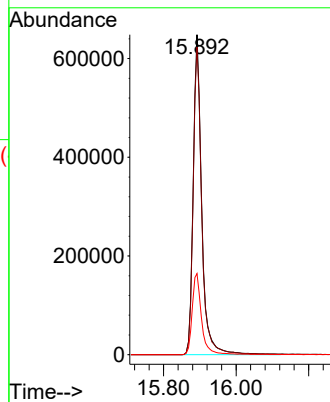
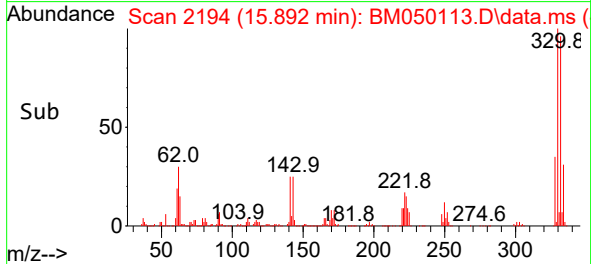


#42
2,4,6-Tribromophenol
Concen: 136.579 ng
RT: 15.892 min Scan# 2194
Delta R.T. -0.012 min
Lab File: BM050113.D
Acq: 06 May 2025 10:42

Instrument :
BNA_M
ClientSampleId :
PB167857BL

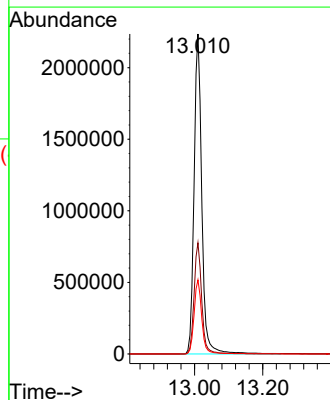
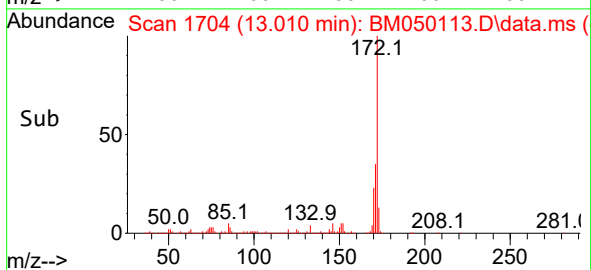
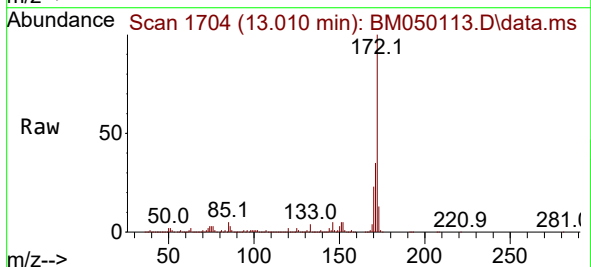


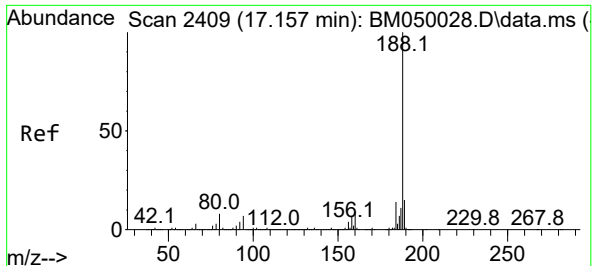
Tgt Ion:330 Resp: 1062710
Ion Ratio Lower Upper
330 100
332 97.1 77.3 115.9
141 27.7 22.5 33.7



#45
2-Fluorobiphenyl
Concen: 79.006 ng
RT: 13.010 min Scan# 1704
Delta R.T. -0.024 min
Lab File: BM050113.D
Acq: 06 May 2025 10:42

Tgt Ion:172 Resp: 3514426
Ion Ratio Lower Upper
172 100
171 34.7 27.8 41.6
170 23.1 18.6 28.0

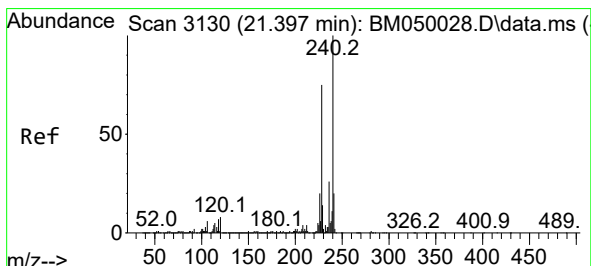
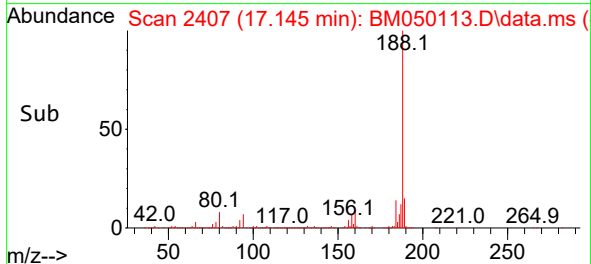
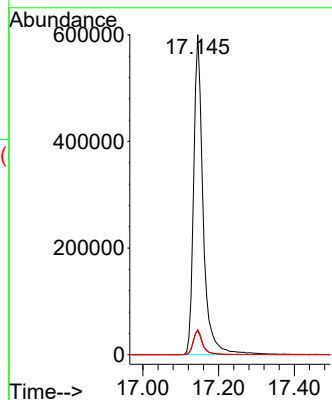
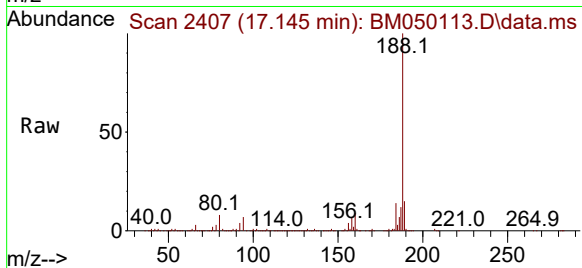




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.145 min Scan# 24
Delta R.T. -0.012 min
Lab File: BM050113.D
Acq: 06 May 2025 10:42

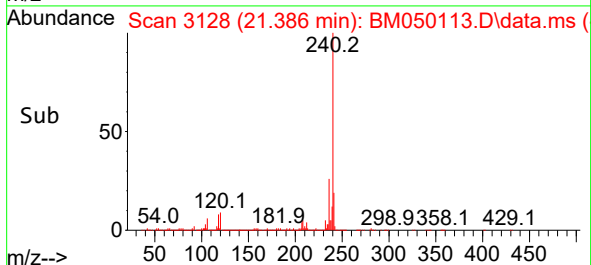
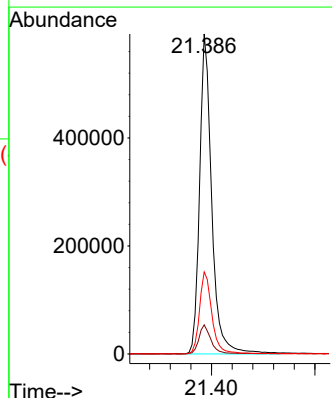
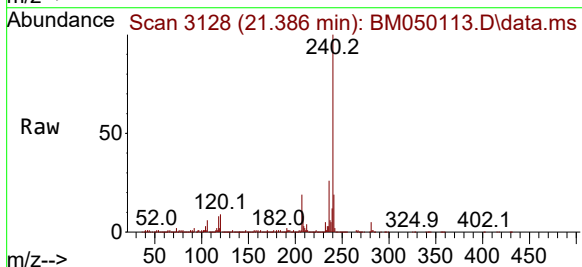
Instrument :
BNA_M
ClientSampleId :
PB167857BL

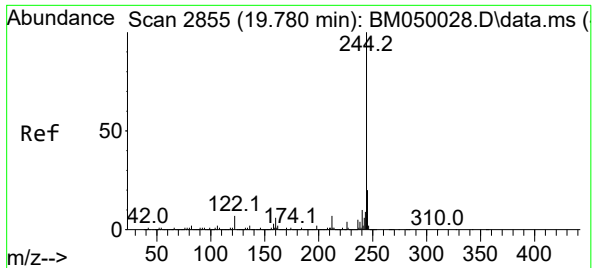
Tgt Ion:188 Resp: 1048322
Ion Ratio Lower Upper
188 100
94 7.3 5.7 8.5
80 7.8 6.2 9.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.386 min Scan# 3128
Delta R.T. -0.011 min
Lab File: BM050113.D
Acq: 06 May 2025 10:42

Tgt Ion:240 Resp: 965231
Ion Ratio Lower Upper
240 100
120 9.1 6.5 9.7
236 25.7 20.9 31.3

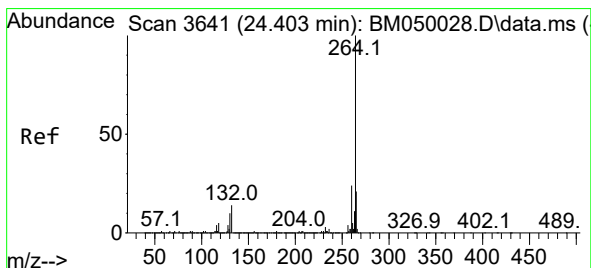
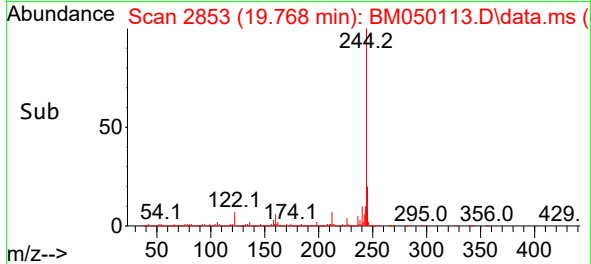
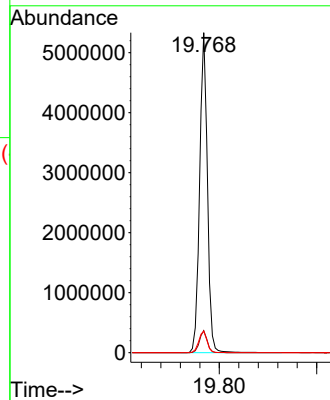
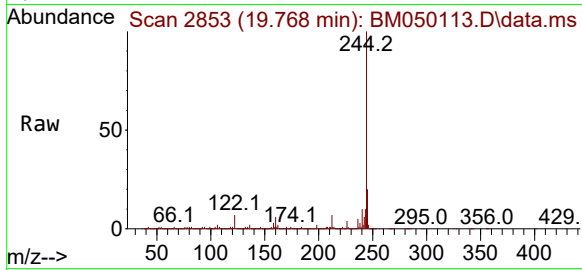




#79
 Terphenyl-d14
 Concen: 91.152 ng
 RT: 19.768 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM050113.D
 Acq: 06 May 2025 10:42

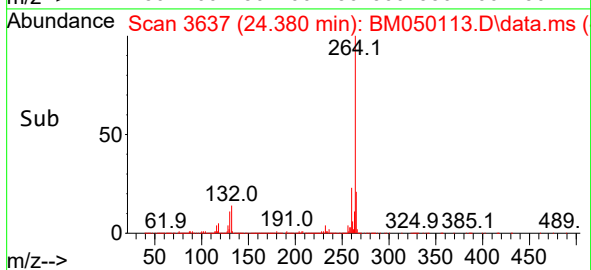
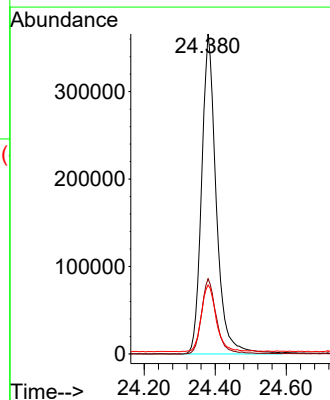
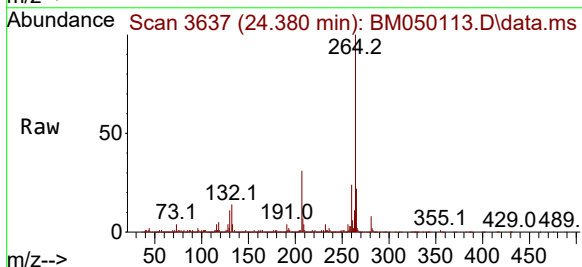
Instrument :
 BNA_M
 ClientSampleId :
 PB167857BL

Tgt Ion:244 Resp: 5945797
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.6 8.4
 122 6.7 5.6 8.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.380 min Scan# 3637
 Delta R.T. -0.024 min
 Lab File: BM050113.D
 Acq: 06 May 2025 10:42

Tgt Ion:264 Resp: 1050730
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.8 28.2
 265 21.6 17.0 25.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
Data File : BM050113.D
Acq On : 06 May 2025 10:42
Operator : RC/JU
Sample : PB167857BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167857BL

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM050113.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.869	315	320	336	rVB	338522	500884	3.40%	0.835%
2	5.340	393	400	428	rBV	3849087	6016566	40.80%	10.025%
3	6.934	664	671	692	rBV	3180604	5738892	38.92%	9.563%
4	7.745	802	809	820	rBV	760874	1279627	8.68%	2.132%
5	8.904	998	1006	1027	rBV	1980486	3737496	25.34%	6.228%
6	10.539	1275	1284	1307	rBV	759469	1614071	10.95%	2.689%
7	13.010	1697	1704	1723	rBV	5883248	9281197	62.94%	15.465%
8	14.392	1931	1939	1954	rBV	1177293	2136367	14.49%	3.560%
9	15.892	2187	2194	2217	rBV	4235441	7254612	49.19%	12.088%
10	17.145	2400	2407	2441	rBV	1381492	2473368	16.77%	4.121%
11	19.768	2847	2853	2869	rBV	12972436	14746731	100.00%	24.572%
12	21.386	3123	3128	3143	rBV	1552051	2542649	17.24%	4.237%
13	24.380	3629	3637	3659	rVB	950149	2691616	18.25%	4.485%

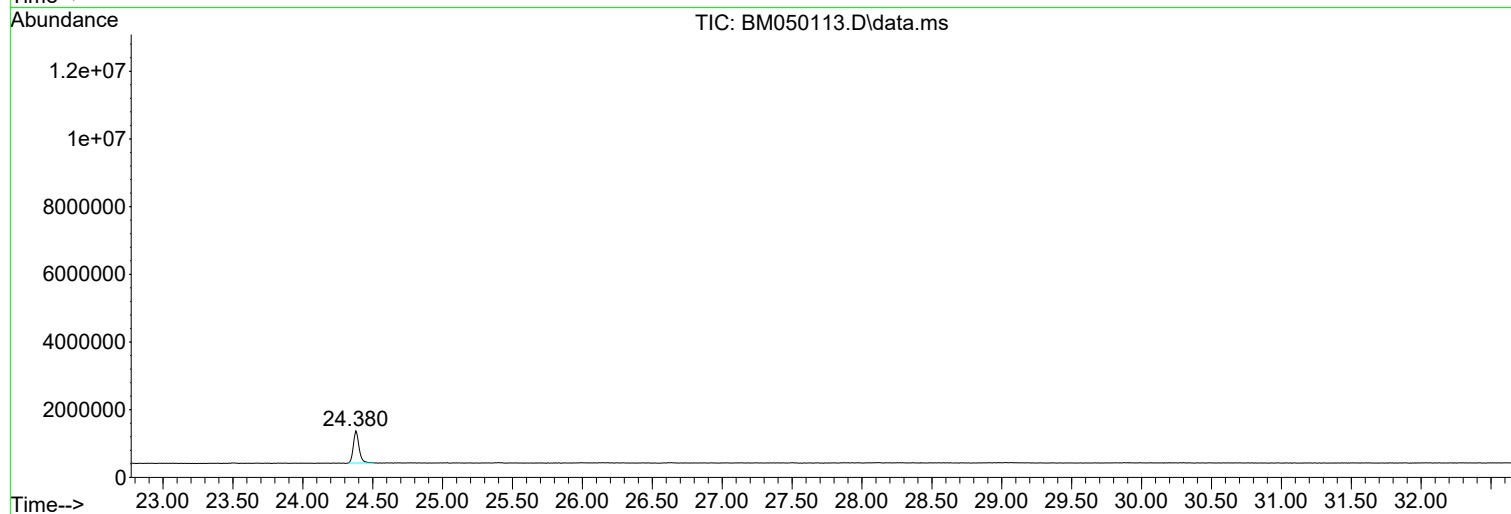
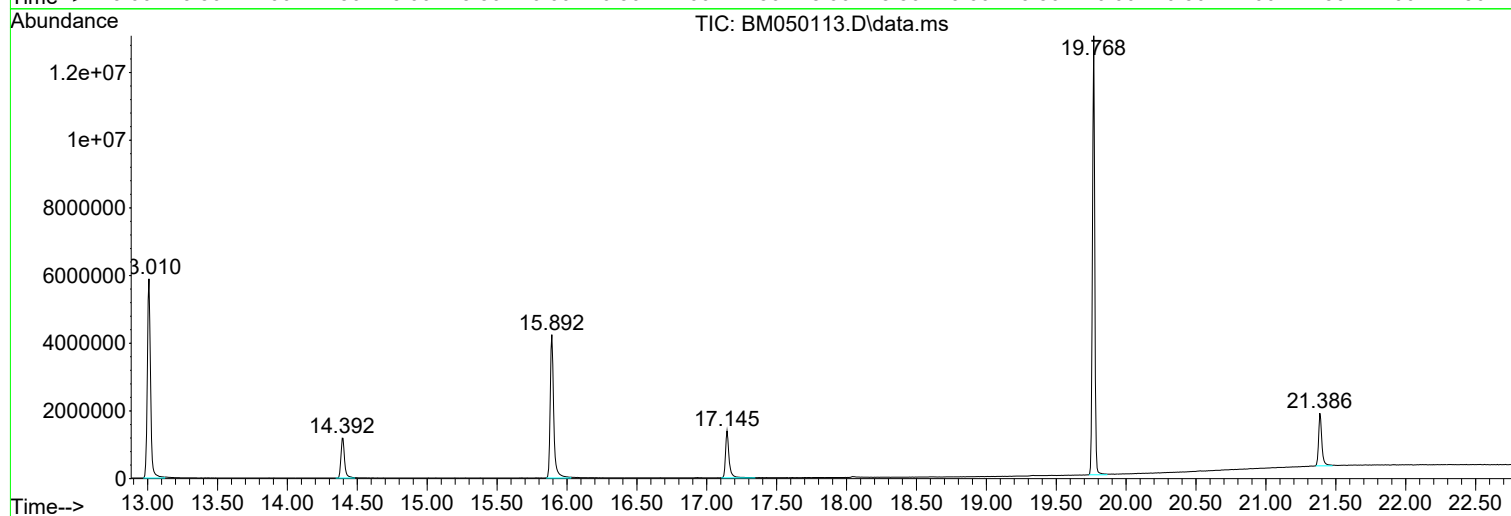
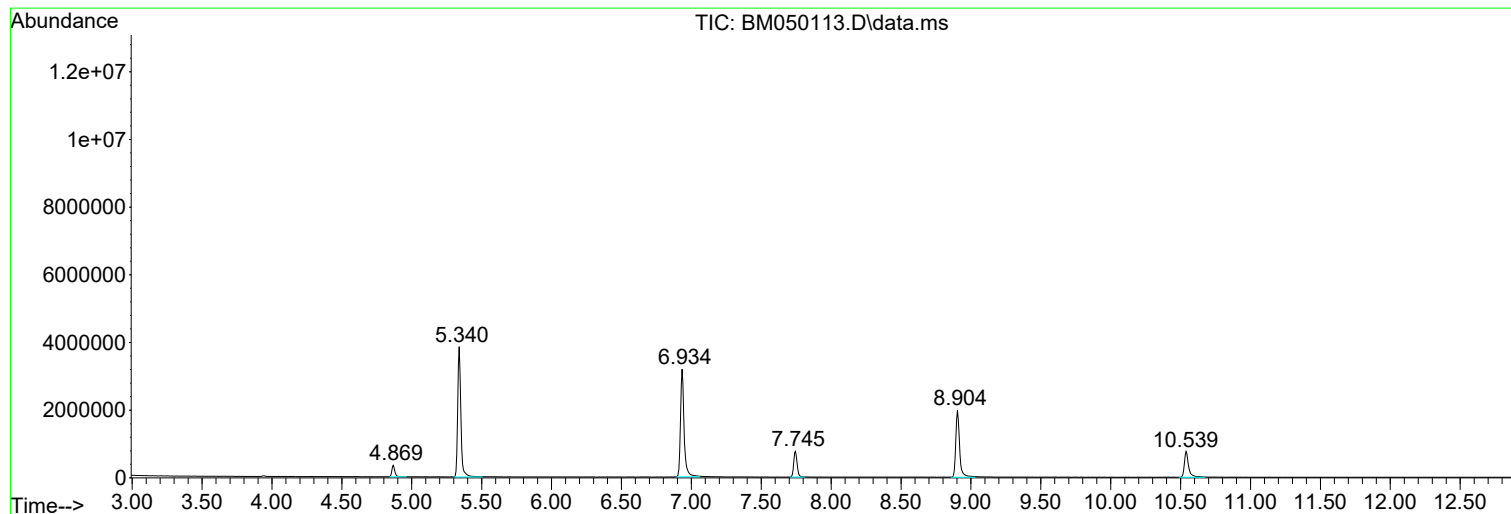
Sum of corrected areas: 60014076

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
Data File : BM050113.D
Acq On : 06 May 2025 10:42
Operator : RC/JU
Sample : PB167857BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167857BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
Data File : BM050113.D
Acq On : 06 May 2025 10:42
Operator : RC/JU
Sample : PB167857BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167857BL

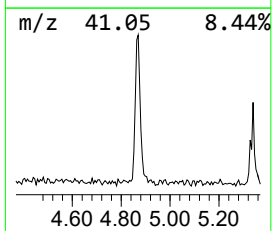
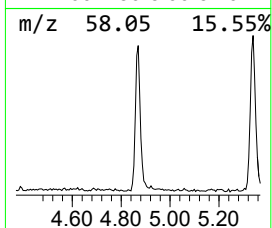
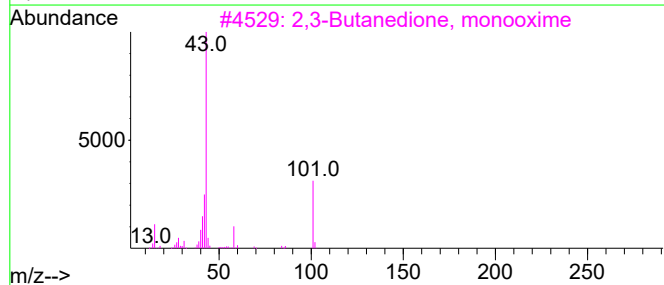
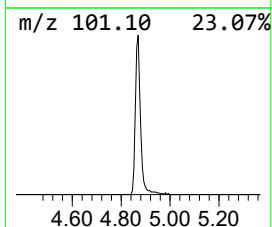
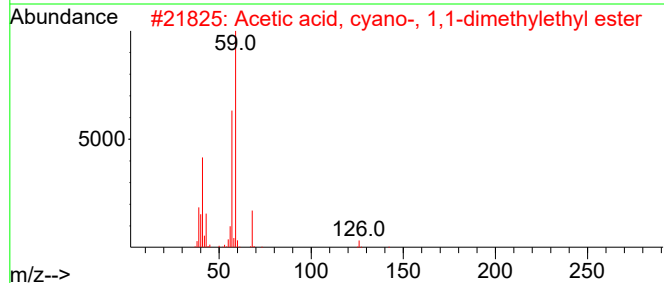
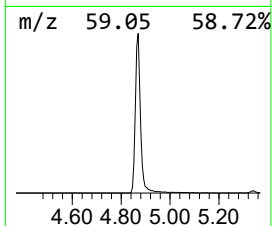
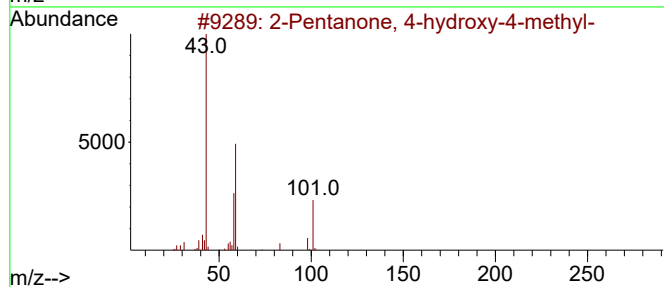
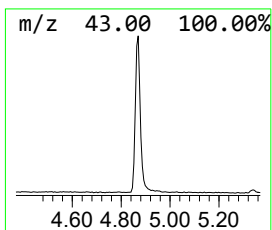
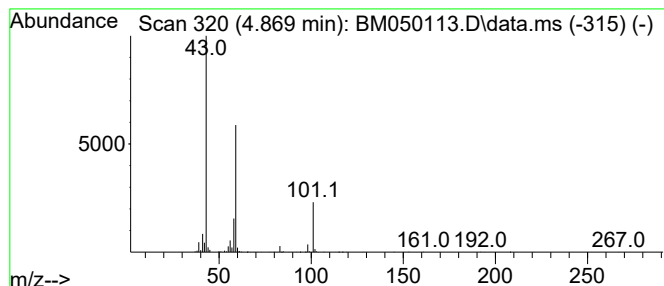
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.
4.869	7.83 ng	500884	1,4-Dichlorobenzene-d4	7.745

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64		
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17		
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17		
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9		
5	(+)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9		



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
Data File : BM050113.D
Acq On : 06 May 2025 10:42
Operator : RC/JU
Sample : PB167857BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167857BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-...	4.869	7.8	ng	500884	1	7.745	1279630	20.0

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	
Project:	Stan Hope	Date Received:	
Client Sample ID:	PB167857BS	SDG No.:	Q1938
Lab Sample ID:	PB167857BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050114.D	1	05/05/25 09:35	05/06/25 11:21	PB167857

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	750		160	330	ug/Kg
108-95-2	Phenol	1400		22.1	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1300		24.3	170	ug/Kg
95-57-8	2-Chlorophenol	1400		24.4	170	ug/Kg
95-48-7	2-Methylphenol	1300		29.9	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1300		37.5	170	ug/Kg
98-86-2	Acetophenone	1300		29.5	170	ug/Kg
65794-96-9	3+4-Methylphenols	1300		41.1	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1300		47.4	79.9	ug/Kg
67-72-1	Hexachloroethane	1300		17.6	170	ug/Kg
98-95-3	Nitrobenzene	1300		18.3	170	ug/Kg
78-59-1	Isophorone	1300		32.8	170	ug/Kg
88-75-5	2-Nitrophenol	1400		58.1	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1400		64.7	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1300		30.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1400		28.3	170	ug/Kg
91-20-3	Naphthalene	1300		22.7	170	ug/Kg
106-47-8	4-Chloroaniline	1100		35.4	170	ug/Kg
87-68-3	Hexachlorobutadiene	1300		25.3	170	ug/Kg
105-60-2	Caprolactam	1300		52.0	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1300		28.7	170	ug/Kg
91-57-6	2-Methylnaphthalene	1300		25.6	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2900	E	120	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1400		19.8	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1400		29.1	170	ug/Kg
92-52-4	1,1-Biphenyl	1300		21.8	170	ug/Kg
91-58-7	2-Chloronaphthalene	1300		22.5	170	ug/Kg
88-74-4	2-Nitroaniline	1500		48.1	170	ug/Kg
131-11-3	Dimethylphthalate	1300		27.1	170	ug/Kg

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	
Project:	Stan Hope	Date Received:	
Client Sample ID:	PB167857BS	SDG No.:	Q1938
Lab Sample ID:	PB167857BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050114.D	1	05/05/25 09:35	05/06/25 11:21	PB167857

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1300		28.9	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1400		33.6	170	ug/Kg
99-09-2	3-Nitroaniline	1200		46.0	170	ug/Kg
83-32-9	Acenaphthene	1300		21.3	170	ug/Kg
51-28-5	2,4-Dinitrophenol	2700		230	330	ug/Kg
100-02-7	4-Nitrophenol	2700		110	330	ug/Kg
132-64-9	Dibenzofuran	1300		22.7	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1400		50.0	170	ug/Kg
84-66-2	Diethylphthalate	1300		28.3	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1300		26.7	170	ug/Kg
86-73-7	Fluorene	1300		25.3	170	ug/Kg
100-01-6	4-Nitroaniline	1500		64.1	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1400		100	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1400		32.9	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1400		27.8	170	ug/Kg
118-74-1	Hexachlorobenzene	1400		25.3	170	ug/Kg
1912-24-9	Atrazine	1400		34.0	170	ug/Kg
87-86-5	Pentachlorophenol	3100	E	51.2	330	ug/Kg
85-01-8	Phenanthrene	1400		20.9	170	ug/Kg
120-12-7	Anthracene	1400		33.3	170	ug/Kg
86-74-8	Carbazole	1400		31.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	1400		47.9	170	ug/Kg
206-44-0	Fluoranthene	1400		30.0	170	ug/Kg
129-00-0	Pyrene	1400		36.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	1400		71.3	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1100		36.7	330	ug/Kg
56-55-3	Benzo(a)anthracene	1400		23.0	170	ug/Kg
218-01-9	Chrysene	1400		19.9	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1400		59.1	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1400		86.7	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1400		19.0	170	ug/Kg

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	
Project:	Stan Hope	Date Received:	
Client Sample ID:	PB167857BS	SDG No.:	Q1938
Lab Sample ID:	PB167857BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050114.D	1	05/05/25 09:35	05/06/25 11:21	PB167857

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1300		22.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	1400		29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1500		29.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1500		27.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		25.7	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1400		25.6	170	ug/Kg
123-91-1	1,4-Dioxane	1100		45.2	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1400		27.4	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	126		30 (18) - 130 (112)	84%	SPK: 150
13127-88-3	Phenol-d6	121		30 (15) - 130 (107)	81%	SPK: 150
4165-60-0	Nitrobenzene-d5	73.3		30 (18) - 130 (107)	73%	SPK: 100
321-60-8	2-Fluorobiphenyl	72.9		30 (20) - 130 (109)	73%	SPK: 100
118-79-6	2,4,6-Tribromophenol	131		30 (10) - 130 (116)	87%	SPK: 150
1718-51-0	Terphenyl-d14	76.4		30 (10) - 130 (105)	76%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	252000	7.745			
1146-65-2	Naphthalene-d8	881000	10.533			
15067-26-2	Acenaphthene-d10	559000	14.392			
1517-22-2	Phenanthrene-d10	1070000	17.139			
1719-03-5	Chrysene-d12	1070000	21.386			
1520-96-3	Perylene-d12	1110000	24.374			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
 Data File : BM050114.D
 Acq On : 06 May 2025 11:21
 Operator : RC/JU
 Sample : PB167857BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB167857BS

Quant Time: May 06 13:04:16 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.745	152	251916	20.000	ng	-0.02
21) Naphthalene-d8	10.533	136	880758	20.000	ng	-0.03
39) Acenaphthene-d10	14.392	164	559090	20.000	ng	-0.02
64) Phenanthrene-d10	17.139	188	1068022	20.000	ng	-0.02
76) Chrysene-d12	21.386	240	1067615	20.000	ng	-0.01
86) Perylene-d12	24.374	264	1110219	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1808154	125.685	ng	-0.02
7) Phenol-d6	6.934	99	2194221	121.350	ng	-0.02
23) Nitrobenzene-d5	8.904	82	1309925	73.287	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	1083363	131.048	ng	-0.01
45) 2-Fluorobiphenyl	13.010	172	3444742	72.888	ng	-0.02
79) Terphenyl-d14	19.768	244	5509327	76.361	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.234	88	199047	32.269	ng	99
3) Pyridine	3.634	79	565333	35.670	ng	96
4) n-Nitrosodimethylamine	3.546	42	244948	39.406	ng	99
6) Aniline	7.075	93	801388	35.098	ng	98
8) 2-Chlorophenol	7.316	128	637424	40.979	ng	98
9) Benzaldehyde	6.892	77	270823	22.381	ng	100
10) Phenol	6.963	94	747544	40.838	ng	97
11) bis(2-Chloroethyl)ether	7.169	93	597431	39.086	ng	100
12) 1,3-Dichlorobenzene	7.634	146	735168	39.126	ng	99
13) 1,4-Dichlorobenzene	7.781	146	745620	39.500	ng	100
14) 1,2-Dichlorobenzene	8.092	146	715845	39.259	ng	98
15) Benzyl Alcohol	7.992	79	498872	39.784	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.269	45	722306	38.876	ng	99
17) 2-Methylphenol	8.204	107	476788	39.539	ng	98
18) Hexachloroethane	8.816	117	264449	39.410	ng	99
19) n-Nitroso-di-n-propyla...	8.551	70	436482	37.638	ng	99
20) 3+4-Methylphenols	8.533	107	643262	39.501	ng	97
22) Acetophenone	8.569	105	862792	39.402	ng	98
24) Nitrobenzene	8.945	77	624497	40.408	ng	99
25) Isophorone	9.475	82	1171263	38.443	ng	99
26) 2-Nitrophenol	9.657	139	331231	41.952	ng	99
27) 2,4-Dimethylphenol	9.727	122	538682	41.141	ng	100
28) bis(2-Chloroethoxy)met...	9.951	93	729831	38.756	ng	99
29) 2,4-Dichlorophenol	10.210	162	604437	41.206	ng	99
30) 1,2,4-Trichlorobenzene	10.404	180	715468	40.034	ng	100
31) Naphthalene	10.586	128	1766653	39.607	ng	100
32) Benzoic acid	9.898	122	347950	41.550	ng	97
33) 4-Chloroaniline	10.710	127	620975	33.966	ng	99
34) Hexachlorobutadiene	10.869	225	456694	40.257	ng	100
35) Caprolactam	11.510	113	169402	39.608	ng	90
36) 4-Chloro-3-methylphenol	11.851	107	545727	40.269	ng	97
37) 2-Methylnaphthalene	12.204	142	1149787	38.449	ng	100
38) 1-Methylnaphthalene	12.427	142	1215114	38.395	ng	99
40) 1,2,4,5-Tetrachloroben...	12.580	216	791499	40.895	ng	99
41) Hexachlorocyclopentadiene	12.557	237	1025596	86.711	ng	98
43) 2,4,6-Trichlorophenol	12.833	196	517394	42.148	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
 Data File : BM050114.D
 Acq On : 06 May 2025 11:21
 Operator : RC/JU
 Sample : PB167857BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB167857BS

Quant Time: May 06 13:04:16 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration

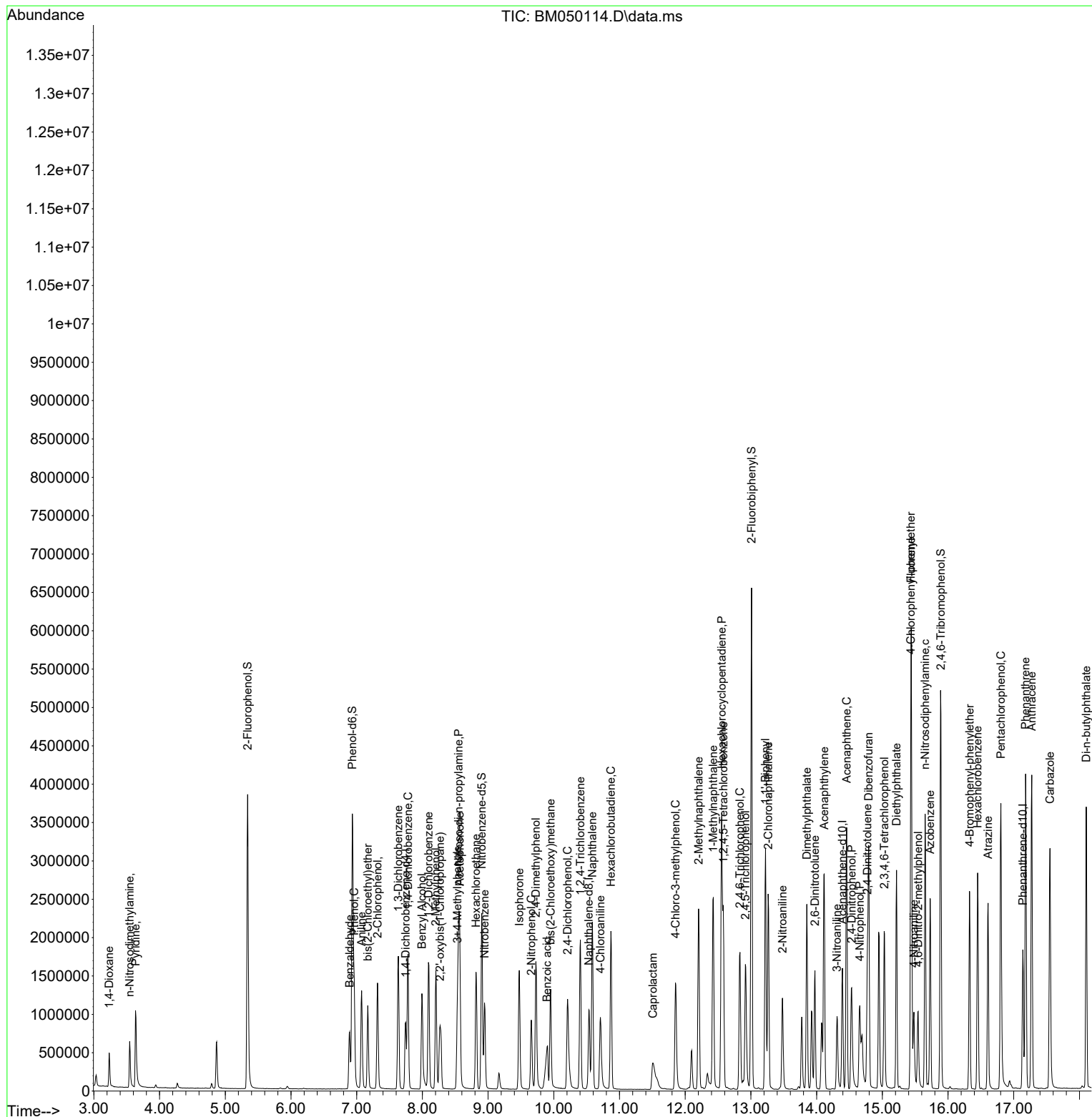
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.916	196	561291	42.402	ng	100
46) 1,1'-Biphenyl	13.221	154	1669025	40.159	ng	99
47) 2-Chloronaphthalene	13.263	162	1327323	40.325	ng	100
48) 2-Nitroaniline	13.480	65	336871	43.606	ng	99
49) Acenaphthylene	14.115	152	2099404	40.453	ng	100
50) Dimethylphthalate	13.851	163	1651210	40.412	ng	100
51) 2,6-Dinitrotoluene	13.974	165	355694	42.046	ng	99
52) Acenaphthene	14.457	154	1203147	40.051	ng	100
53) 3-Nitroaniline	14.310	138	295920	36.639	ng	100
54) 2,4-Dinitrophenol	14.533	184	432668	79.924	ng	99
55) Dibenzofuran	14.792	168	2002230	40.060	ng	99
56) 4-Nitrophenol	14.657	139	522878	79.602	ng	99
57) 2,4-Dinitrotoluene	14.774	165	504155	43.129	ng	98
58) Fluorene	15.439	166	1650055	40.334	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.033	232	466353	40.700	ng	100
60) Diethylphthalate	15.215	149	1540645	40.017	ng	99
61) 4-Chlorophenyl-phenyle...	15.433	204	904684	40.261	ng	98
62) 4-Nitroaniline	15.480	138	341411	43.814	ng	99
63) Azobenzene	15.727	77	1311714	40.653	ng	99
65) 4,6-Dinitro-2-methylph...	15.545	198	284522	42.559	ng	98
66) n-Nitrosodiphenylamine	15.651	169	1389906	42.380	ng	100
67) 4-Bromophenyl-phenylether	16.327	248	536414	41.533	ng	98
68) Hexachlorobenzene	16.451	284	617494	41.477	ng	98
69) Atrazine	16.609	200	497468	42.052	ng	99
70) Pentachlorophenol	16.804	266	779975	93.075	ng	100
71) Phenanthrene	17.180	178	2501885	41.533	ng	100
72) Anthracene	17.274	178	2551141	41.849	ng	99
73) Carbazole	17.551	167	2255638	42.641	ng	99
74) Di-n-butylphthalate	18.103	149	2617615	41.553	ng	100
75) Fluoranthene	19.203	202	2990675	42.287	ng	99
77) Benzidine	19.392	184	1843260	48.606	ng	99
78) Pyrene	19.568	202	3087294	41.180	ng	100
80) Butylbenzylphthalate	20.462	149	1166761	41.552	ng	98
81) Benzo(a)anthracene	21.362	228	3096912	42.124	ng	100
82) 3,3'-Dichlorobenzidine	21.291	252	939990	33.400	ng	99
83) Chrysene	21.427	228	2823801	41.500	ng	99
84) Bis(2-ethylhexyl)phtha...	21.280	149	1719849	41.006	ng	100
85) Di-n-octyl phthalate	22.403	149	2905066	42.000	ng	100
87) Indeno(1,2,3-cd)pyrene	27.762	276	3671518	44.382	ng	100
88) Benzo(b)fluoranthene	23.427	252	3028371	41.944	ng	100
89) Benzo(k)fluoranthene	23.491	252	2949343	40.383	ng	100
90) Benzo(a)pyrene	24.232	252	2856618	42.243	ng	99
91) Dibenzo(a,h)anthracene	27.803	278	2992922	44.383	ng	99
92) Benzo(g,h,i)perylene	28.820	276	2848159	44.117	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\
Data File : BM050114.D
Acq On : 06 May 2025 11:21
Operator : RC/JU
Sample : PB167857BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167857BS

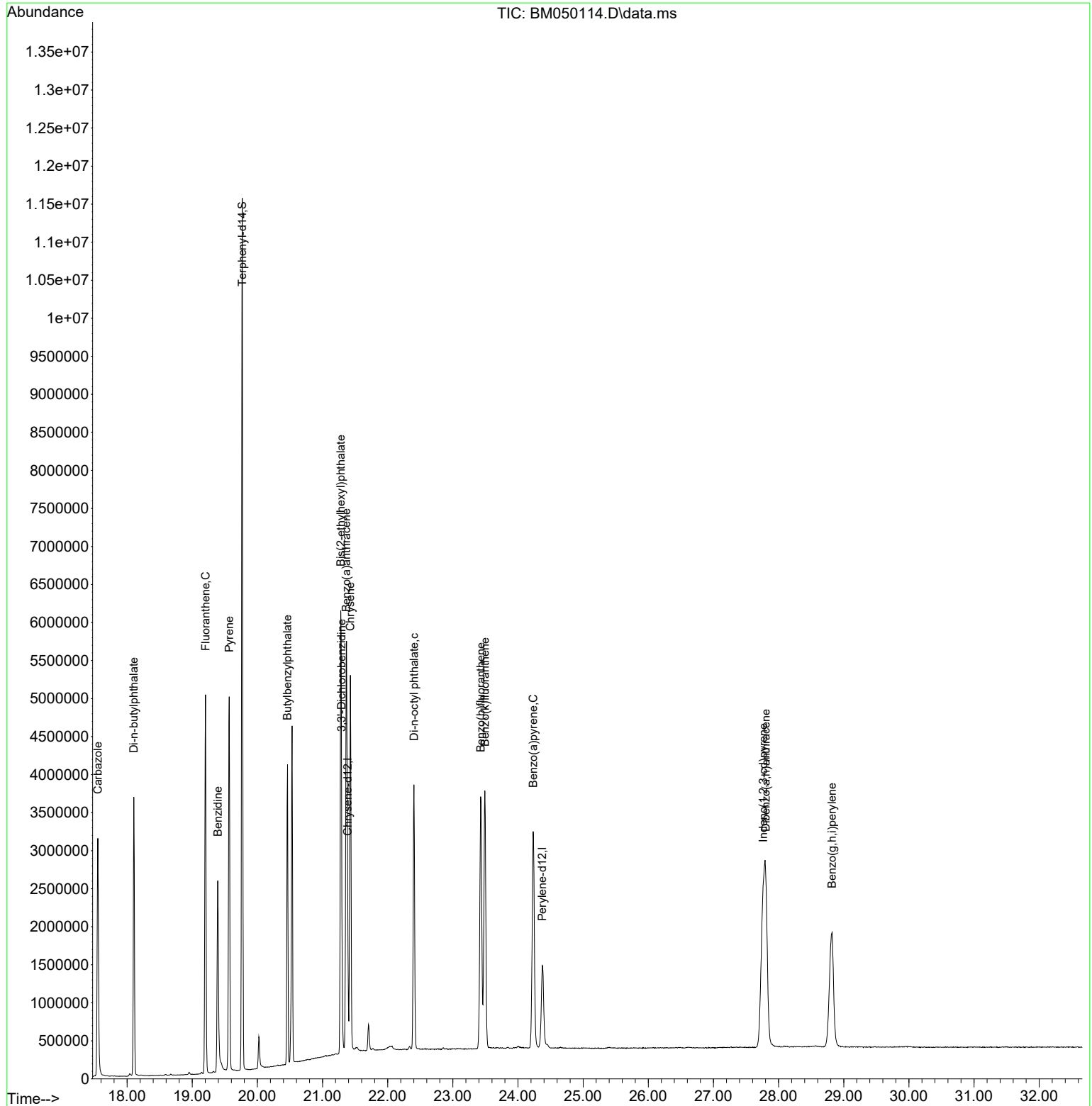
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

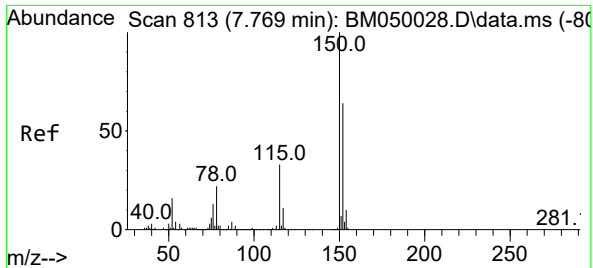


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Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050625\  
Data File : BM050114.D  
Acq On    : 06 May 2025   11:21  
Operator  : RC/JU  
Sample    : PB167857BS  
Misc      :  
ALS Vial  : 4    Sample Multiplier: 1
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Instrument :
BNA_M
ClientSampleId :
PB167857BS

Quant Time: May 06 13:04:16 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

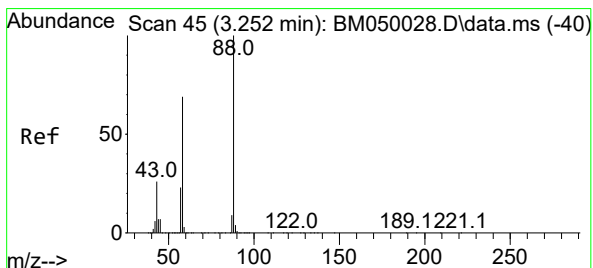
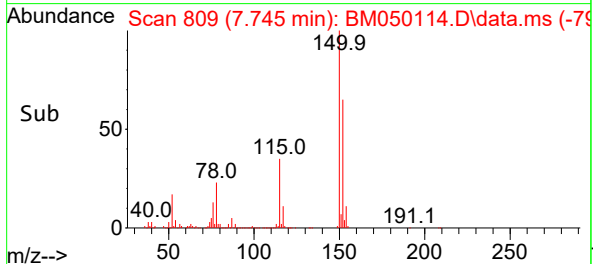
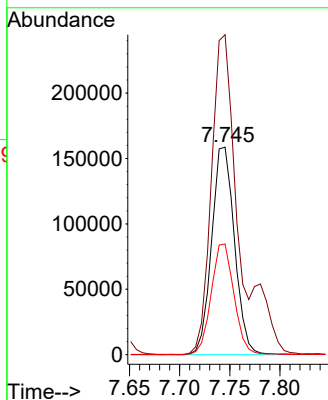
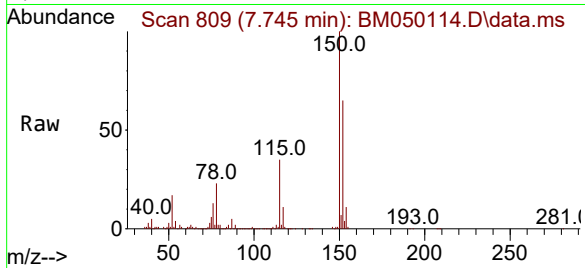




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.745 min Scan# 80
Delta R.T. -0.024 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

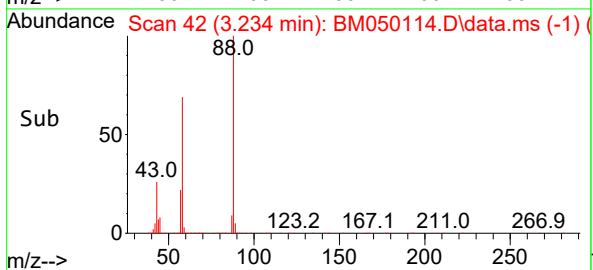
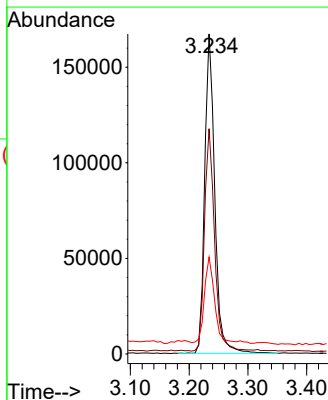
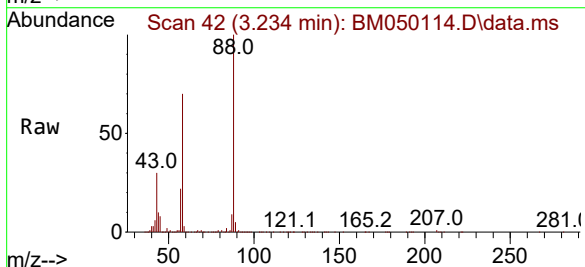
Instrument :
BNA_M
ClientSampleId :
PB167857BS

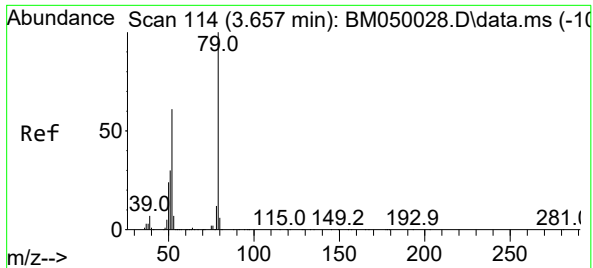
Tgt Ion:152 Resp: 251916
Ion Ratio Lower Upper
152 100
150 154.2 124.1 186.1
115 53.3 41.2 61.8



#2
1,4-Dioxane
Concen: 32.269 ng
RT: 3.234 min Scan# 42
Delta R.T. -0.018 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

Tgt Ion: 88 Resp: 199047
Ion Ratio Lower Upper
88 100
58 69.8 55.1 82.7
43 26.4 20.9 31.3

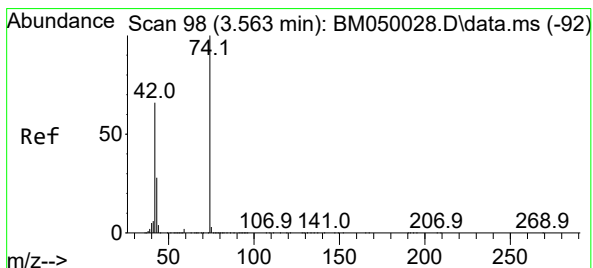
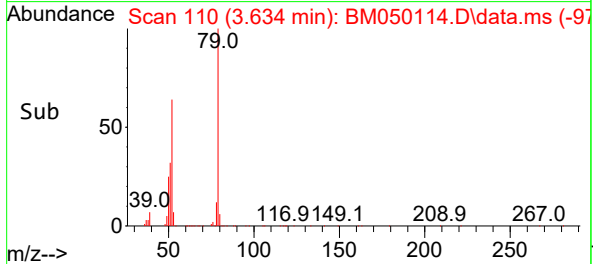
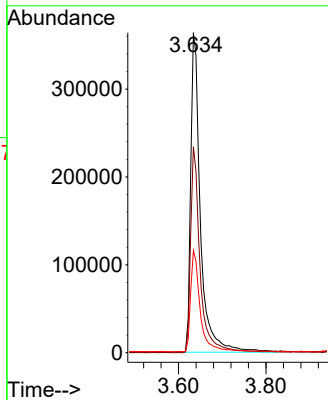
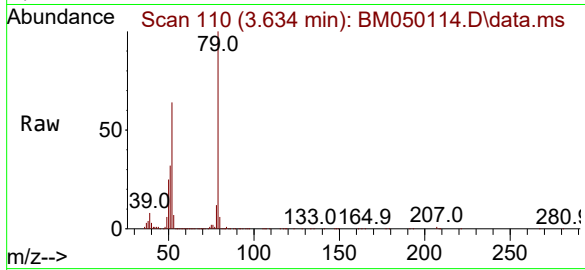




#3
Pyridine
Concen: 35.670 ng
RT: 3.634 min Scan# 11
Delta R.T. -0.024 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

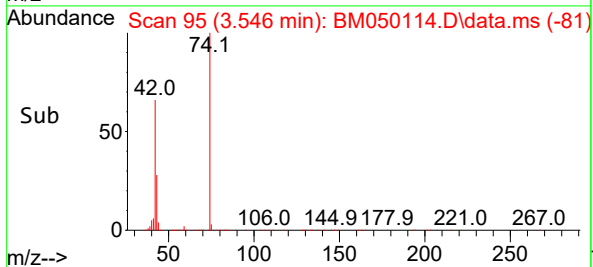
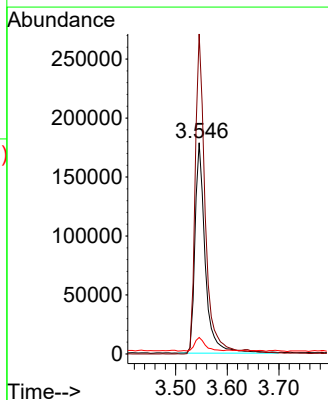
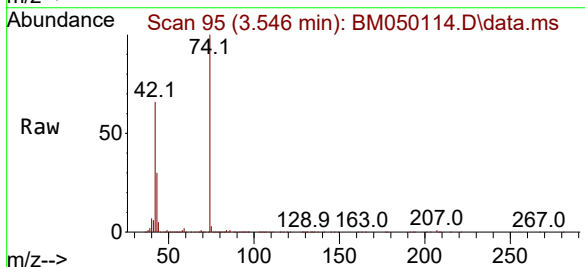
Instrument :
BNA_M
ClientSampleId :
PB167857BS

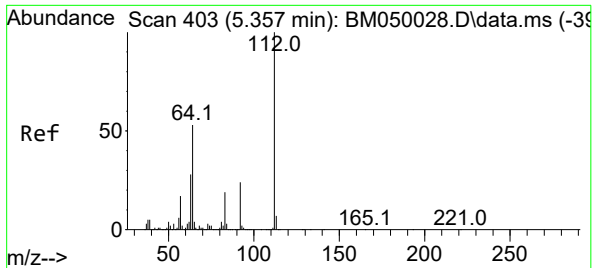
Tgt Ion: 79 Resp: 565333
Ion Ratio Lower Upper
79 100
52 64.3 48.6 72.8
51 31.9 24.6 37.0



#4
n-Nitrosodimethylamine
Concen: 39.406 ng
RT: 3.546 min Scan# 95
Delta R.T. -0.018 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

Tgt Ion: 42 Resp: 244948
Ion Ratio Lower Upper
42 100
74 151.5 120.2 180.2
44 7.8 6.2 9.2

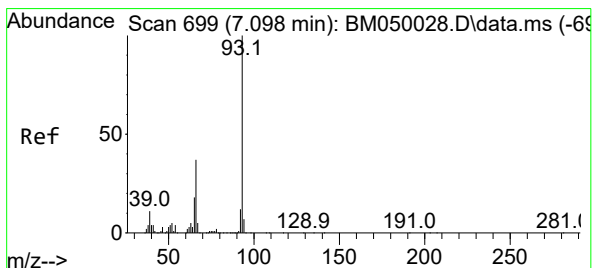
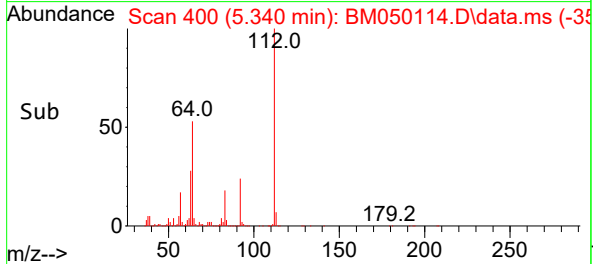
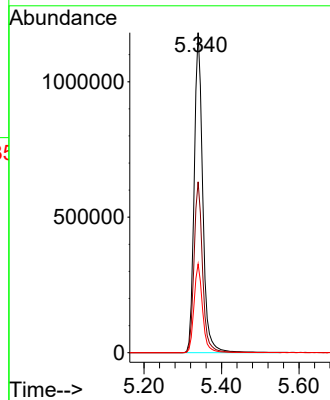
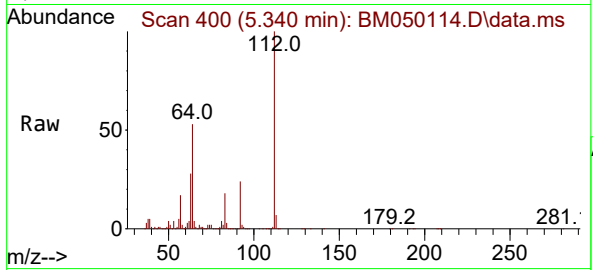




#5
2-Fluorophenol
Concen: 125.685 ng
RT: 5.340 min Scan# 403
Delta R.T. -0.018 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

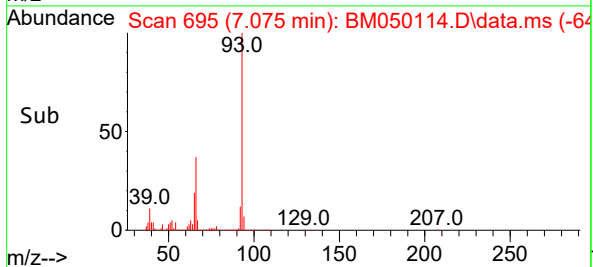
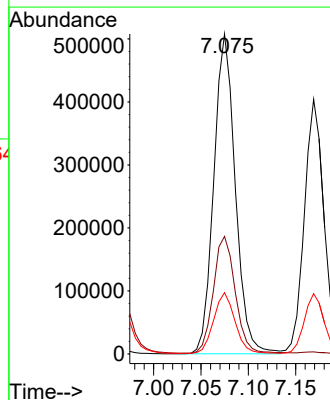
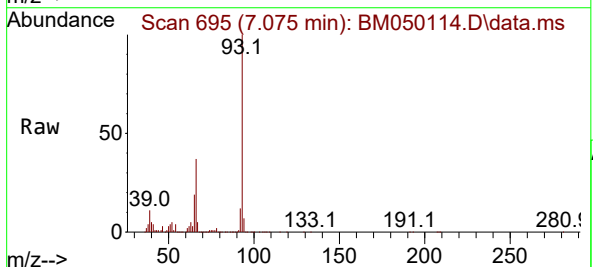
Instrument :
BNA_M
ClientSampleId :
PB167857BS

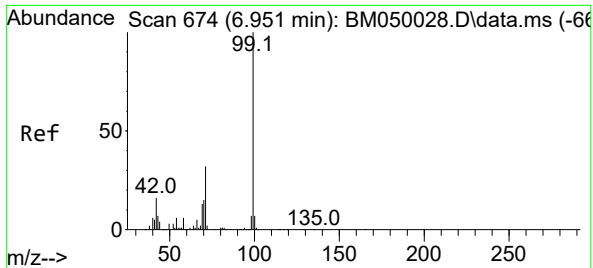
Tgt Ion:112 Resp: 1808154
Ion Ratio Lower Upper
112 100
64 53.4 42.6 64.0
63 27.7 22.2 33.4



#6
Aniline
Concen: 35.098 ng
RT: 7.075 min Scan# 695
Delta R.T. -0.024 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

Tgt Ion: 93 Resp: 801388
Ion Ratio Lower Upper
93 100
66 36.7 29.9 44.9
65 19.2 14.5 21.7

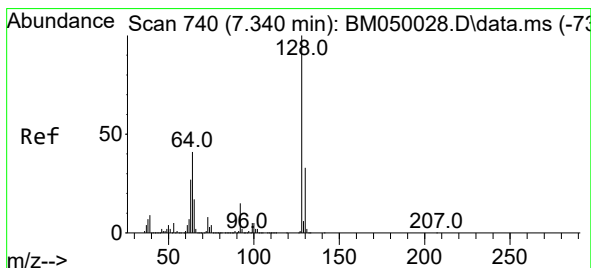
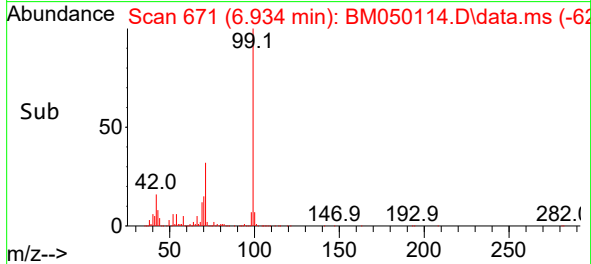
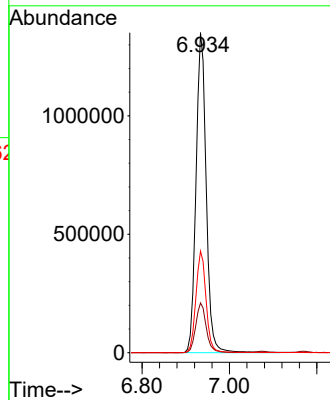
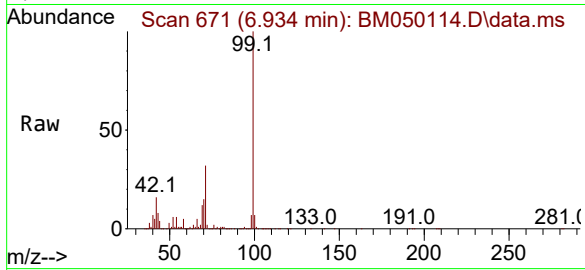




#7
Phenol-d6
Concen: 121.350 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

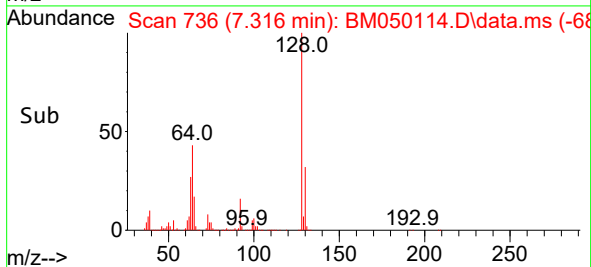
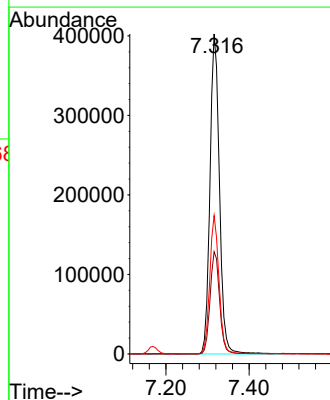
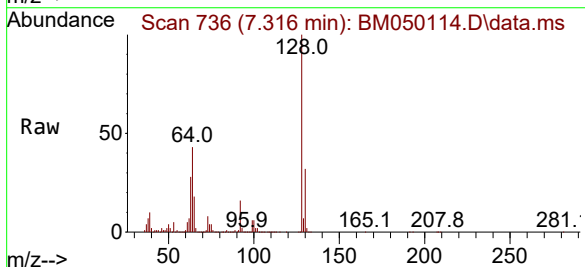
Instrument :
BNA_M
ClientSampleId :
PB167857BS

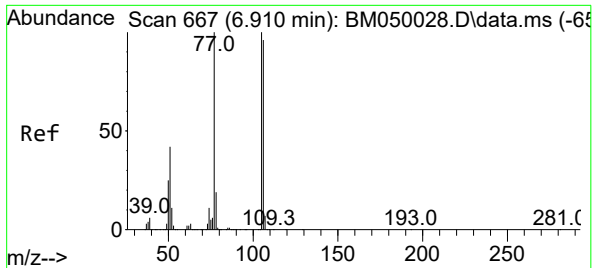
Tgt Ion: 99 Resp: 2194221
Ion Ratio Lower Upper
99 100
42 15.6 13.0 19.4
71 31.8 25.6 38.4



#8
2-Chlorophenol
Concen: 40.979 ng
RT: 7.316 min Scan# 736
Delta R.T. -0.024 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

Tgt Ion: 128 Resp: 637424
Ion Ratio Lower Upper
128 100
130 31.9 12.8 52.8
64 43.2 21.2 61.2

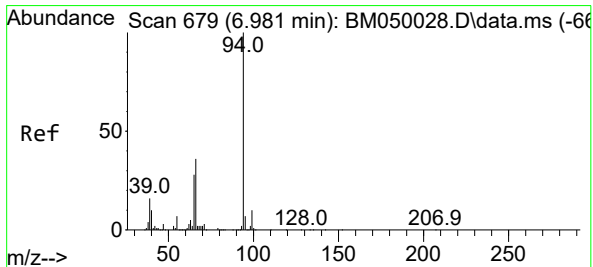
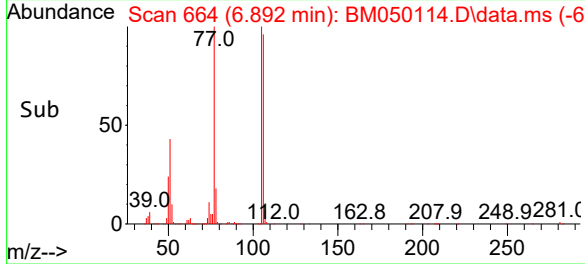
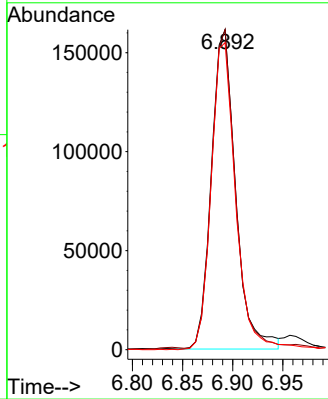
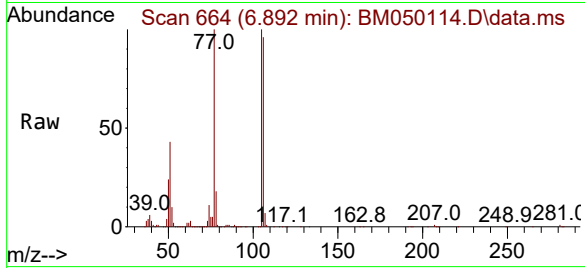




#9
Benzaldehyde
Concen: 22.381 ng
RT: 6.892 min Scan# 60
Delta R.T. -0.018 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

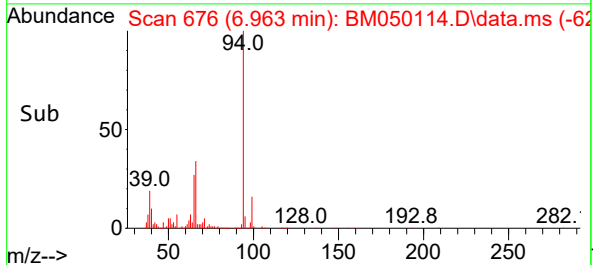
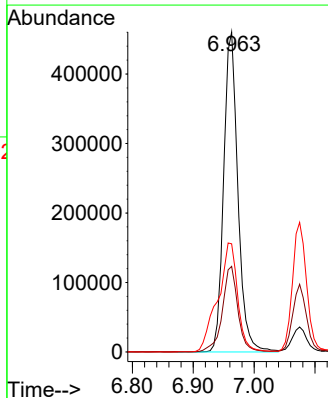
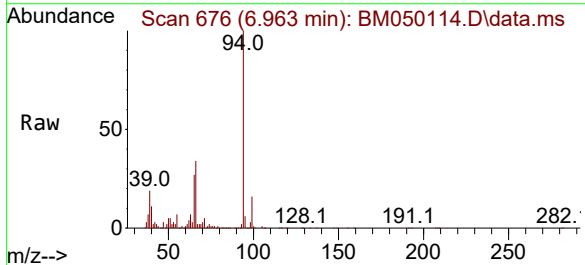
Instrument :
BNA_M
ClientSampleId :
PB167857BS

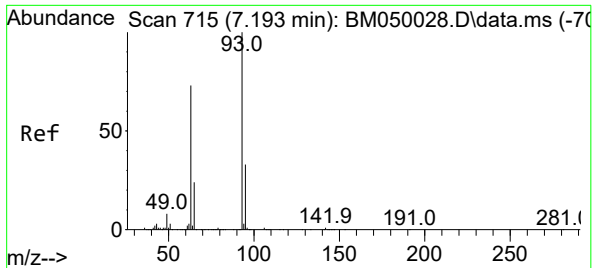
Tgt Ion: 77 Resp: 270823
Ion Ratio Lower Upper
77 100
105 100.0 80.5 120.5
106 96.0 76.1 116.1



#10
Phenol
Concen: 40.838 ng
RT: 6.963 min Scan# 676
Delta R.T. -0.018 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

Tgt Ion: 94 Resp: 747544
Ion Ratio Lower Upper
94 100
65 26.8 7.6 47.6
66 33.8 15.8 55.8

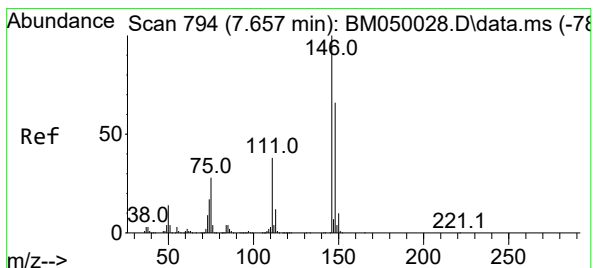
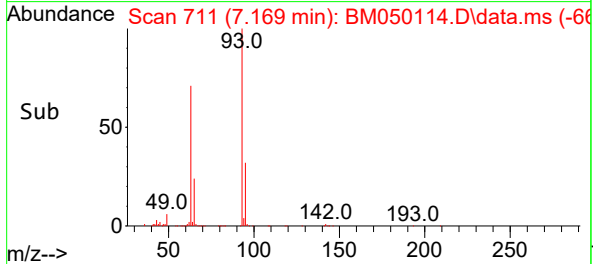
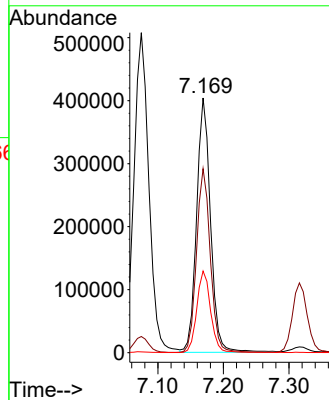
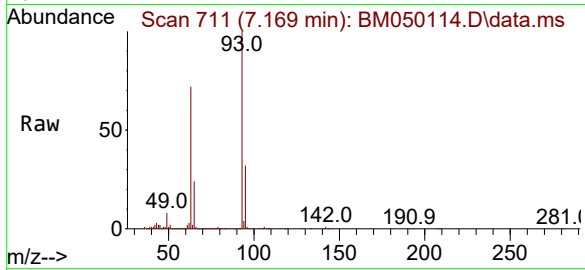




#11
bis(2-Chloroethyl)ether
Concen: 39.086 ng
RT: 7.169 min Scan# 715
Delta R.T. -0.024 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

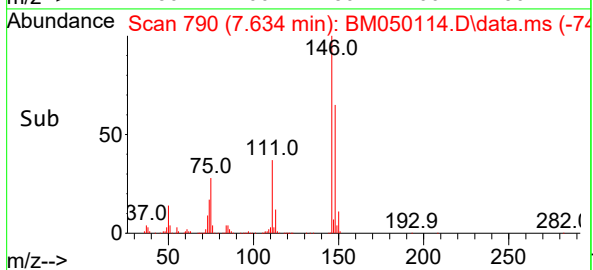
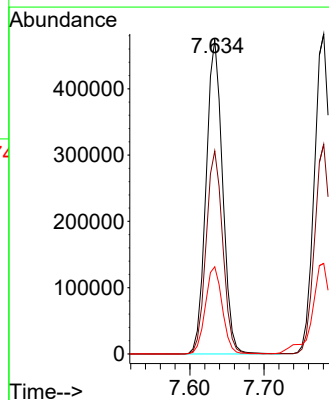
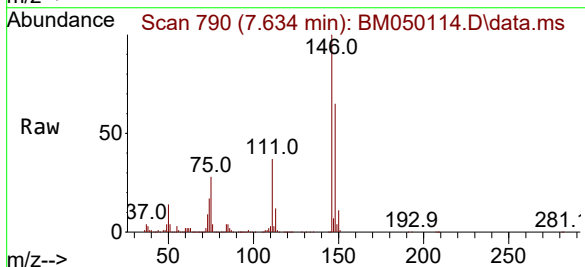
Instrument :
BNA_M
ClientSampleId :
PB167857BS

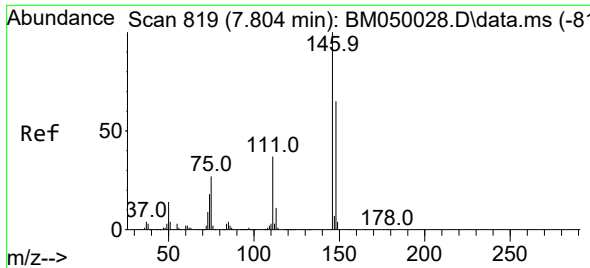
Tgt Ion: 93 Resp: 597431
Ion Ratio Lower Upper
93 100
63 72.2 52.3 92.3
95 32.0 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 39.126 ng
RT: 7.634 min Scan# 790
Delta R.T. -0.024 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

Tgt Ion: 146 Resp: 735168
Ion Ratio Lower Upper
146 100
148 64.6 52.5 78.7
75 27.7 22.6 34.0

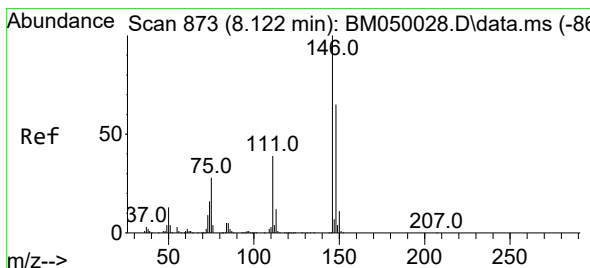
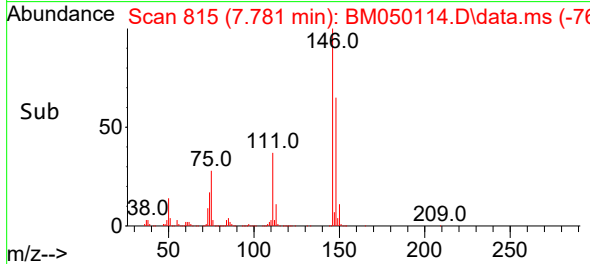
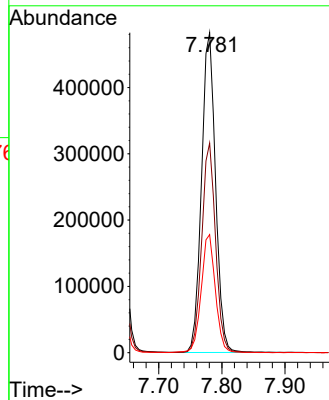
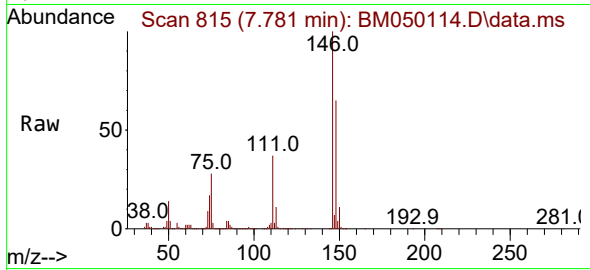




#13
1,4-Dichlorobenzene
Concen: 39.500 ng
RT: 7.781 min Scan# 819
Delta R.T. -0.024 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

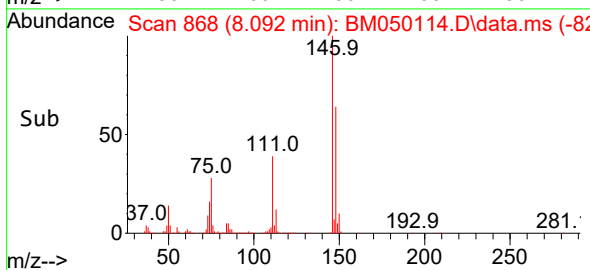
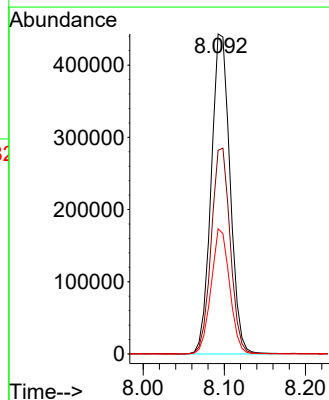
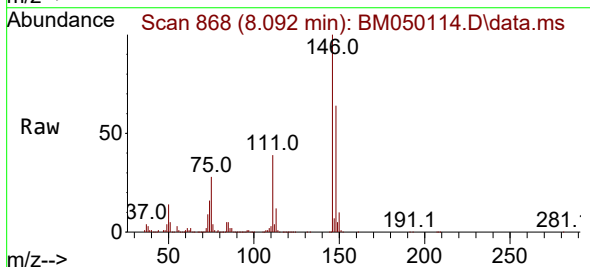
Instrument :
BNA_M
ClientSampleId :
PB167857BS

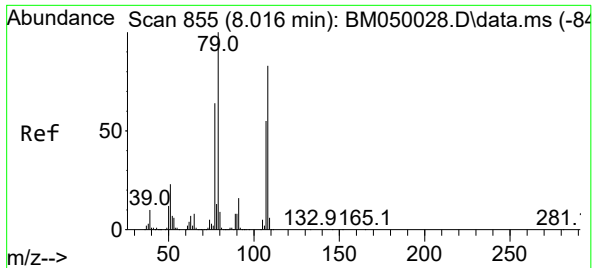
Tgt Ion:146 Resp: 745620
Ion Ratio Lower Upper
146 100
148 65.5 52.2 78.2
111 36.9 29.3 43.9



#14
1,2-Dichlorobenzene
Concen: 39.259 ng
RT: 8.092 min Scan# 868
Delta R.T. -0.030 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

Tgt Ion:146 Resp: 715845
Ion Ratio Lower Upper
146 100
148 63.7 52.4 78.6
111 39.1 31.0 46.6

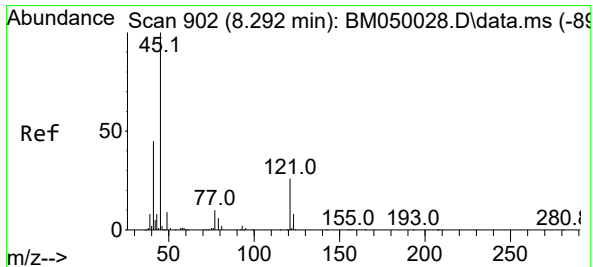
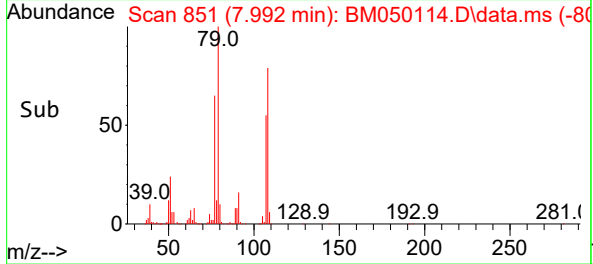
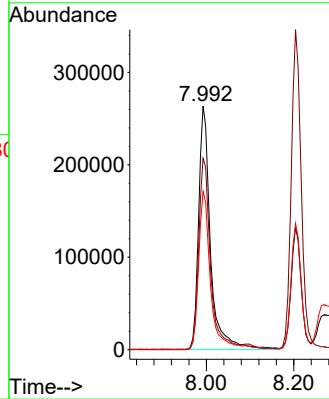
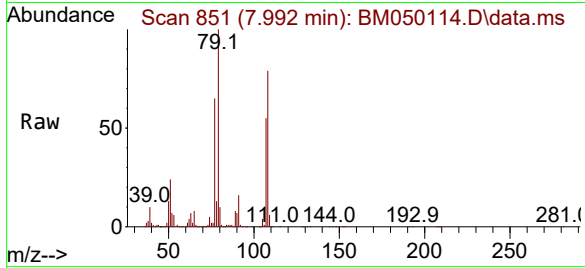




#15
Benzyl Alcohol
Concen: 39.784 ng
RT: 7.992 min Scan# 81
Delta R.T. -0.024 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

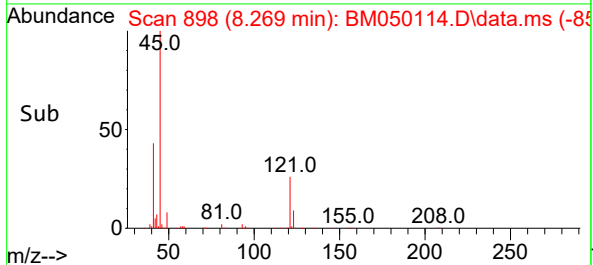
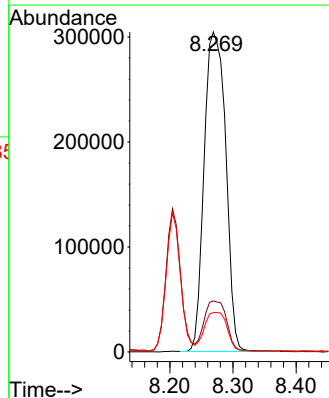
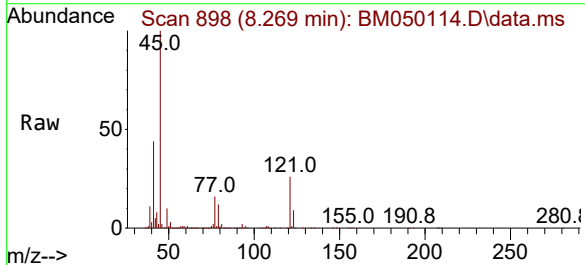
Instrument :
BNA_M
ClientSampleId :
PB167857BS

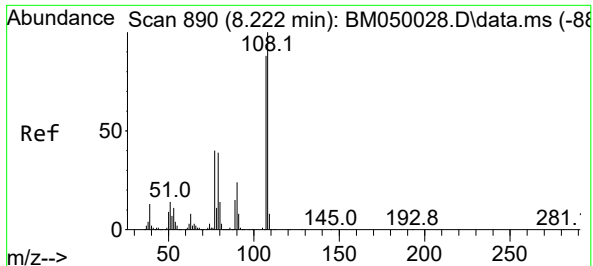
Tgt Ion: 79 Resp: 498872
Ion Ratio Lower Upper
79 100
108 78.6 66.0 99.0
77 65.0 51.6 77.4



#16
2,2'-oxybis(1-chloropropane)
Concen: 38.876 ng
RT: 8.269 min Scan# 898
Delta R.T. -0.024 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

Tgt Ion: 45 Resp: 722306
Ion Ratio Lower Upper
45 100
77 16.0 0.0 36.4
79 12.3 0.0 32.7





#17

2-Methylphenol

Concen: 39.539 ng

RT: 8.204 min Scan# 887

Delta R.T. -0.018 min

Lab File: BM050114.D

Acq: 06 May 2025 11:21

Instrument :

BNA_M

ClientSampleId :

PB167857BS

Tgt Ion:107 Resp: 476788

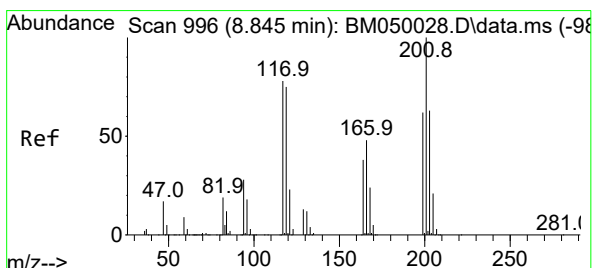
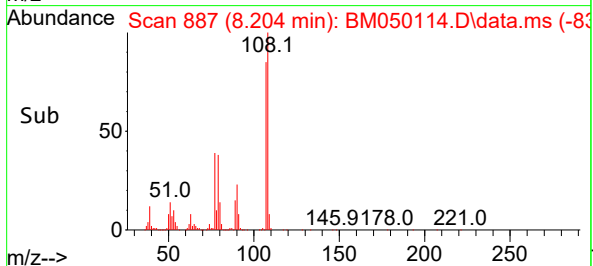
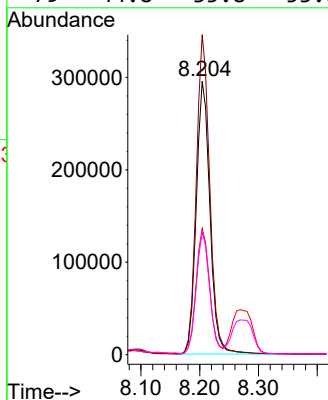
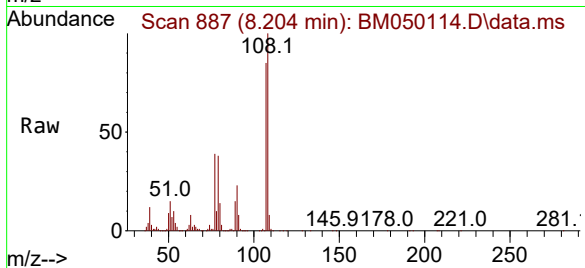
Ion Ratio Lower Upper

107 100

108 117.1 91.1 136.7

77 46.2 36.2 54.4

79 44.8 35.8 53.8



#18

Hexachloroethane

Concen: 39.410 ng

RT: 8.816 min Scan# 991

Delta R.T. -0.030 min

Lab File: BM050114.D

Acq: 06 May 2025 11:21

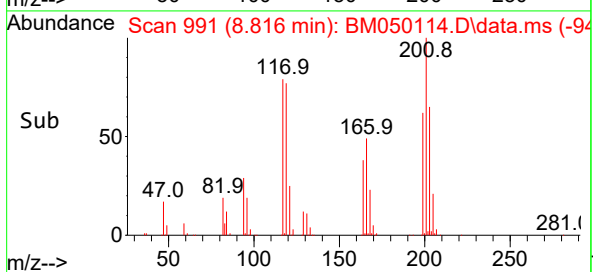
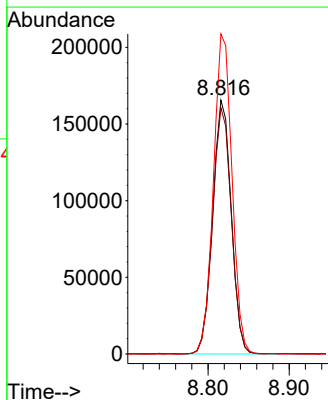
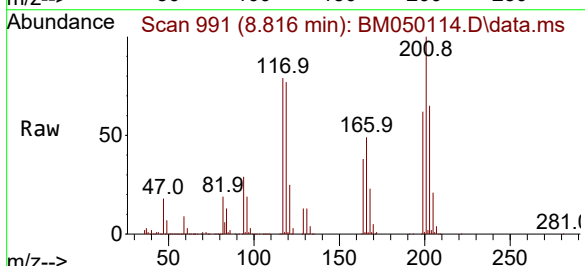
Tgt Ion:117 Resp: 264449

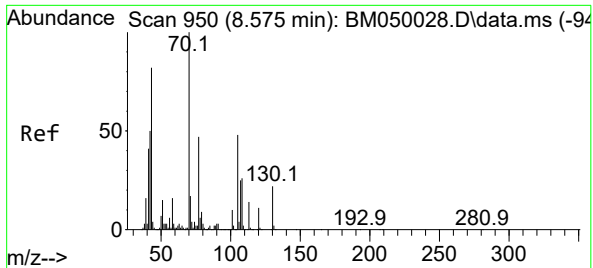
Ion Ratio Lower Upper

117 100

119 97.0 77.3 115.9

201 126.1 102.8 154.2

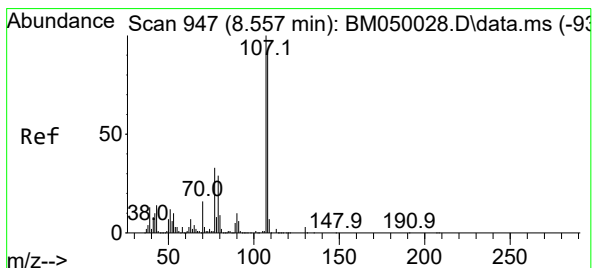
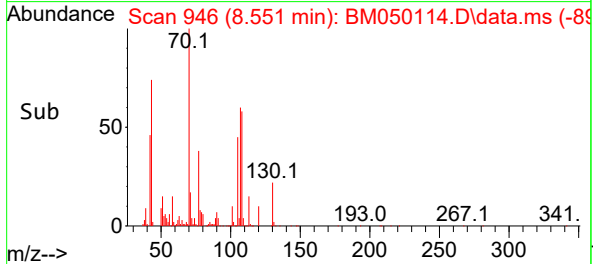
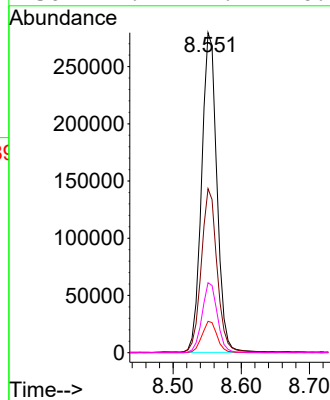
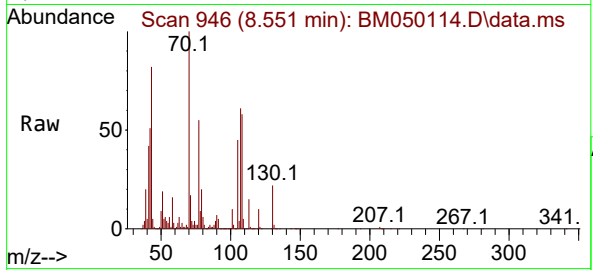




#19
n-Nitroso-di-n-propylamine
Concen: 37.638 ng
RT: 8.551 min Scan# 946
Delta R.T. -0.024 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

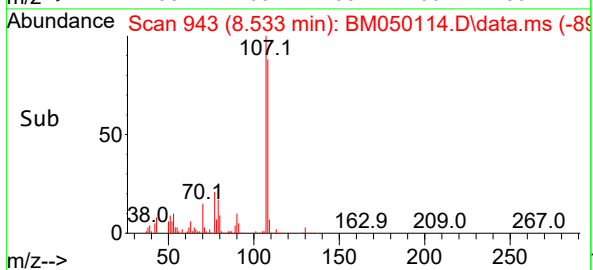
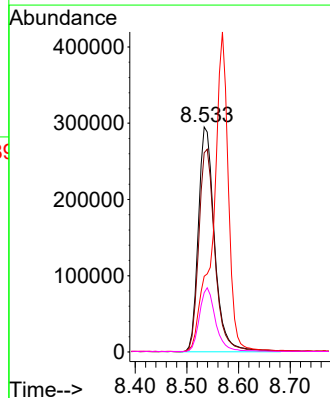
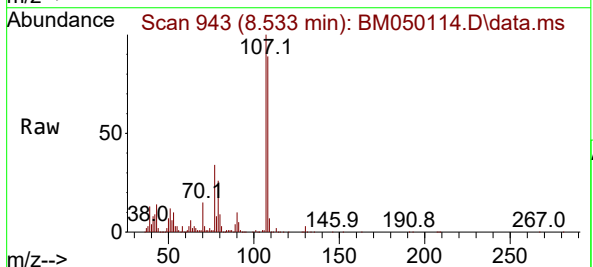
Instrument :
BNA_M
ClientSampleId :
PB167857BS

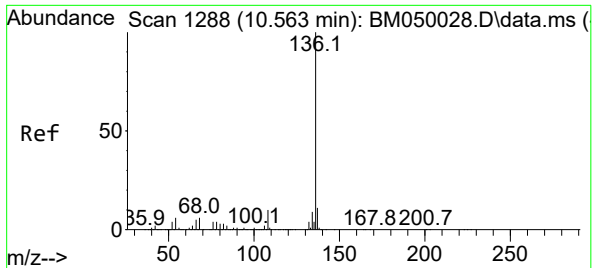
Tgt Ion: 70 Resp: 436482
Ion Ratio Lower Upper
70 100
42 51.2 40.5 60.7
101 9.8 7.8 11.6
130 21.9 17.4 26.2



#20
3+4-Methylphenols
Concen: 39.501 ng
RT: 8.533 min Scan# 943
Delta R.T. -0.024 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

Tgt Ion: 107 Resp: 643262
Ion Ratio Lower Upper
107 100
108 88.6 72.4 112.4
77 33.6 13.6 53.6
79 26.4 9.2 49.2

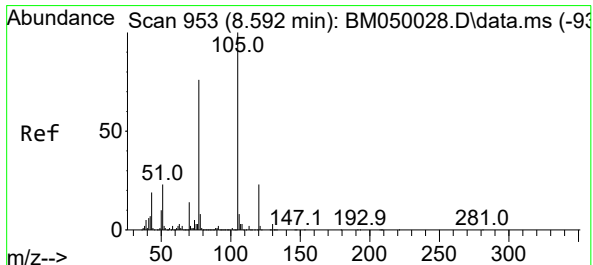
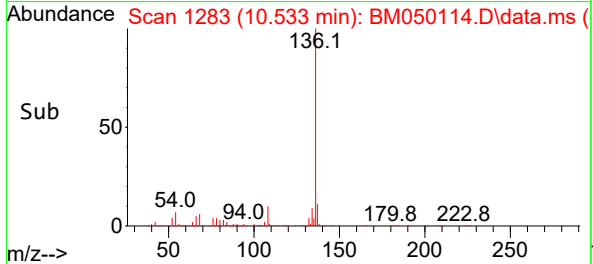
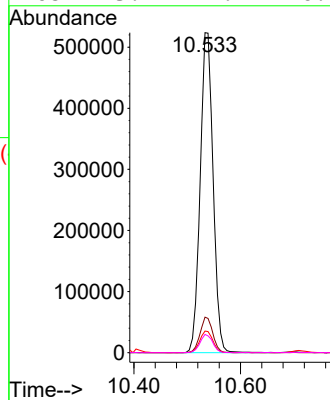
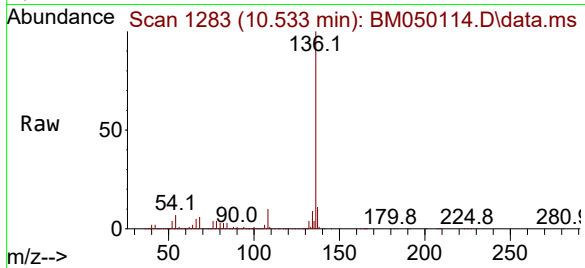




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.533 min Scan# 1283
Delta R.T. -0.030 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

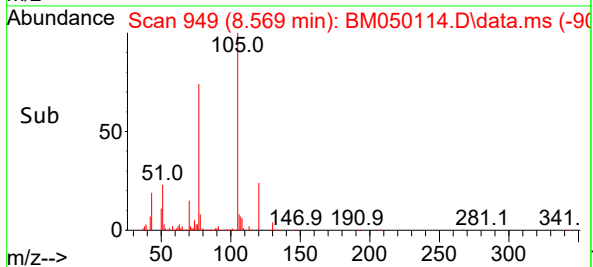
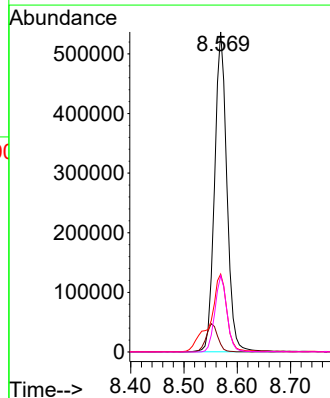
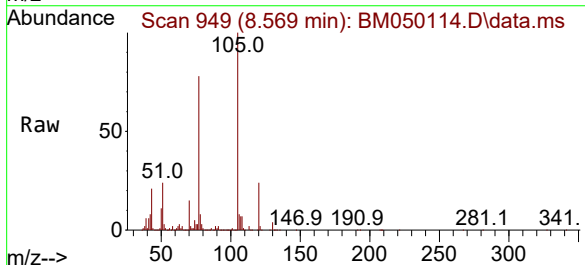
Instrument :
BNA_M
ClientSampleId :
PB167857BS

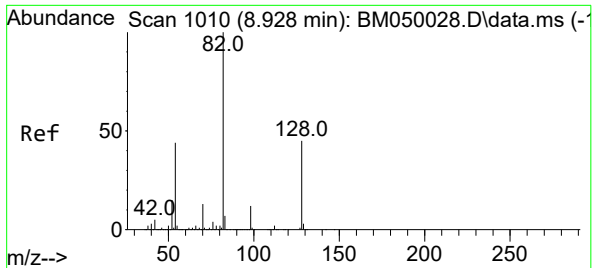
Tgt Ion:136 Resp: 880758
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 6.8 5.1 7.7
68 5.7 4.4 6.6



#22
Acetophenone
Concen: 39.402 ng
RT: 8.569 min Scan# 949
Delta R.T. -0.024 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

Tgt Ion:105 Resp: 862792
Ion Ratio Lower Upper
105 100
71 2.5 1.7 2.5
51 24.4 18.6 27.8
120 23.8 18.3 27.5

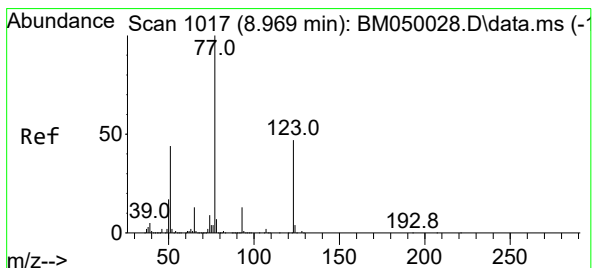
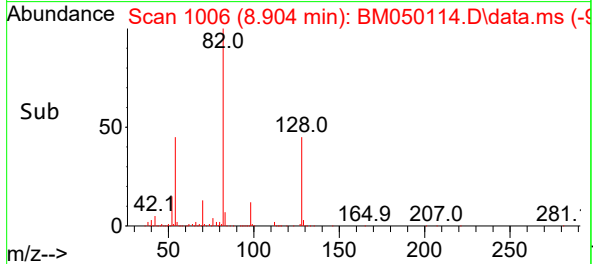
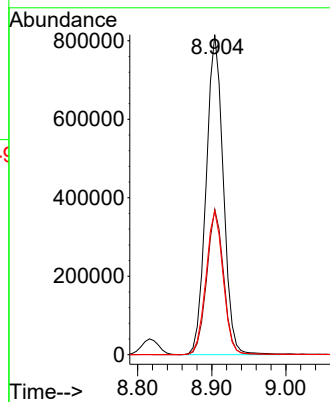
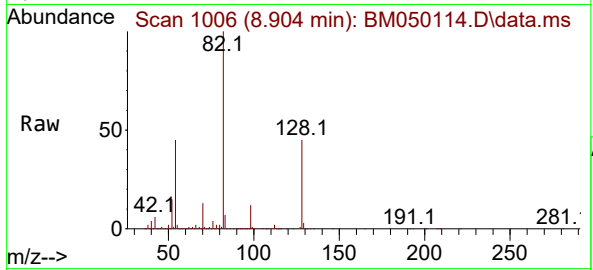




#23
Nitrobenzene-d5
Concen: 73.287 ng
RT: 8.904 min Scan# 1006
Delta R.T. -0.024 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

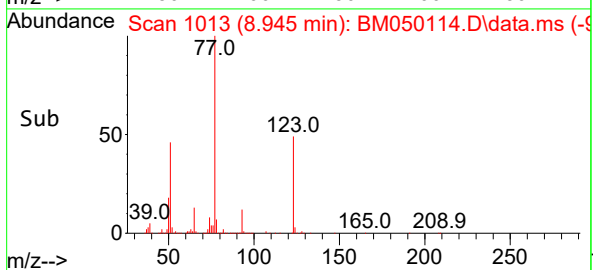
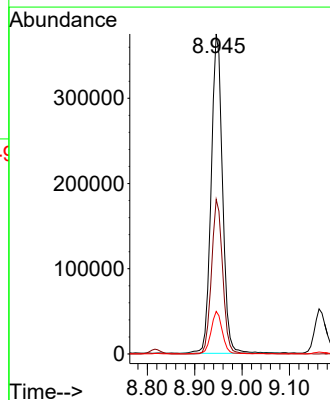
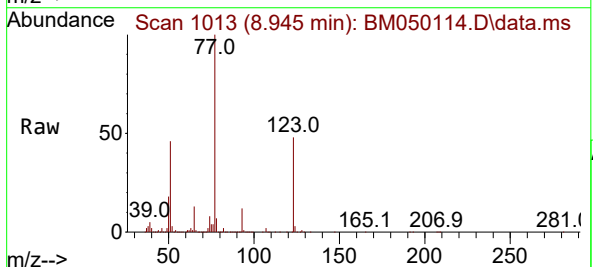
Instrument :
BNA_M
ClientSampleId :
PB167857BS

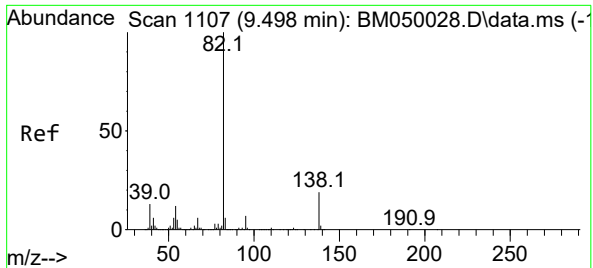
Tgt Ion: 82 Resp: 1309925
Ion Ratio Lower Upper
82 100
128 45.4 35.7 53.5
54 44.8 35.4 53.2



#24
Nitrobenzene
Concen: 40.408 ng
RT: 8.945 min Scan# 1013
Delta R.T. -0.024 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

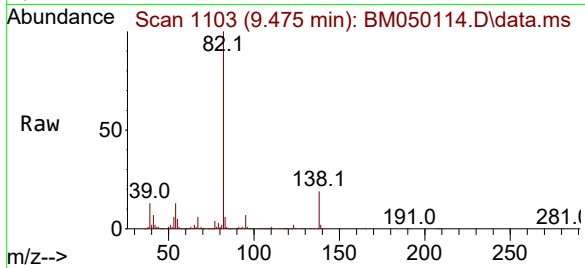
Tgt Ion: 77 Resp: 624497
Ion Ratio Lower Upper
77 100
123 48.3 37.9 56.9
65 13.3 10.1 15.1



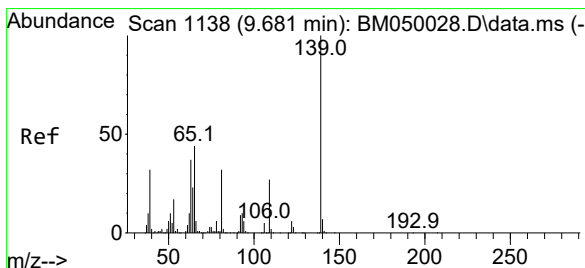
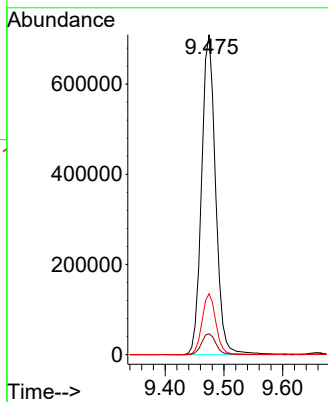
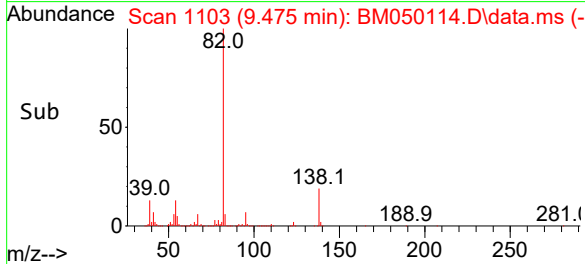


#25
Isophorone
Concen: 38.443 ng
RT: 9.475 min Scan# 1103
Delta R.T. -0.024 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

Instrument :
BNA_M
ClientSampleId :
PB167857BS

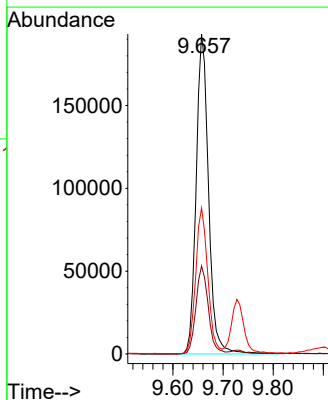
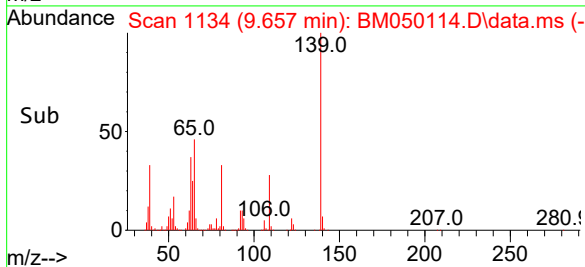
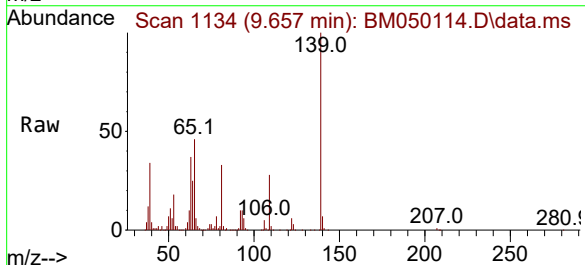


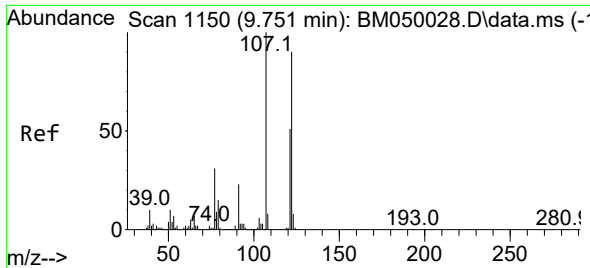
Tgt Ion: 82 Resp: 1171263
Ion Ratio Lower Upper
82 100
95 6.6 5.7 8.5
138 19.1 15.5 23.3



#26
2-Nitrophenol
Concen: 41.952 ng
RT: 9.657 min Scan# 1134
Delta R.T. -0.024 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

Tgt Ion: 139 Resp: 331231
Ion Ratio Lower Upper
139 100
109 27.5 21.9 32.9
65 45.7 35.4 53.2

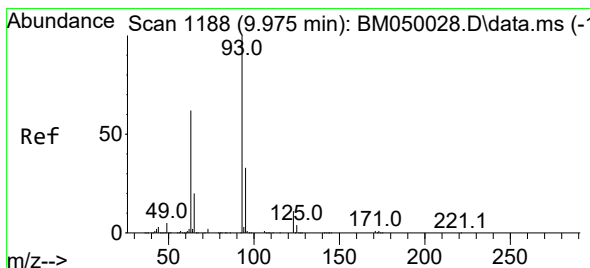
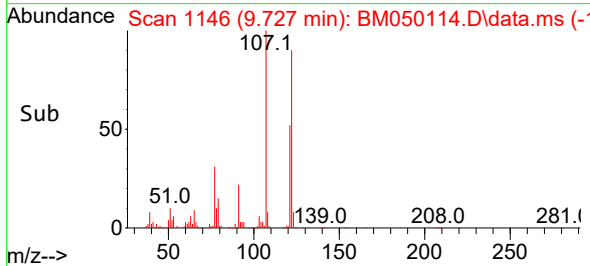
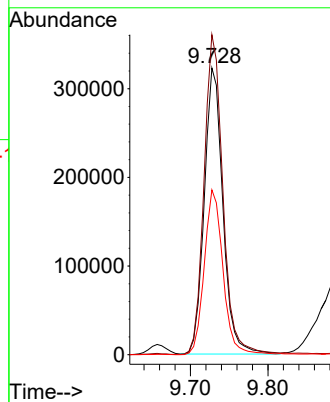
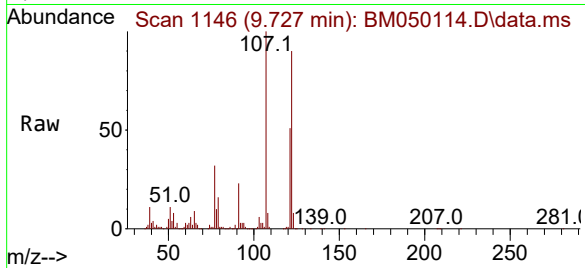




#27
2,4-Dimethylphenol
Concen: 41.141 ng
RT: 9.727 min Scan# 1146
Delta R.T. -0.024 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

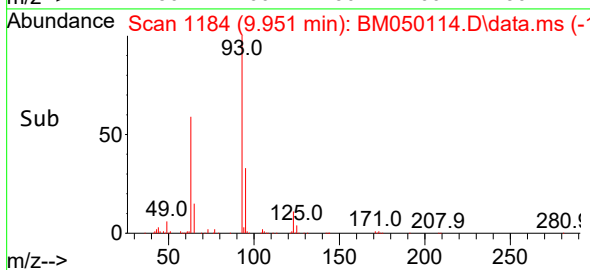
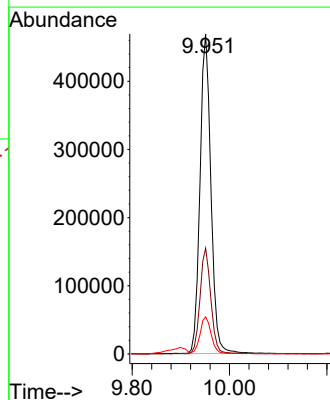
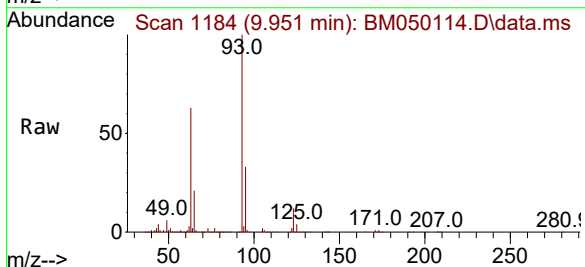
Instrument :
BNA_M
ClientSampleId :
PB167857BS

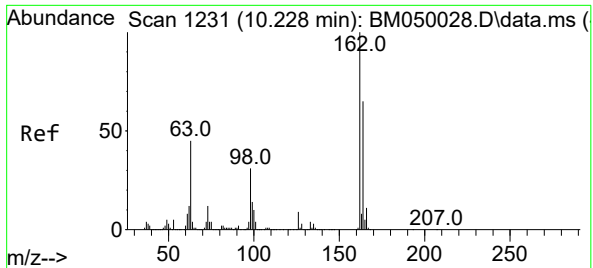
Tgt Ion:122 Resp: 538682
Ion Ratio Lower Upper
122 100
107 111.6 89.0 133.6
121 57.5 45.6 68.4



#28
bis(2-Chloroethoxy)methane
Concen: 38.756 ng
RT: 9.951 min Scan# 1184
Delta R.T. -0.024 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

Tgt Ion: 93 Resp: 729831
Ion Ratio Lower Upper
93 100
95 33.1 26.1 39.1
123 11.6 9.5 14.3

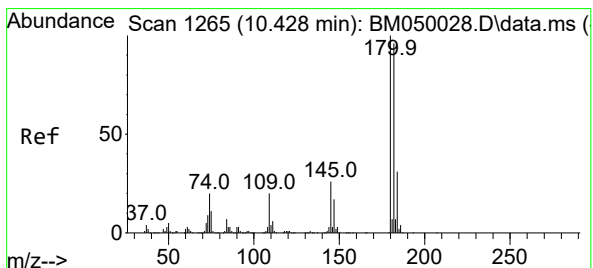
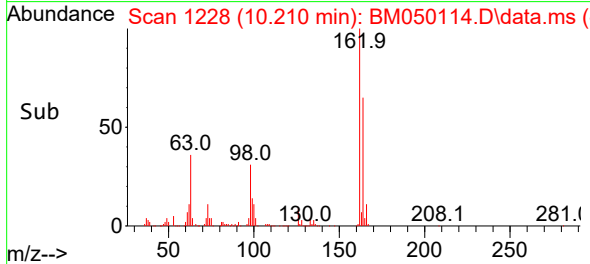
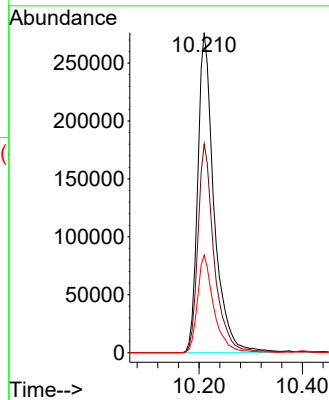
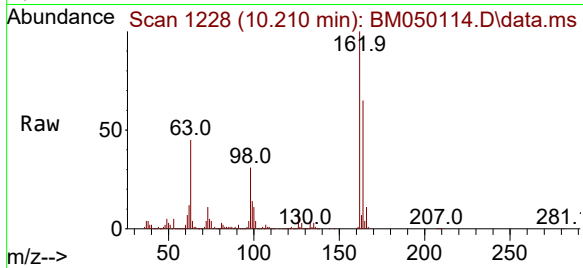




#29
2,4-Dichlorophenol
Concen: 41.206 ng
RT: 10.210 min Scan# 1228
Delta R.T. -0.018 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

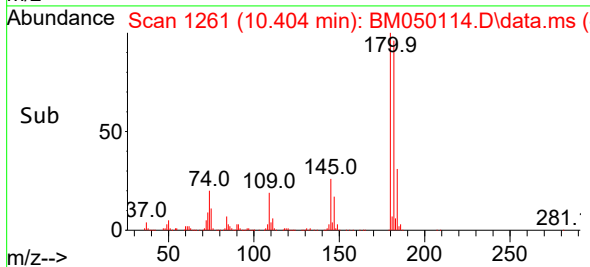
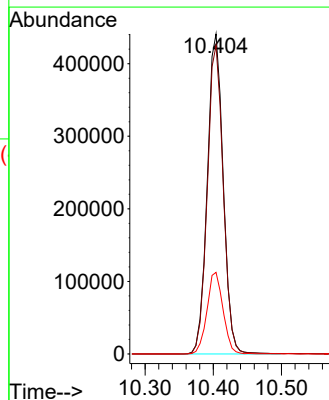
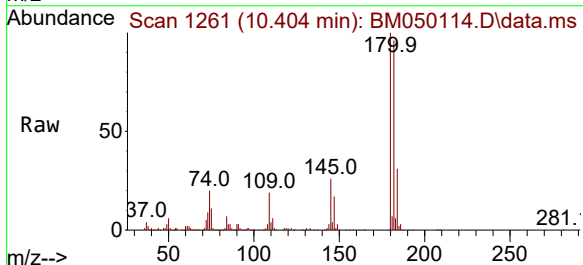
Instrument :
BNA_M
ClientSampleId :
PB167857BS

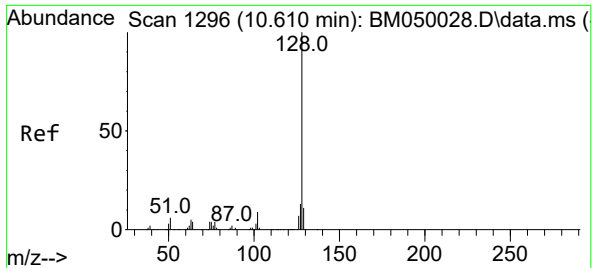
Tgt Ion:162 Resp: 604437
Ion Ratio Lower Upper
162 100
164 65.3 45.4 85.4
98 30.5 11.3 51.3



#30
1,2,4-Trichlorobenzene
Concen: 40.034 ng
RT: 10.404 min Scan# 1261
Delta R.T. -0.024 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

Tgt Ion:180 Resp: 715468
Ion Ratio Lower Upper
180 100
182 96.4 77.0 115.4
145 25.5 20.6 30.8

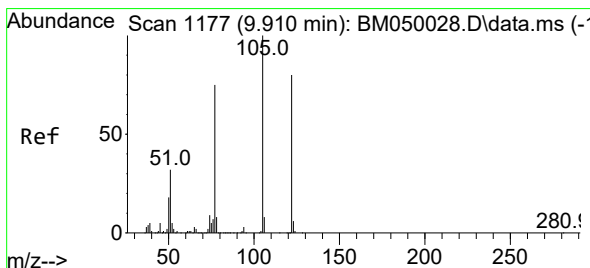
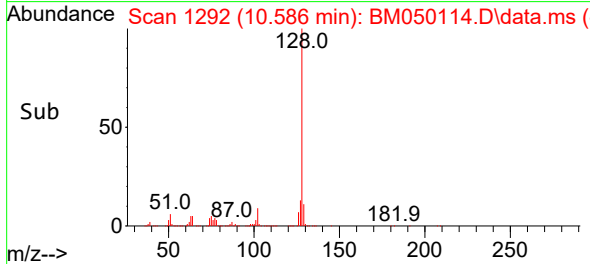
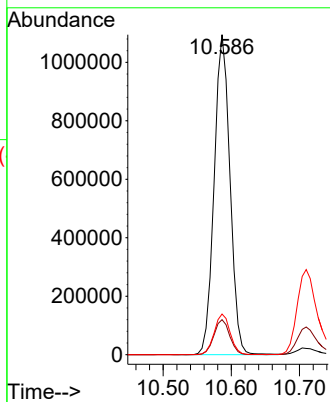
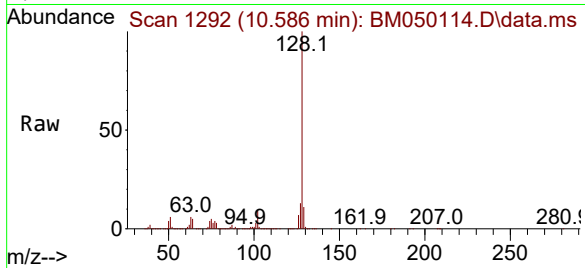




#31
Naphthalene
Concen: 39.607 ng
RT: 10.586 min Scan# 1175
Delta R.T. -0.024 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

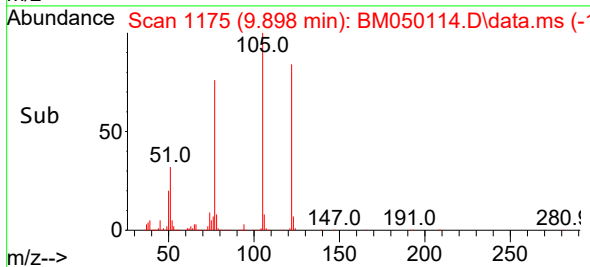
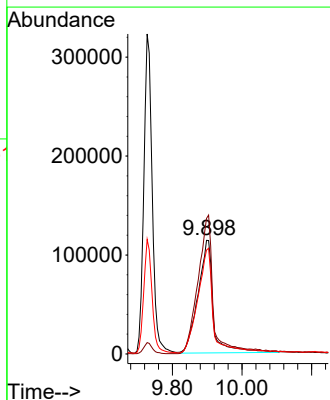
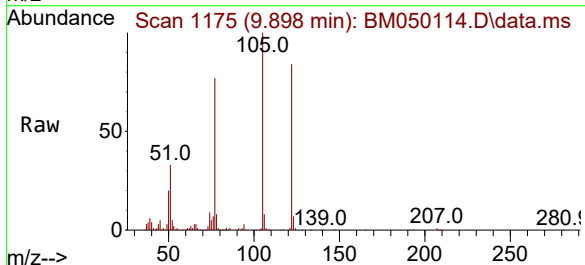
Instrument :
BNA_M
ClientSampleId :
PB167857BS

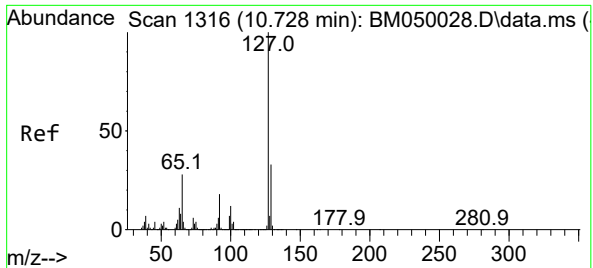
Tgt Ion:128 Resp: 1766653
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 12.7 10.4 15.6



#32
Benzoic acid
Concen: 41.550 ng
RT: 9.898 min Scan# 1175
Delta R.T. -0.012 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

Tgt Ion:122 Resp: 347950
Ion Ratio Lower Upper
122 100
105 119.3 103.6 143.6
77 91.4 73.7 113.7

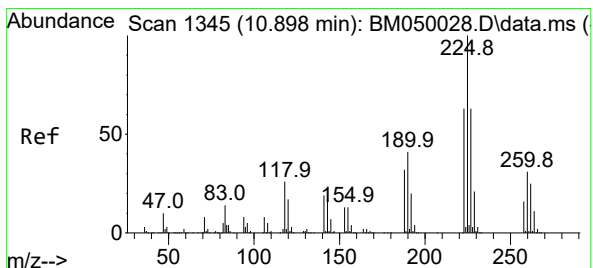
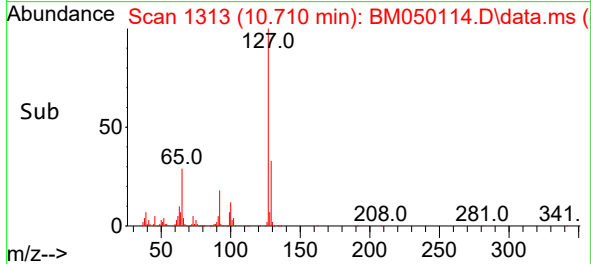
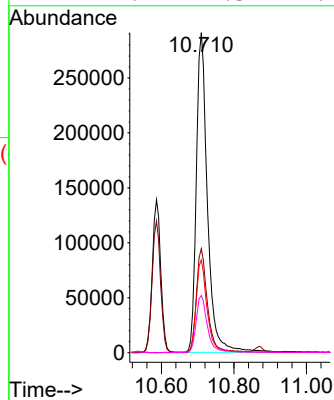
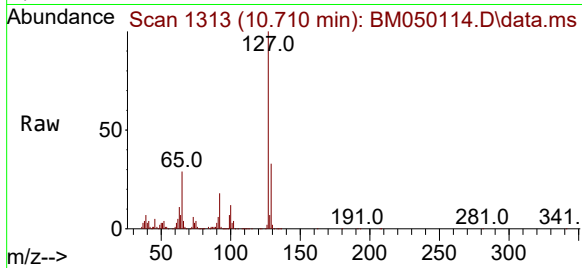




#33
4-Chloroaniline
Concen: 33.966 ng
RT: 10.710 min Scan# 11
Delta R.T. -0.018 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

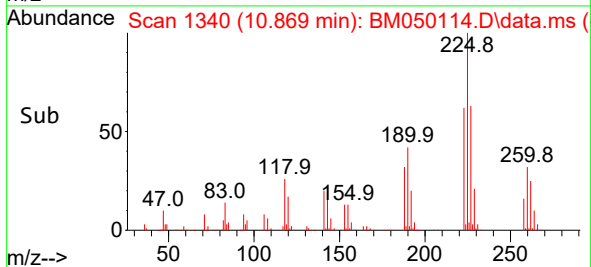
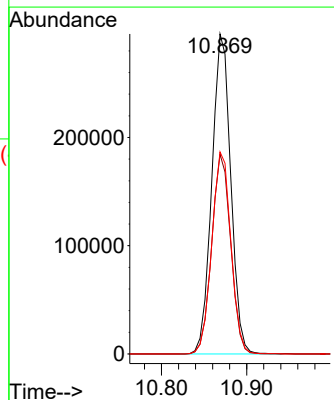
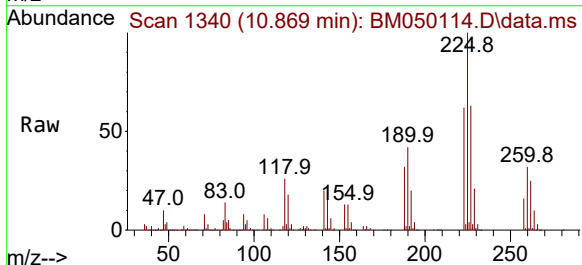
Instrument :
BNA_M
ClientSampleId :
PB167857BS

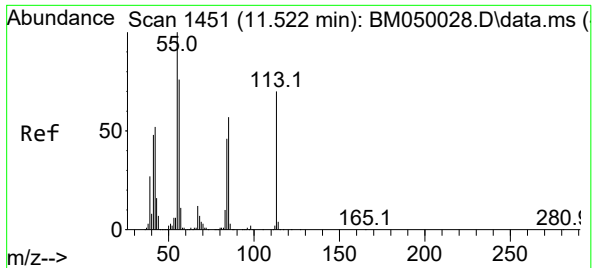
Tgt Ion:127 Resp: 620975
Ion Ratio Lower Upper
127 100
129 32.5 26.3 39.5
65 29.0 22.5 33.7
92 17.9 14.5 21.7



#34
Hexachlorobutadiene
Concen: 40.257 ng
RT: 10.869 min Scan# 1340
Delta R.T. -0.030 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

Tgt Ion:225 Resp: 456694
Ion Ratio Lower Upper
225 100
223 62.4 50.2 75.2
227 63.1 50.6 76.0

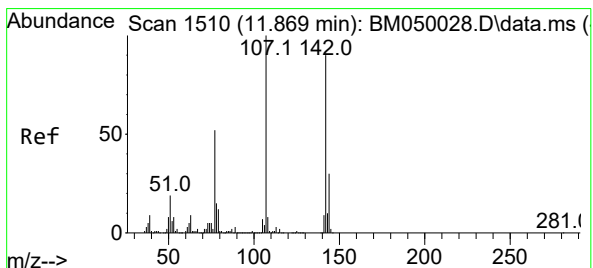
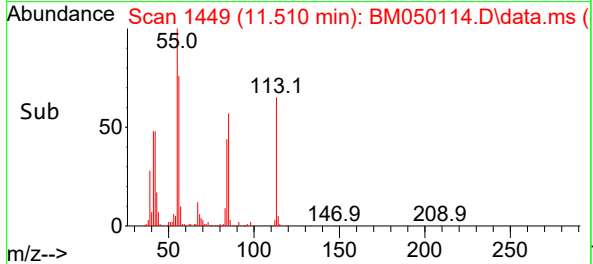
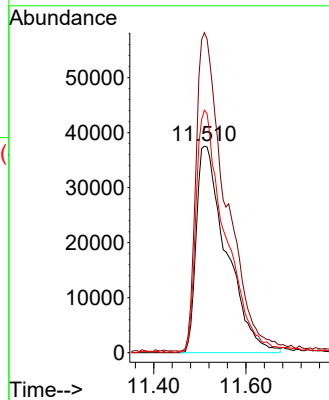
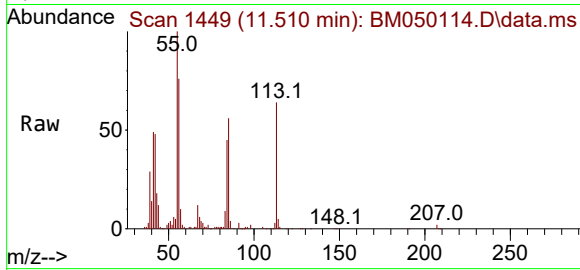




#35
Caprolactam
Concen: 39.608 ng
RT: 11.510 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

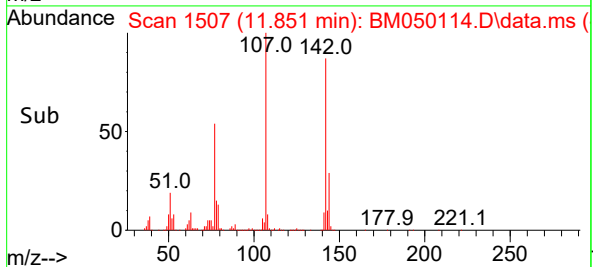
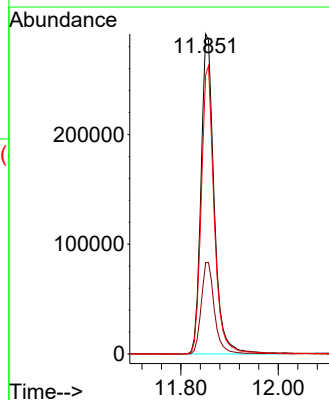
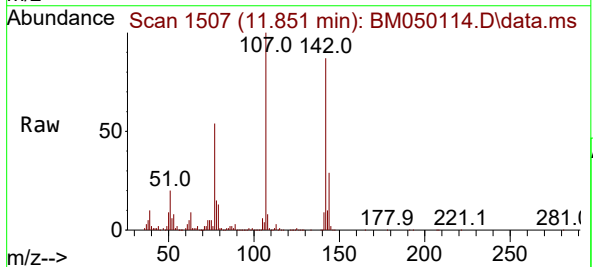
Instrument :
BNA_M
ClientSampleId :
PB167857BS

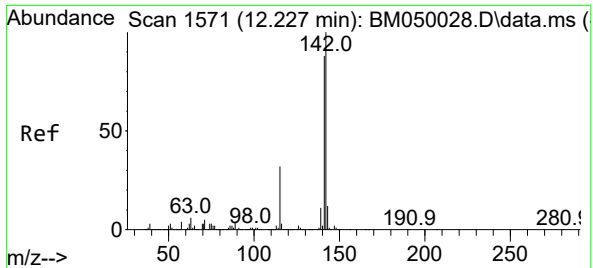
Tgt Ion:113 Resp: 169402
Ion Ratio Lower Upper
113 100
55 155.1 122.9 162.9
56 117.5 88.1 128.1



#36
4-Chloro-3-methylphenol
Concen: 40.269 ng
RT: 11.851 min Scan# 1507
Delta R.T. -0.018 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

Tgt Ion:107 Resp: 545727
Ion Ratio Lower Upper
107 100
144 28.6 23.8 35.6
142 87.2 71.9 107.9

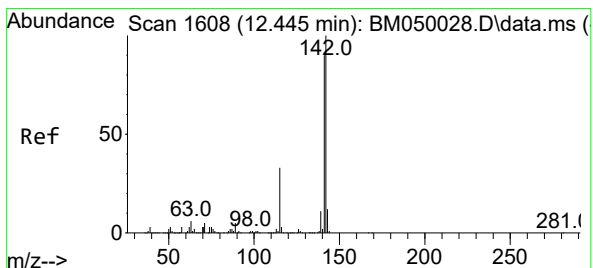
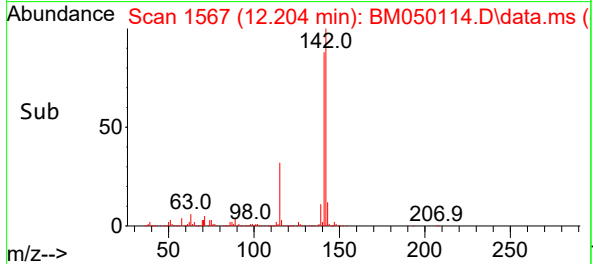
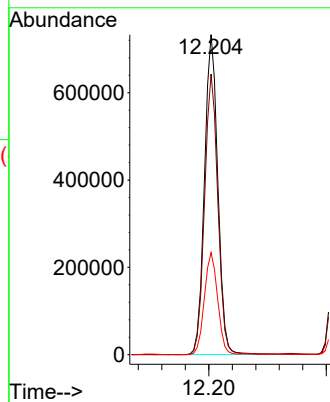
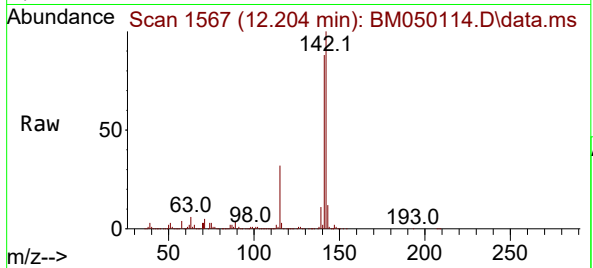




#37
2-Methylnaphthalene
Concen: 38.449 ng
RT: 12.204 min Scan# 1567
Delta R.T. -0.024 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

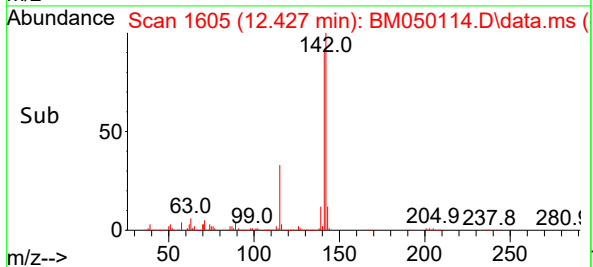
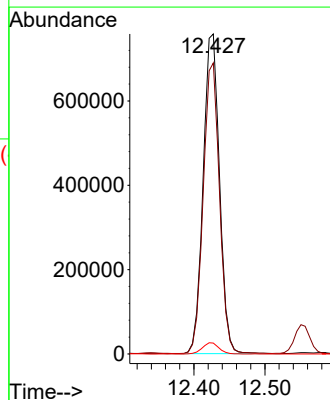
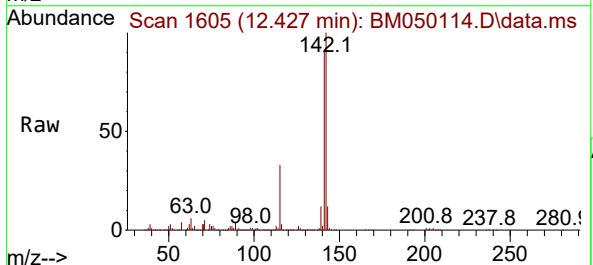
Instrument :
BNA_M
ClientSampleId :
PB167857BS

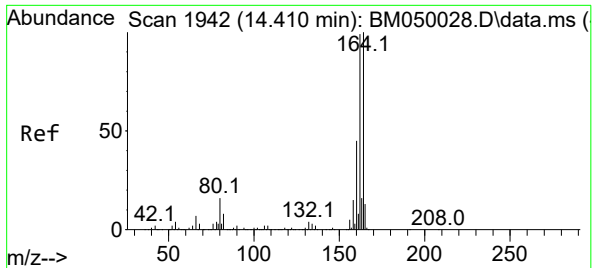
Tgt Ion:142 Resp: 1149787
Ion Ratio Lower Upper
142 100
141 87.7 70.4 105.6
115 31.9 25.4 38.2



#38
1-Methylnaphthalene
Concen: 38.395 ng
RT: 12.427 min Scan# 1605
Delta R.T. -0.018 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

Tgt Ion:142 Resp: 1215114
Ion Ratio Lower Upper
142 100
141 91.0 72.1 108.1
116 3.4 2.7 4.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.392 min Scan# 1942

Delta R.T. -0.018 min

Lab File: BM050114.D

Acq: 06 May 2025 11:21

Instrument :

BNA_M

ClientSampleId :

PB167857BS

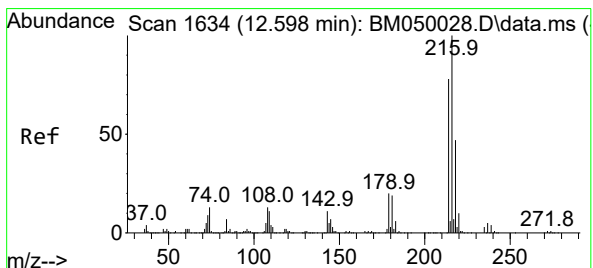
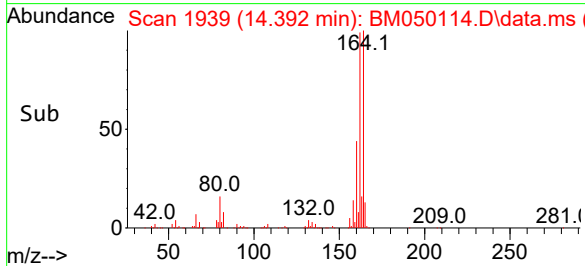
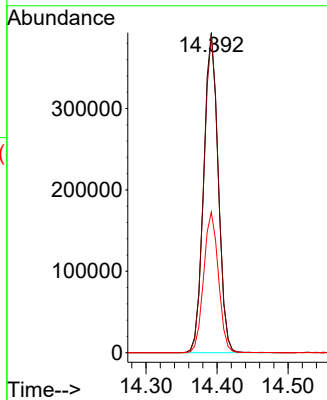
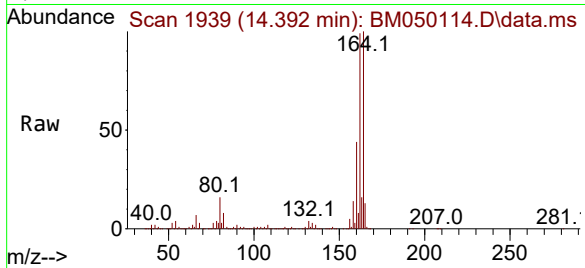
Tgt Ion:164 Resp: 559090

Ion Ratio Lower Upper

164 100

162 99.3 79.4 119.0

160 43.9 36.2 54.4



#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.895 ng

RT: 12.580 min Scan# 1631

Delta R.T. -0.018 min

Lab File: BM050114.D

Acq: 06 May 2025 11:21

Tgt Ion:216 Resp: 791499

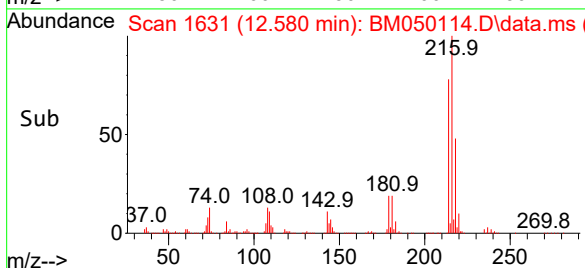
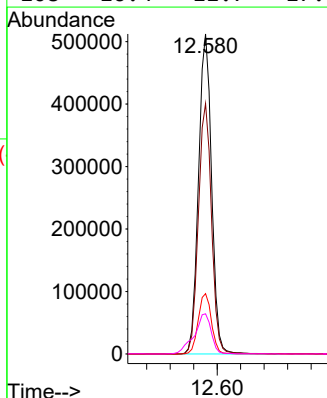
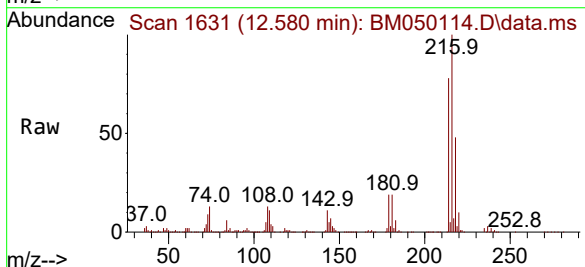
Ion Ratio Lower Upper

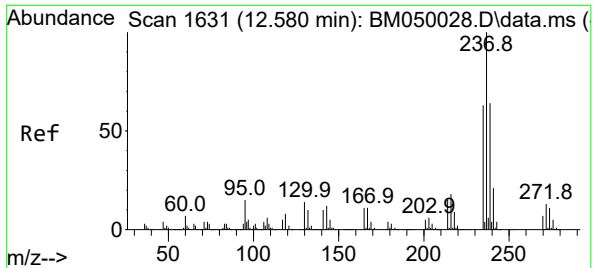
216 100

214 78.7 62.3 93.5

179 19.1 15.4 23.0

108 16.4 11.7 17.5

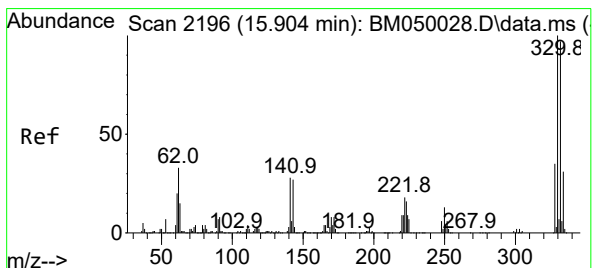
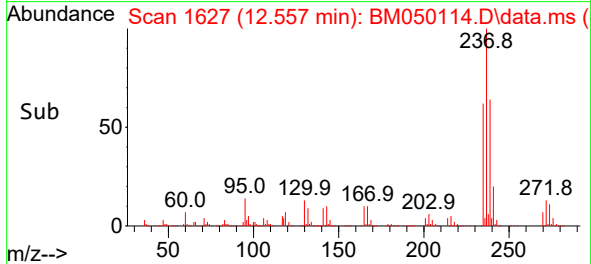
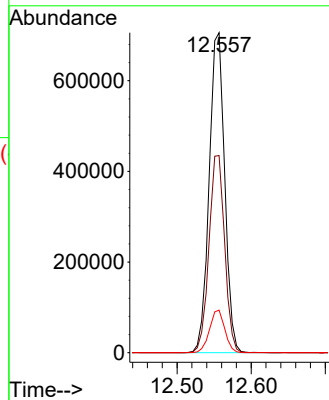
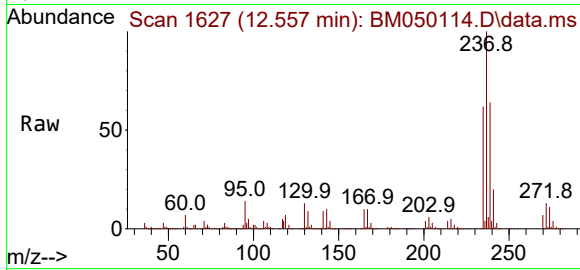




#41
Hexachlorocyclopentadiene
Concen: 86.711 ng
RT: 12.557 min Scan# 1
Delta R.T. -0.023 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

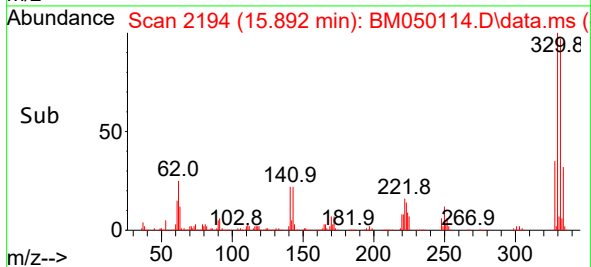
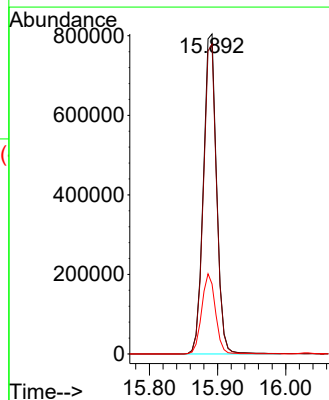
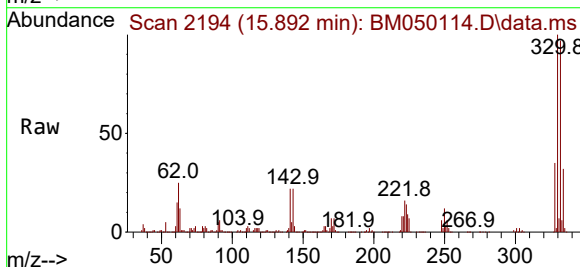
Instrument :
BNA_M
ClientSampleId :
PB167857BS

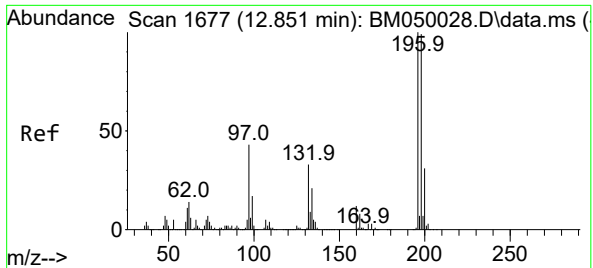
Tgt Ion:237 Resp: 1025596
Ion Ratio Lower Upper
237 100
235 61.6 42.9 82.9
272 13.3 0.0 32.9



#42
2,4,6-Tribromophenol
Concen: 131.048 ng
RT: 15.892 min Scan# 2194
Delta R.T. -0.012 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

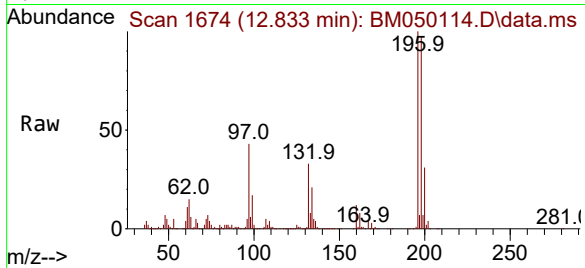
Tgt Ion:330 Resp: 1083363
Ion Ratio Lower Upper
330 100
332 96.9 77.3 115.9
141 26.1 22.5 33.7



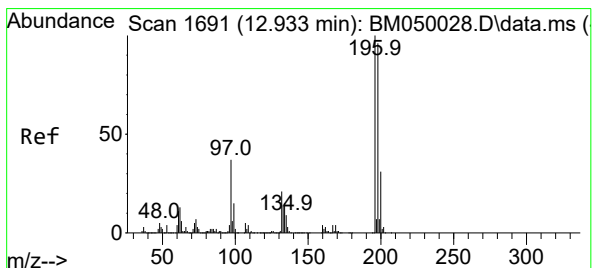
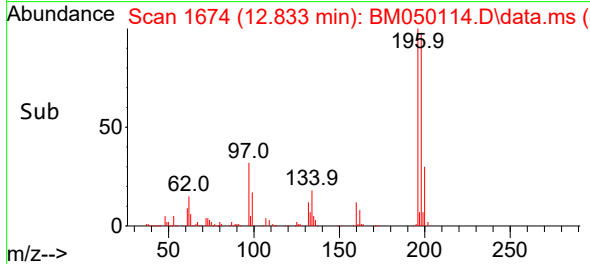
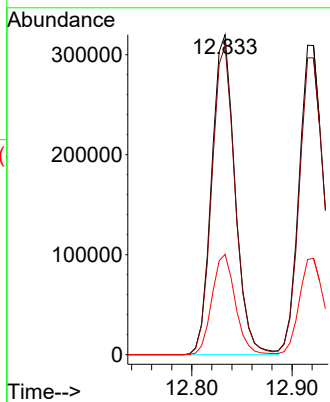


#43
2,4,6-Trichlorophenol
Concen: 42.148 ng
RT: 12.833 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

Instrument :
BNA_M
ClientSampleId :
PB167857BS

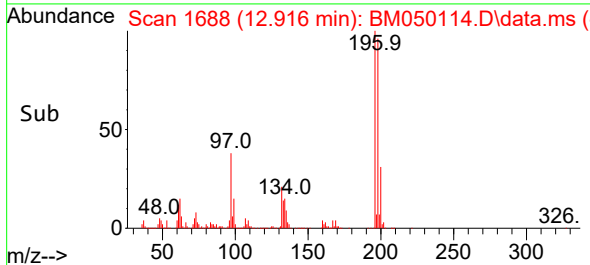
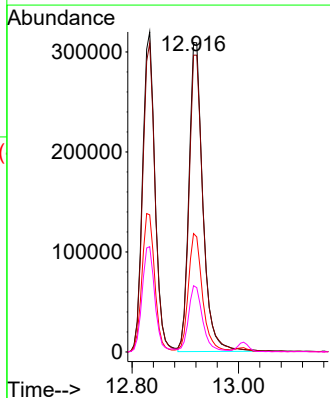
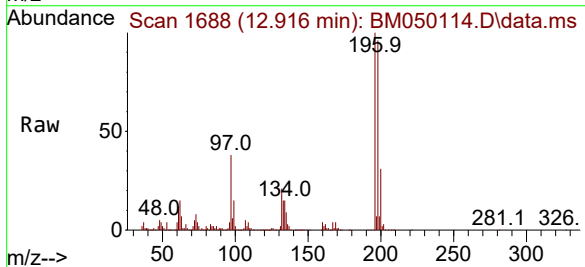


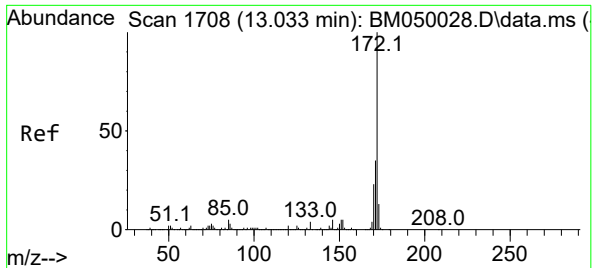
Tgt Ion:196 Resp: 517394
Ion Ratio Lower Upper
196 100
198 96.6 79.0 118.6
200 31.4 25.1 37.7



#44
2,4,5-Trichlorophenol
Concen: 42.402 ng
RT: 12.916 min Scan# 1688
Delta R.T. -0.018 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

Tgt Ion:196 Resp: 561291
Ion Ratio Lower Upper
196 100
198 95.9 76.7 115.1
97 38.2 30.1 45.1
132 21.4 16.6 25.0





#45

2-Fluorobiphenyl

Concen: 72.888 ng

RT: 13.010 min Scan# 1704

Delta R.T. -0.024 min

Lab File: BM050114.D

Acq: 06 May 2025 11:21

Instrument :

BNA_M

ClientSampleId :

PB167857BS

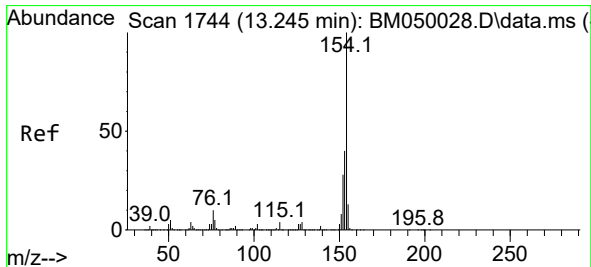
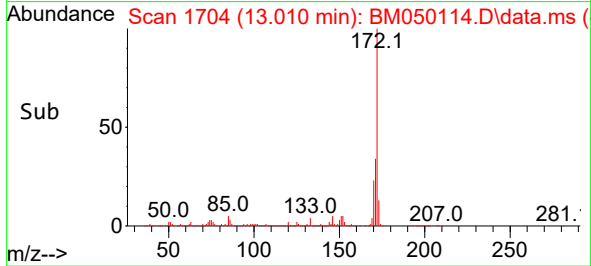
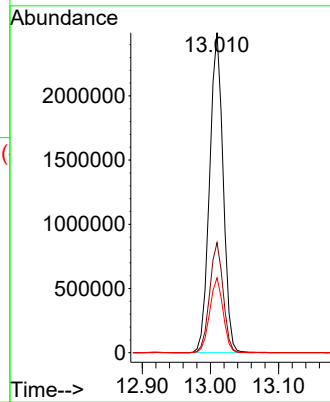
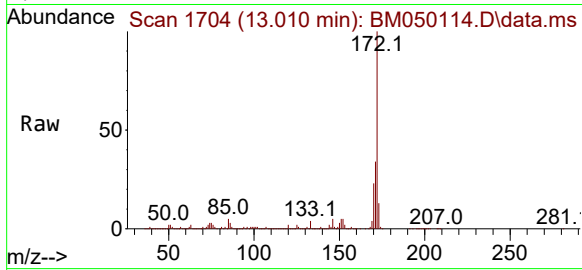
Tgt Ion:172 Resp: 3444742

Ion Ratio Lower Upper

172 100

171 34.4 27.8 41.6

170 23.4 18.6 28.0



#46

1,1'-Biphenyl

Concen: 40.159 ng

RT: 13.221 min Scan# 1740

Delta R.T. -0.024 min

Lab File: BM050114.D

Acq: 06 May 2025 11:21

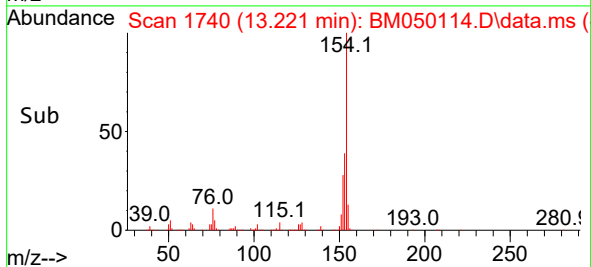
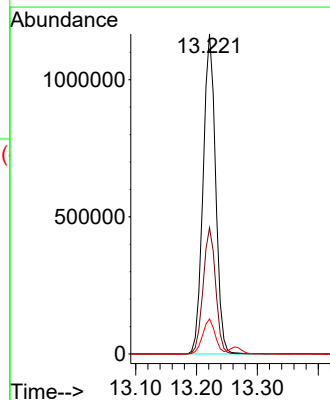
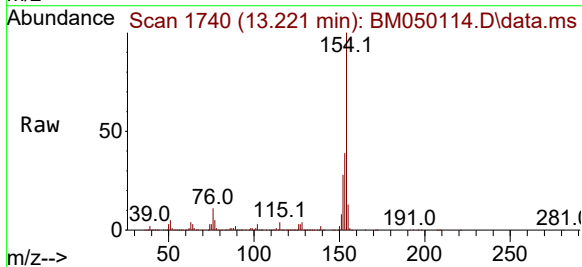
Tgt Ion:154 Resp: 1669025

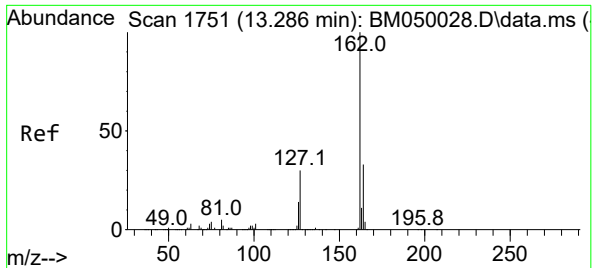
Ion Ratio Lower Upper

154 100

153 39.4 20.0 60.0

76 10.9 0.0 30.3

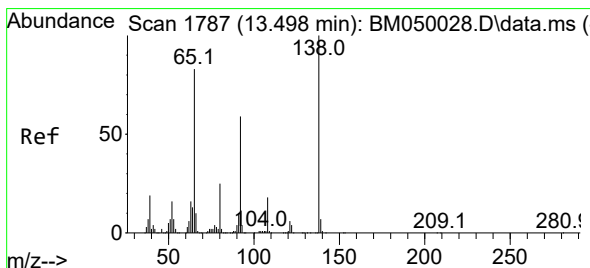
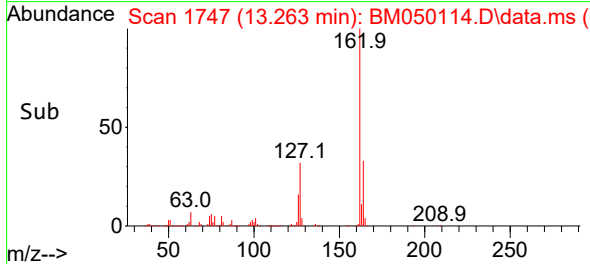
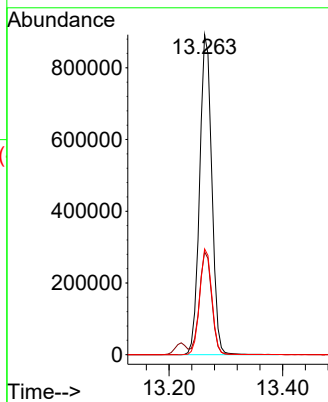
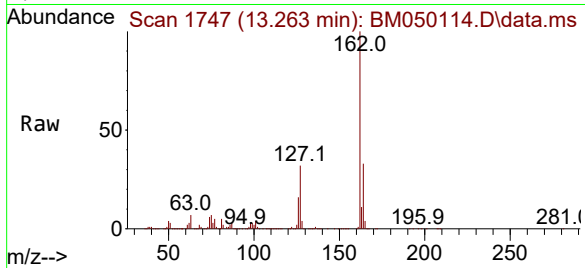




#47
2-Chloronaphthalene
Concen: 40.325 ng
RT: 13.263 min Scan# 1751
Delta R.T. -0.024 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

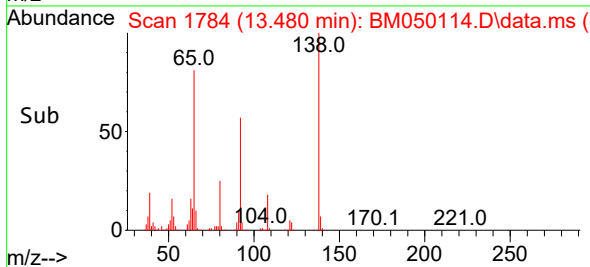
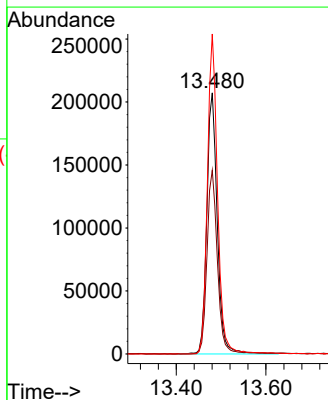
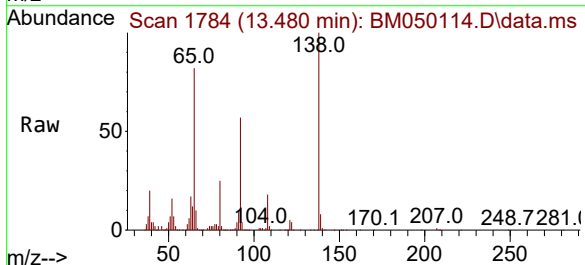
Instrument :
BNA_M
ClientSampleId :
PB167857BS

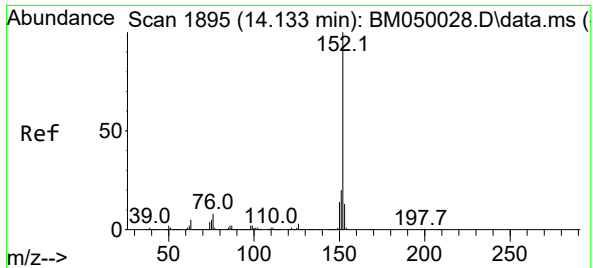
Tgt Ion:162 Resp: 1327323
Ion Ratio Lower Upper
162 100
127 32.2 25.9 38.9
164 33.0 26.6 40.0



#48
2-Nitroaniline
Concen: 43.606 ng
RT: 13.480 min Scan# 1784
Delta R.T. -0.018 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

Tgt Ion: 65 Resp: 336871
Ion Ratio Lower Upper
65 100
92 70.4 57.1 85.7
138 122.5 97.0 145.4

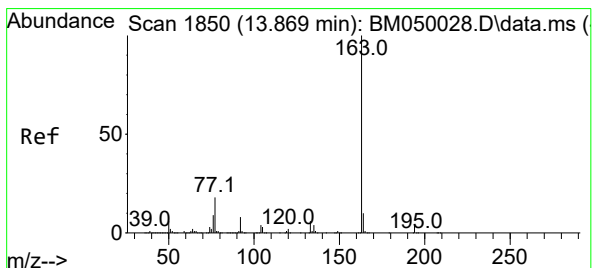
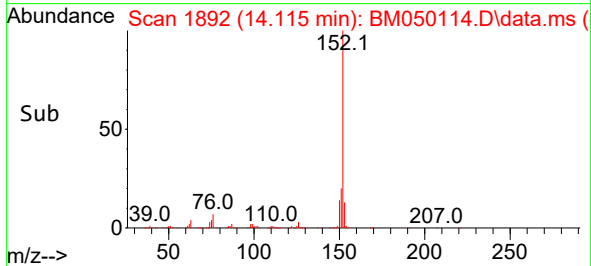
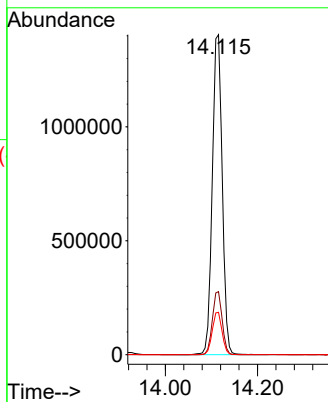
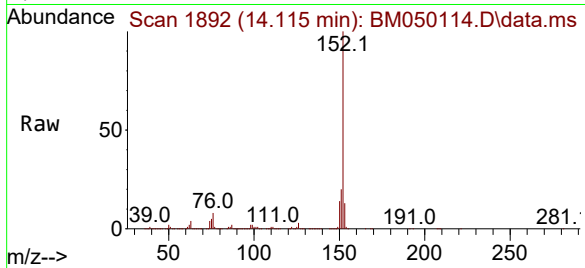




#49
Acenaphthylene
Concen: 40.453 ng
RT: 14.115 min Scan# 1892
Delta R.T. -0.018 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

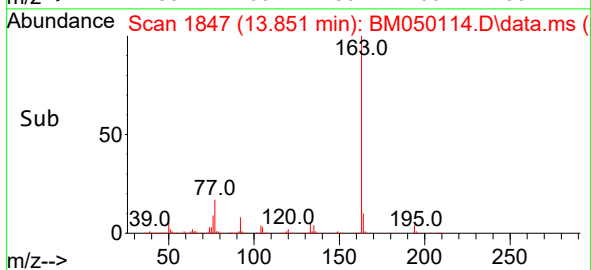
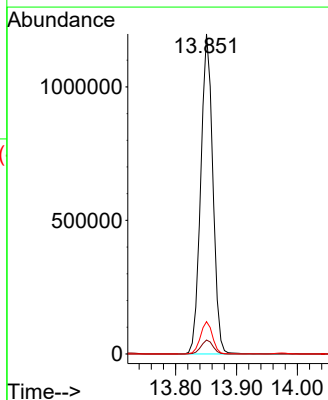
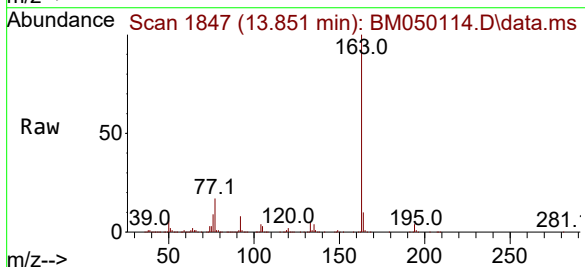
Instrument :
BNA_M
ClientSampleId :
PB167857BS

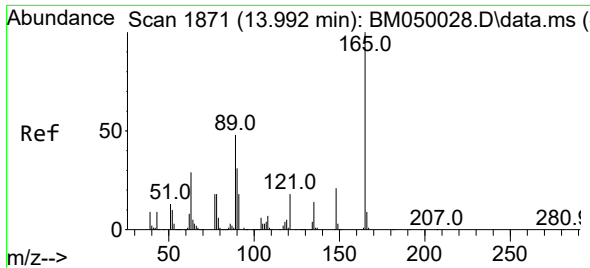
Tgt Ion:152 Resp: 2099404
Ion Ratio Lower Upper
152 100
151 19.7 15.8 23.8
153 13.3 10.6 15.8



#50
Dimethylphthalate
Concen: 40.412 ng
RT: 13.851 min Scan# 1847
Delta R.T. -0.018 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

Tgt Ion:163 Resp: 1651210
Ion Ratio Lower Upper
163 100
194 4.3 3.4 5.2
164 10.1 8.2 12.2

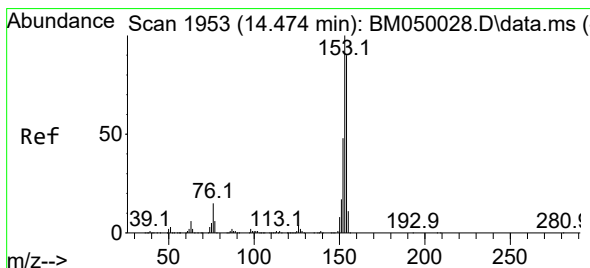
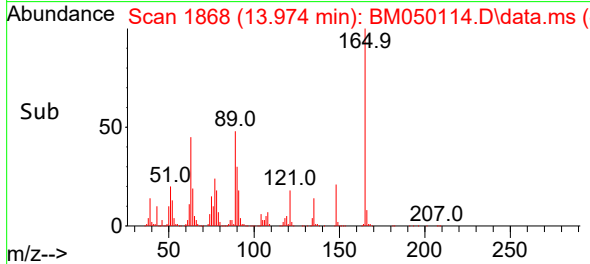
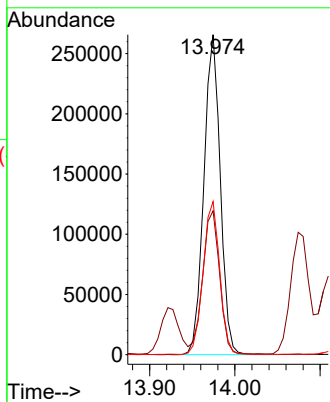
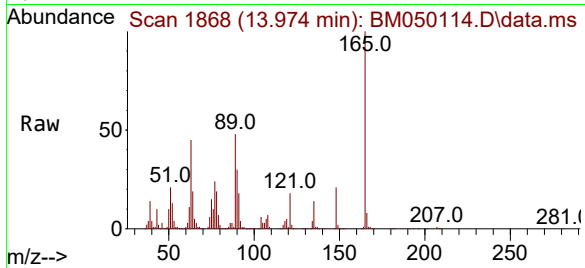




#51
2,6-Dinitrotoluene
Concen: 42.046 ng
RT: 13.974 min Scan# 1868
Delta R.T. -0.018 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

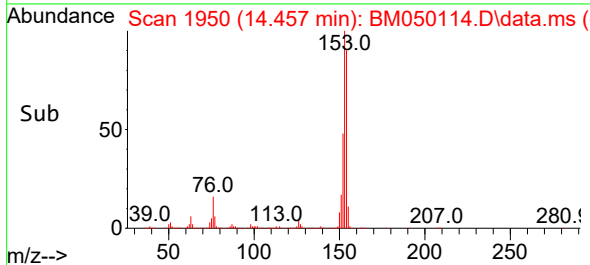
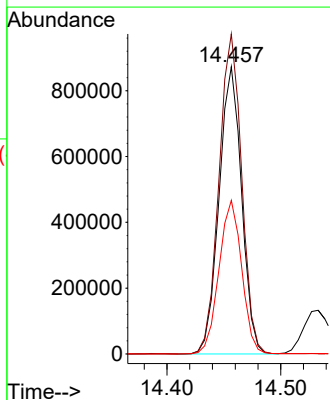
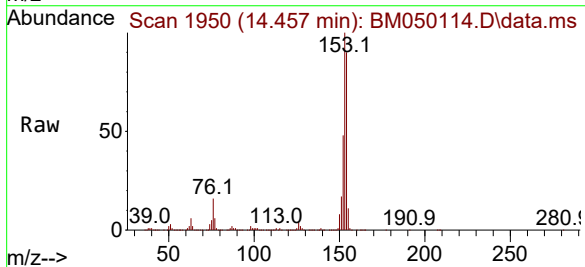
Instrument :
BNA_M
ClientSampleId :
PB167857BS

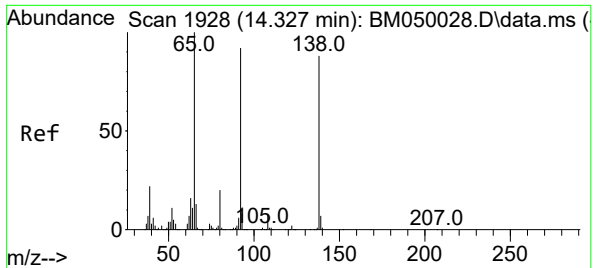
Tgt Ion:165 Resp: 355694
Ion Ratio Lower Upper
165 100
63 44.9 35.1 52.7
89 47.9 38.4 57.6



#52
Acenaphthene
Concen: 40.051 ng
RT: 14.457 min Scan# 1950
Delta R.T. -0.018 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

Tgt Ion:154 Resp: 1203147
Ion Ratio Lower Upper
154 100
153 111.4 89.0 133.4
152 53.4 43.0 64.6

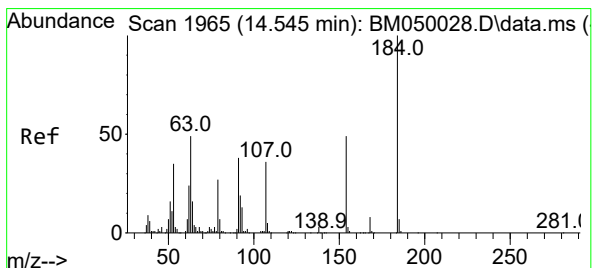
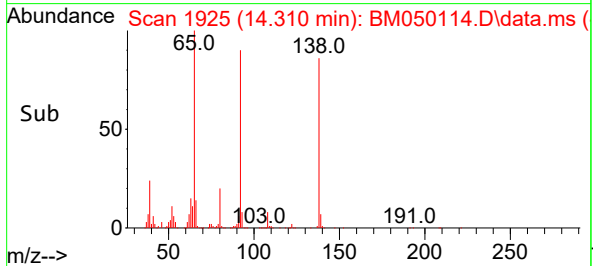
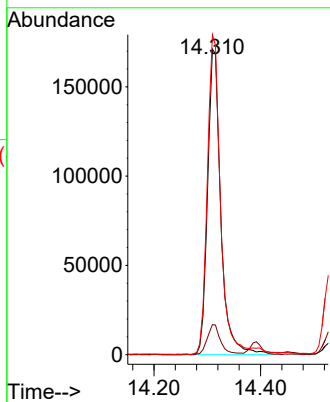
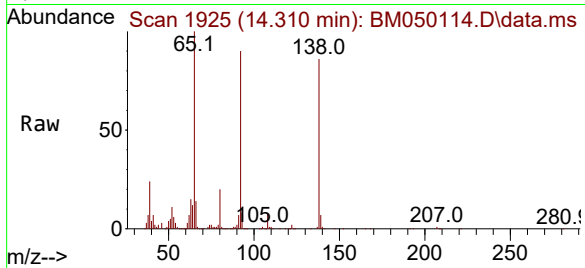




#53
3-Nitroaniline
Concen: 36.639 ng
RT: 14.310 min Scan# 1925
Delta R.T. -0.018 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

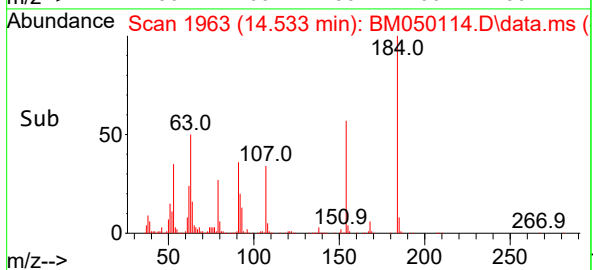
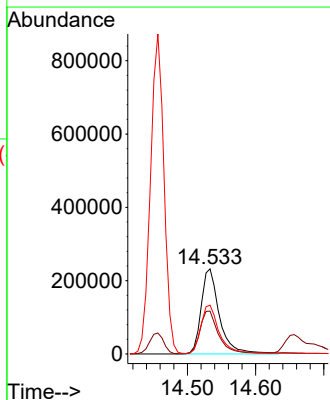
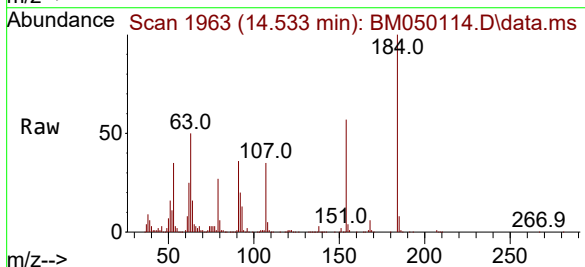
Instrument :
BNA_M
ClientSampleId :
PB167857BS

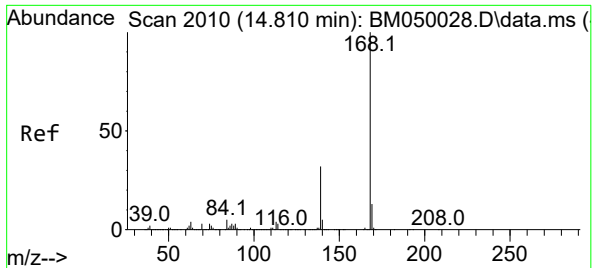
Tgt Ion:138 Resp: 295920
Ion Ratio Lower Upper
138 100
108 9.9 7.4 11.2
92 104.7 84.0 126.0



#54
2,4-Dinitrophenol
Concen: 79.924 ng
RT: 14.533 min Scan# 1963
Delta R.T. -0.012 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

Tgt Ion:184 Resp: 432668
Ion Ratio Lower Upper
184 100
63 50.3 39.8 59.6
154 57.2 46.1 69.1

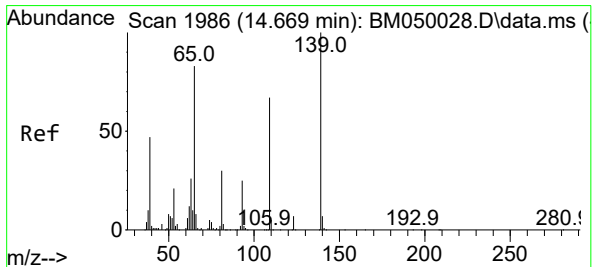
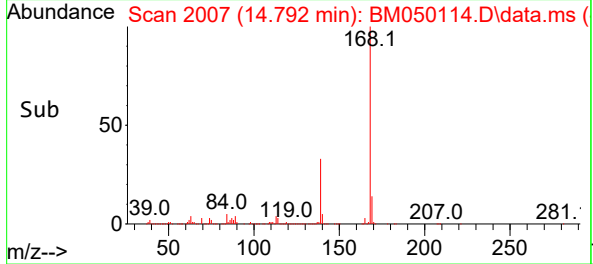
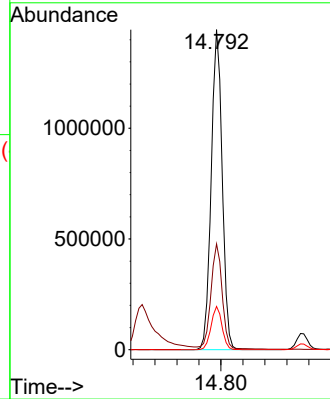
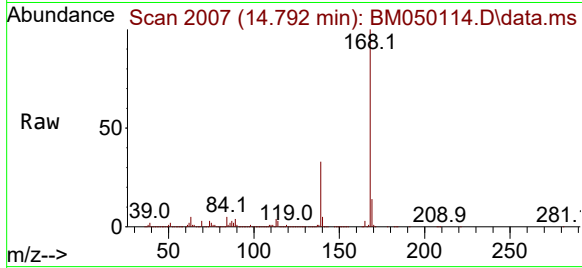




#55
Dibenzenofuran
Concen: 40.060 ng
RT: 14.792 min Scan# 2010
Delta R.T. -0.018 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

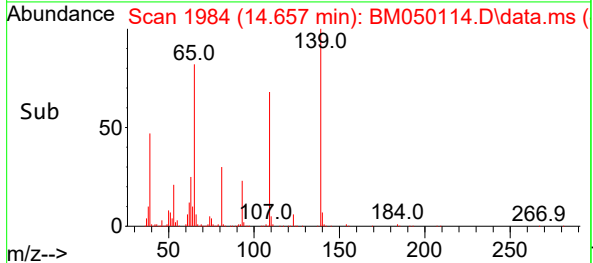
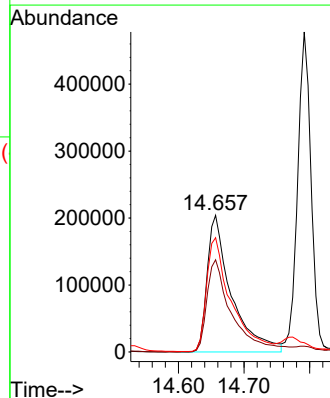
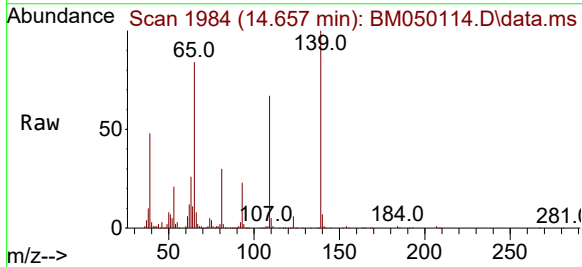
Instrument :
BNA_M
ClientSampleId :
PB167857BS

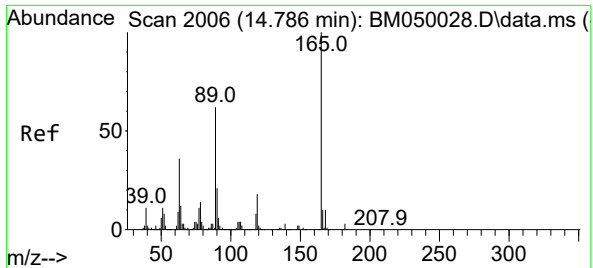
Tgt Ion:168 Resp: 2002230
Ion Ratio Lower Upper
168 100
139 33.1 26.1 39.1
169 13.5 10.8 16.2



#56
4-Nitrophenol
Concen: 79.602 ng
RT: 14.657 min Scan# 1984
Delta R.T. -0.012 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

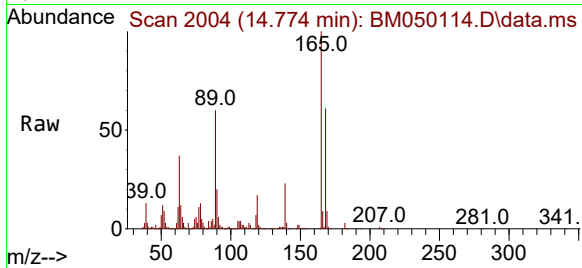
Tgt Ion:139 Resp: 522878
Ion Ratio Lower Upper
139 100
109 67.5 47.0 87.0
65 83.6 64.3 104.3



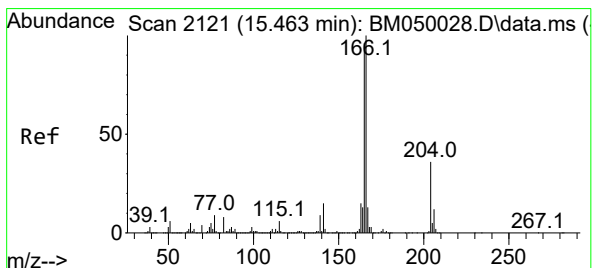
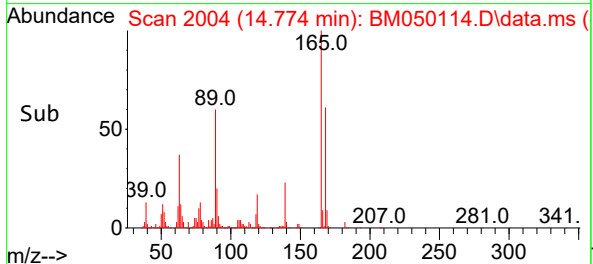
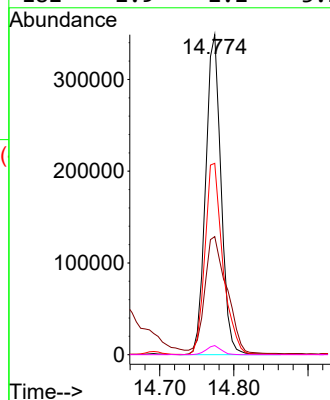


#57
2,4-Dinitrotoluene
Concen: 43.129 ng
RT: 14.774 min Scan# 2004
Delta R.T. -0.012 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

Instrument :
BNA_M
ClientSampleId :
PB167857BS

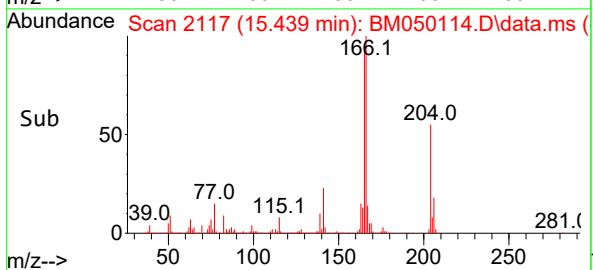
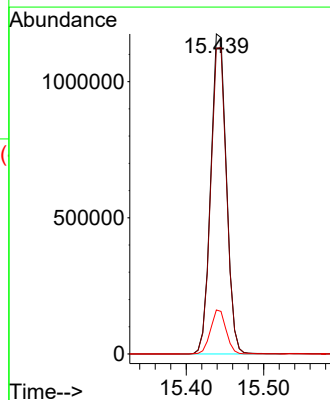
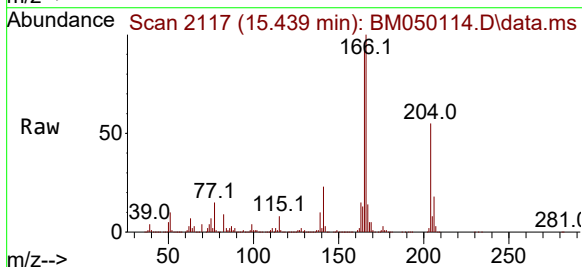


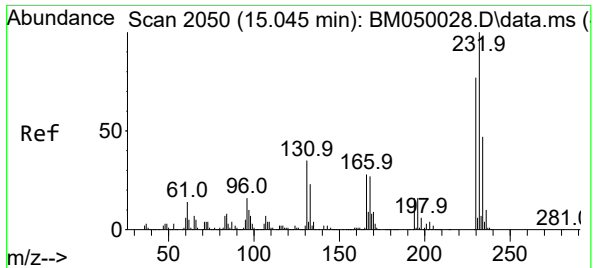
Tgt Ion:165 Resp: 504155
Ion Ratio Lower Upper
165 100
63 36.9 29.0 43.6
89 59.8 49.4 74.2
182 2.9 2.2 3.2



#58
Fluorene
Concen: 40.334 ng
RT: 15.439 min Scan# 2117
Delta R.T. -0.024 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

Tgt Ion:166 Resp: 1650055
Ion Ratio Lower Upper
166 100
165 95.5 76.6 115.0
167 13.8 10.6 16.0

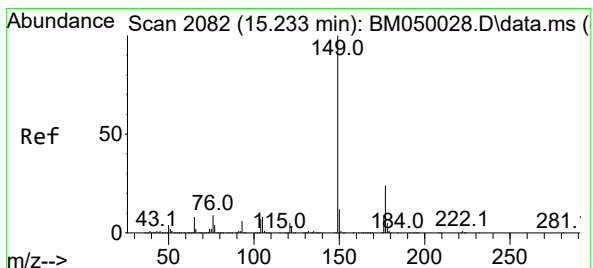
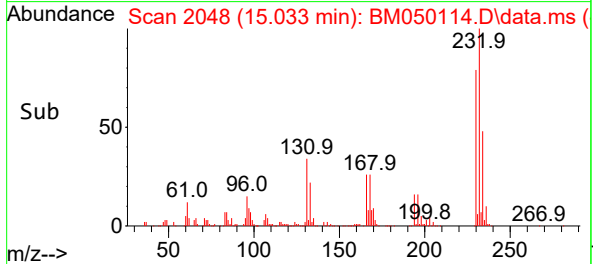
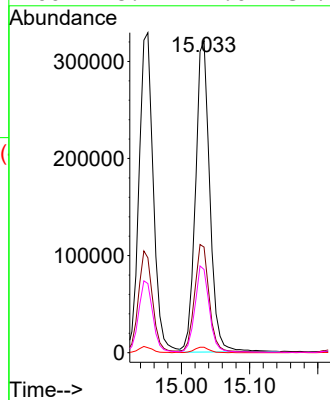
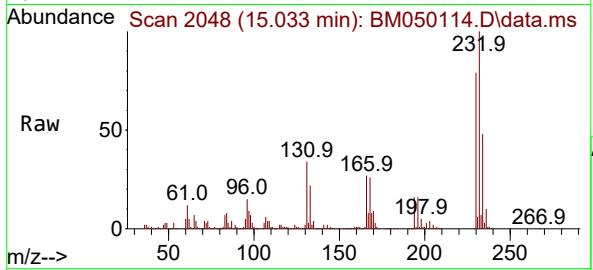




#59
2,3,4,6-Tetrachlorophenol
Concen: 40.700 ng
RT: 15.033 min Scan# 2050
Delta R.T. -0.012 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

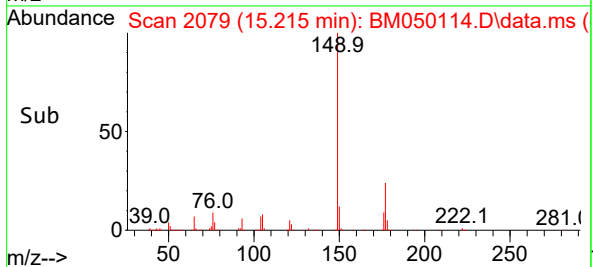
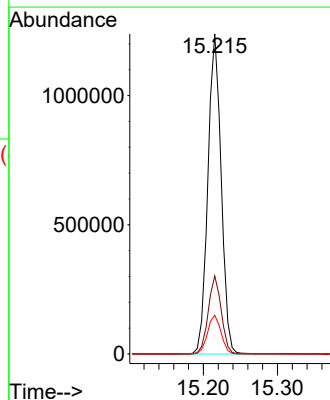
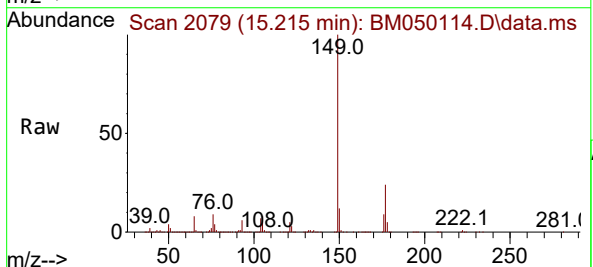
Instrument :
BNA_M
ClientSampleId :
PB167857BS

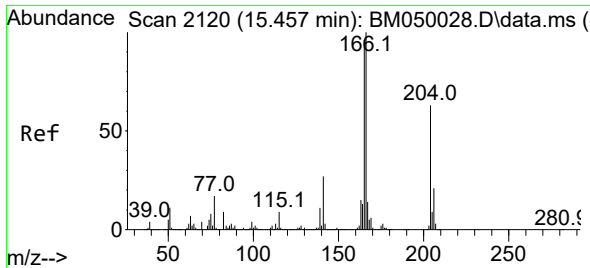
Tgt Ion:232 Resp: 466353
Ion Ratio Lower Upper
232 100
131 35.5 28.2 42.4
130 1.9 1.5 2.3
166 28.1 22.6 34.0



#60
Diethylphthalate
Concen: 40.017 ng
RT: 15.215 min Scan# 2079
Delta R.T. -0.018 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

Tgt Ion:149 Resp: 1540645
Ion Ratio Lower Upper
149 100
177 24.4 19.1 28.7
150 12.1 9.6 14.4

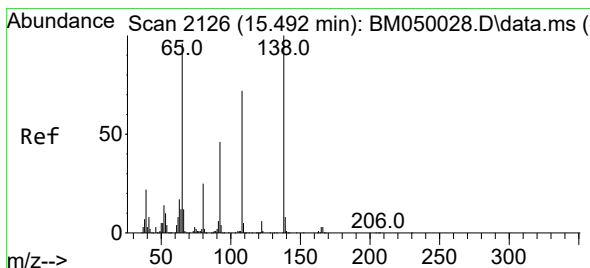
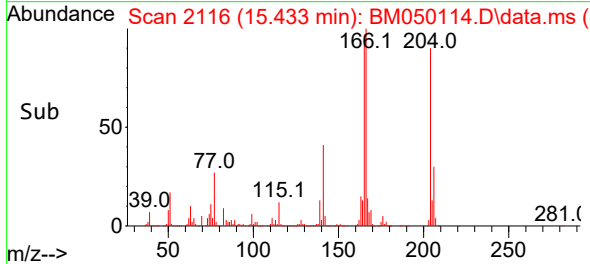
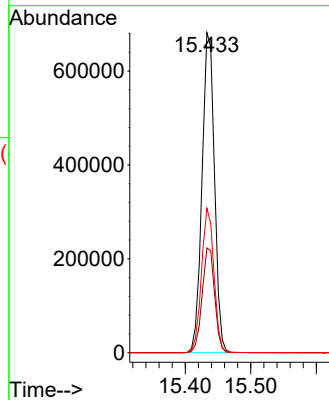
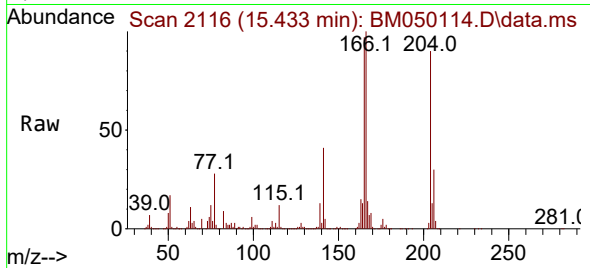




#61
4-Chlorophenyl-phenylether
Concen: 40.261 ng
RT: 15.433 min Scan# 2116
Delta R.T. -0.024 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

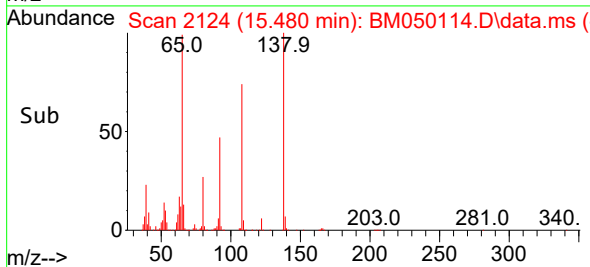
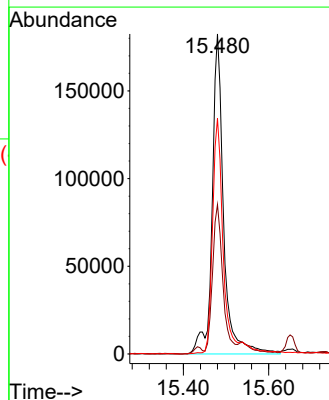
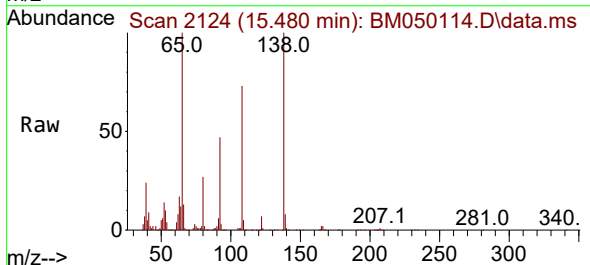
Instrument :
BNA_M
ClientSampleId :
PB167857BS

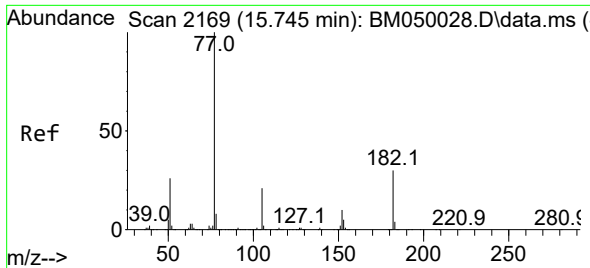
Tgt Ion:204 Resp: 904684
Ion Ratio Lower Upper
204 100
206 32.8 26.3 39.5
141 45.1 34.0 51.0



#62
4-Nitroaniline
Concen: 43.814 ng
RT: 15.480 min Scan# 2124
Delta R.T. -0.012 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

Tgt Ion:138 Resp: 341411
Ion Ratio Lower Upper
138 100
92 46.7 25.9 65.9
108 73.6 52.4 92.4

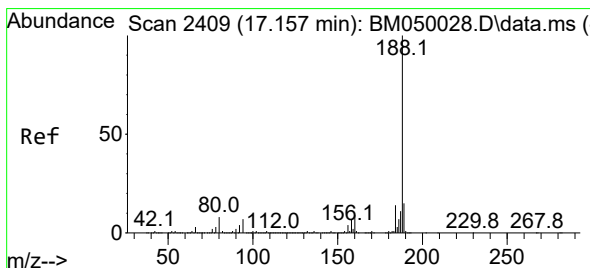
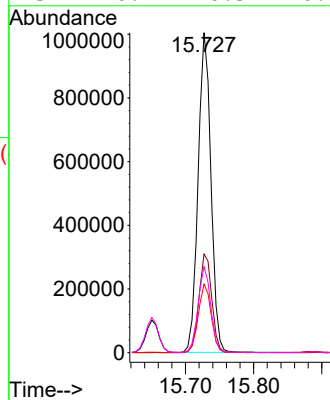
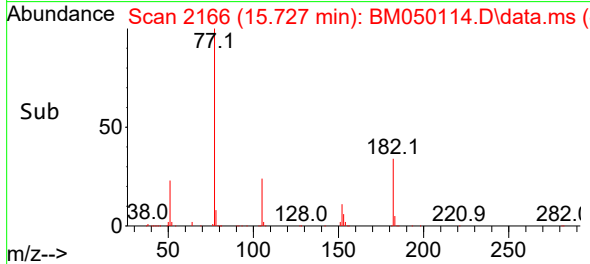
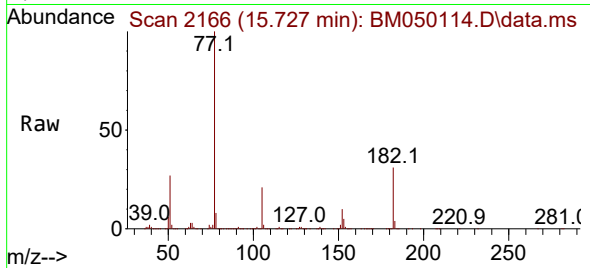




#63
Azobenzene
Concen: 40.653 ng
RT: 15.727 min Scan# 2166
Delta R.T. -0.018 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

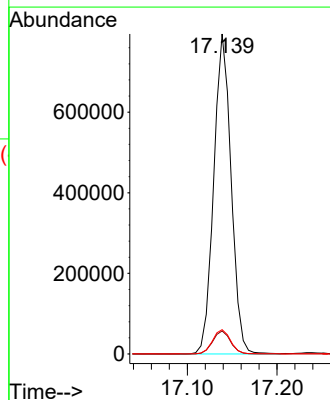
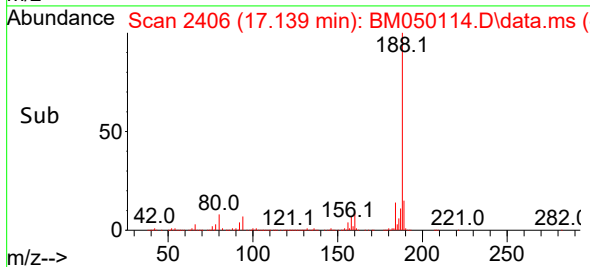
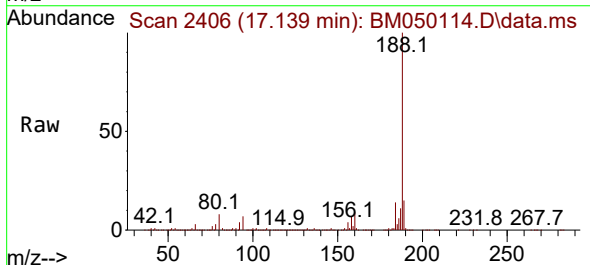
Instrument :
BNA_M
ClientSampleId :
PB167857BS

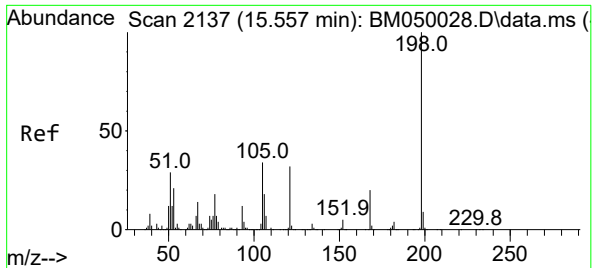
Tgt Ion: 77 Resp: 1311714
Ion Ratio Lower Upper
77 100
182 30.8 10.5 50.5
105 21.4 1.1 41.1
51 26.9 6.3 46.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.139 min Scan# 2406
Delta R.T. -0.018 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

Tgt Ion: 188 Resp: 1068022
Ion Ratio Lower Upper
188 100
94 7.2 5.7 8.5
80 7.6 6.2 9.4

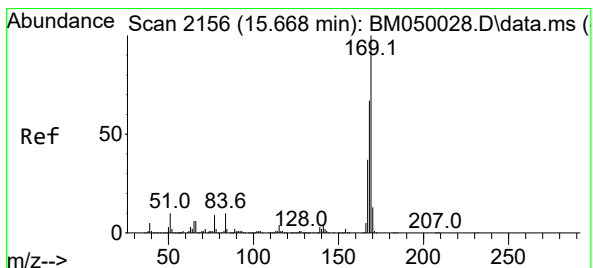
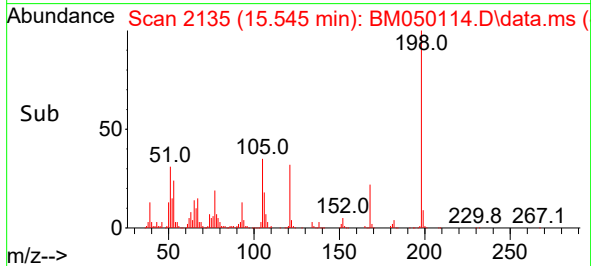
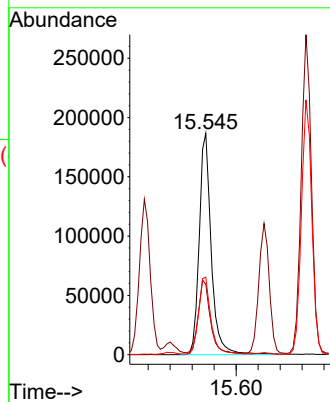
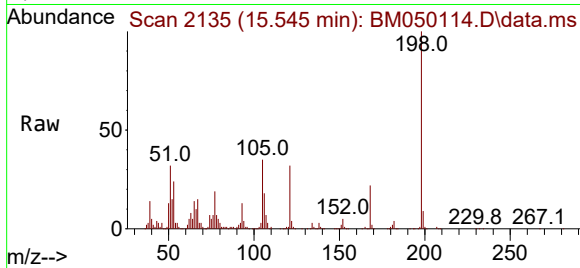




#65
4,6-Dinitro-2-methylphenol
Concen: 42.559 ng
RT: 15.545 min Scan# 2135
Delta R.T. -0.012 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

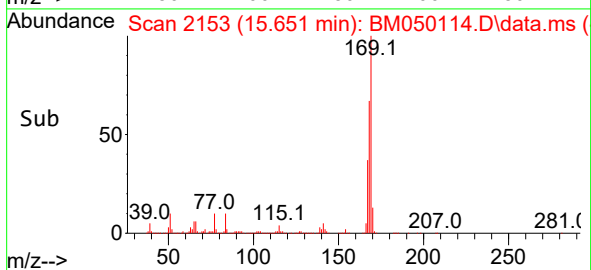
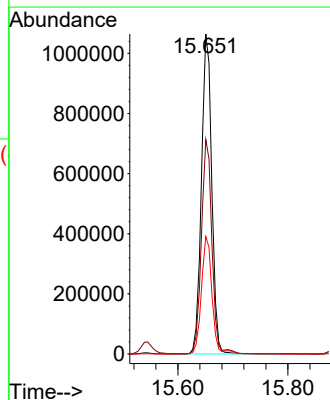
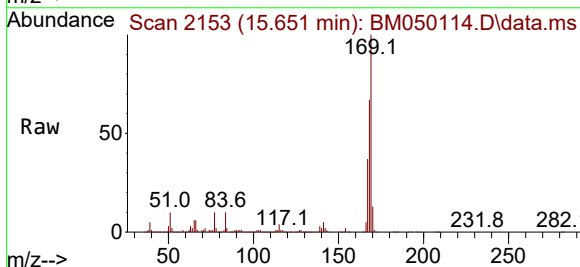
Instrument :
BNA_M
ClientSampleId :
PB167857BS

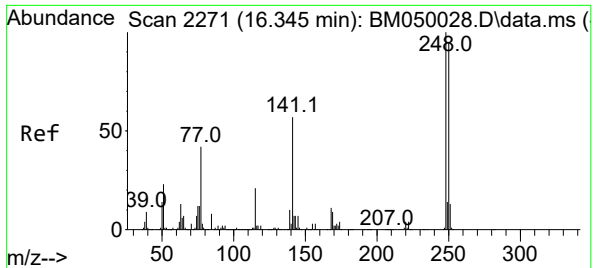
Tgt Ion:198 Resp: 284522
Ion Ratio Lower Upper
198 100
51 31.8 10.4 50.4
105 35.0 14.6 54.6



#66
n-Nitrosodiphenylamine
Concen: 42.380 ng
RT: 15.651 min Scan# 2153
Delta R.T. -0.018 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

Tgt Ion:169 Resp: 1389906
Ion Ratio Lower Upper
169 100
168 67.0 53.4 80.2
167 36.7 29.4 44.0

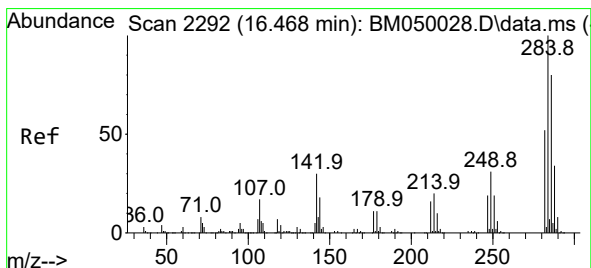
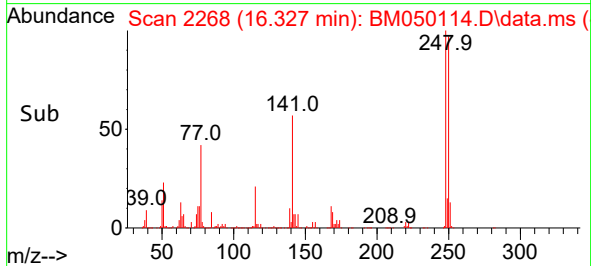
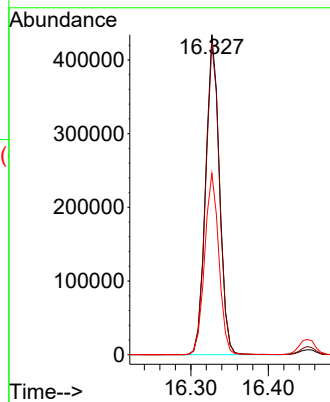
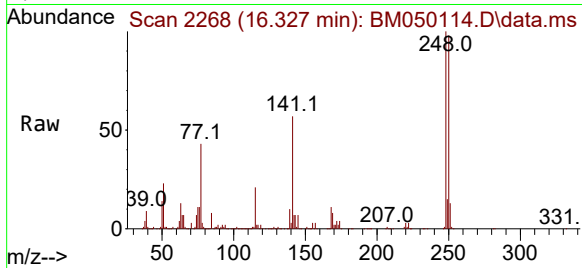




#67
4-Bromophenyl-phenylether
Concen: 41.533 ng
RT: 16.327 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

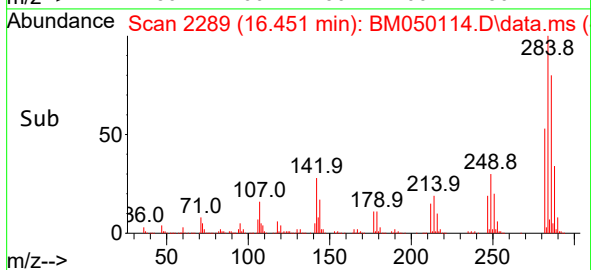
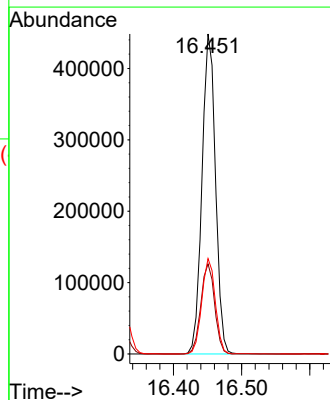
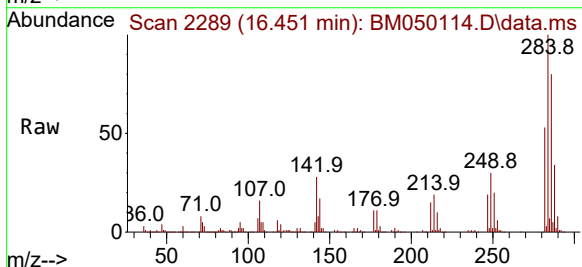
Instrument :
BNA_M
ClientSampleId :
PB167857BS

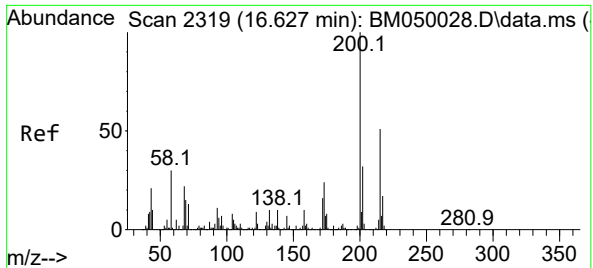
Tgt Ion:248 Resp: 536414
Ion Ratio Lower Upper
248 100
250 97.5 76.2 114.2
141 56.7 45.9 68.9



#68
Hexachlorobenzene
Concen: 41.477 ng
RT: 16.451 min Scan# 2289
Delta R.T. -0.018 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

Tgt Ion:284 Resp: 617494
Ion Ratio Lower Upper
284 100
142 28.1 23.9 35.9
249 29.8 24.5 36.7

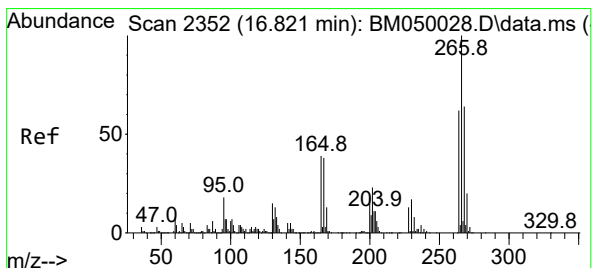
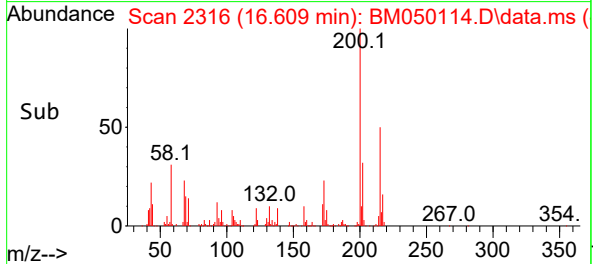
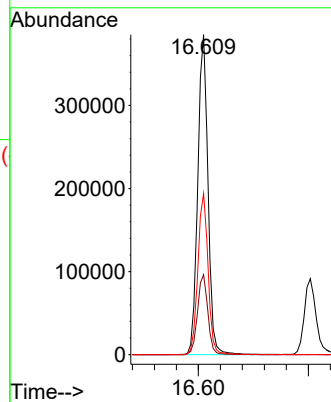
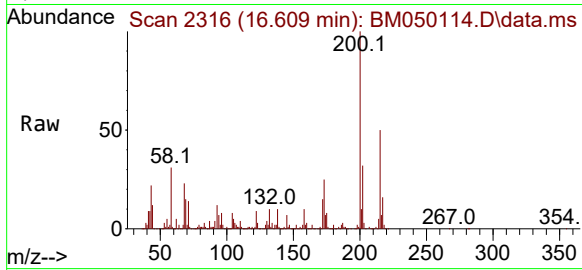




#69
Atrazine
Concen: 42.052 ng
RT: 16.609 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

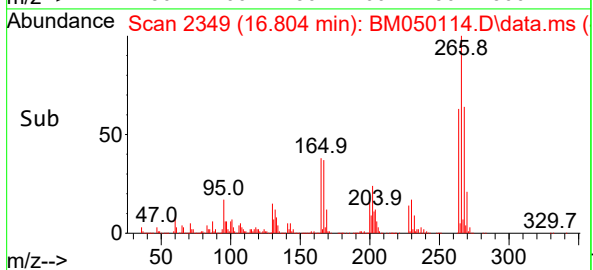
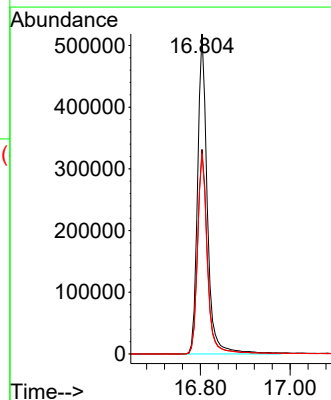
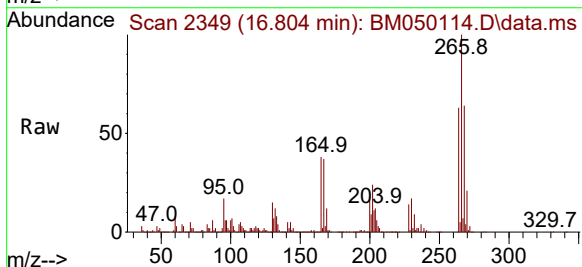
Instrument :
BNA_M
ClientSampleId :
PB167857BS

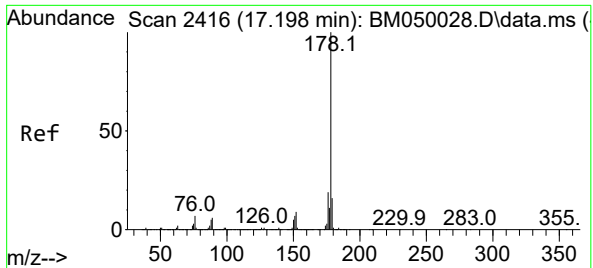
Tgt Ion:200 Resp: 497468
Ion Ratio Lower Upper
200 100
173 25.0 4.3 44.3
215 50.4 30.6 70.6



#70
Pentachlorophenol
Concen: 93.075 ng
RT: 16.804 min Scan# 2349
Delta R.T. -0.017 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

Tgt Ion:266 Resp: 779975
Ion Ratio Lower Upper
266 100
268 63.9 51.2 76.8
264 62.6 49.6 74.4

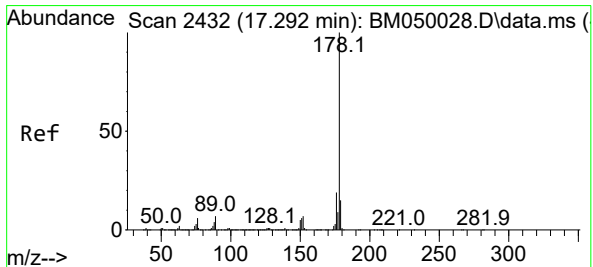
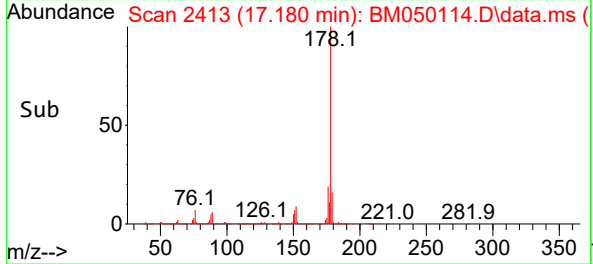
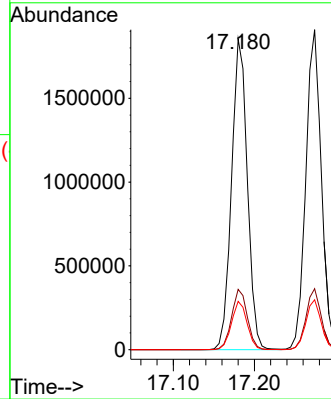
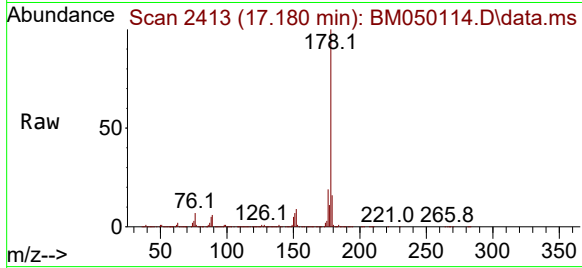




#71
Phenanthrene
Concen: 41.533 ng
RT: 17.180 min Scan# 2416
Delta R.T. -0.018 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

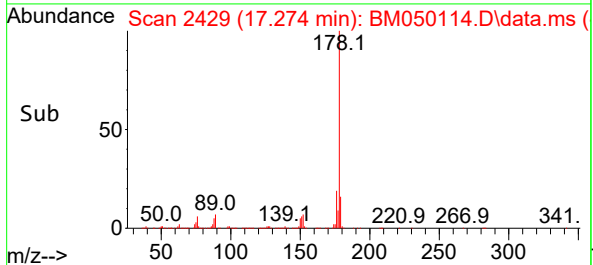
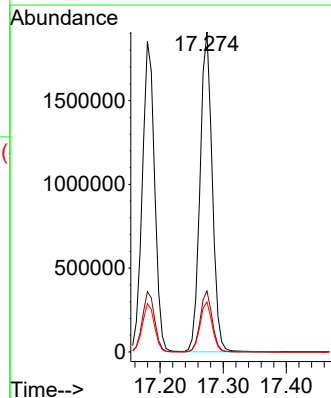
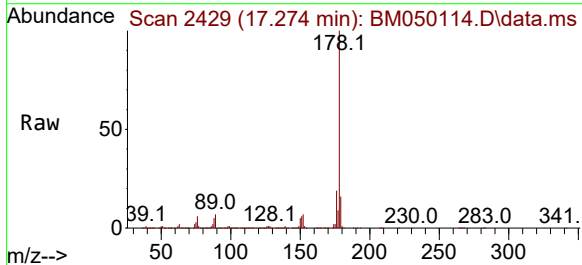
Instrument :
BNA_M
ClientSampleId :
PB167857BS

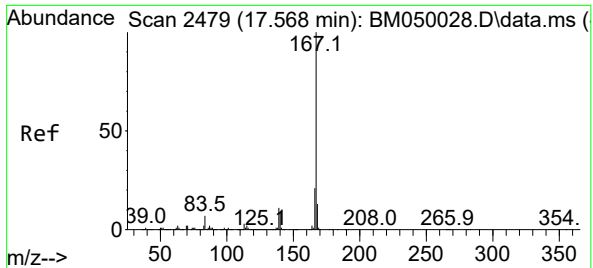
Tgt Ion:178 Resp: 2501885
Ion Ratio Lower Upper
178 100
176 19.4 15.3 22.9
179 15.6 12.4 18.6



#72
Anthracene
Concen: 41.849 ng
RT: 17.274 min Scan# 2429
Delta R.T. -0.018 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

Tgt Ion:178 Resp: 2551141
Ion Ratio Lower Upper
178 100
176 19.1 15.0 22.4
179 15.6 12.2 18.4

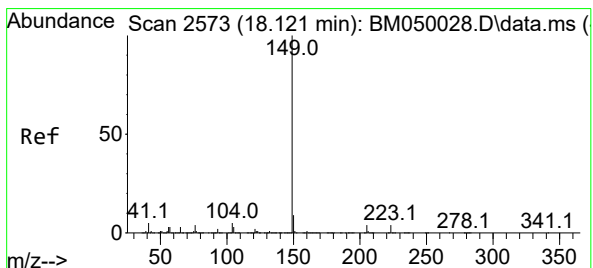
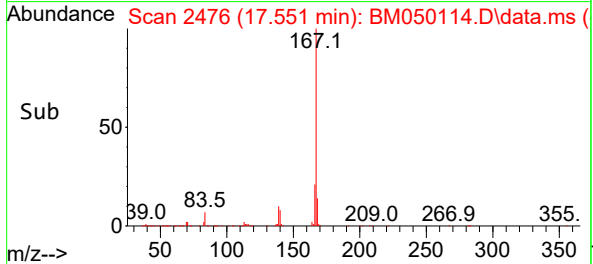
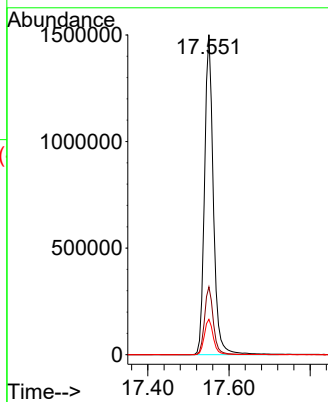
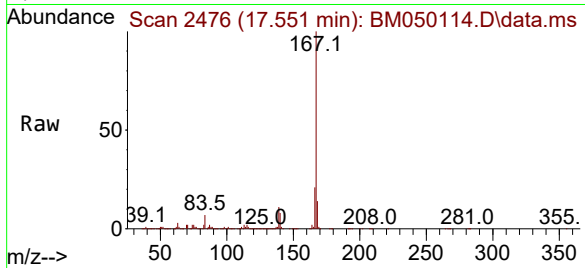




#73
Carbazole
Concen: 42.641 ng
RT: 17.551 min Scan# 24
Delta R.T. -0.018 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

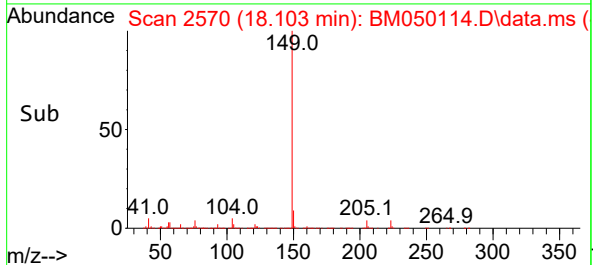
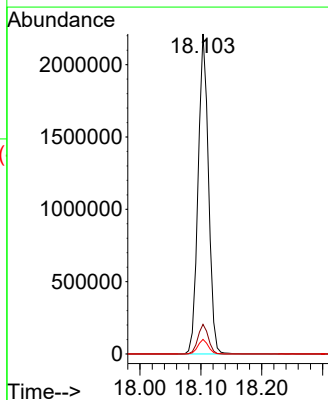
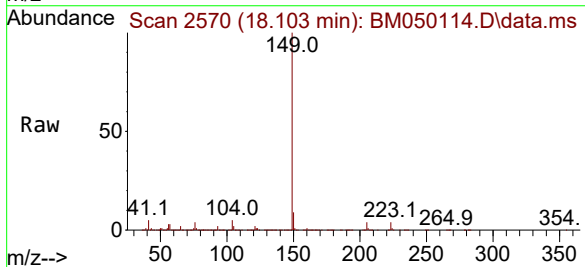
Instrument :
BNA_M
ClientSampleId :
PB167857BS

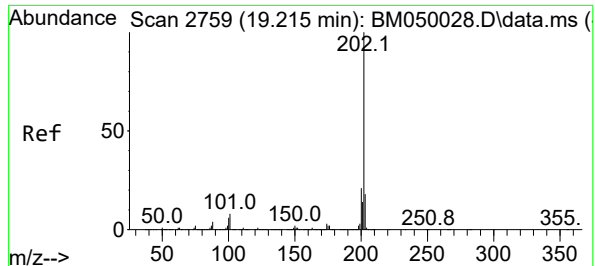
Tgt Ion:167 Resp: 2255638
Ion Ratio Lower Upper
167 100
166 21.2 17.2 25.8
139 11.0 9.0 13.6



#74
Di-n-butylphthalate
Concen: 41.553 ng
RT: 18.103 min Scan# 2570
Delta R.T. -0.018 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

Tgt Ion:149 Resp: 2617615
Ion Ratio Lower Upper
149 100
150 9.2 7.3 10.9
104 4.6 3.8 5.6

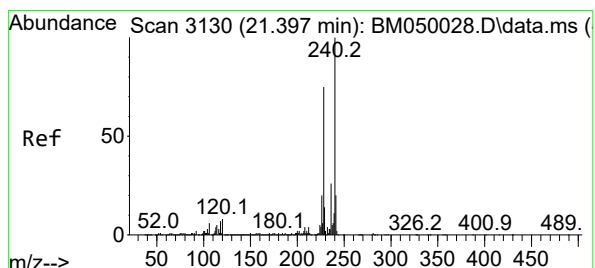
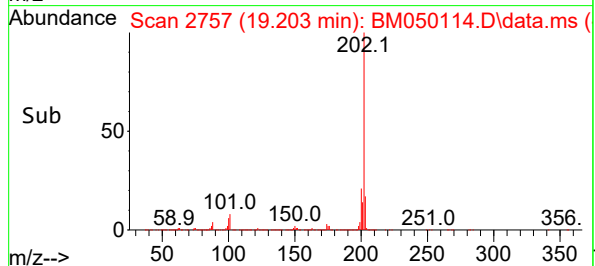
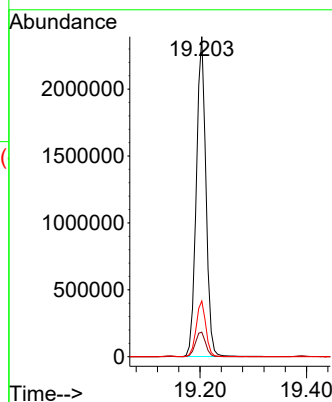
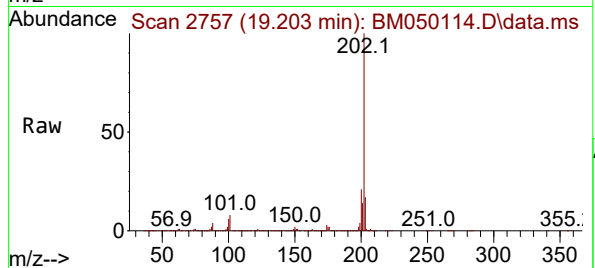




#75
Fluoranthene
Concen: 42.287 ng
RT: 19.203 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

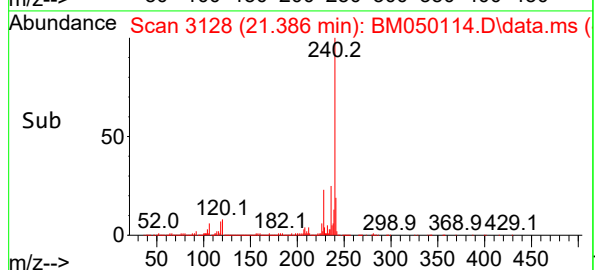
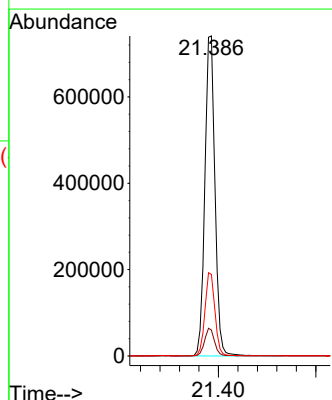
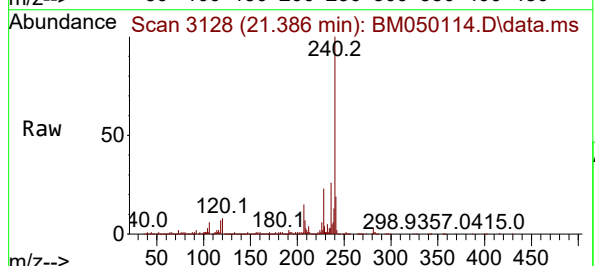
Instrument :
BNA_M
ClientSampleId :
PB167857BS

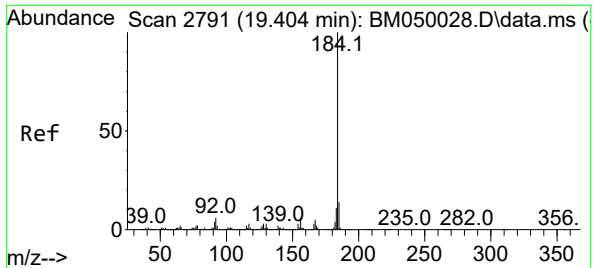
Tgt Ion:202 Resp: 2990675
Ion Ratio Lower Upper
202 100
101 7.7 0.0 28.0
203 17.4 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.386 min Scan# 3128
Delta R.T. -0.011 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

Tgt Ion:240 Resp: 1067615
Ion Ratio Lower Upper
240 100
120 8.1 6.5 9.7
236 25.5 20.9 31.3

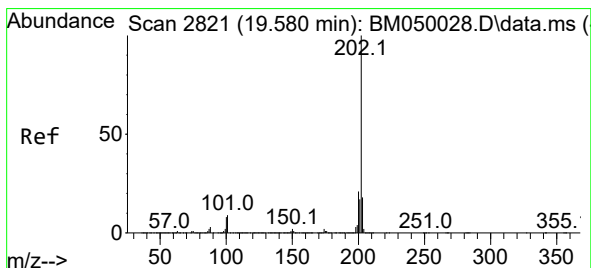
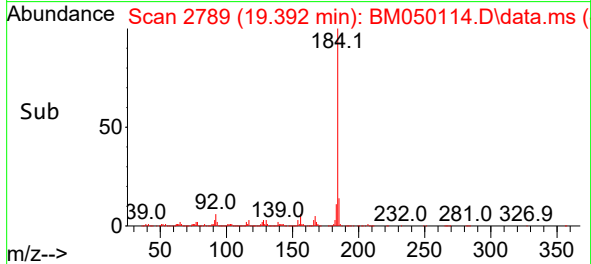
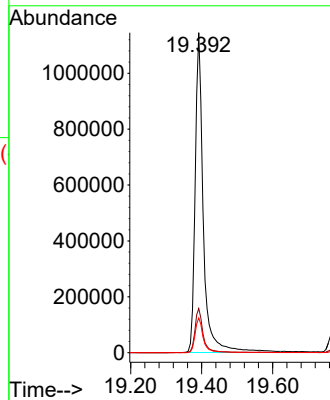
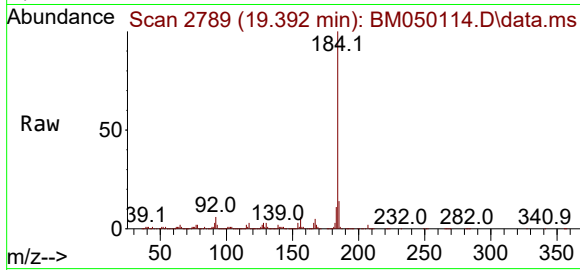




#77
Benzidine
Concen: 48.606 ng
RT: 19.392 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

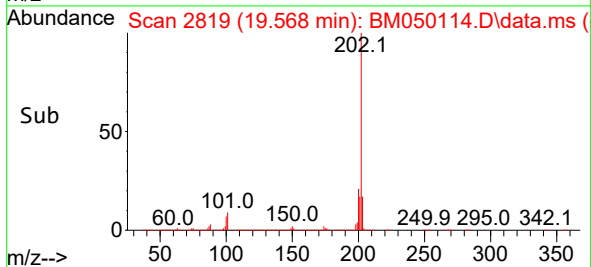
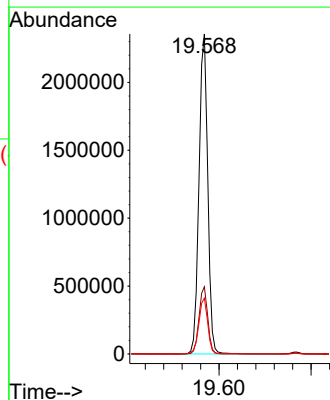
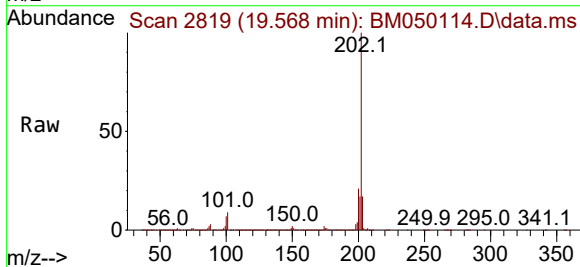
Instrument :
BNA_M
ClientSampleId :
PB167857BS

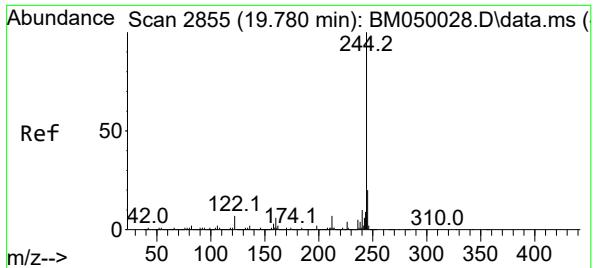
Tgt Ion:184 Resp: 1843260
Ion Ratio Lower Upper
184 100
185 13.8 11.5 17.3
183 10.8 8.9 13.3



#78
Pyrene
Concen: 41.180 ng
RT: 19.568 min Scan# 2819
Delta R.T. -0.012 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

Tgt Ion:202 Resp: 3087294
Ion Ratio Lower Upper
202 100
200 21.0 16.7 25.1
203 17.4 14.1 21.1

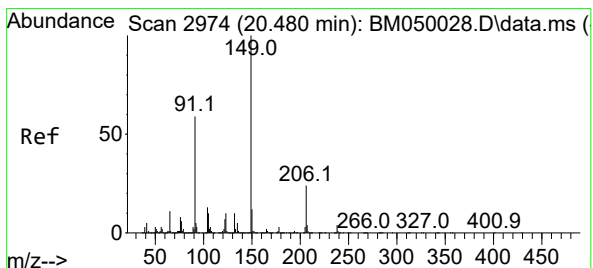
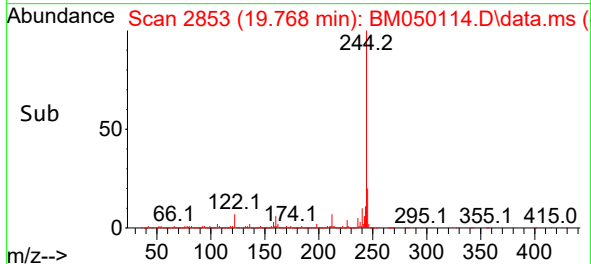
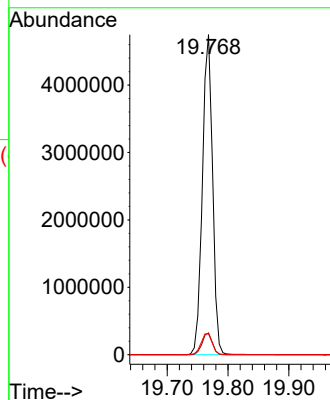
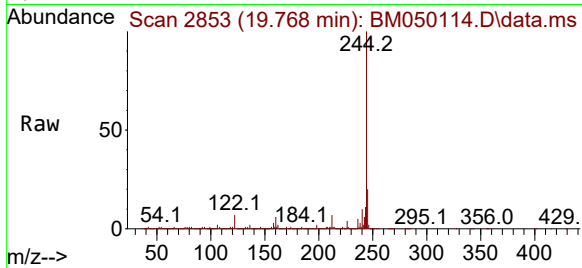




#79
Terphenyl-d14
Concen: 76.361 ng
RT: 19.768 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

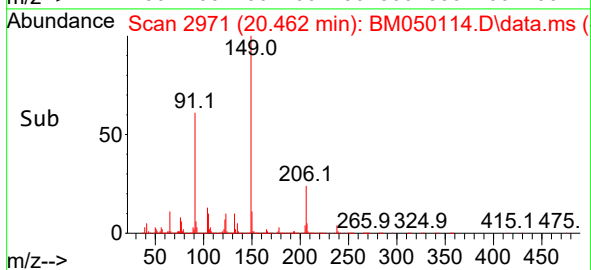
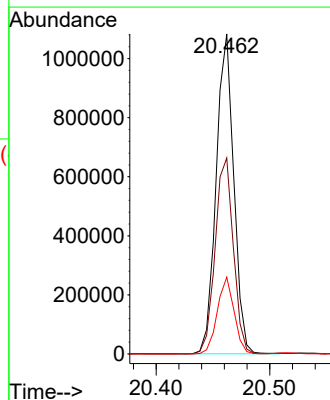
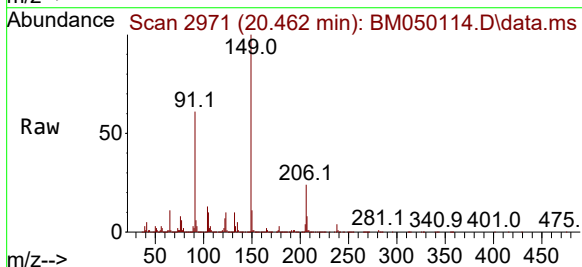
Instrument :
BNA_M
ClientSampleId :
PB167857BS

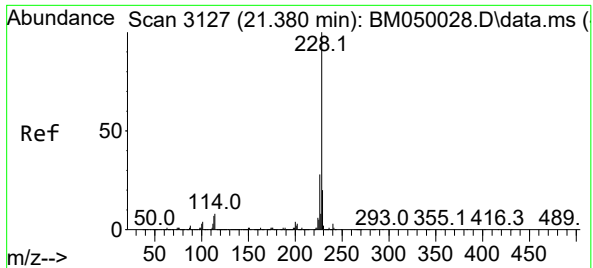
Tgt Ion:244 Resp: 5509327
Ion Ratio Lower Upper
244 100
212 6.8 5.6 8.4
122 6.5 5.6 8.4



#80
Butylbenzylphthalate
Concen: 41.552 ng
RT: 20.462 min Scan# 2971
Delta R.T. -0.018 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

Tgt Ion:149 Resp: 1166761
Ion Ratio Lower Upper
149 100
91 61.2 47.4 71.2
206 24.0 19.4 29.0

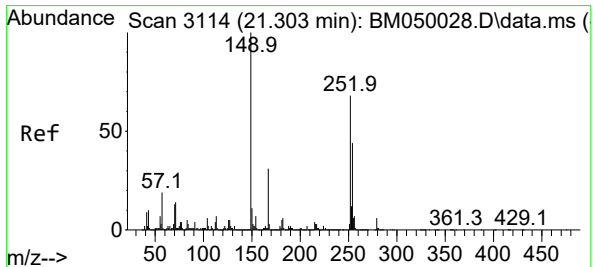
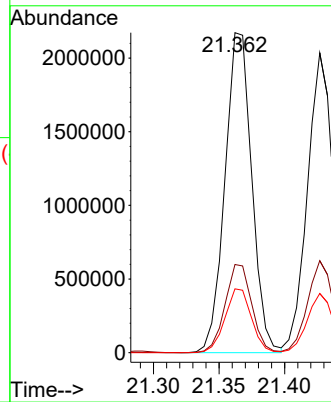
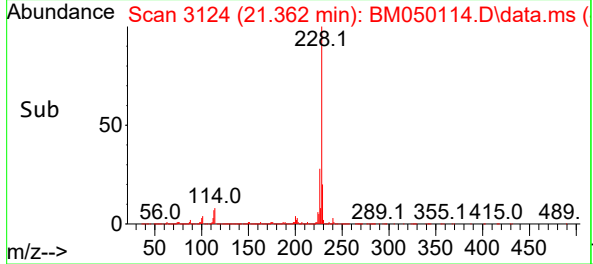
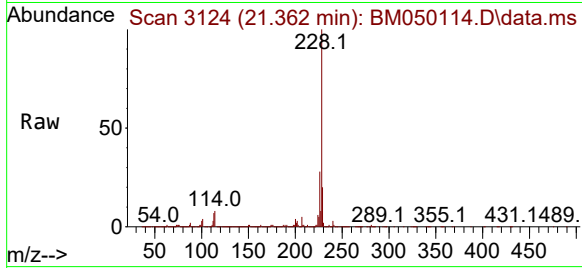




#81
Benzo(a)anthracene
Concen: 42.124 ng
RT: 21.362 min Scan# 3112
Delta R.T. -0.018 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

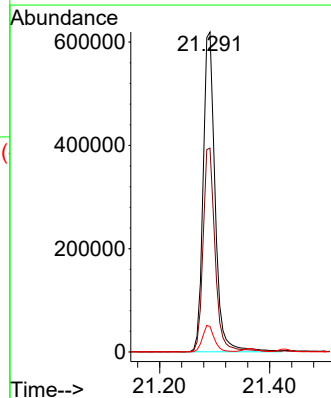
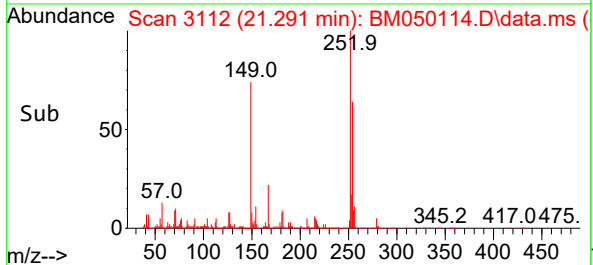
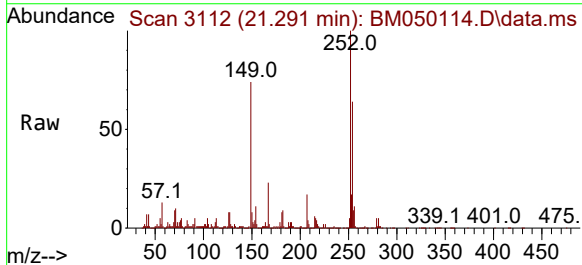
Instrument :
BNA_M
ClientSampleId :
PB167857BS

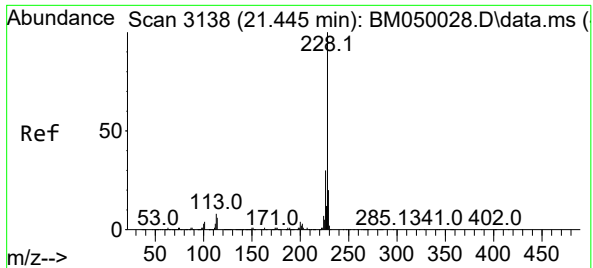
Tgt Ion:228 Resp: 3096912
Ion Ratio Lower Upper
228 100
226 27.5 22.1 33.1
229 20.0 15.7 23.5



#82
3,3'-Dichlorobenzidine
Concen: 33.400 ng
RT: 21.291 min Scan# 3112
Delta R.T. -0.012 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

Tgt Ion:252 Resp: 939990
Ion Ratio Lower Upper
252 100
254 63.7 51.8 77.6
126 8.0 6.0 9.0

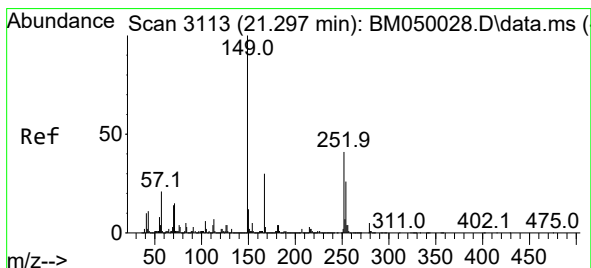
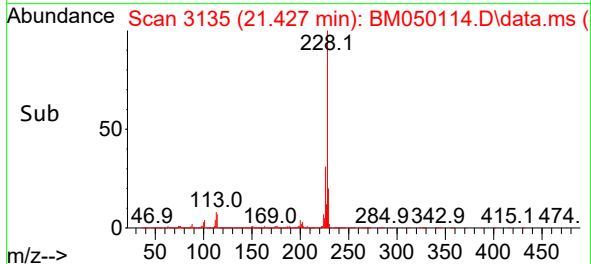
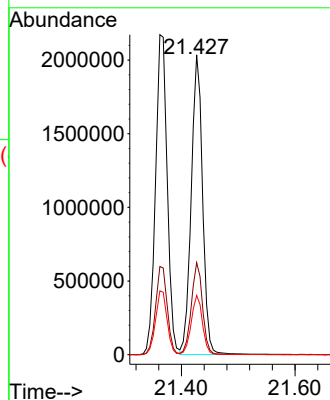
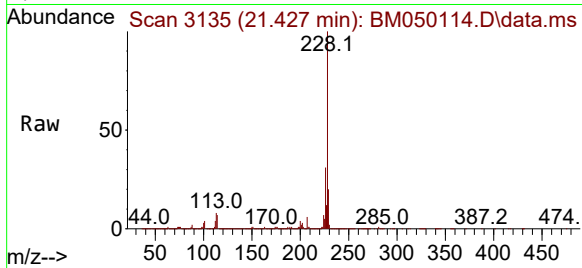




#83
Chrysene
Concen: 41.500 ng
RT: 21.427 min Scan# 3110
Delta R.T. -0.018 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

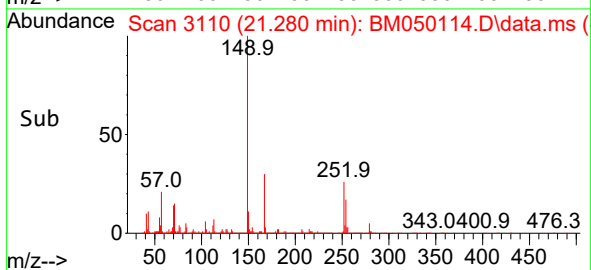
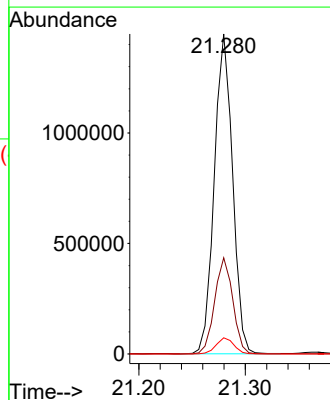
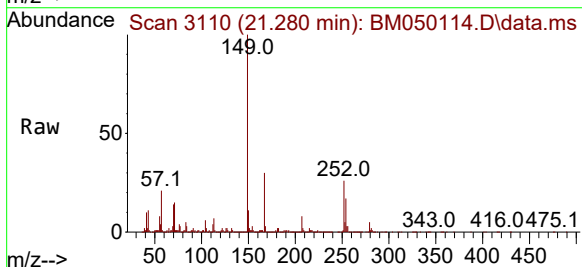
Instrument :
BNA_M
ClientSampleId :
PB167857BS

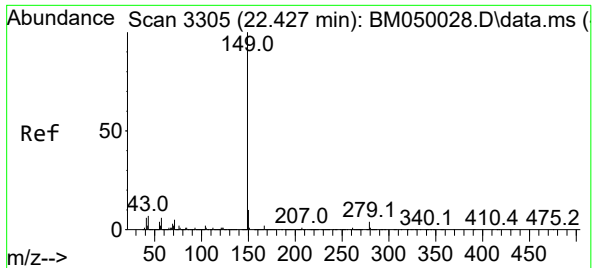
Tgt Ion:228 Resp: 2823801
Ion Ratio Lower Upper
228 100
226 30.7 24.2 36.2
229 19.7 15.7 23.5



#84
Bis(2-ethylhexyl)phthalate
Concen: 41.006 ng
RT: 21.280 min Scan# 3110
Delta R.T. -0.018 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

Tgt Ion:149 Resp: 1719849
Ion Ratio Lower Upper
149 100
167 30.0 24.1 36.1
279 5.1 3.9 5.9

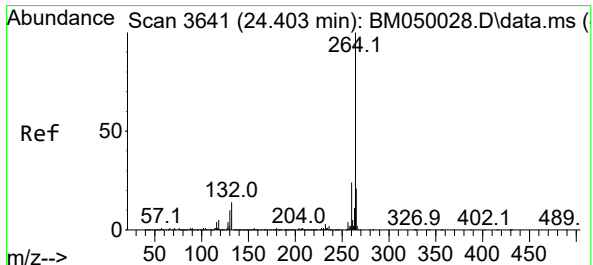
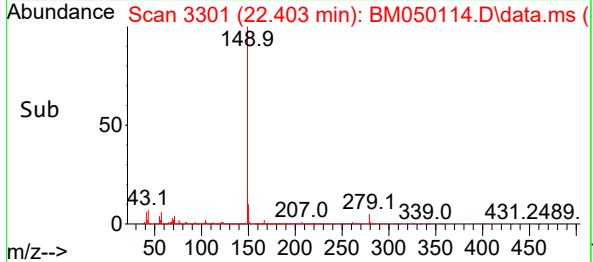
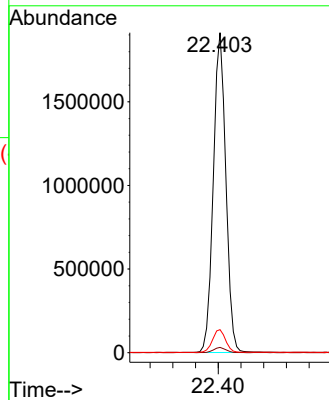
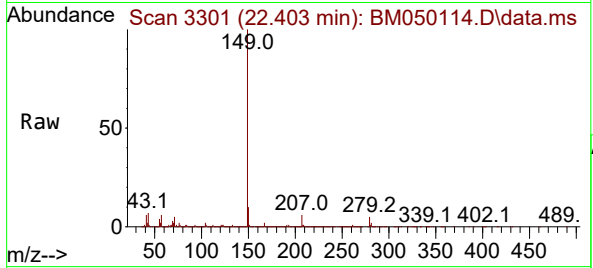




#85
Di-n-octyl phthalate
Concen: 42.000 ng
RT: 22.403 min Scan# 31
Delta R.T. -0.024 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

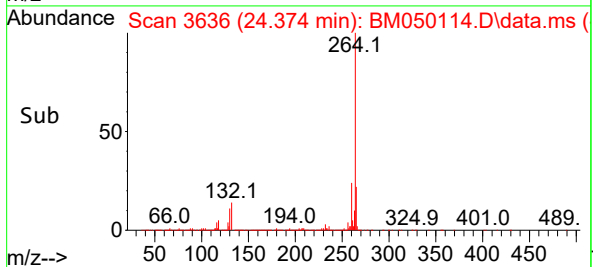
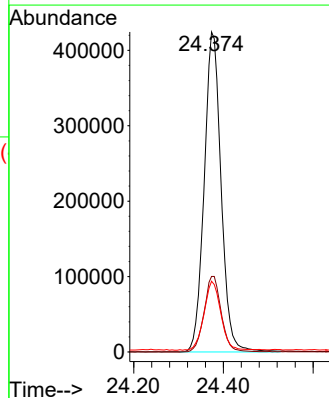
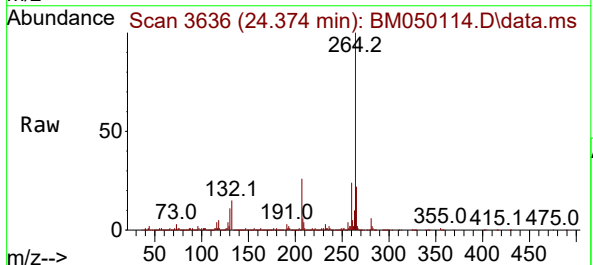
Instrument :
BNA_M
ClientSampleId :
PB167857BS

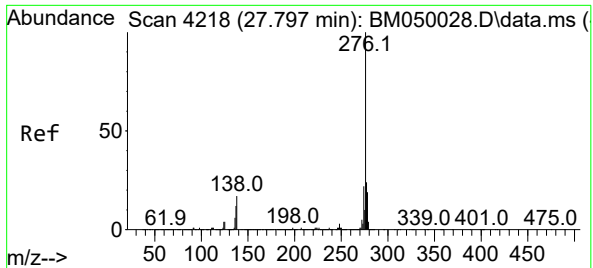
Tgt Ion:149 Resp: 2905066
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 7.5 5.8 8.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.374 min Scan# 3636
Delta R.T. -0.030 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

Tgt Ion:264 Resp: 1110219
Ion Ratio Lower Upper
264 100
260 23.6 18.8 28.2
265 22.1 17.0 25.4

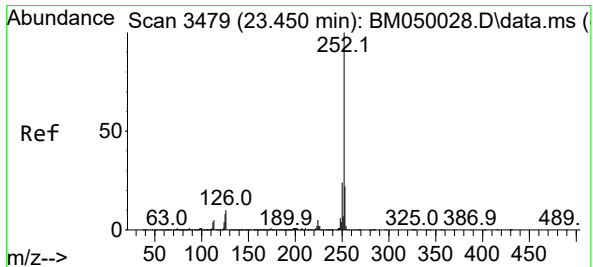
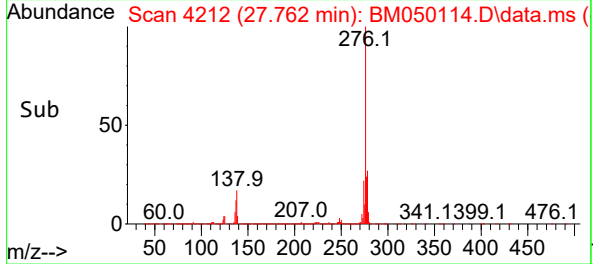
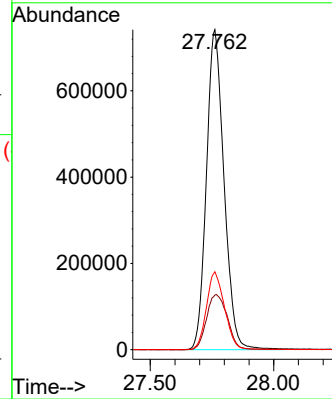
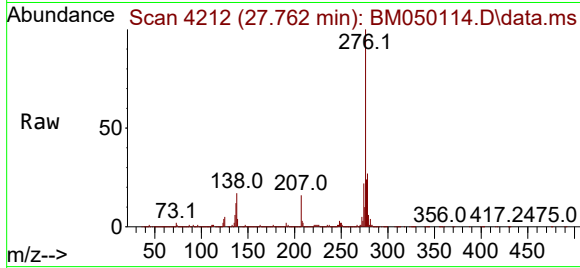




#87
Indeno(1,2,3-cd)pyrene
Concen: 44.382 ng
RT: 27.762 min Scan# 41
Delta R.T. -0.035 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

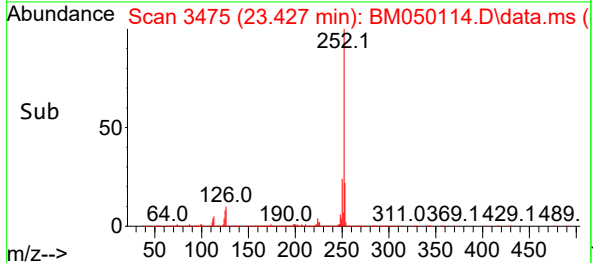
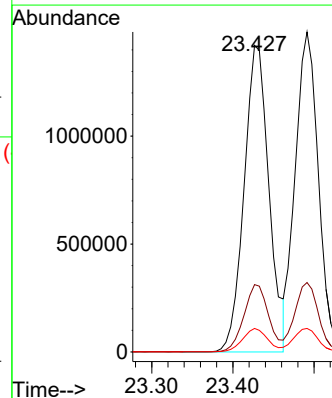
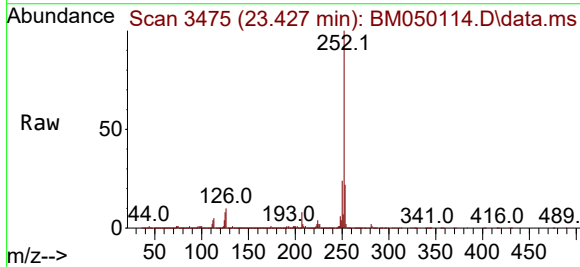
Instrument :
BNA_M
ClientSampleId :
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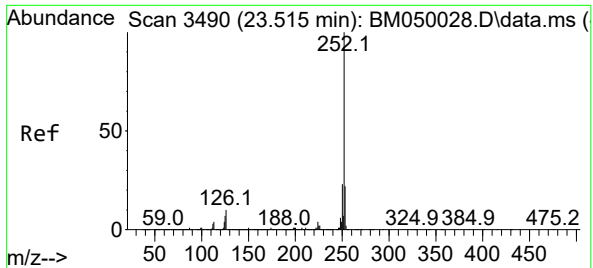
Tgt Ion:276 Resp: 3671518
Ion Ratio Lower Upper
276 100
138 20.2 16.4 24.6
277 24.9 19.8 29.8



#88
Benzo(b)fluoranthene
Concen: 41.944 ng
RT: 23.427 min Scan# 3475
Delta R.T. -0.024 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

Tgt Ion:252 Resp: 3028371
Ion Ratio Lower Upper
252 100
253 22.0 17.7 26.5
125 7.7 6.1 9.1

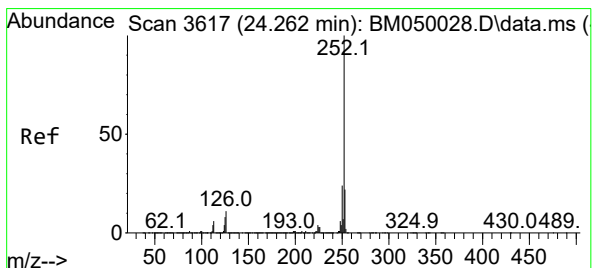
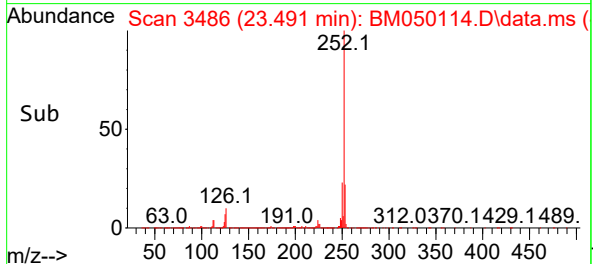
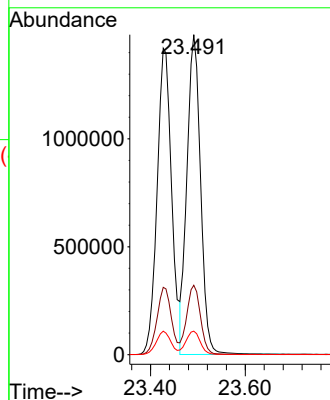
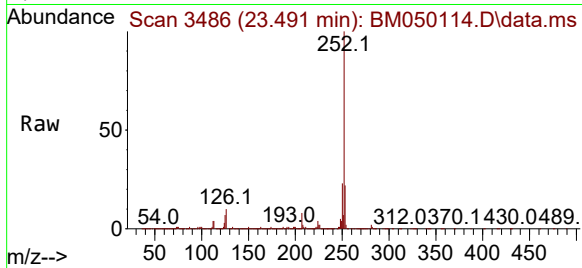




#89
Benzo(k)fluoranthene
Concen: 40.383 ng
RT: 23.491 min Scan# 34
Delta R.T. -0.024 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

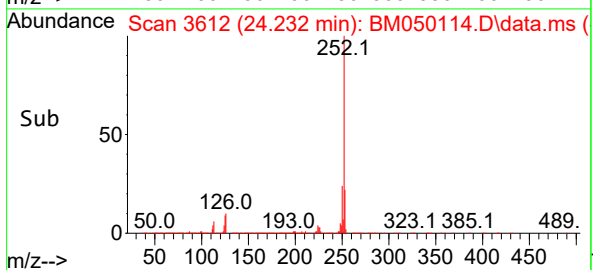
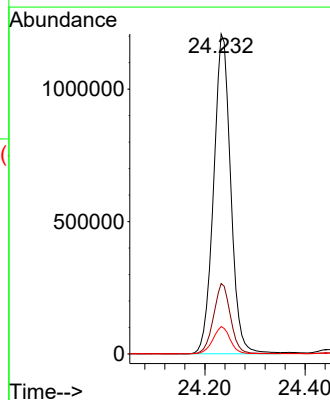
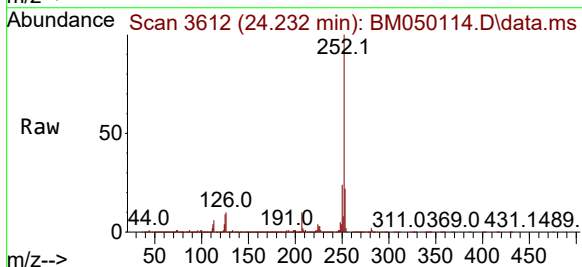
Instrument :
BNA_M
ClientSampleId :
PB167857BS

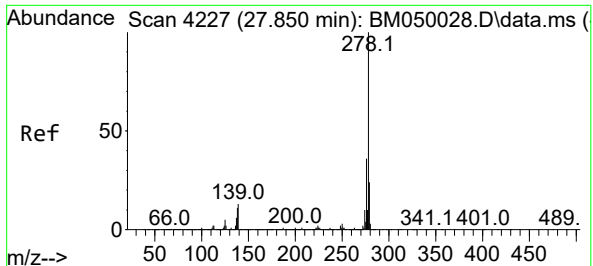
Tgt Ion:252 Resp: 2949343
Ion Ratio Lower Upper
252 100
253 21.7 17.4 26.2
125 7.4 5.8 8.8



#90
Benzo(a)pyrene
Concen: 42.243 ng
RT: 24.232 min Scan# 3612
Delta R.T. -0.030 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

Tgt Ion:252 Resp: 2856618
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.0
125 8.6 6.6 9.8

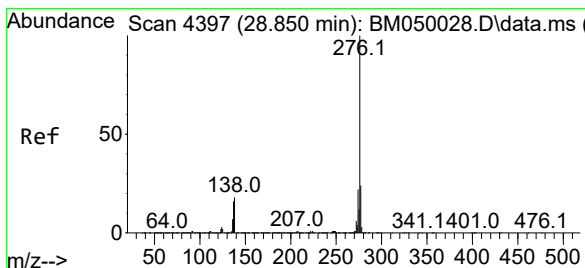
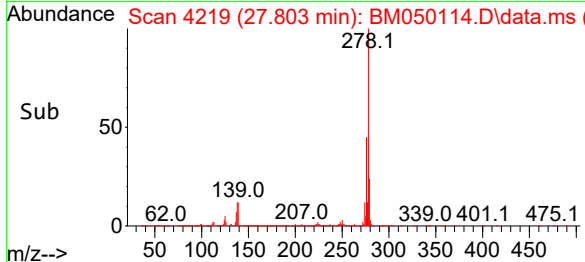
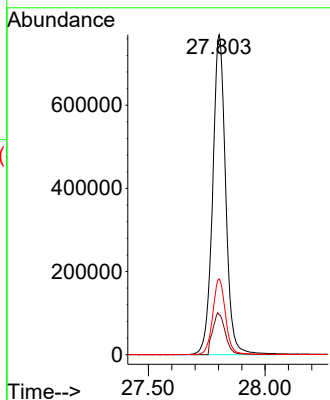
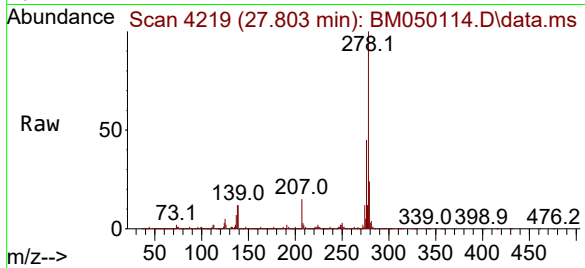




#91
Dibenzo(a,h)anthracene
Concen: 44.383 ng
RT: 27.803 min Scan# 4219
Delta R.T. -0.047 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

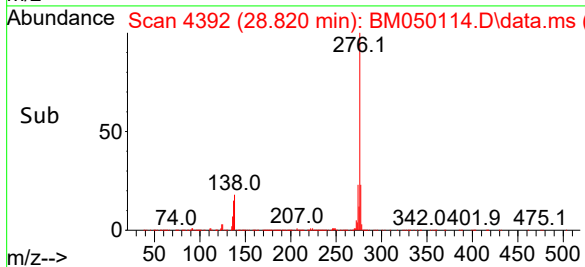
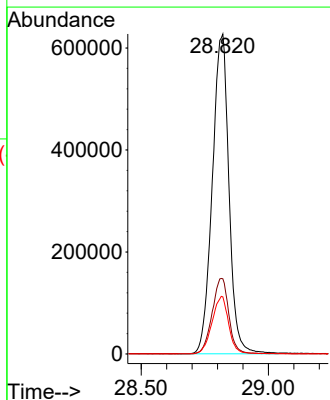
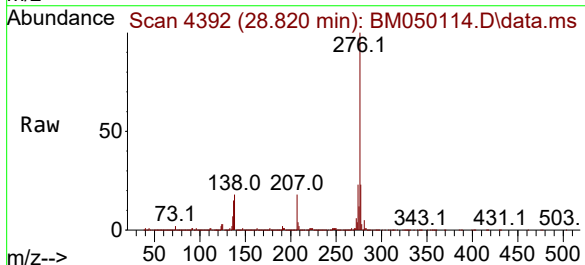
Instrument :
BNA_M
ClientSampleId :
PB167857BS

Tgt Ion:278 Resp: 2992922
Ion Ratio Lower Upper
278 100
139 12.5 10.5 15.7
279 23.7 19.4 29.0



#92
Benzo(g,h,i)perylene
Concen: 44.117 ng
RT: 28.820 min Scan# 4392
Delta R.T. -0.030 min
Lab File: BM050114.D
Acq: 06 May 2025 11:21

Tgt Ion:276 Resp: 2848159
Ion Ratio Lower Upper
276 100
277 23.5 19.1 28.7
138 17.9 14.3 21.5



Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	05/01/25
Project:	Stan Hope	Date Received:	05/01/25
Client Sample ID:	LARGE-PILE-CMS	SDG No.:	Q1938
Lab Sample ID:	Q1937-05MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.9
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
BM050101.D	1	05/05/25 09:35	05/05/25 16:21	PB167857

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	850		160	350	ug/Kg
108-95-2	Phenol	1600		23.3	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1400		25.6	180	ug/Kg
95-57-8	2-Chlorophenol	1500		25.7	180	ug/Kg
95-48-7	2-Methylphenol	1600		31.5	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		39.5	180	ug/Kg
98-86-2	Acetophenone	1500		31.1	180	ug/Kg
65794-96-9	3+4-Methylphenols	1500		43.3	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1400		49.9	84.2	ug/Kg
67-72-1	Hexachloroethane	1400		18.5	180	ug/Kg
98-95-3	Nitrobenzene	1500		19.3	180	ug/Kg
78-59-1	Isophorone	1400		34.5	180	ug/Kg
88-75-5	2-Nitrophenol	1600		61.3	180	ug/Kg
105-67-9	2,4-Dimethylphenol	1600		68.2	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		32.4	180	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		29.8	180	ug/Kg
91-20-3	Naphthalene	1500		23.9	180	ug/Kg
106-47-8	4-Chloroaniline	610		37.3	180	ug/Kg
87-68-3	Hexachlorobutadiene	1500		26.6	180	ug/Kg
105-60-2	Caprolactam	1500		54.9	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		30.2	180	ug/Kg
91-57-6	2-Methylnaphthalene	1500		27.0	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3000	E	120	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600		20.9	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1600		30.6	180	ug/Kg
92-52-4	1,1-Biphenyl	1500		23.0	180	ug/Kg
91-58-7	2-Chloronaphthalene	1500		23.7	180	ug/Kg
88-74-4	2-Nitroaniline	1600		50.7	180	ug/Kg
131-11-3	Dimethylphthalate	1500		28.5	180	ug/Kg

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	05/01/25
Project:	Stan Hope	Date Received:	05/01/25
Client Sample ID:	LARGE-PILE-CMS	SDG No.:	Q1938
Lab Sample ID:	Q1937-05MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.9
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
BM050101.D	1	05/05/25 09:35	05/05/25 16:21	PB167857

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1500		30.4	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		35.4	180	ug/Kg
99-09-2	3-Nitroaniline	890		48.4	180	ug/Kg
83-32-9	Acenaphthene	1500		22.4	180	ug/Kg
51-28-5	2,4-Dinitrophenol	2900	E	240	350	ug/Kg
100-02-7	4-Nitrophenol	3100	E	110	350	ug/Kg
132-64-9	Dibenzofuran	1500		23.9	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		52.8	180	ug/Kg
84-66-2	Diethylphthalate	1500		29.8	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		28.1	180	ug/Kg
86-73-7	Fluorene	1500		26.6	180	ug/Kg
100-01-6	4-Nitroaniline	1500		67.6	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1500		110	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1500		34.6	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1600		29.3	180	ug/Kg
118-74-1	Hexachlorobenzene	1500		26.6	180	ug/Kg
1912-24-9	Atrazine	1600		35.8	180	ug/Kg
87-86-5	Pentachlorophenol	3600	E	54.0	350	ug/Kg
85-01-8	Phenanthrene	1500		22.0	180	ug/Kg
120-12-7	Anthracene	1500		35.1	180	ug/Kg
86-74-8	Carbazole	1600		32.9	180	ug/Kg
84-74-2	Di-n-butylphthalate	1500		50.4	180	ug/Kg
206-44-0	Fluoranthene	1600		31.6	180	ug/Kg
129-00-0	Pyrene	1600		37.9	180	ug/Kg
85-68-7	Butylbenzylphthalate	1600		75.2	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	920		38.6	350	ug/Kg
56-55-3	Benzo(a)anthracene	1600		24.2	180	ug/Kg
218-01-9	Chrysene	1500		21.0	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1500		62.3	180	ug/Kg
117-84-0	Di-n-octyl phthalate	1500		91.4	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	1500		20.0	180	ug/Kg

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	05/01/25
Project:	Stan Hope	Date Received:	05/01/25
Client Sample ID:	LARGE-PILE-CMS	SDG No.:	Q1938
Lab Sample ID:	Q1937-05MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.9
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
BM050101.D	1	05/05/25 09:35	05/05/25 16:21	PB167857

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1500		23.6	180	ug/Kg
50-32-8	Benzo(a)pyrene	1600		31.1	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		30.6	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		28.9	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1600		27.1	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		27.0	180	ug/Kg
123-91-1	1,4-Dioxane	1300		47.6	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1500		28.9	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	75.2		30 (18) - 130 (112)	50%	SPK: 150
13127-88-3	Phenol-d6	75.9		30 (15) - 130 (107)	51%	SPK: 150
4165-60-0	Nitrobenzene-d5	43.5		30 (18) - 130 (107)	43%	SPK: 100
321-60-8	2-Fluorobiphenyl	43.0		30 (20) - 130 (109)	43%	SPK: 100
118-79-6	2,4,6-Tribromophenol	75.0		30 (10) - 130 (116)	50%	SPK: 150
1718-51-0	Terphenyl-d14	47.2		30 (10) - 130 (105)	47%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	289000	7.745			
1146-65-2	Naphthalene-d8	1030000	10.539			
15067-26-2	Acenaphthene-d10	655000	14.392			
1517-22-2	Phenanthrene-d10	1260000	17.145			
1719-03-5	Chrysene-d12	1210000	21.386			
1520-96-3	Perylene-d12	1200000	24.374			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050525\
 Data File : BM050101.D
 Acq On : 05 May 2025 16:21
 Operator : RC/JU
 Sample : Q1937-05MS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LARGE-PILE-CMS

Quant Time: May 05 17:02:28 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.745	152	289071	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	1033172	20.000	ng	-0.02
39) Acenaphthene-d10	14.392	164	655158	20.000	ng	-0.02
64) Phenanthrene-d10	17.145	188	1260856	20.000	ng	-0.01
76) Chrysene-d12	21.386	240	1205722	20.000	ng	-0.01
86) Perylene-d12	24.374	264	1198695	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.345	112	1240627	75.152	ng	-0.01
7) Phenol-d6	6.934	99	1574828	75.900	ng	-0.02
23) Nitrobenzene-d5	8.904	82	911507	43.474	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	726955	75.041	ng	-0.01
45) 2-Fluorobiphenyl	13.010	172	2382973	43.028	ng	-0.02
79) Terphenyl-d14	19.768	244	3842218	47.154	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.234	88	253156	35.766	ng	100
3) Pyridine	3.634	79	704148	38.719	ng	99
4) n-Nitrosodimethylamine	3.546	42	286467	40.162	ng	97
6) Aniline	7.075	93	660027	25.192	ng	99
8) 2-Chlorophenol	7.316	128	787758	44.135	ng	98
9) Benzaldehyde	6.892	77	334787	24.111	ng	99
10) Phenol	6.963	94	941217	44.810	ng	98
11) bis(2-Chloroethyl)ether	7.169	93	721407	41.131	ng	99
12) 1,3-Dichlorobenzene	7.634	146	895076	41.514	ng	99
13) 1,4-Dichlorobenzene	7.781	146	901755	41.631	ng	100
14) 1,2-Dichlorobenzene	8.098	146	864880	41.336	ng	99
15) Benzyl Alcohol	7.992	79	630905	43.846	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.275	45	862745	40.466	ng	99
17) 2-Methylphenol	8.204	107	612863	44.290	ng	100
18) Hexachloroethane	8.816	117	313308	40.690	ng	97
19) n-Nitroso-di-n-propyla...	8.557	70	532313	40.002	ng	99
20) 3+4-Methylphenols	8.534	107	824981	44.148	ng	96
22) Acetophenone	8.569	105	1074980	41.850	ng	# 99
24) Nitrobenzene	8.945	77	770560	42.504	ng	99
25) Isophorone	9.475	82	1456194	40.744	ng	100
26) 2-Nitrophenol	9.657	139	420971	45.453	ng	99
27) 2,4-Dimethylphenol	9.728	122	687865	44.785	ng	99
28) bis(2-Chloroethoxy)met...	9.951	93	920206	41.657	ng	99
29) 2,4-Dichlorophenol	10.210	162	779345	45.292	ng	99
30) 1,2,4-Trichlorobenzene	10.404	180	889692	42.438	ng	99
31) Naphthalene	10.586	128	2194562	41.943	ng	100
32) Benzoic acid	9.910	122	473903	48.243	ng	98
33) 4-Chloroaniline	10.710	127	372713	17.379	ng	98
34) Hexachlorobutadiene	10.875	225	567011	42.609	ng	99
35) Caprolactam	11.510	113	212152	42.286	ng	96
36) 4-Chloro-3-methylphenol	11.851	107	684151	43.036	ng	99
37) 2-Methylnaphthalene	12.204	142	1461550	41.664	ng	99
38) 1-Methylnaphthalene	12.427	142	1525009	41.079	ng	99
40) 1,2,4,5-Tetrachloroben...	12.580	216	1014802	44.745	ng	99
41) Hexachlorocyclopentadiene	12.557	237	1170193	84.429	ng	99
43) 2,4,6-Trichlorophenol	12.827	196	668780	46.492	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050525\
 Data File : BM050101.D
 Acq On : 05 May 2025 16:21
 Operator : RC/JU
 Sample : Q1937-05MS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LARGE-PILE-CMS

Quant Time: May 05 17:02:28 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration

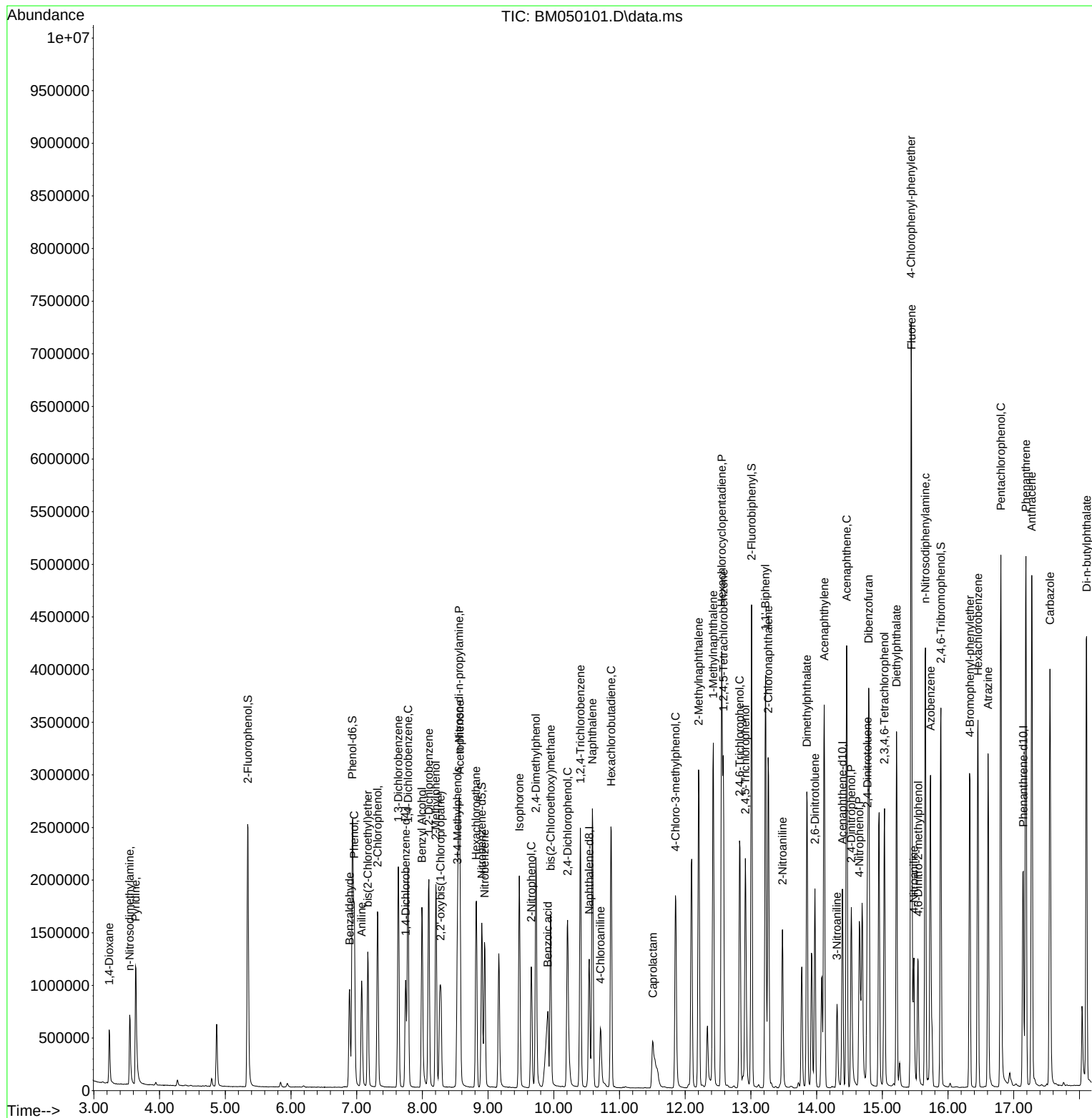
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.916	196	714392	46.054	ng	99
46) 1,1'-Biphenyl	13.221	154	2119703	43.525	ng	100
47) 2-Chloronaphthalene	13.263	162	1682226	43.613	ng	100
48) 2-Nitroaniline	13.480	65	410137	45.305	ng	99
49) Acenaphthylene	14.115	152	2607333	42.873	ng	100
50) Dimethylphthalate	13.851	163	2008543	41.950	ng	99
51) 2,6-Dinitrotoluene	13.974	165	436791	44.061	ng	99
52) Acenaphthene	14.457	154	1503119	42.700	ng	99
53) 3-Nitroaniline	14.310	138	240688	25.431	ng	99
54) 2,4-Dinitrophenol	14.527	184	515925	81.228	ng	99
55) Dibenzofuran	14.792	168	2470123	42.175	ng	99
56) 4-Nitrophenol	14.651	139	692129	89.330	ng	99
57) 2,4-Dinitrotoluene	14.774	165	612717	44.730	ng	98
58) Fluorene	15.445	166	2038230	42.517	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.033	232	587763	43.774	ng	99
60) Diethylphthalate	15.215	149	1869621	41.441	ng	100
61) 4-Chlorophenyl-phenyle...	15.439	204	1124376	42.701	ng	100
62) 4-Nitroaniline	15.480	138	394156	43.165	ng	99
63) Azobenzene	15.733	77	1715145	45.362	ng	96
65) 4,6-Dinitro-2-methylph...	15.545	198	339117	42.967	ng	97
66) n-Nitrosodiphenylamine	15.657	169	1700792	43.928	ng	99
67) 4-Bromophenyl-phenylether	16.333	248	673722	44.187	ng	97
68) Hexachlorobenzene	16.457	284	772197	43.936	ng	96
69) Atrazine	16.609	200	620736	44.447	ng	99
70) Pentachlorophenol	16.804	266	1021224	103.226	ng	98
71) Phenanthrene	17.186	178	3082125	43.341	ng	100
72) Anthracene	17.274	178	3141350	43.650	ng	100
73) Carbazole	17.551	167	2792713	44.720	ng	100
74) Di-n-butylphthalate	18.109	149	3233710	43.482	ng	100
75) Fluoranthene	19.203	202	3722333	44.583	ng	100
77) Benzidine	19.392	184	1919998	44.830	ng	100
78) Pyrene	19.568	202	3815439	45.063	ng	100
80) Butylbenzylphthalate	20.462	149	1416730	44.675	ng	98
81) Benzo(a)anthracene	21.368	228	3671788	44.223	ng	100
82) 3,3'-Dichlorobenzidine	21.291	252	834376	26.251	ng	99
83) Chrysene	21.427	228	3347188	43.557	ng	99
84) Bis(2-ethylhexyl)phtha...	21.280	149	2047604	43.228	ng	100
85) Di-n-octyl phthalate	22.409	149	3335016	42.694	ng	100
87) Indeno(1,2,3-cd)pyrene	27.762	276	4020492	45.013	ng	99
88) Benzo(b)fluoranthene	23.433	252	3367561	43.199	ng	100
89) Benzo(k)fluoranthene	23.497	252	3397394	43.085	ng	99
90) Benzo(a)pyrene	24.238	252	3239603	44.370	ng	100
91) Dibenzo(a,h)anthracene	27.809	278	3283382	45.096	ng	99
92) Benzo(g,h,i)perylene	28.820	276	3078083	44.159	ng	100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050525\
 Data File : BM050101.D
 Acq On : 05 May 2025 16:21
 Operator : RC/JU
 Sample : Q1937-05MS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LARGE-PILE-CMS

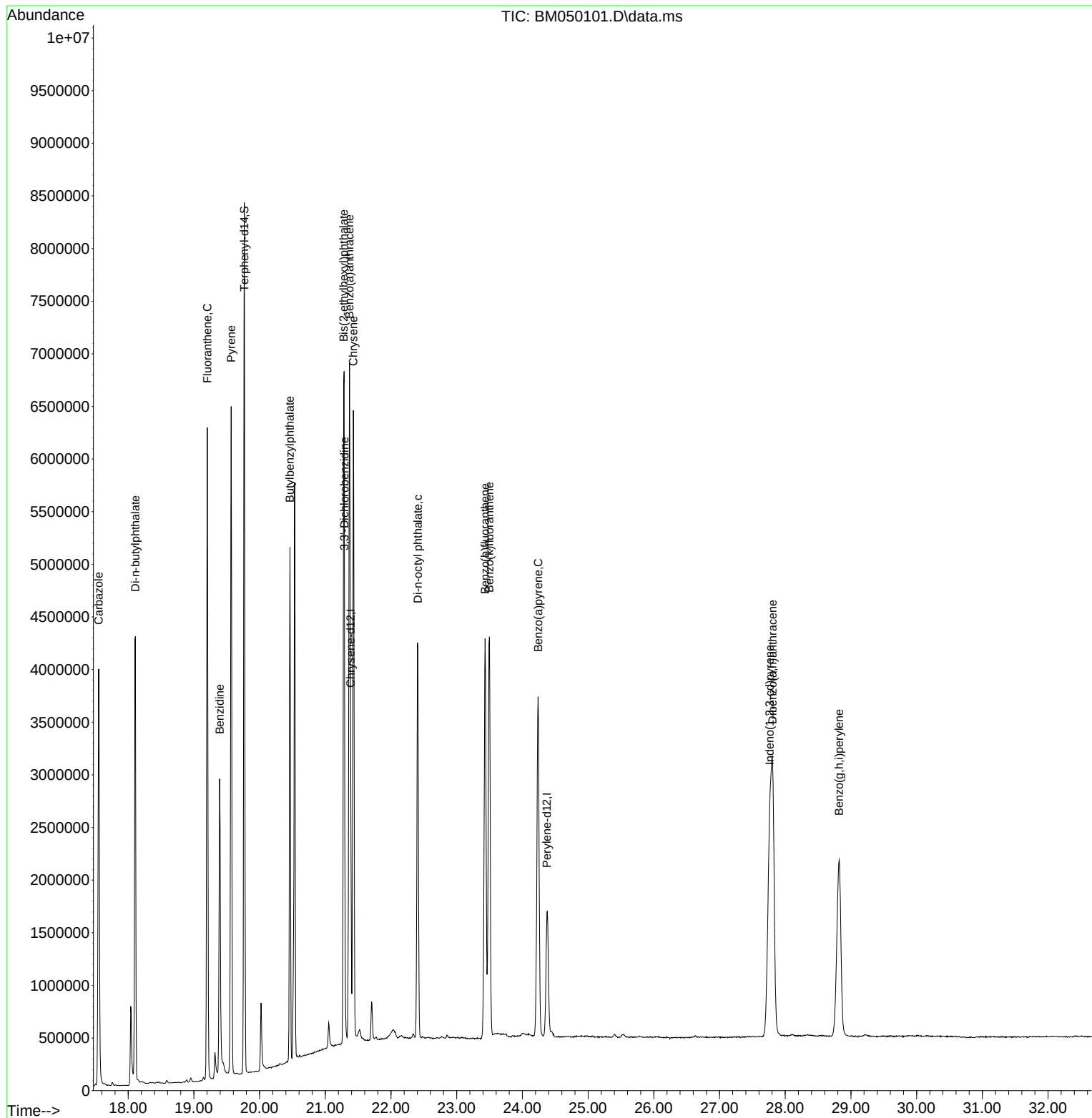
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration

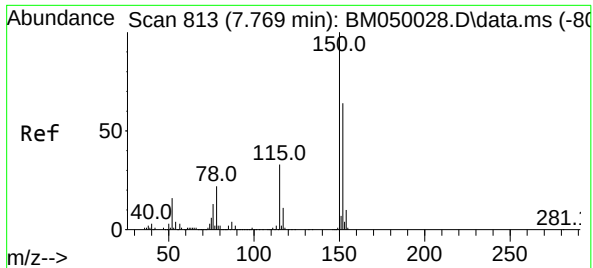


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Data File : BM050101.D
Acq On : 05 May 2025 16:21
Operator : RC/JU
Sample : Q1937-05MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMS

Quant Time: May 05 17:02:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

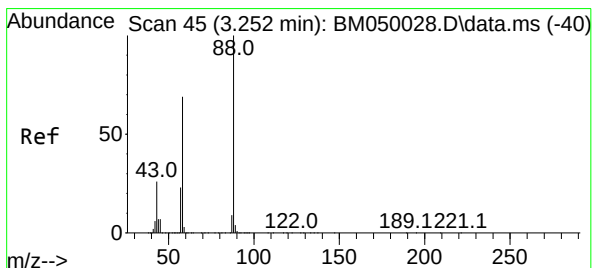
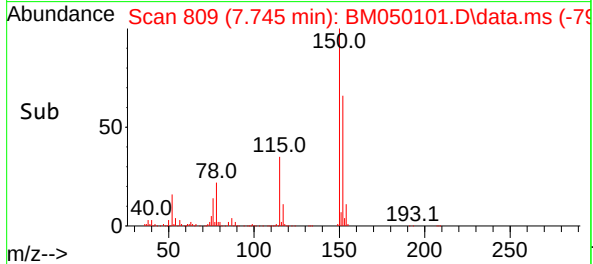
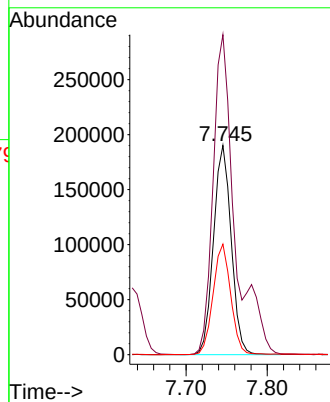
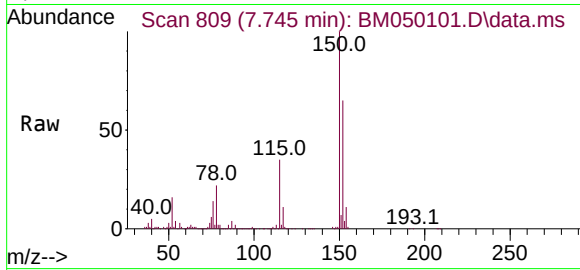




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.745 min Scan# 80
Delta R.T. -0.024 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

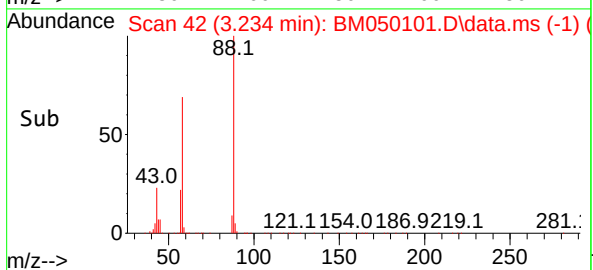
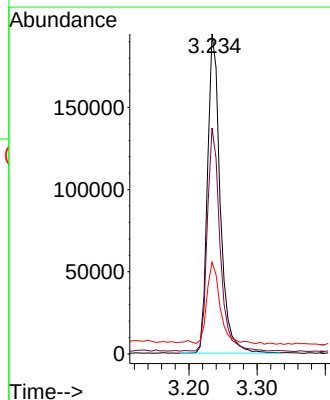
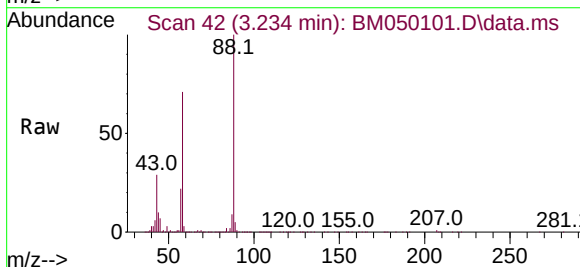
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMS

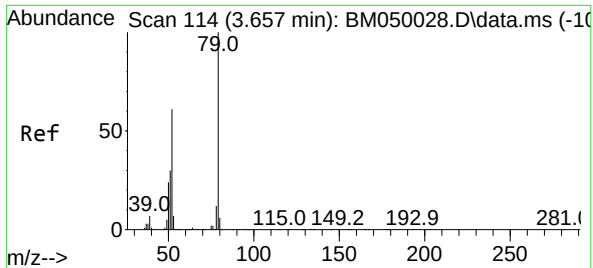
Tgt Ion:152 Resp: 289071
Ion Ratio Lower Upper
152 100
150 152.9 124.1 186.1
115 52.9 41.2 61.8



#2
1,4-Dioxane
Concen: 35.766 ng
RT: 3.234 min Scan# 42
Delta R.T. -0.018 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

Tgt Ion: 88 Resp: 253156
Ion Ratio Lower Upper
88 100
58 69.3 55.1 82.7
43 26.2 20.9 31.3

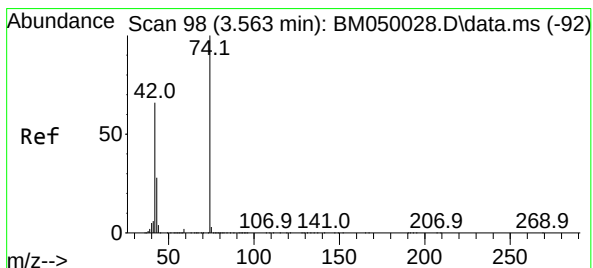
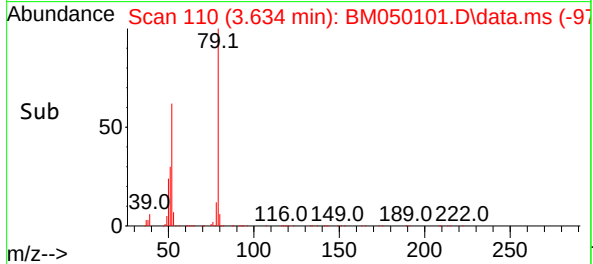
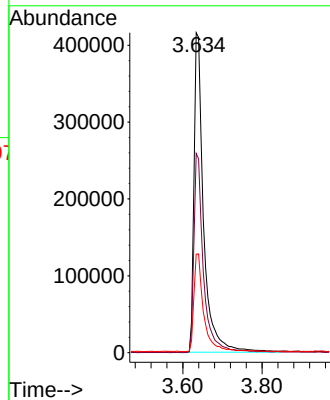
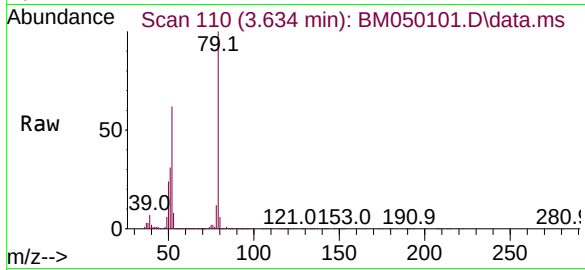




#3
Pyridine
Concen: 38.719 ng
RT: 3.634 min Scan# 114
Delta R.T. -0.024 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

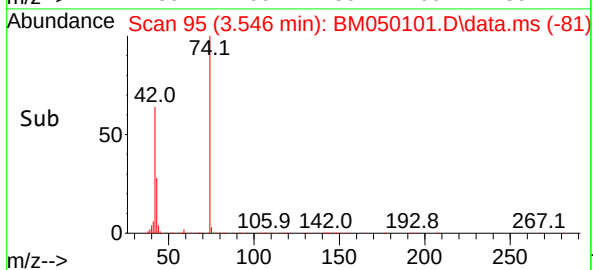
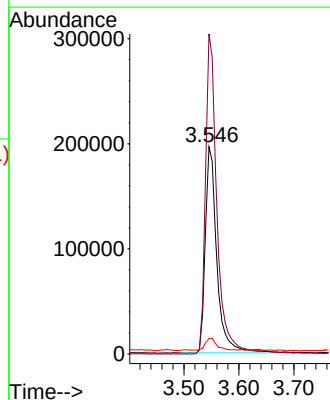
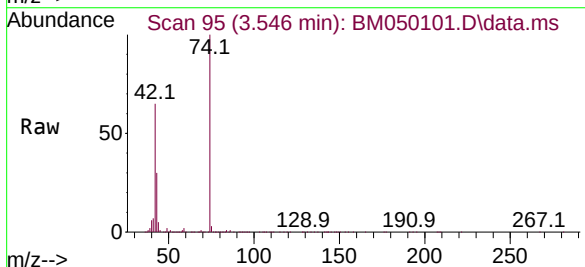
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ClientSampleId :
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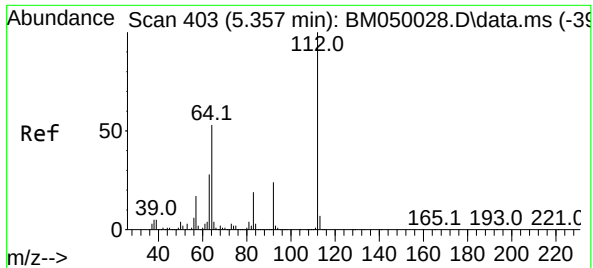
Tgt Ion: 79 Resp: 704148
Ion Ratio Lower Upper
79 100
52 62.3 48.6 72.8
51 30.8 24.6 37.0



#4
n-Nitrosodimethylamine
Concen: 40.162 ng
RT: 3.546 min Scan# 95
Delta R.T. -0.018 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

Tgt Ion: 42 Resp: 286467
Ion Ratio Lower Upper
42 100
74 154.4 120.2 180.2
44 7.4 6.2 9.2

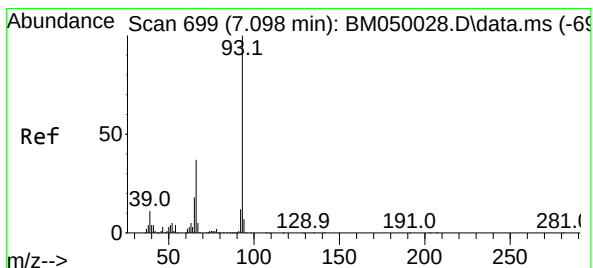
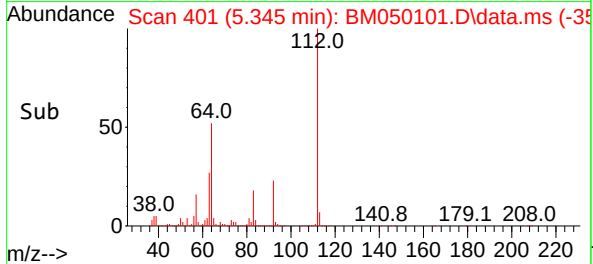
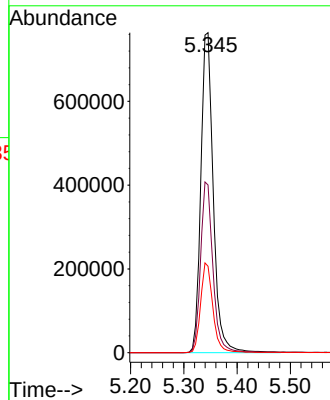
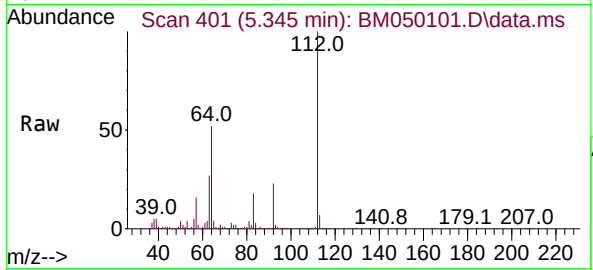




#5
2-Fluorophenol
Concen: 75.152 ng
RT: 5.345 min Scan# 403
Delta R.T. -0.012 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

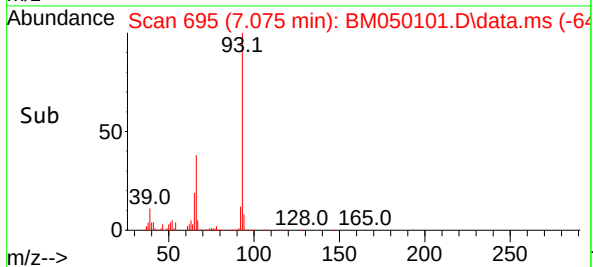
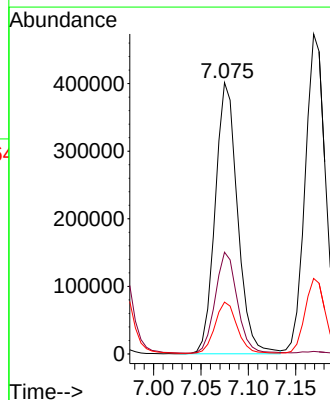
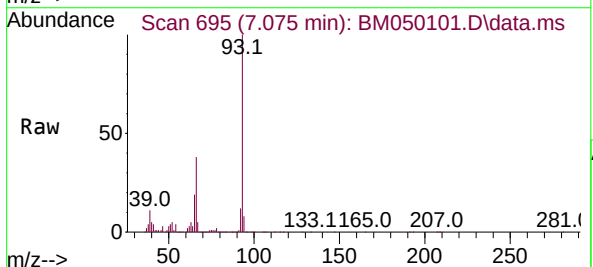
Instrument :
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ClientSampleId :
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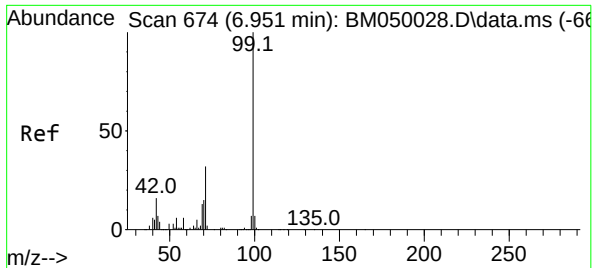
Tgt Ion:112 Resp: 1240627
Ion Ratio Lower Upper
112 100
64 52.4 42.6 64.0
63 27.0 22.2 33.4



#6
Aniline
Concen: 25.192 ng
RT: 7.075 min Scan# 695
Delta R.T. -0.024 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

Tgt Ion: 93 Resp: 660027
Ion Ratio Lower Upper
93 100
66 37.5 29.9 44.9
65 19.1 14.5 21.7

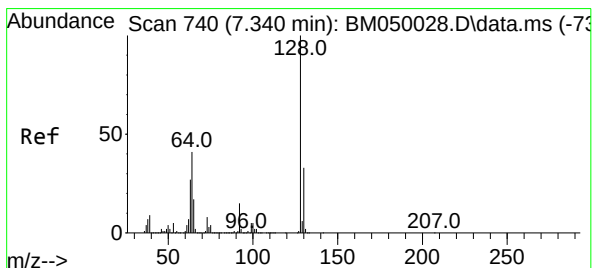
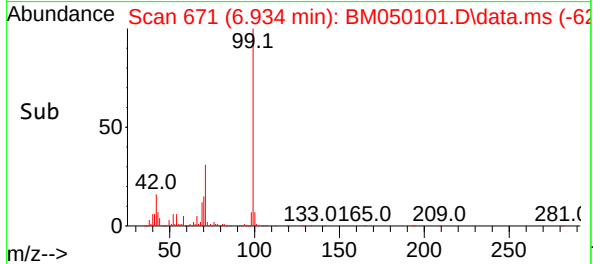
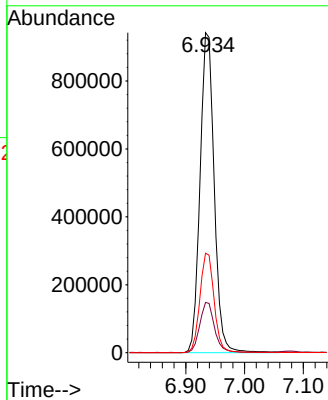
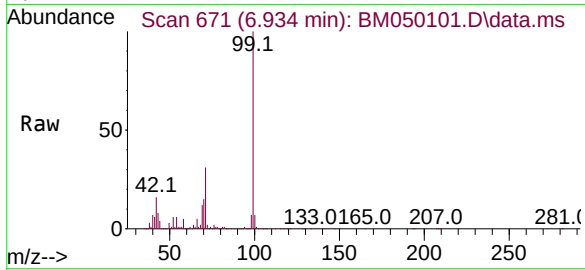




#7
Phenol-d6
Concen: 75.900 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

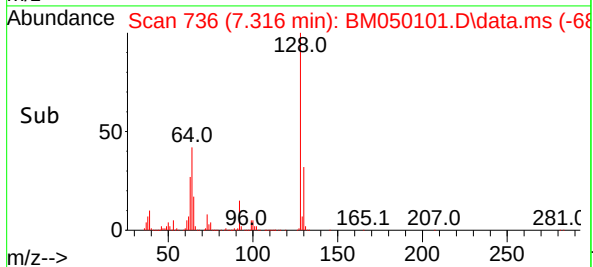
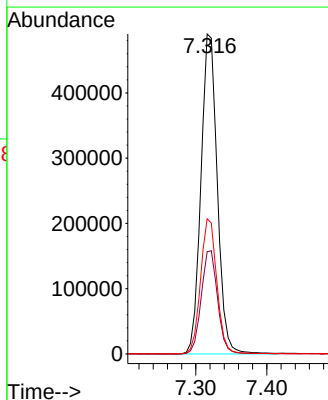
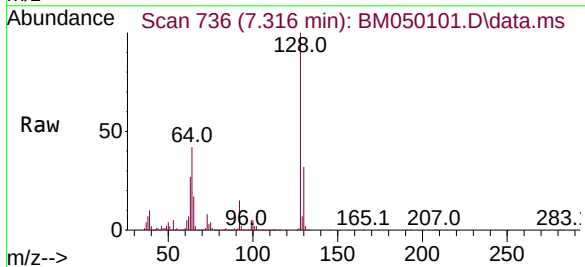
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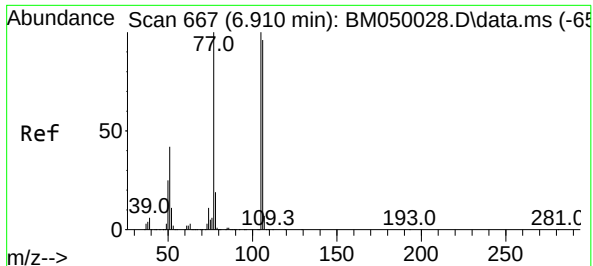
Tgt Ion: 99 Resp: 1574828
Ion Ratio Lower Upper
99 100
42 15.7 13.0 19.4
71 31.1 25.6 38.4



#8
2-Chlorophenol
Concen: 44.135 ng
RT: 7.316 min Scan# 736
Delta R.T. -0.024 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

Tgt Ion: 128 Resp: 787758
Ion Ratio Lower Upper
128 100
130 32.0 12.8 52.8
64 42.2 21.2 61.2

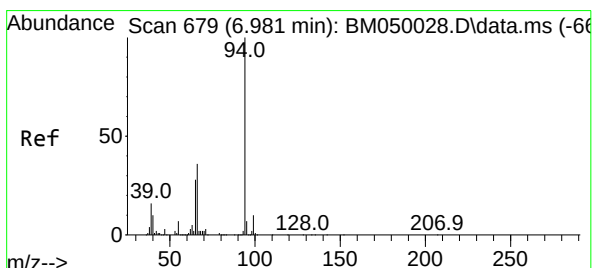
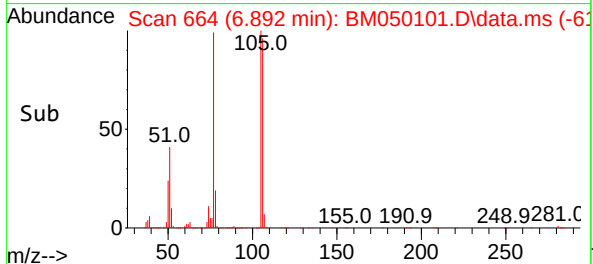
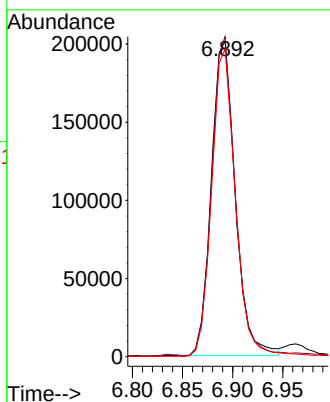
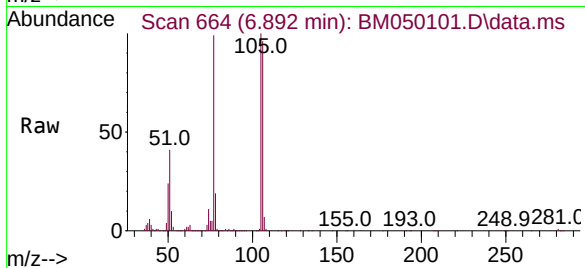




#9
Benzaldehyde
Concen: 24.111 ng
RT: 6.892 min Scan# 664
Delta R.T. -0.018 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

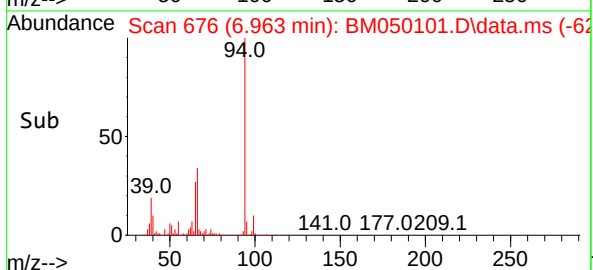
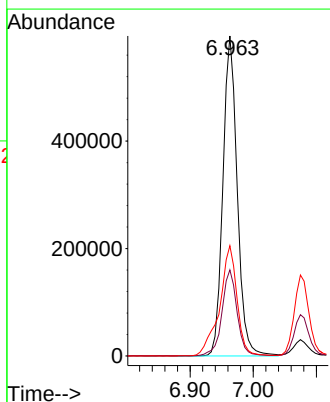
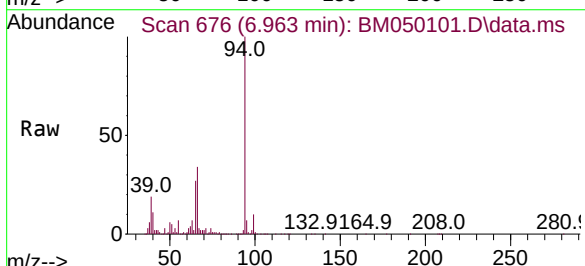
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMS

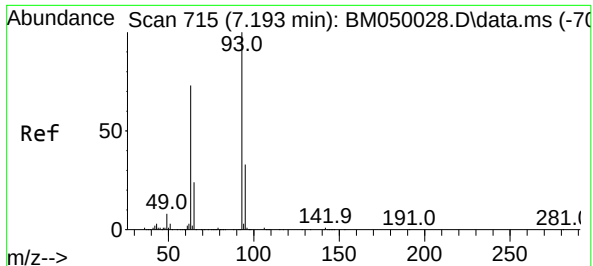
Tgt Ion: 77 Resp: 334787
Ion Ratio Lower Upper
77 100
105 101.4 80.5 120.5
106 97.5 76.1 116.1



#10
Phenol
Concen: 44.810 ng
RT: 6.963 min Scan# 676
Delta R.T. -0.018 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

Tgt Ion: 94 Resp: 941217
Ion Ratio Lower Upper
94 100
65 26.9 7.6 47.6
66 34.5 15.8 55.8

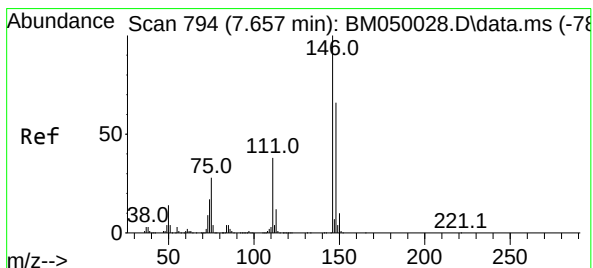
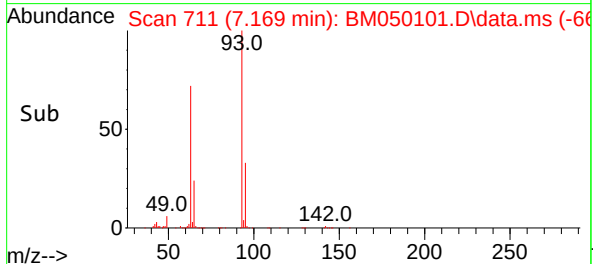
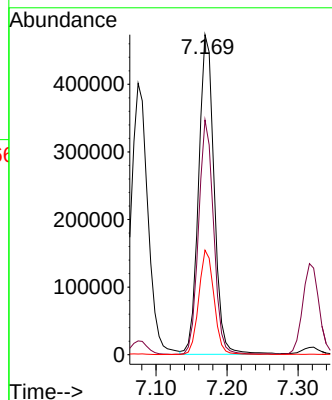
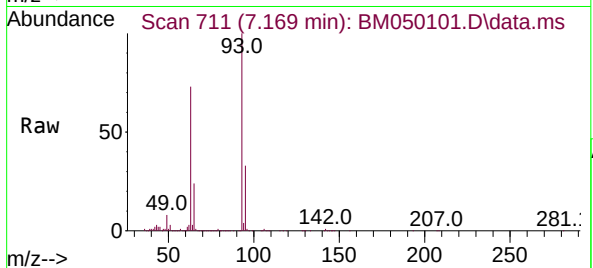




#11
bis(2-Chloroethyl)ether
Concen: 41.131 ng
RT: 7.169 min Scan# 711
Delta R.T. -0.024 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

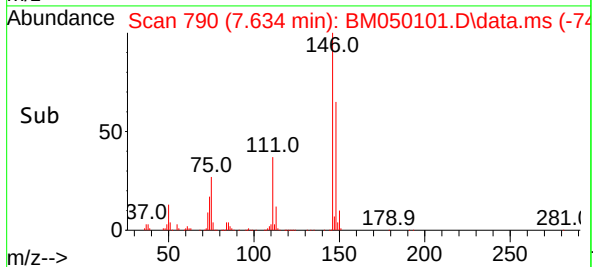
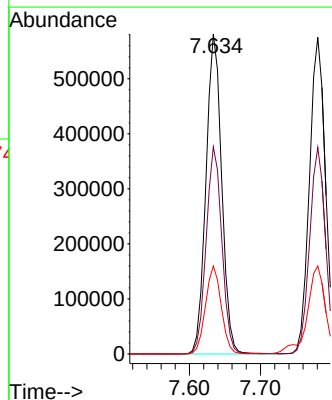
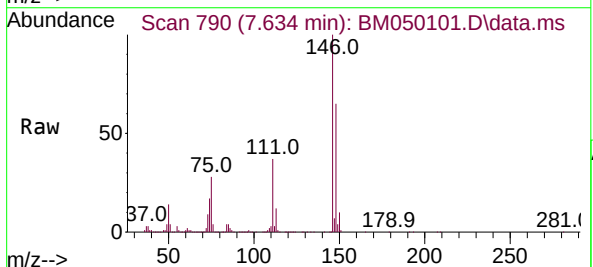
Instrument :
BNA_M
ClientSampleId :
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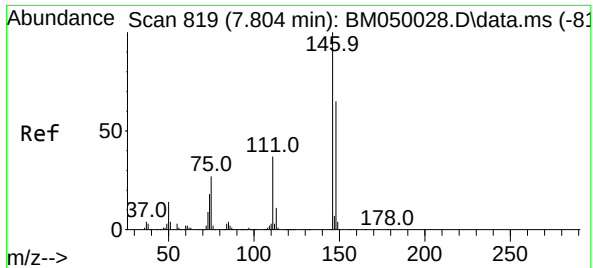
Tgt Ion: 93 Resp: 721407
Ion Ratio Lower Upper
93 100
63 73.3 52.3 92.3
95 32.7 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 41.514 ng
RT: 7.634 min Scan# 790
Delta R.T. -0.024 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

Tgt Ion:146 Resp: 895076
Ion Ratio Lower Upper
146 100
148 64.7 52.5 78.7
75 27.5 22.6 34.0

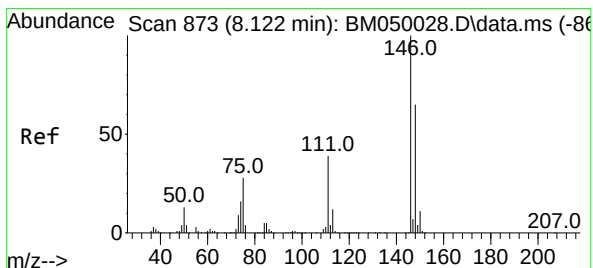
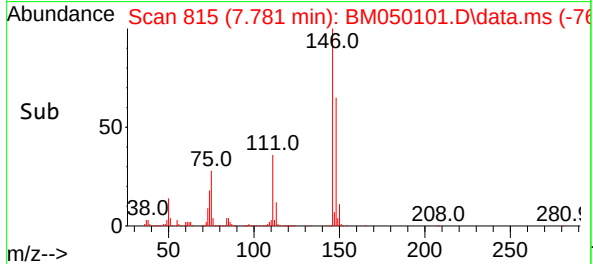
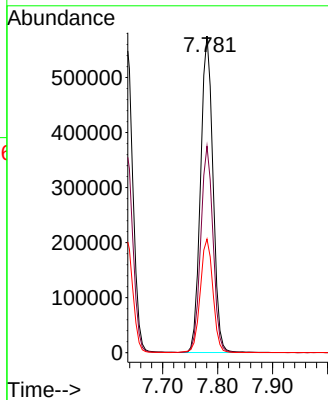
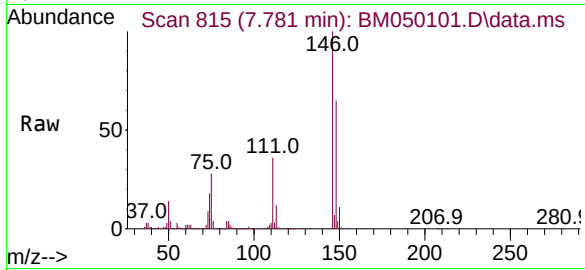




#13
1,4-Dichlorobenzene
Concen: 41.631 ng
RT: 7.781 min Scan# 815
Delta R.T. -0.024 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

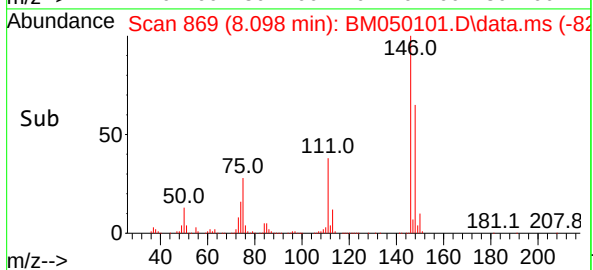
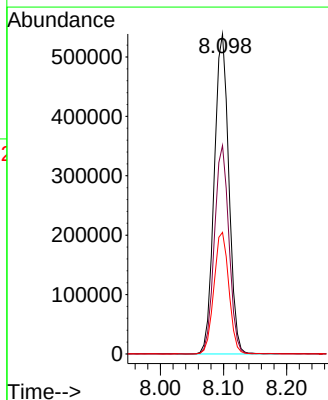
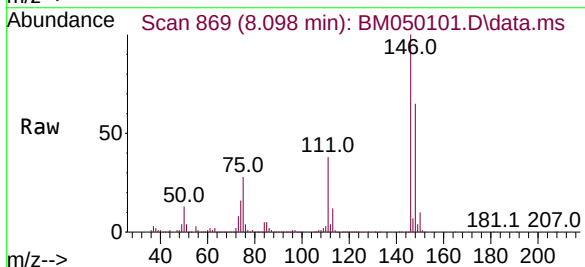
Instrument :
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ClientSampleId :
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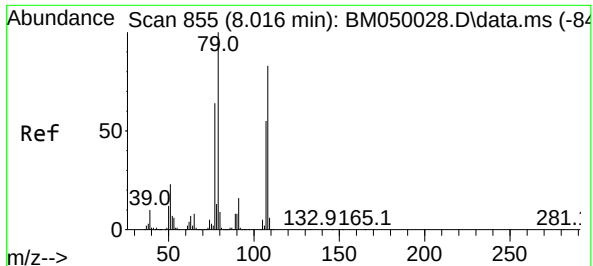
Tgt Ion:146 Resp: 901755
Ion Ratio Lower Upper
146 100
148 65.3 52.2 78.2
111 35.9 29.3 43.9



#14
1,2-Dichlorobenzene
Concen: 41.336 ng
RT: 8.098 min Scan# 869
Delta R.T. -0.024 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

Tgt Ion:146 Resp: 864880
Ion Ratio Lower Upper
146 100
148 65.2 52.4 78.6
111 38.0 31.0 46.6

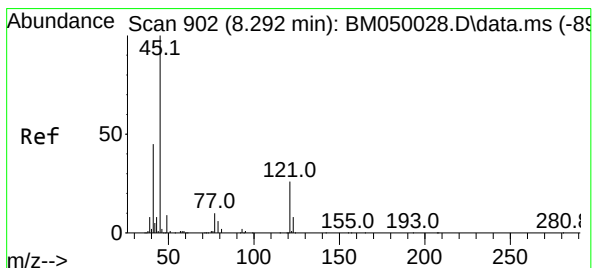
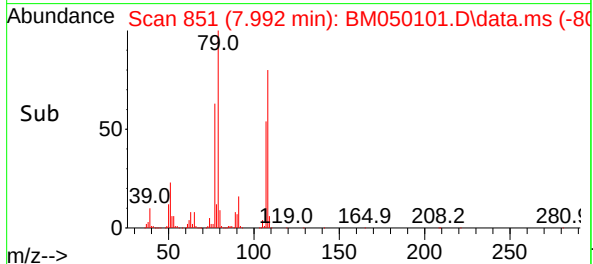
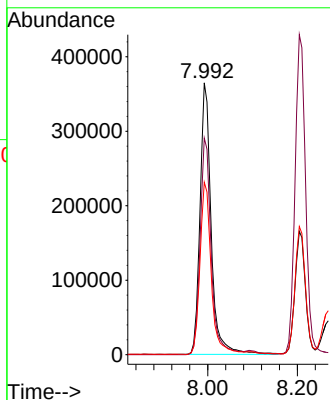
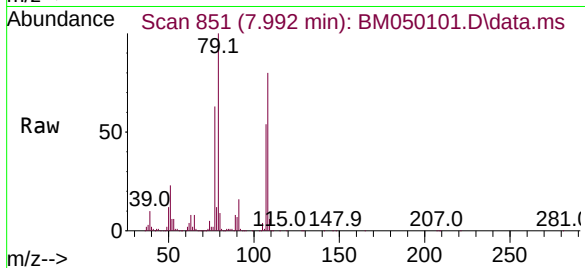




#15
Benzyl Alcohol
Concen: 43.846 ng
RT: 7.992 min Scan# 811
Delta R.T. -0.024 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

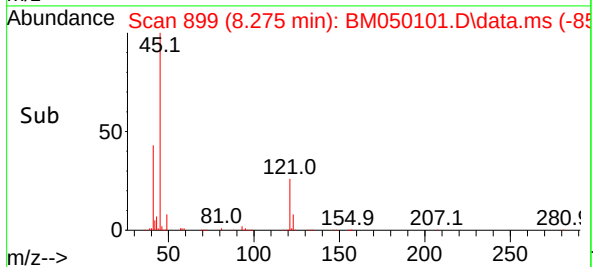
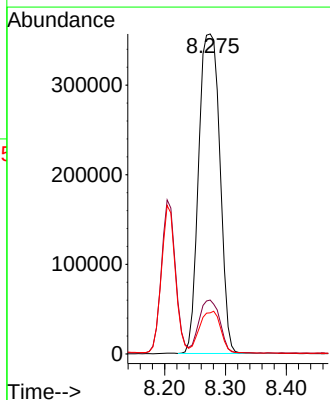
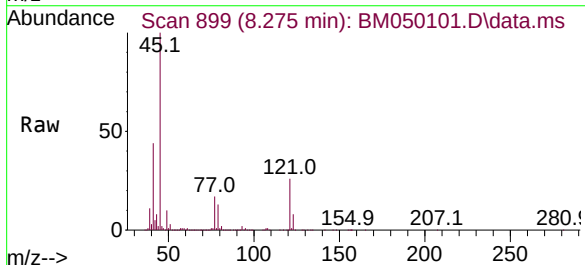
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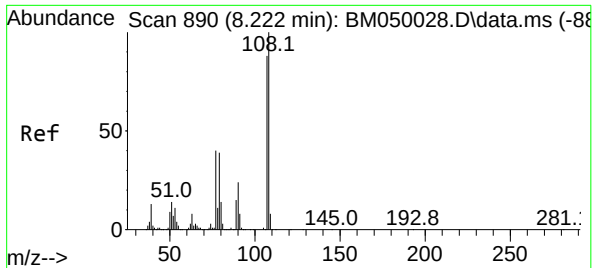
Tgt Ion: 79 Resp: 630905
Ion Ratio Lower Upper
79 100
108 79.7 66.0 99.0
77 63.5 51.6 77.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.466 ng
RT: 8.275 min Scan# 899
Delta R.T. -0.018 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

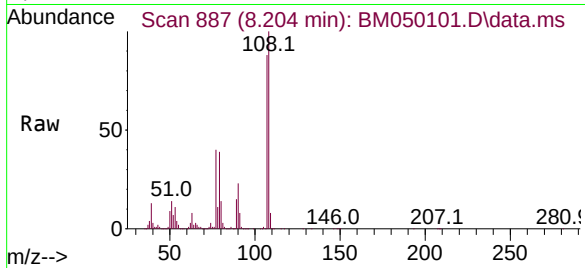
Tgt Ion: 45 Resp: 862745
Ion Ratio Lower Upper
45 100
77 16.9 0.0 36.4
79 12.9 0.0 32.7



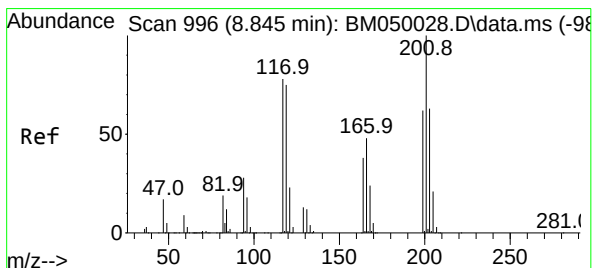
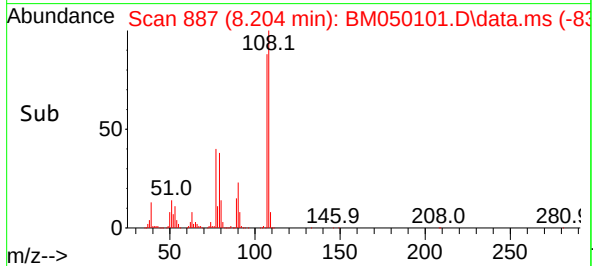
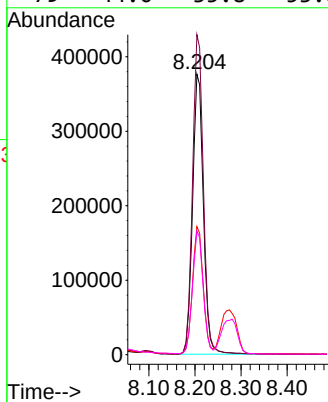


#17
2-Methylphenol
Concen: 44.290 ng
RT: 8.204 min Scan# 887
Delta R.T. -0.018 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMS

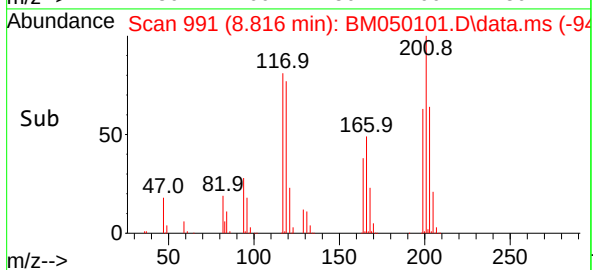
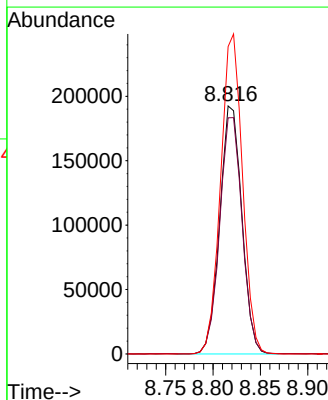
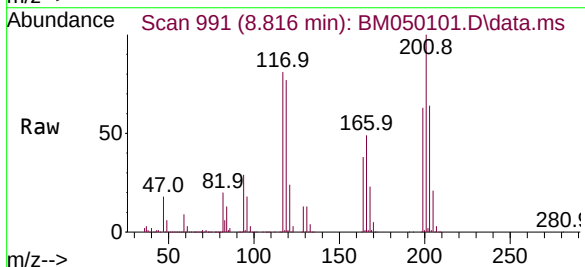


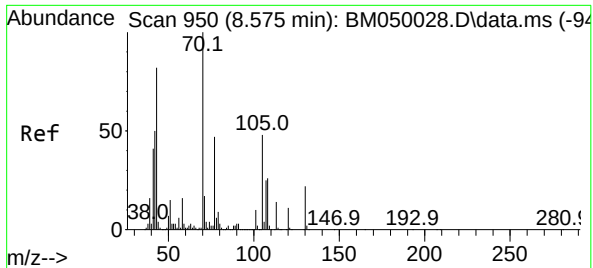
Tgt Ion:107 Resp: 612863
Ion Ratio Lower Upper
107 100
108 114.1 91.1 136.7
77 45.7 36.2 54.4
79 44.0 35.8 53.8



#18
Hexachloroethane
Concen: 40.690 ng
RT: 8.816 min Scan# 991
Delta R.T. -0.030 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

Tgt Ion:117 Resp: 313308
Ion Ratio Lower Upper
117 100
119 95.3 77.3 115.9
201 124.0 102.8 154.2

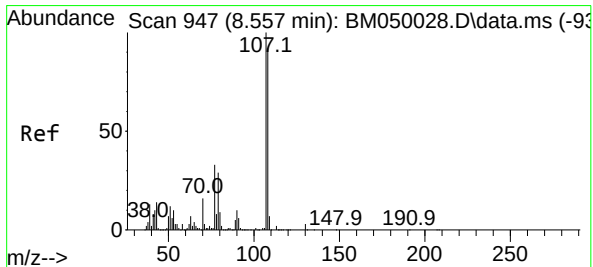
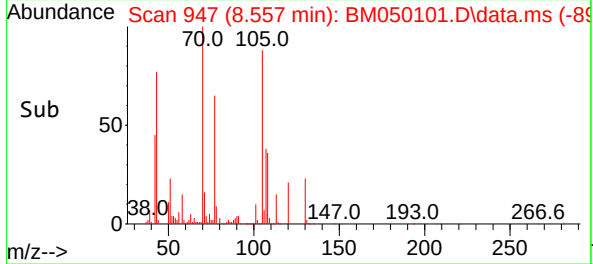
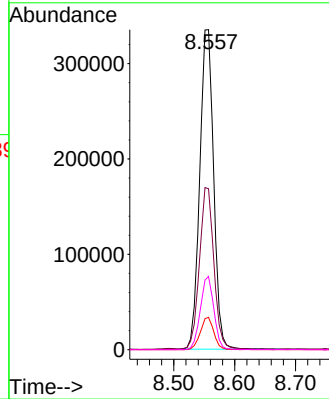
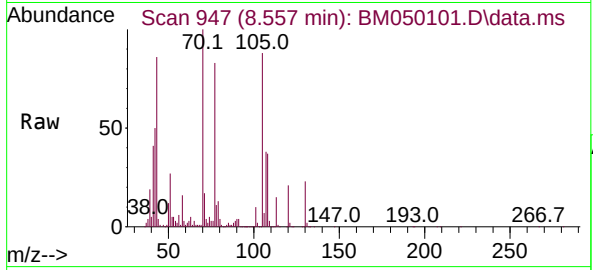




#19
n-Nitroso-di-n-propylamine
Concen: 40.002 ng
RT: 8.557 min Scan# 947
Delta R.T. -0.018 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

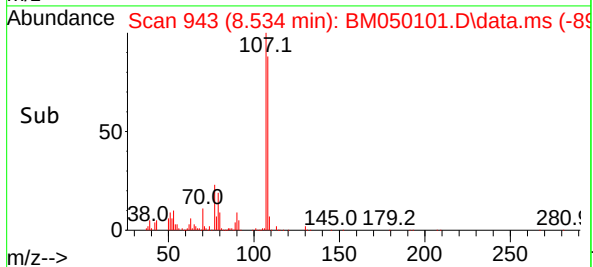
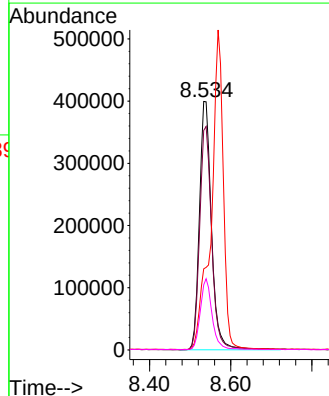
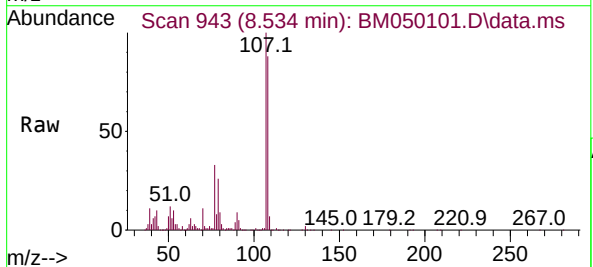
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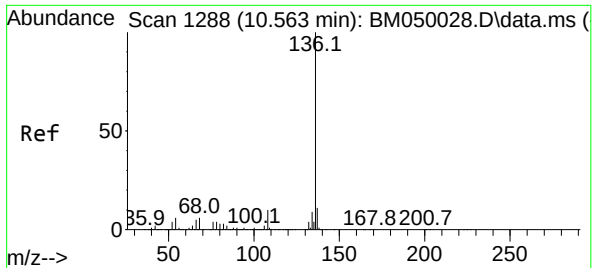
Tgt Ion: 70 Resp: 532313
Ion Ratio Lower Upper
70 100
42 50.3 40.5 60.7
101 10.1 7.8 11.6
130 22.9 17.4 26.2



#20
3+4-Methylphenols
Concen: 44.148 ng
RT: 8.534 min Scan# 943
Delta R.T. -0.024 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

Tgt Ion: 107 Resp: 824981
Ion Ratio Lower Upper
107 100
108 88.3 72.4 112.4
77 32.6 13.6 53.6
79 26.2 9.2 49.2

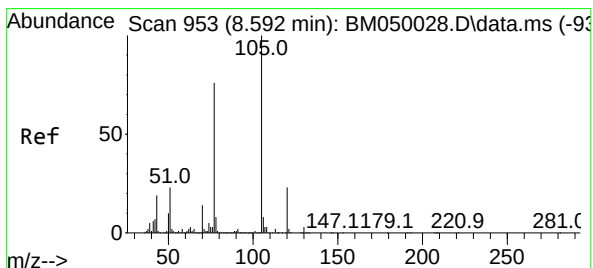
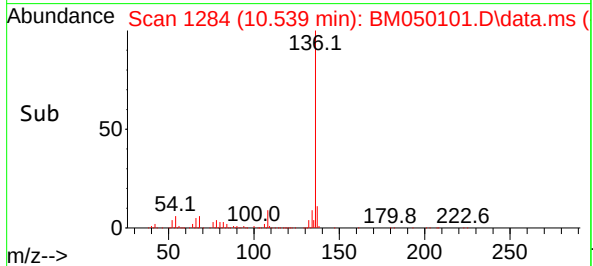
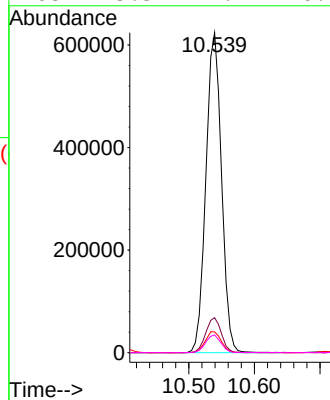
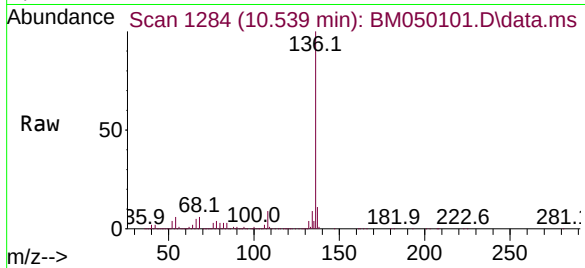




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 11
Delta R.T. -0.024 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

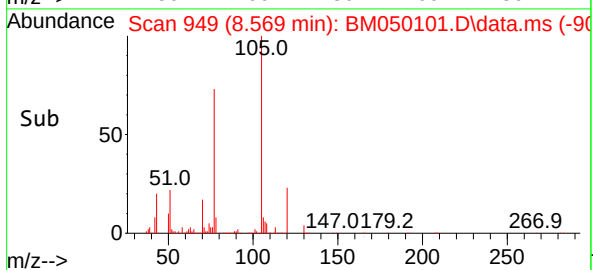
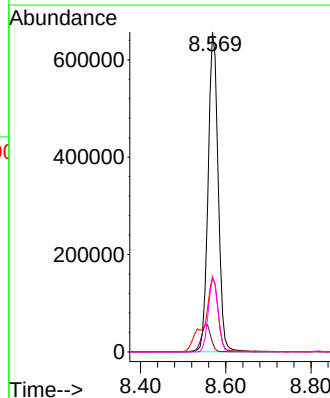
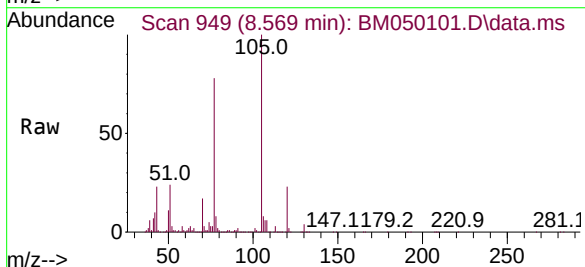
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMS

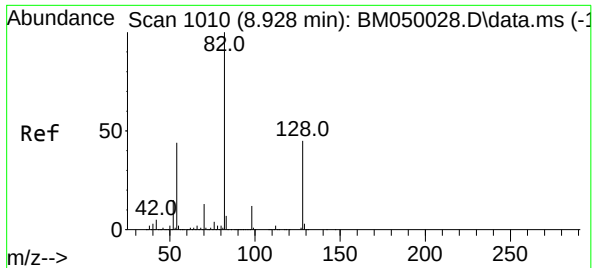
Tgt Ion:136 Resp: 1033172
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 6.5 5.1 7.7
68 5.5 4.4 6.6



#22
Acetophenone
Concen: 41.850 ng
RT: 8.569 min Scan# 949
Delta R.T. -0.024 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

Tgt Ion:105 Resp: 1074980
Ion Ratio Lower Upper
105 100
71 2.9 1.7 2.5#
51 23.6 18.6 27.8
120 22.9 18.3 27.5

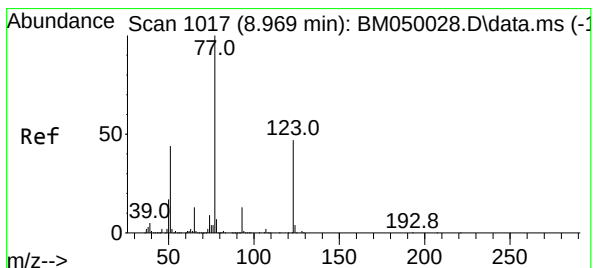
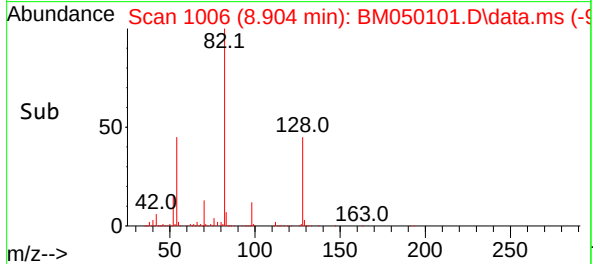
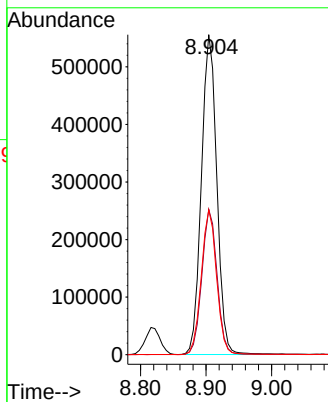
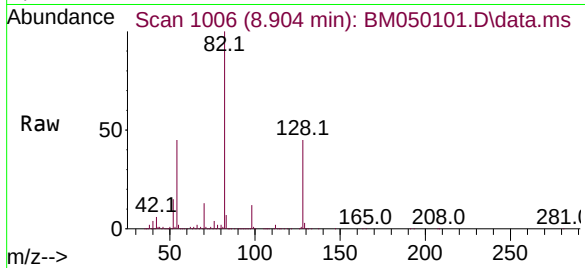




#23
Nitrobenzene-d5
Concen: 43.474 ng
RT: 8.904 min Scan# 1006
Delta R.T. -0.024 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

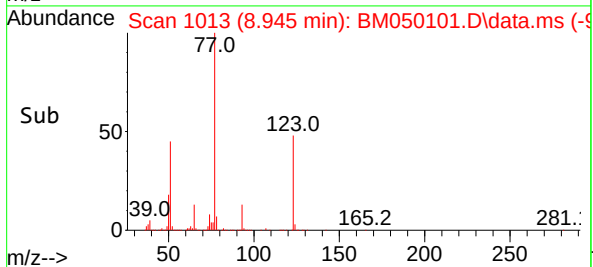
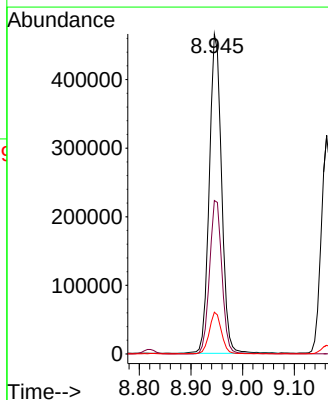
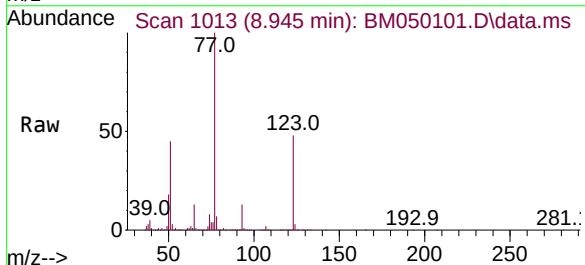
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMS

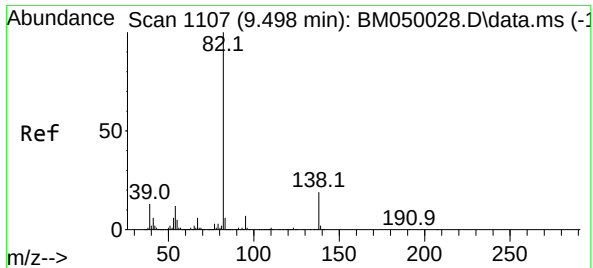
Tgt Ion: 82 Resp: 911507
Ion Ratio Lower Upper
82 100
128 45.4 35.7 53.5
54 45.2 35.4 53.2



#24
Nitrobenzene
Concen: 42.504 ng
RT: 8.945 min Scan# 1013
Delta R.T. -0.024 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

Tgt Ion: 77 Resp: 770560
Ion Ratio Lower Upper
77 100
123 48.0 37.9 56.9
65 13.1 10.1 15.1

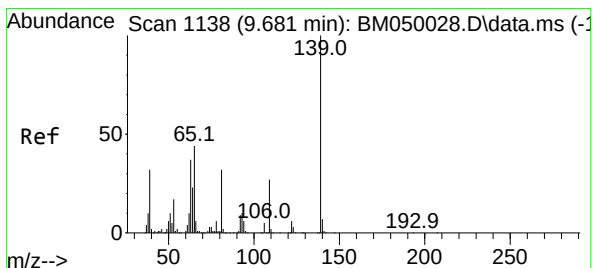
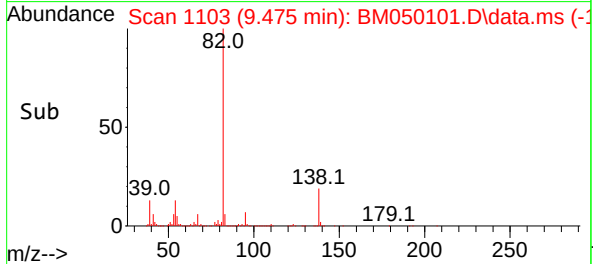
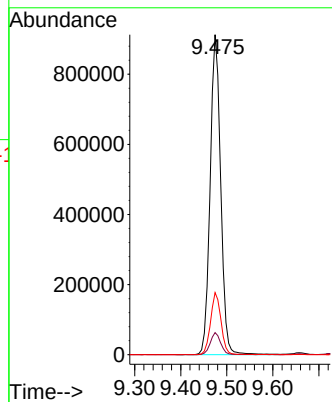
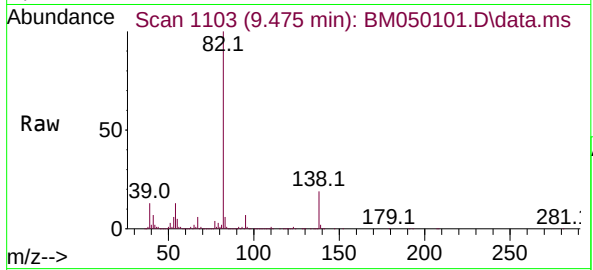




#25
Isophorone
Concen: 40.744 ng
RT: 9.475 min Scan# 1103
Delta R.T. -0.024 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

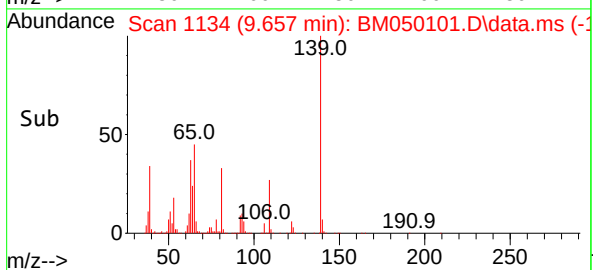
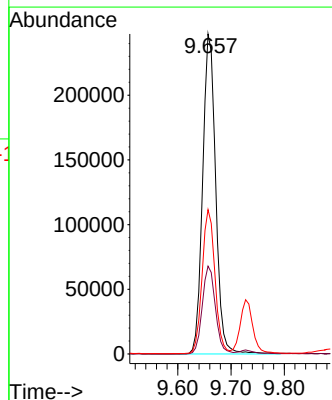
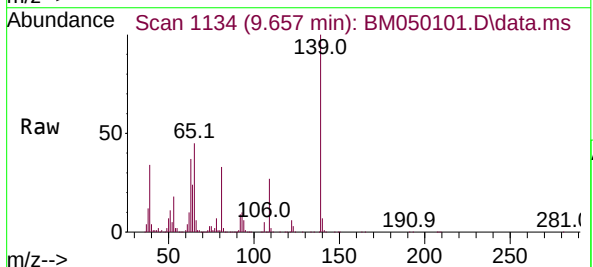
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMS

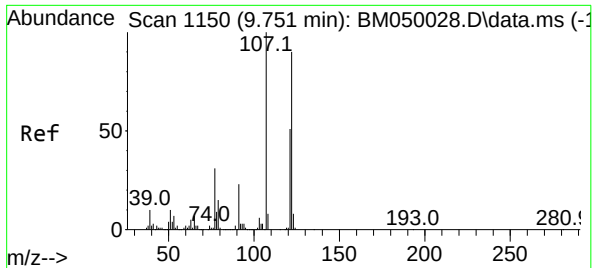
Tgt Ion: 82 Resp: 1456194
Ion Ratio Lower Upper
82 100
95 6.9 5.7 8.5
138 19.4 15.5 23.3



#26
2-Nitrophenol
Concen: 45.453 ng
RT: 9.657 min Scan# 1134
Delta R.T. -0.024 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

Tgt Ion:139 Resp: 420971
Ion Ratio Lower Upper
139 100
109 27.4 21.9 32.9
65 45.1 35.4 53.2





#27

2,4-Dimethylphenol

Concen: 44.785 ng

RT: 9.728 min Scan# 1146

Delta R.T. -0.024 min

Lab File: BM050101.D

Acq: 05 May 2025 16:21

Instrument :

BNA_M

ClientSampleId :

LARGE-PILE-CMS

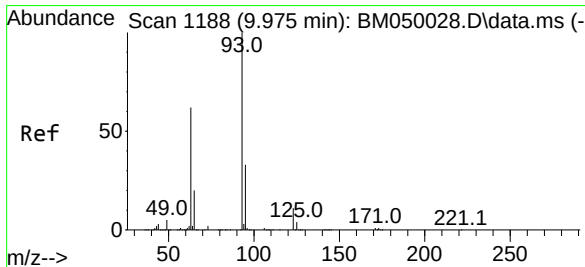
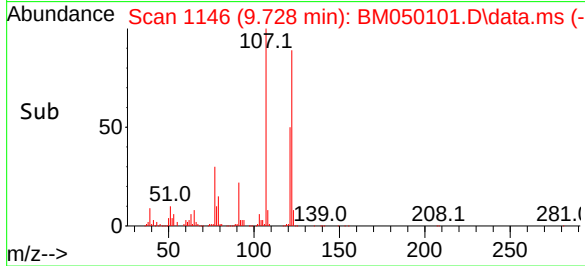
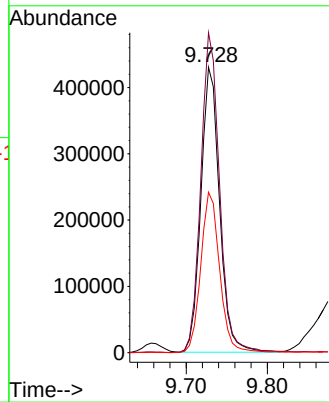
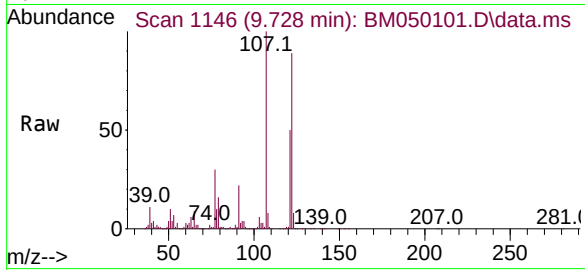
Tgt Ion:122 Resp: 687865

Ion Ratio Lower Upper

122 100

107 112.1 89.0 133.6

121 56.2 45.6 68.4



#28

bis(2-Chloroethoxy)methane

Concen: 41.657 ng

RT: 9.951 min Scan# 1184

Delta R.T. -0.024 min

Lab File: BM050101.D

Acq: 05 May 2025 16:21

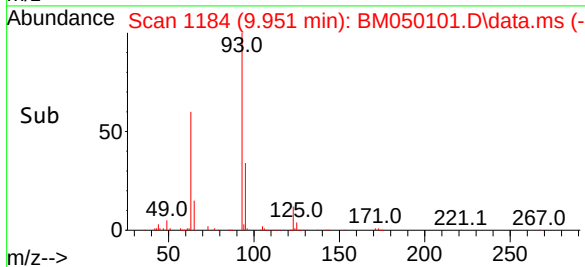
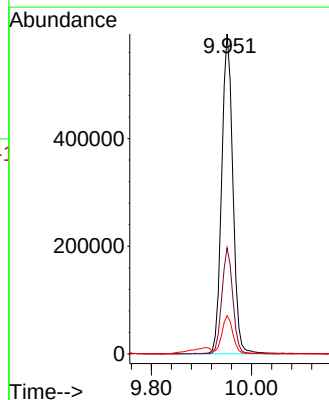
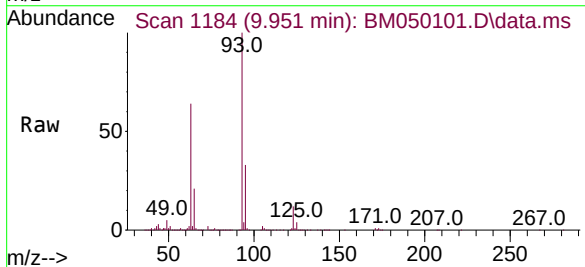
Tgt Ion: 93 Resp: 920206

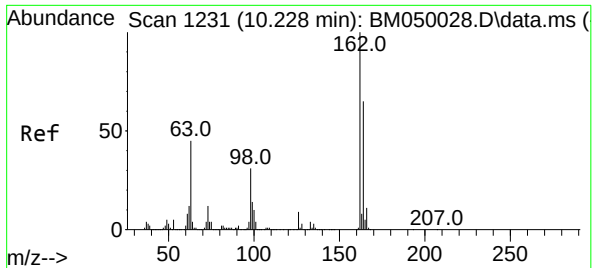
Ion Ratio Lower Upper

93 100

95 33.2 26.1 39.1

123 11.9 9.5 14.3





#29

2,4-Dichlorophenol

Concen: 45.292 ng

RT: 10.210 min Scan# 1231

Delta R.T. -0.018 min

Lab File: BM050101.D

Acq: 05 May 2025 16:21

Instrument :

BNA_M

ClientSampleId :

LARGE-PILE-CMS

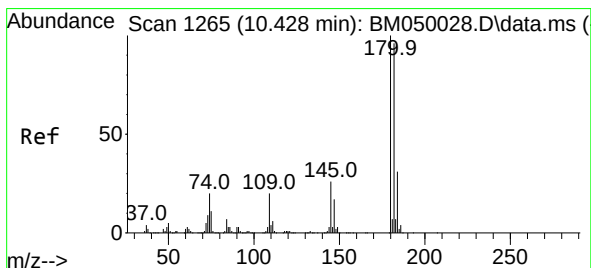
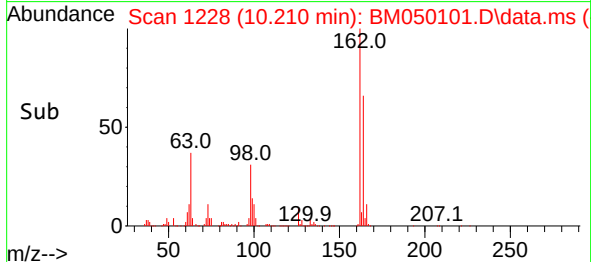
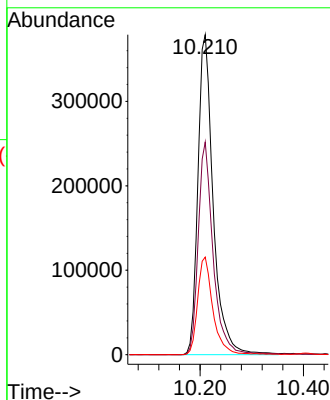
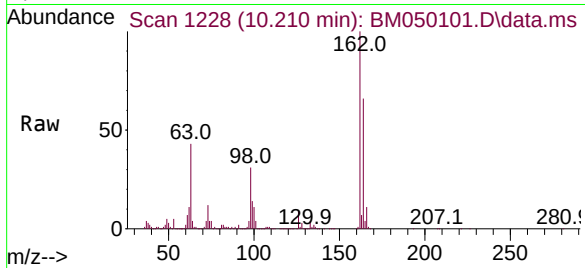
Tgt Ion:162 Resp: 779345

Ion Ratio Lower Upper

162 100

164 66.4 45.4 85.4

98 30.5 11.3 51.3



#30

1,2,4-Trichlorobenzene

Concen: 42.438 ng

RT: 10.404 min Scan# 1261

Delta R.T. -0.024 min

Lab File: BM050101.D

Acq: 05 May 2025 16:21

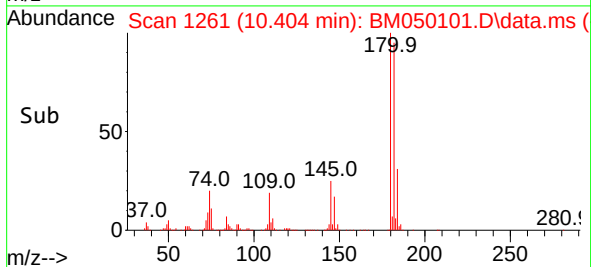
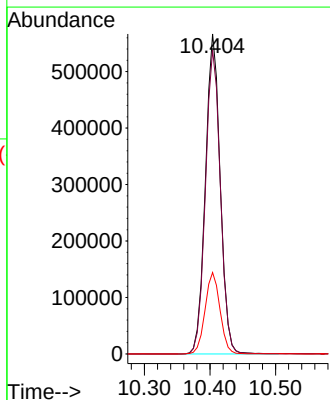
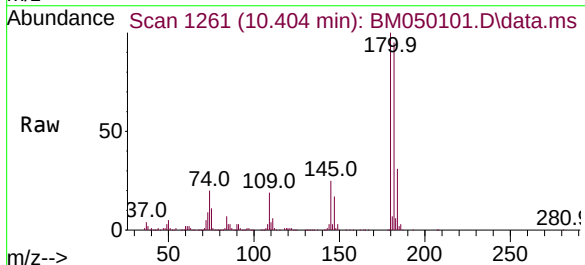
Tgt Ion:180 Resp: 889692

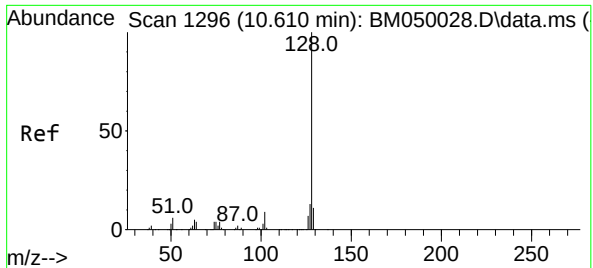
Ion Ratio Lower Upper

180 100

182 95.0 77.0 115.4

145 25.4 20.6 30.8

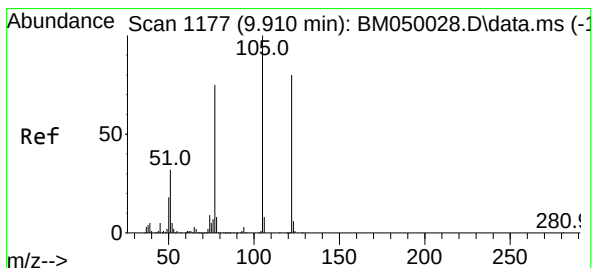
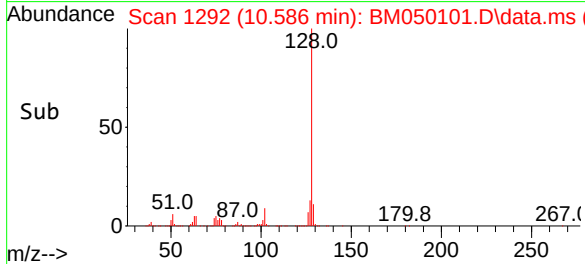
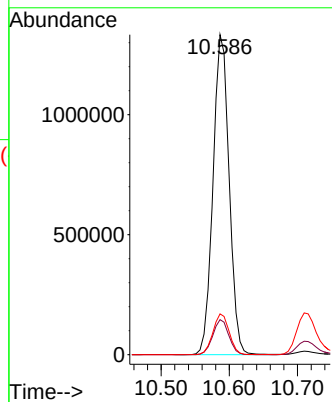
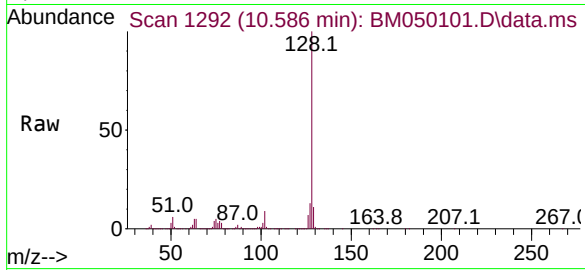




#31
Naphthalene
Concen: 41.943 ng
RT: 10.586 min Scan# 1292
Delta R.T. -0.024 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

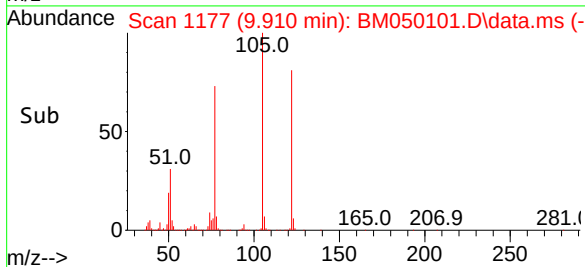
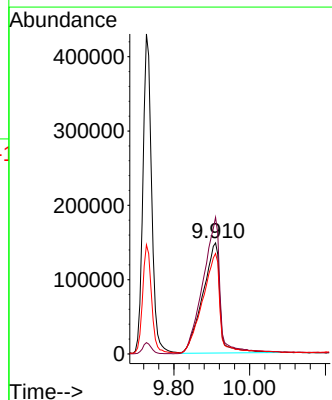
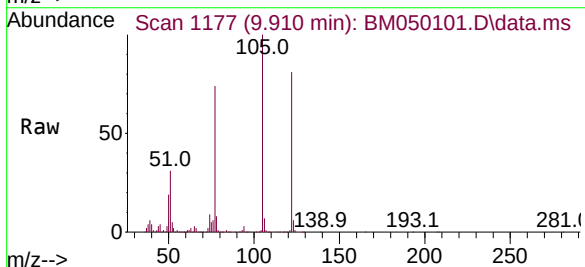
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMS

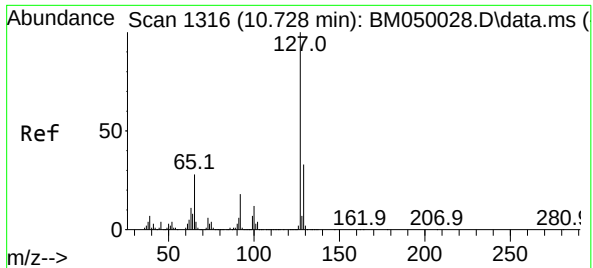
Tgt Ion:128 Resp: 2194562
Ion Ratio Lower Upper
128 100
129 10.9 8.8 13.2
127 12.8 10.4 15.6



#32
Benzoic acid
Concen: 48.243 ng
RT: 9.910 min Scan# 1177
Delta R.T. -0.000 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

Tgt Ion:122 Resp: 473903
Ion Ratio Lower Upper
122 100
105 122.9 103.6 143.6
77 90.5 73.7 113.7



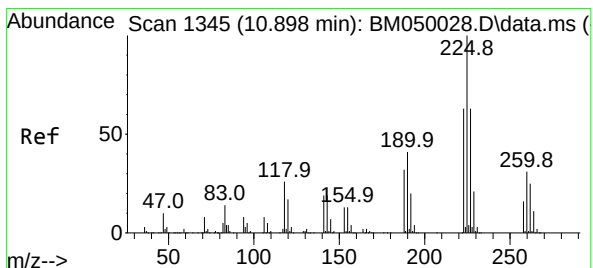
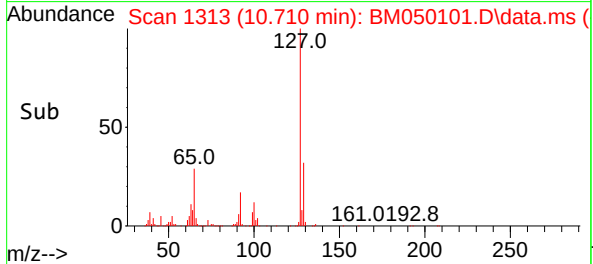
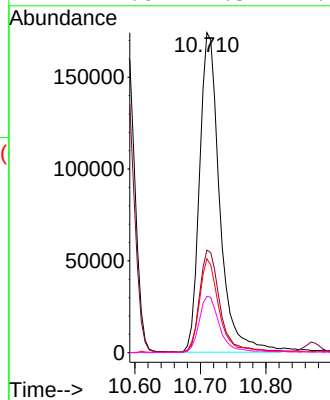
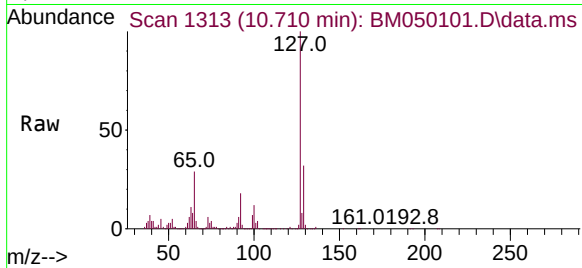


#33
4-Chloroaniline
Concen: 17.379 ng
RT: 10.710 min Scan# 1313
Delta R.T. -0.018 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMS

Tgt Ion:127 Resp: 372713

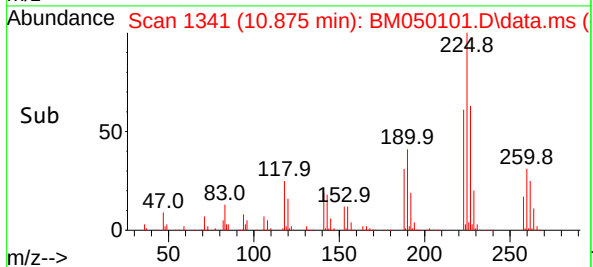
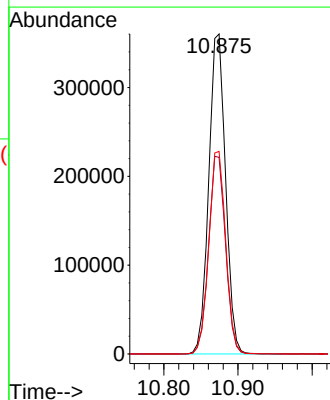
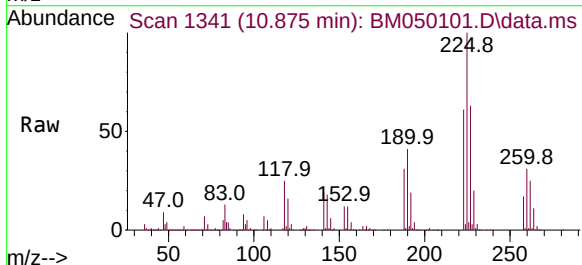
Ion	Ratio	Lower	Upper
127	100		
129	32.0	26.3	39.5
65	29.4	22.5	33.7
92	17.6	14.5	21.7

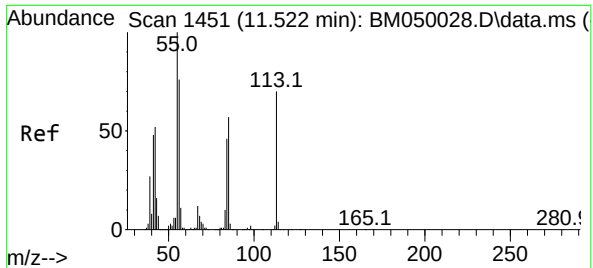


#34
Hexachlorobutadiene
Concen: 42.609 ng
RT: 10.875 min Scan# 1341
Delta R.T. -0.024 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

Tgt Ion:225 Resp: 567011

Ion	Ratio	Lower	Upper
225	100		
223	61.5	50.2	75.2
227	63.3	50.6	76.0

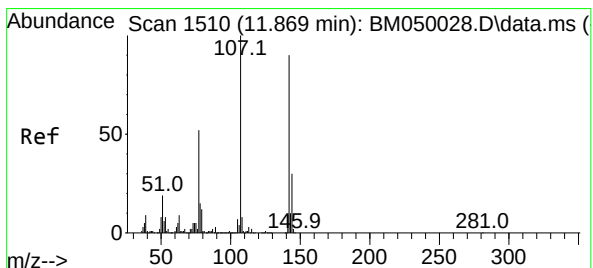
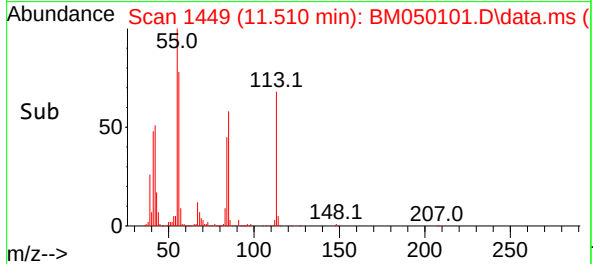
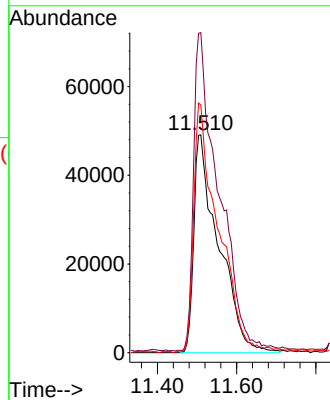
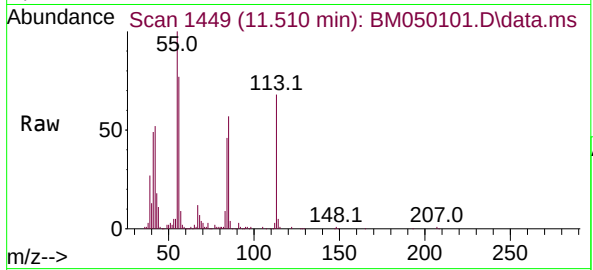




#35
Caprolactam
Concen: 42.286 ng
RT: 11.510 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

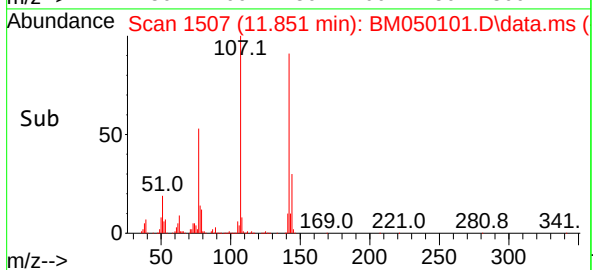
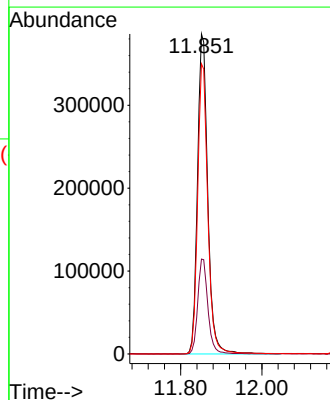
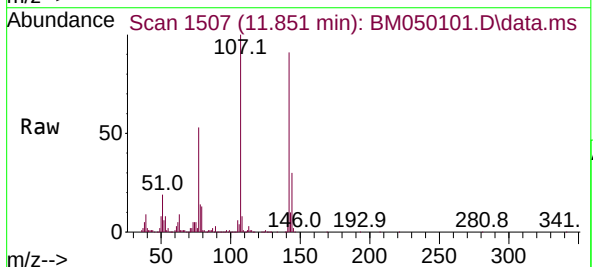
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMS

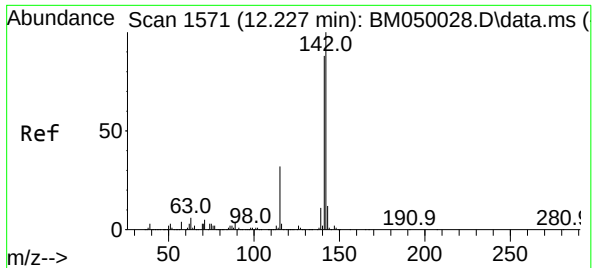
Tgt Ion:113 Resp: 212152
Ion Ratio Lower Upper
113 100
55 146.9 122.9 162.9
56 113.7 88.1 128.1



#36
4-Chloro-3-methylphenol
Concen: 43.036 ng
RT: 11.851 min Scan# 1507
Delta R.T. -0.018 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

Tgt Ion:107 Resp: 684151
Ion Ratio Lower Upper
107 100
144 29.7 23.8 35.6
142 90.7 71.9 107.9

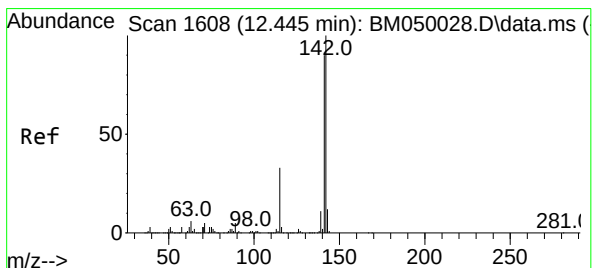
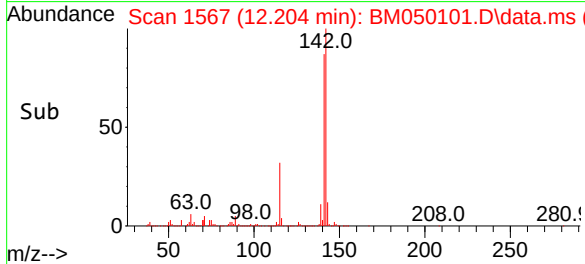
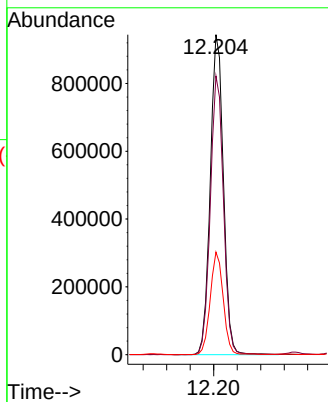
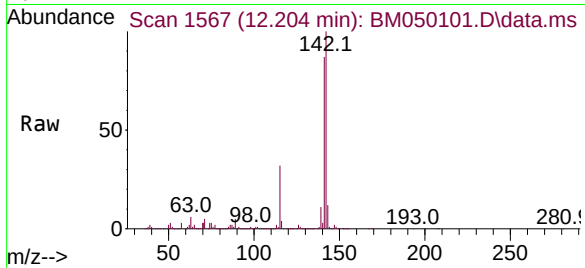




#37
2-Methylnaphthalene
Concen: 41.664 ng
RT: 12.204 min Scan# 1567
Delta R.T. -0.024 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

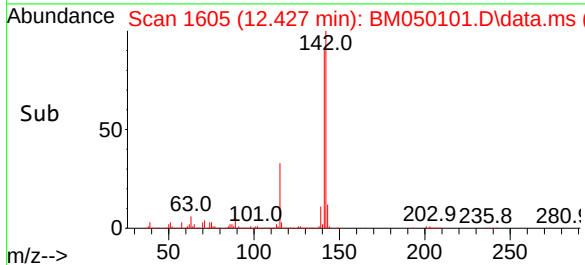
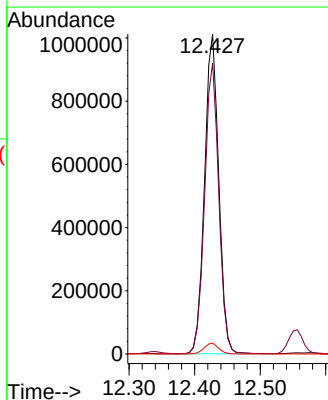
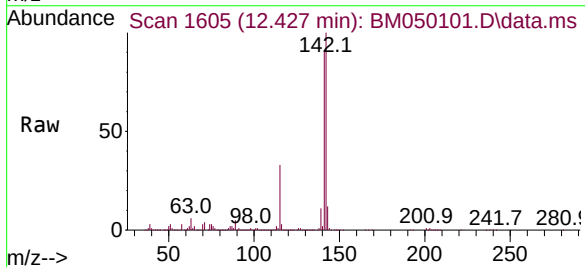
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMS

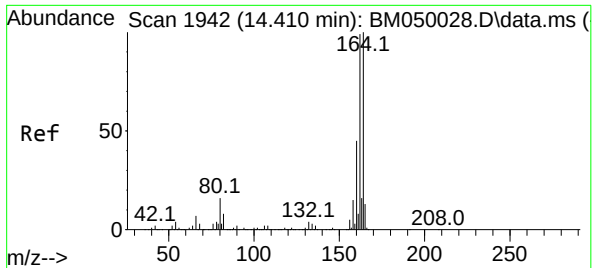
Tgt Ion:142 Resp: 1461550
Ion Ratio Lower Upper
142 100
141 87.1 70.4 105.6
115 32.0 25.4 38.2



#38
1-Methylnaphthalene
Concen: 41.079 ng
RT: 12.427 min Scan# 1605
Delta R.T. -0.018 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

Tgt Ion:142 Resp: 1525009
Ion Ratio Lower Upper
142 100
141 90.9 72.1 108.1
116 3.4 2.7 4.1

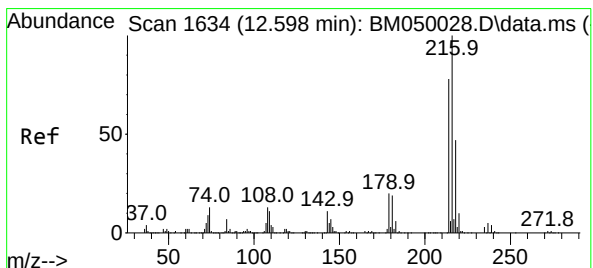
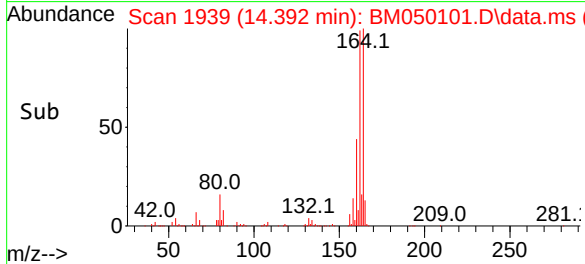
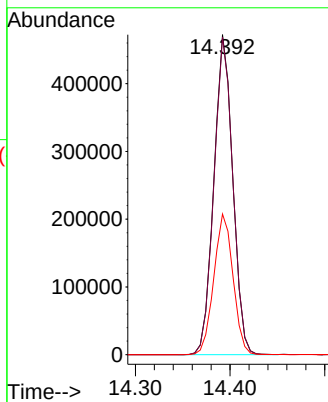
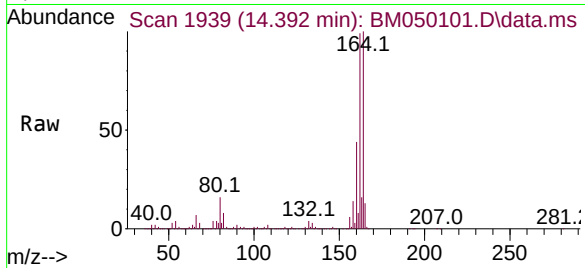




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. -0.018 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

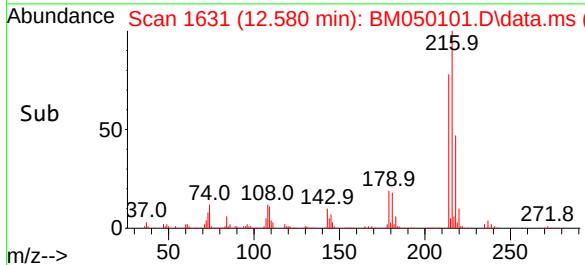
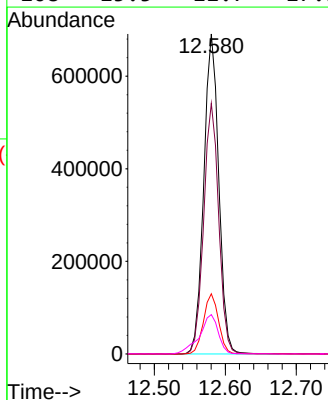
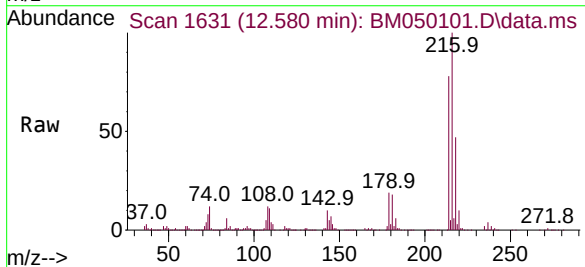
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMS

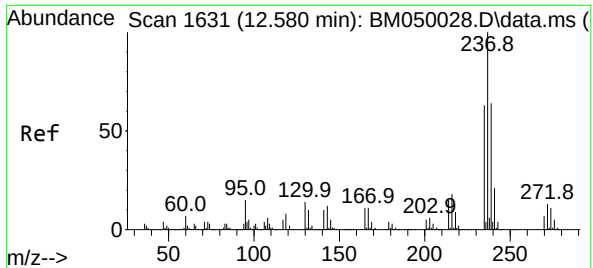
Tgt Ion:164 Resp: 655158
Ion Ratio Lower Upper
164 100
162 99.3 79.4 119.0
160 43.9 36.2 54.4



#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.745 ng
RT: 12.580 min Scan# 1631
Delta R.T. -0.018 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

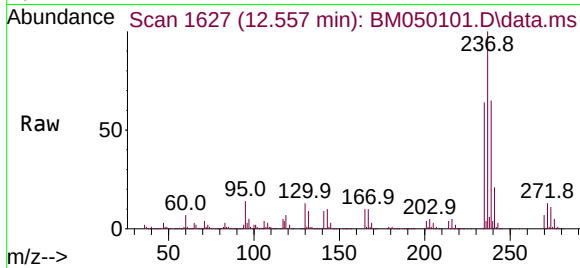
Tgt Ion:216 Resp: 1014802
Ion Ratio Lower Upper
216 100
214 78.6 62.3 93.5
179 19.0 15.4 23.0
108 15.5 11.7 17.5



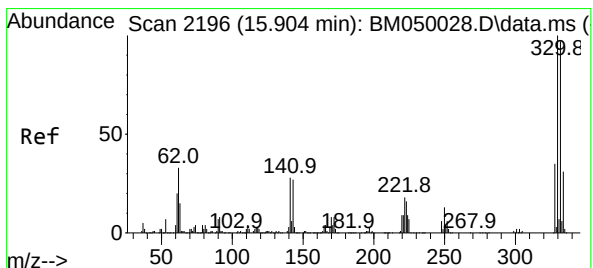
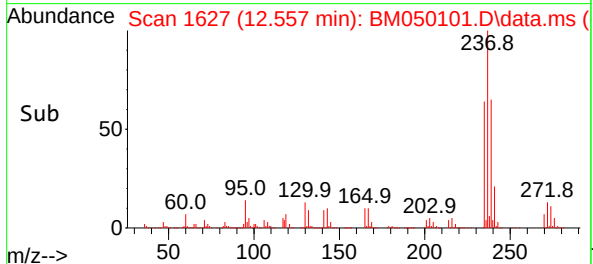
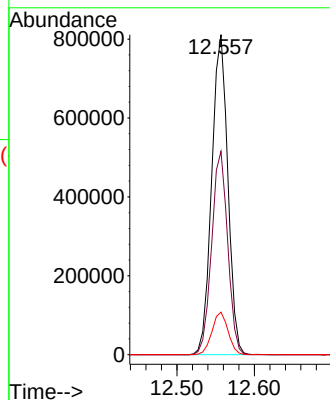


#41
Hexachlorocyclopentadiene
Concen: 84.429 ng
RT: 12.557 min Scan# 1
Delta R.T. -0.023 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMS

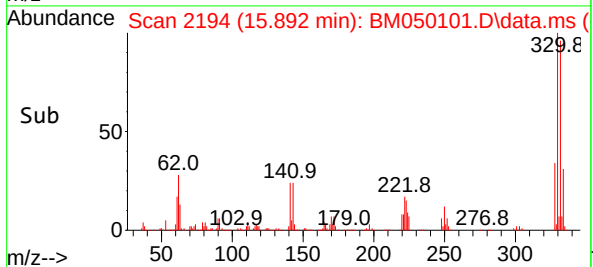
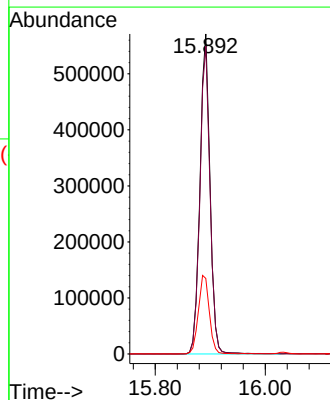
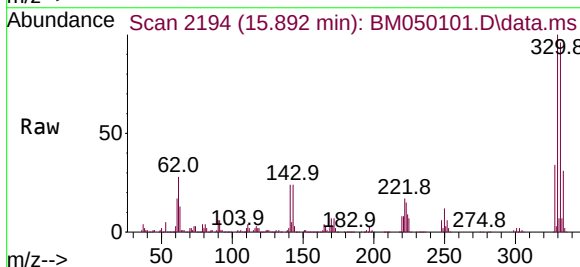


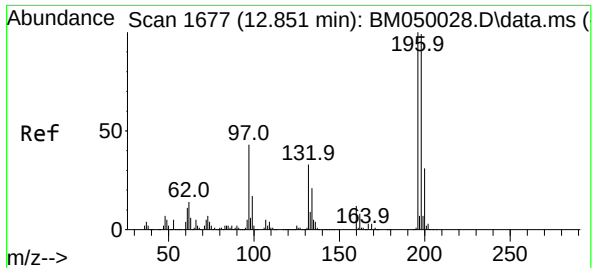
Tgt Ion:237 Resp: 1170193
Ion Ratio Lower Upper
237 100
235 63.6 42.9 82.9
272 13.3 0.0 32.9



#42
2,4,6-Tribromophenol
Concen: 75.041 ng
RT: 15.892 min Scan# 2194
Delta R.T. -0.012 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

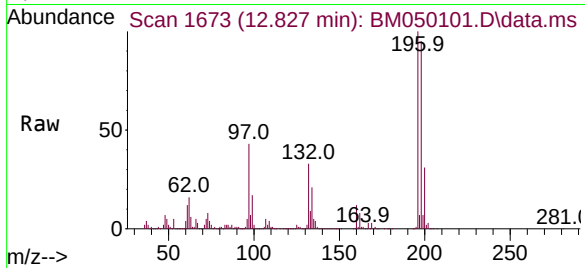
Tgt Ion:330 Resp: 726955
Ion Ratio Lower Upper
330 100
332 96.5 77.3 115.9
141 26.7 22.5 33.7



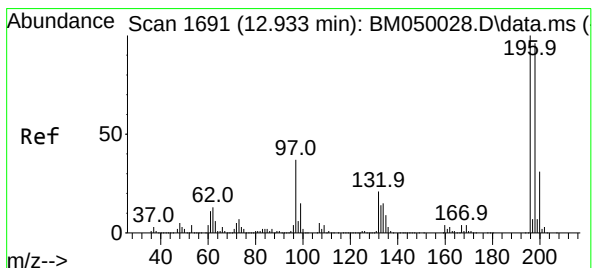
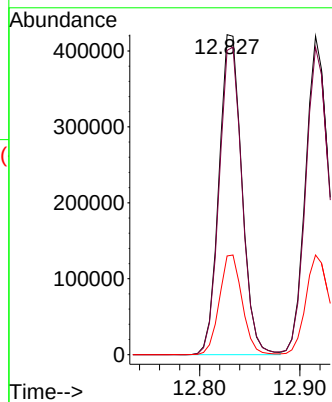
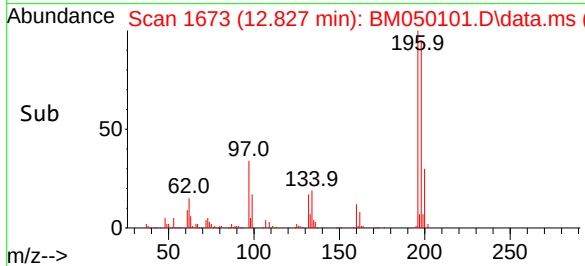


#43
2,4,6-Trichlorophenol
Concen: 46.492 ng
RT: 12.827 min Scan# 1687
Delta R.T. -0.024 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

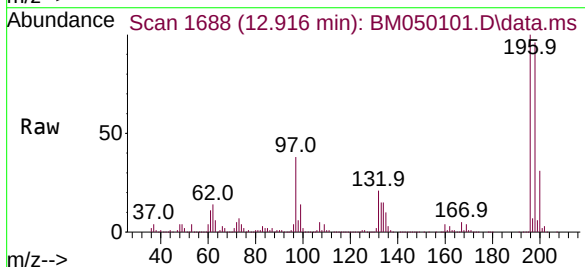
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMS



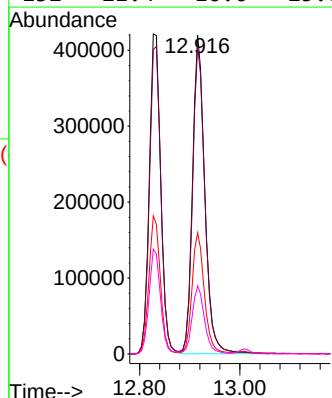
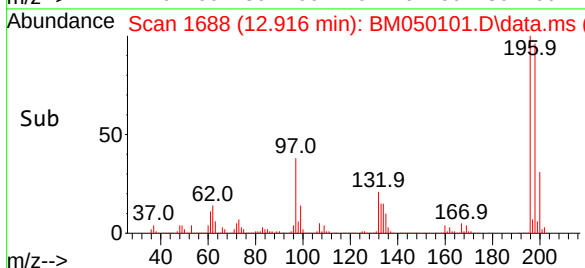
Tgt Ion:196 Resp: 668780
Ion Ratio Lower Upper
196 100
198 95.1 79.0 118.6
200 30.8 25.1 37.7

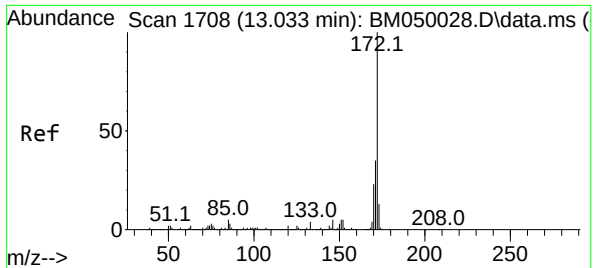


#44
2,4,5-Trichlorophenol
Concen: 46.054 ng
RT: 12.916 min Scan# 1688
Delta R.T. -0.018 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21



Tgt Ion:196 Resp: 714392
Ion Ratio Lower Upper
196 100
198 96.5 76.7 115.1
97 38.0 30.1 45.1
132 21.4 16.6 25.0

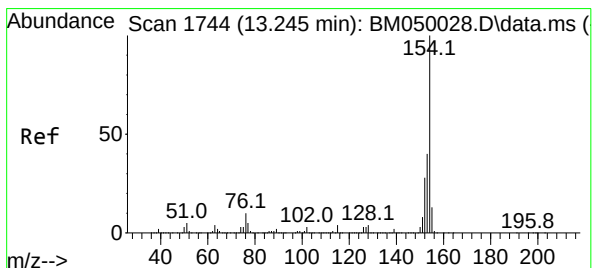
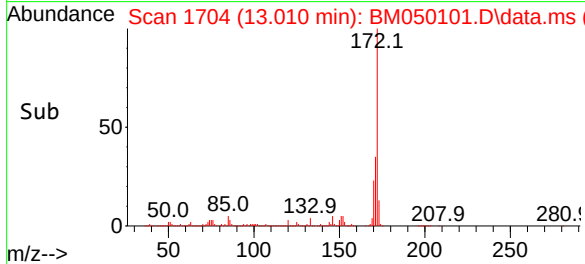
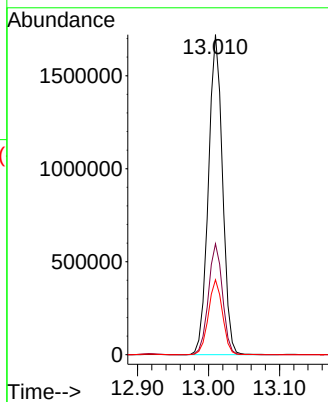
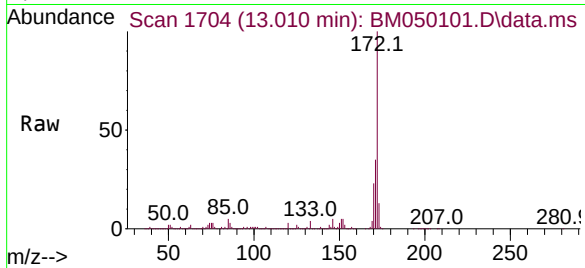




#45
2-Fluorobiphenyl
Concen: 43.028 ng
RT: 13.010 min Scan# 1704
Delta R.T. -0.024 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

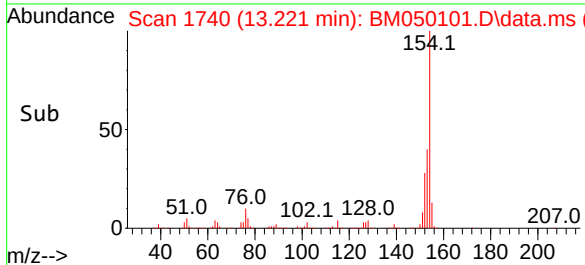
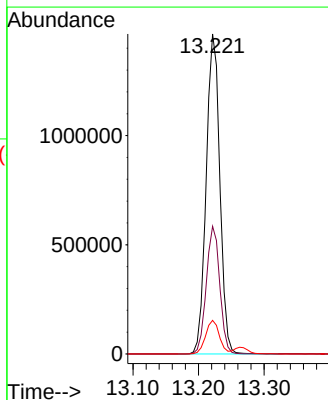
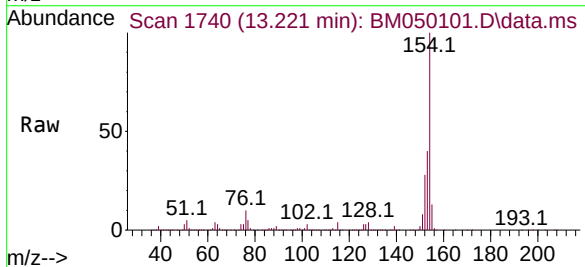
Instrument :
BNA_M
ClientSampleId :
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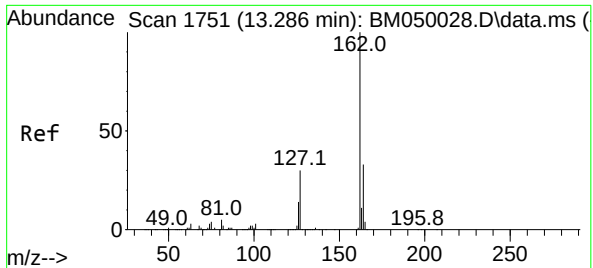
Tgt Ion:172 Resp: 2382973
Ion Ratio Lower Upper
172 100
171 34.6 27.8 41.6
170 23.4 18.6 28.0



#46
1,1'-Biphenyl
Concen: 43.525 ng
RT: 13.221 min Scan# 1740
Delta R.T. -0.024 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

Tgt Ion:154 Resp: 2119703
Ion Ratio Lower Upper
154 100
153 39.9 20.0 60.0
76 10.5 0.0 30.3

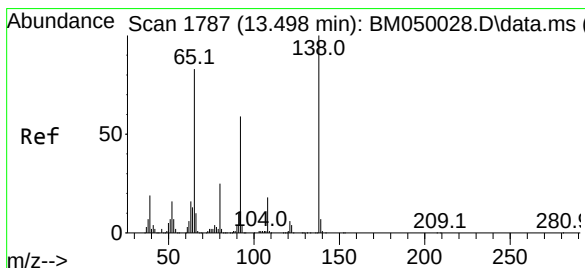
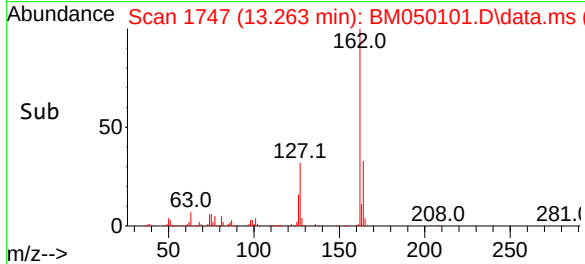
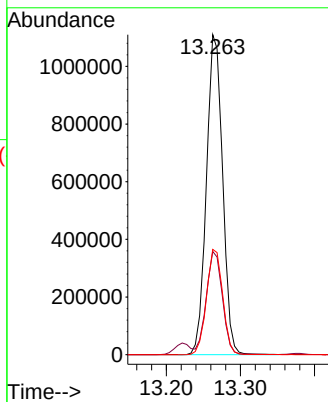
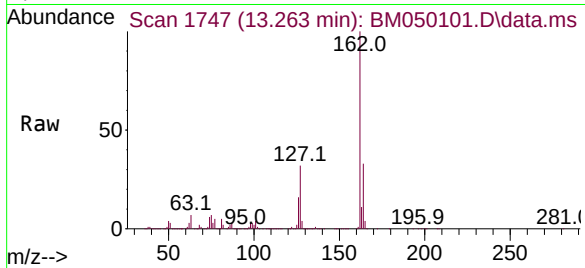




#47
2-Chloronaphthalene
Concen: 43.613 ng
RT: 13.263 min Scan# 1747
Delta R.T. -0.024 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

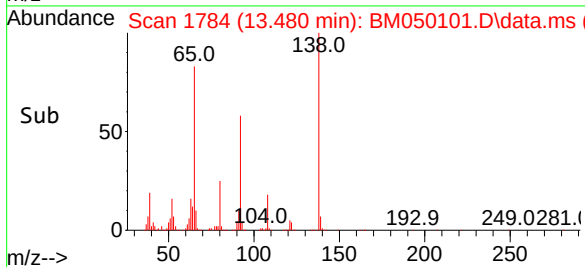
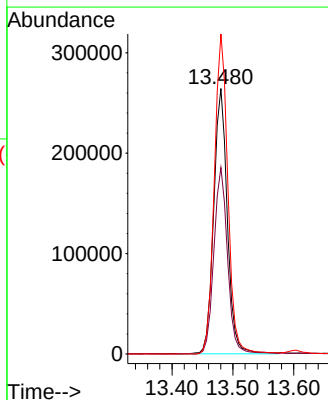
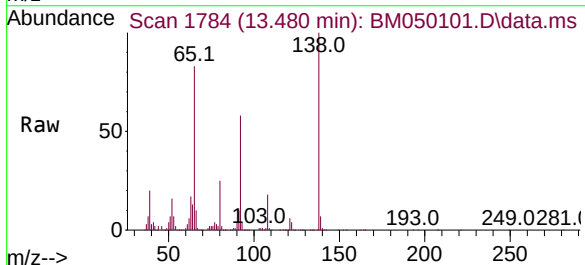
Instrument :
BNA_M
ClientSampleId :
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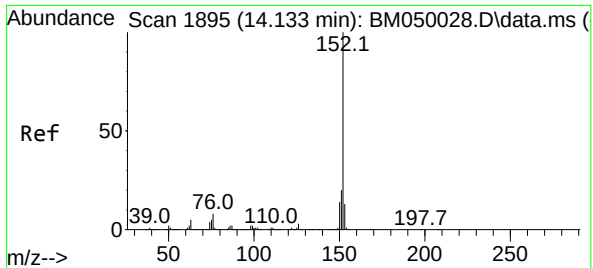
Tgt Ion:162 Resp: 1682226
Ion Ratio Lower Upper
162 100
127 32.3 25.9 38.9
164 32.9 26.6 40.0



#48
2-Nitroaniline
Concen: 45.305 ng
RT: 13.480 min Scan# 1784
Delta R.T. -0.018 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

Tgt Ion: 65 Resp: 410137
Ion Ratio Lower Upper
65 100
92 70.2 57.1 85.7
138 120.6 97.0 145.4

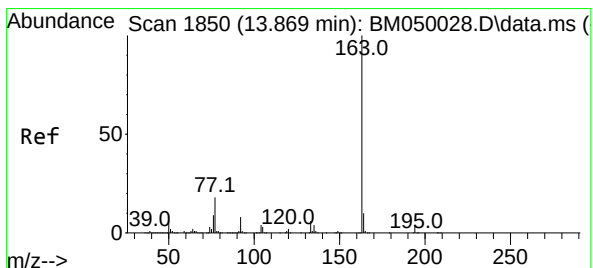
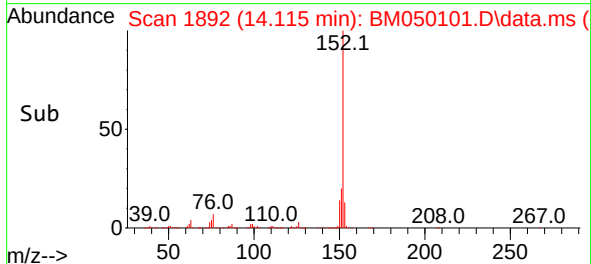
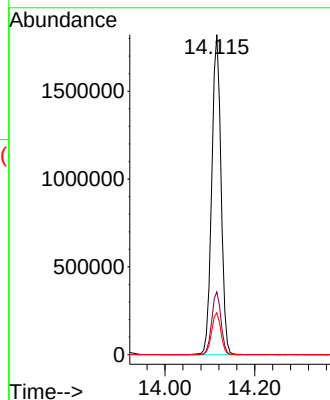
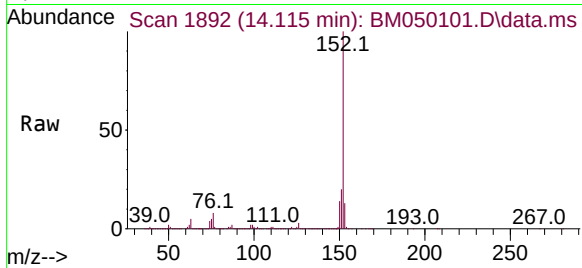




#49
Acenaphthylene
Concen: 42.873 ng
RT: 14.115 min Scan# 1892
Delta R.T. -0.018 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

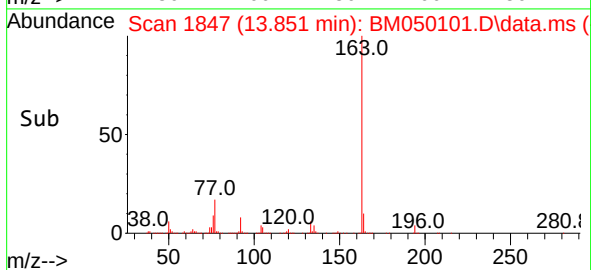
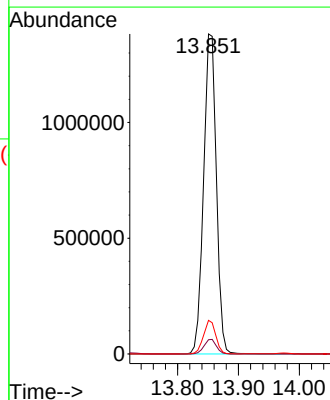
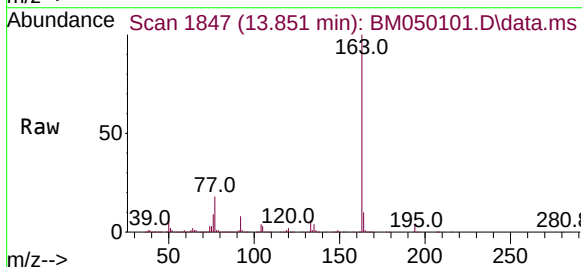
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ClientSampleId :
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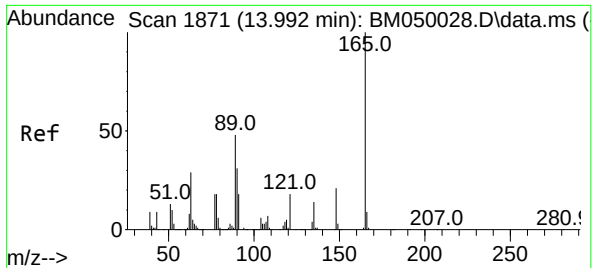
Tgt Ion:152 Resp: 2607333
Ion Ratio Lower Upper
152 100
151 19.6 15.8 23.8
153 13.1 10.6 15.8



#50
Dimethylphthalate
Concen: 41.950 ng
RT: 13.851 min Scan# 1847
Delta R.T. -0.018 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

Tgt Ion:163 Resp: 2008543
Ion Ratio Lower Upper
163 100
194 4.5 3.4 5.2
164 10.5 8.2 12.2

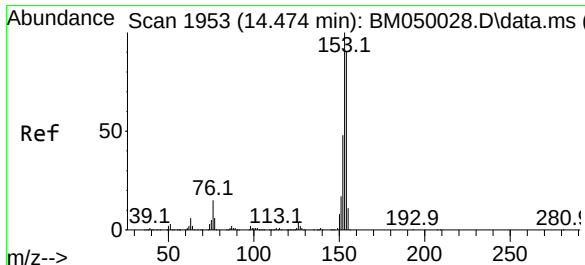
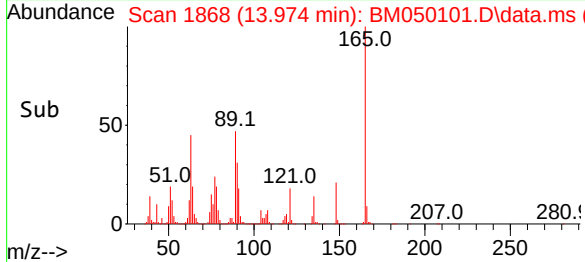
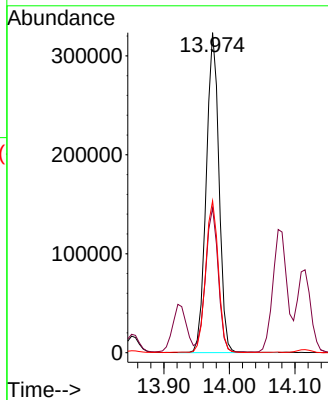
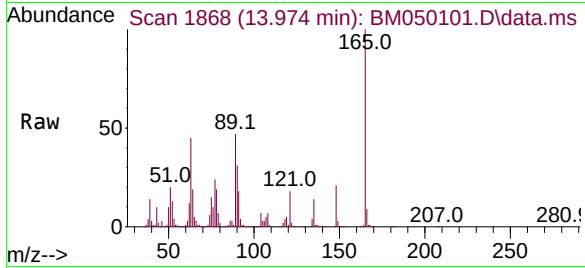




#51
2,6-Dinitrotoluene
Concen: 44.061 ng
RT: 13.974 min Scan# 1868
Delta R.T. -0.018 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

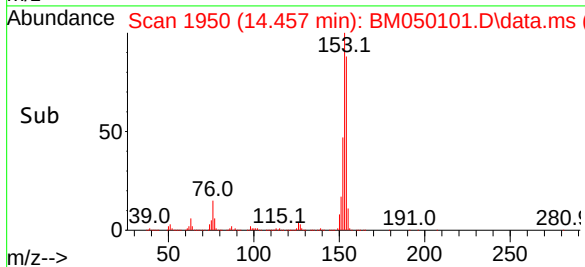
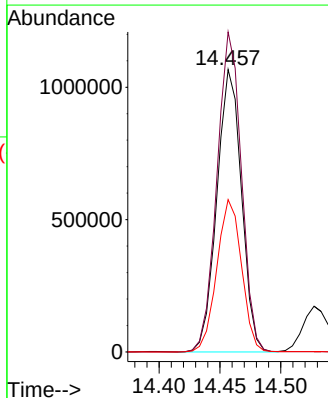
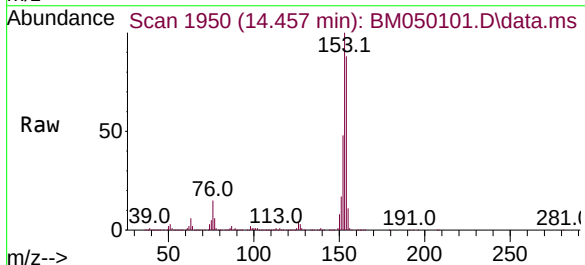
Instrument :
BNA_M
ClientSampleId :
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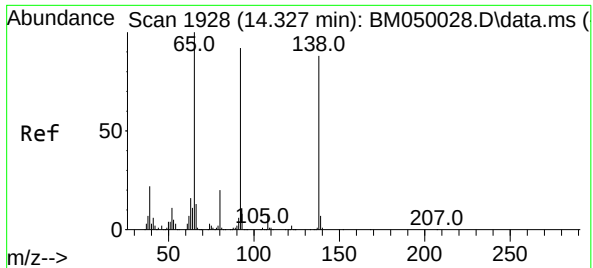
Tgt Ion:165 Resp: 436791
Ion Ratio Lower Upper
165 100
63 45.3 35.1 52.7
89 47.4 38.4 57.6



#52
Acenaphthene
Concen: 42.700 ng
RT: 14.457 min Scan# 1950
Delta R.T. -0.018 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

Tgt Ion:154 Resp: 1503119
Ion Ratio Lower Upper
154 100
153 113.3 89.0 133.4
152 53.9 43.0 64.6

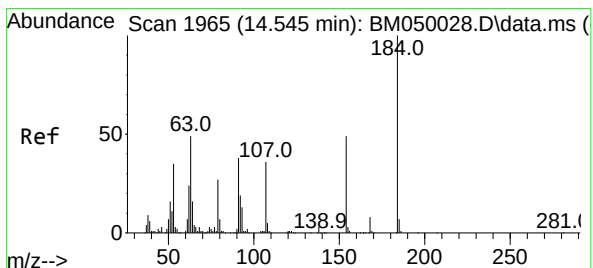
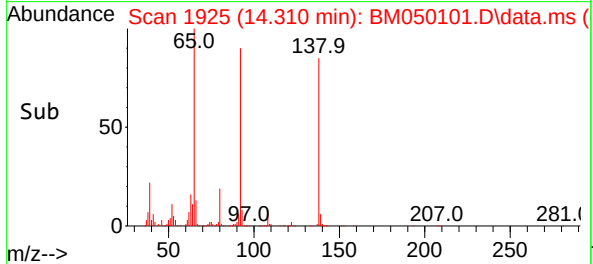
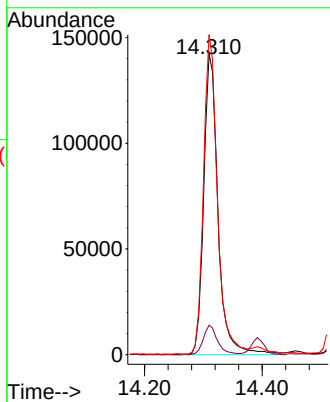
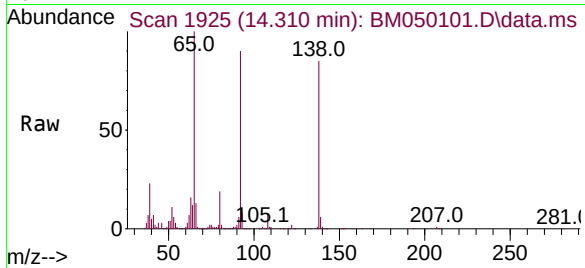




#53
3-Nitroaniline
Concen: 25.431 ng
RT: 14.310 min Scan# 1925
Delta R.T. -0.018 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

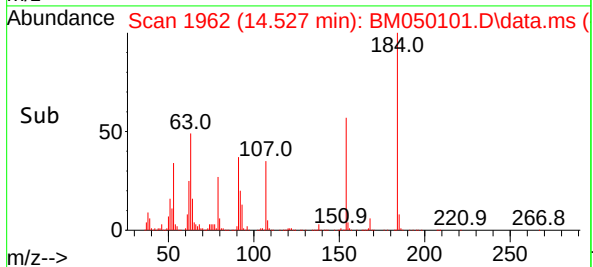
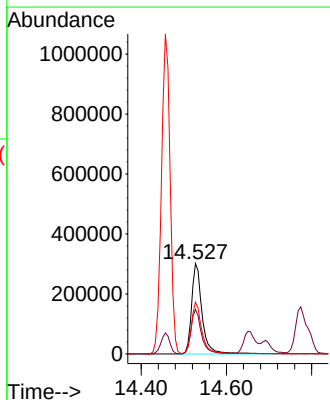
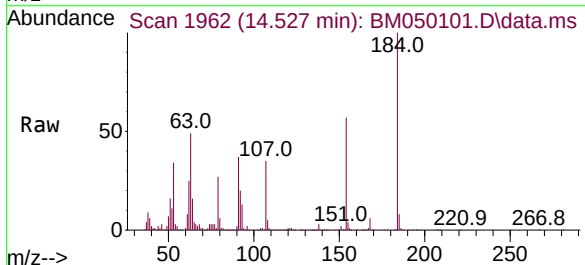
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BNA_M
ClientSampleId :
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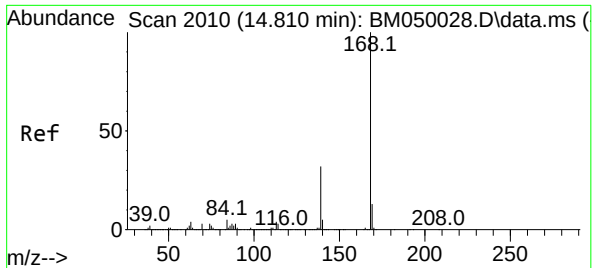
Tgt Ion:138 Resp: 240688
Ion Ratio Lower Upper
138 100
108 9.8 7.4 11.2
92 106.3 84.0 126.0



#54
2,4-Dinitrophenol
Concen: 81.228 ng
RT: 14.527 min Scan# 1962
Delta R.T. -0.018 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

Tgt Ion:184 Resp: 515925
Ion Ratio Lower Upper
184 100
63 49.2 39.8 59.6
154 57.3 46.1 69.1

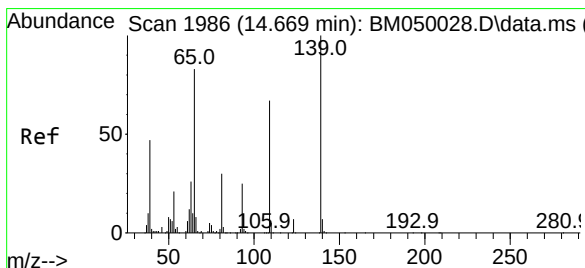
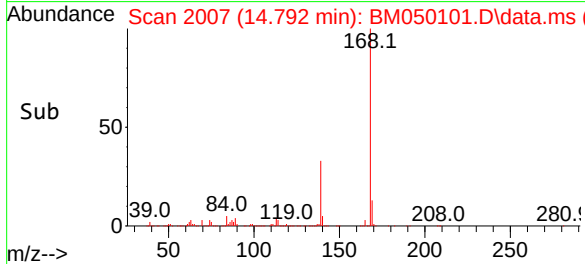
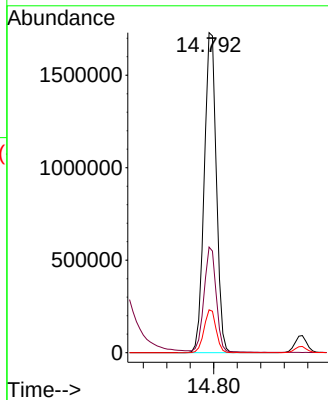
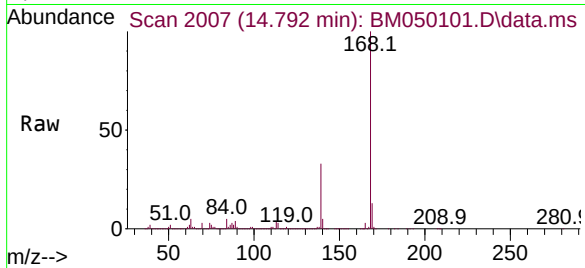




#55
Dibenzenofuran
Concen: 42.175 ng
RT: 14.792 min Scan# 2010
Delta R.T. -0.018 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

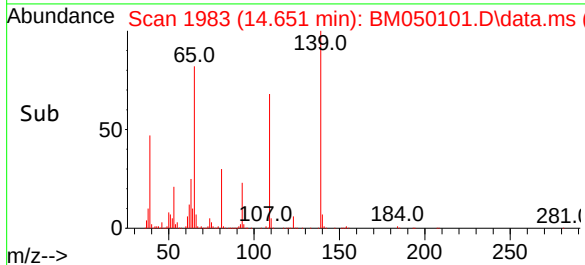
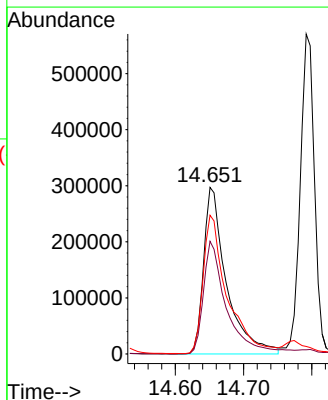
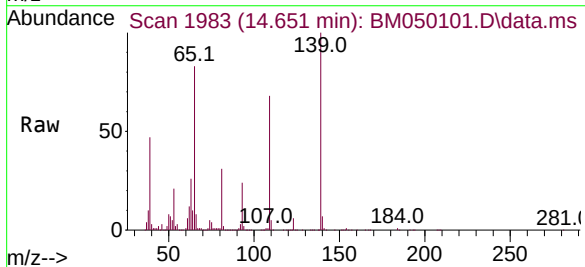
Instrument :
BNA_M
ClientSampleId :
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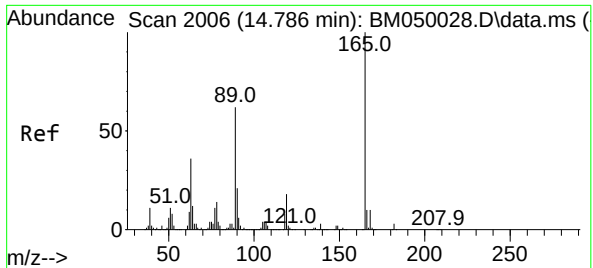
Tgt Ion:168 Resp: 2470123
Ion Ratio Lower Upper
168 100
139 33.0 26.1 39.1
169 13.4 10.8 16.2



#56
4-Nitrophenol
Concen: 89.330 ng
RT: 14.651 min Scan# 1983
Delta R.T. -0.018 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

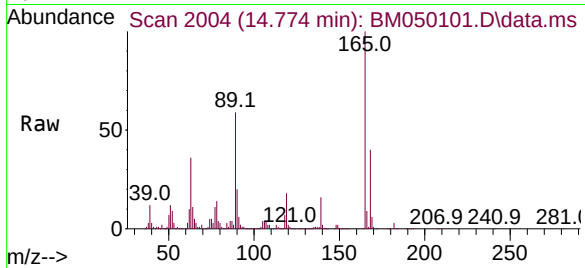
Tgt Ion:139 Resp: 692129
Ion Ratio Lower Upper
139 100
109 67.6 47.0 87.0
65 83.3 64.3 104.3



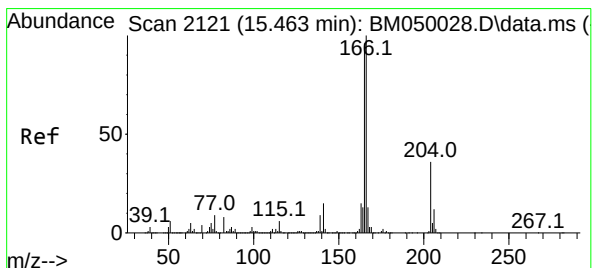
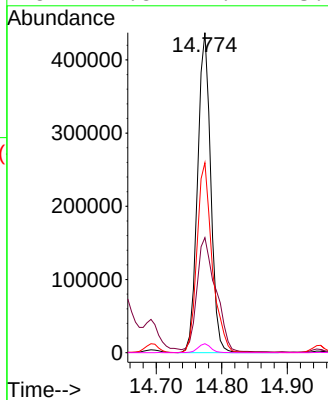
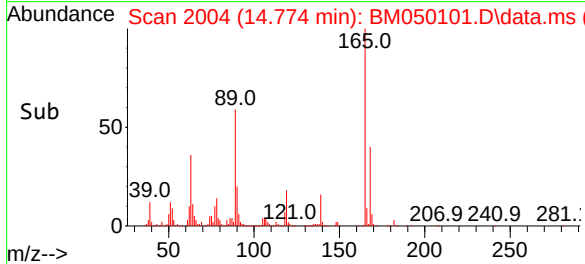


#57
2,4-Dinitrotoluene
Concen: 44.730 ng
RT: 14.774 min Scan# 2004
Delta R.T. -0.012 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

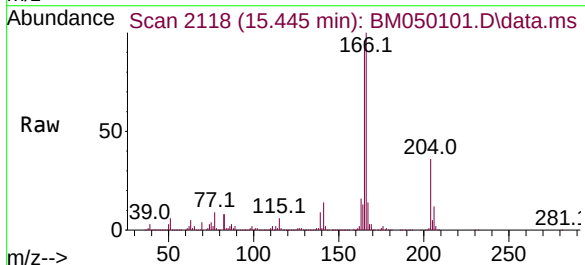
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMS



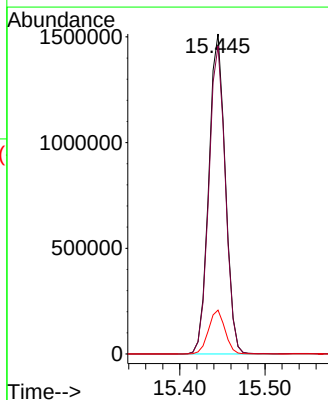
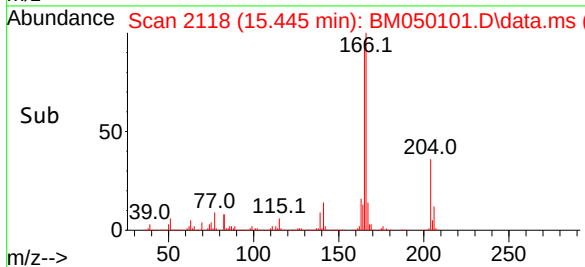
Tgt Ion:165 Resp: 612717
Ion Ratio Lower Upper
165 100
63 35.9 29.0 43.6
89 59.4 49.4 74.2
182 2.8 2.2 3.2

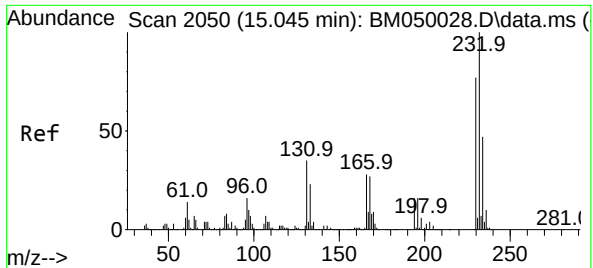


#58
Fluorene
Concen: 42.517 ng
RT: 15.445 min Scan# 2118
Delta R.T. -0.018 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21



Tgt Ion:166 Resp: 2038230
Ion Ratio Lower Upper
166 100
165 96.2 76.6 115.0
167 13.7 10.6 16.0

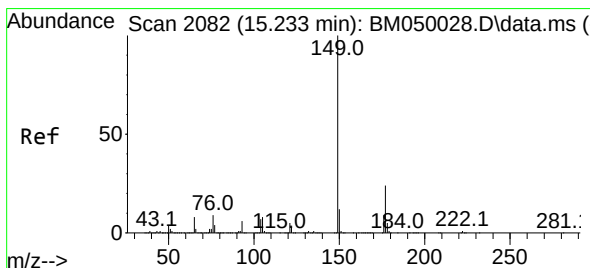
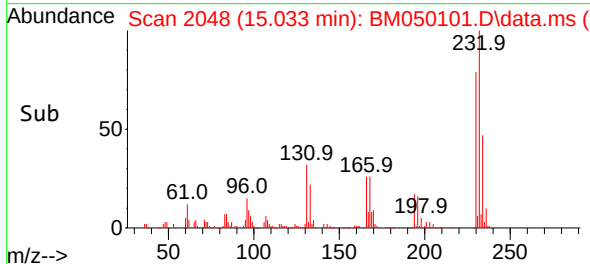
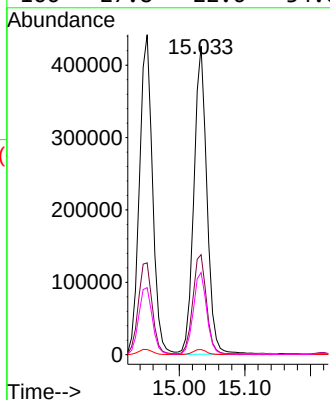
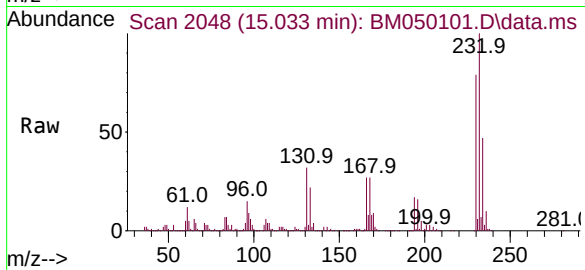




#59
2,3,4,6-Tetrachlorophenol
Concen: 43.774 ng
RT: 15.033 min Scan# 2050
Delta R.T. -0.012 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

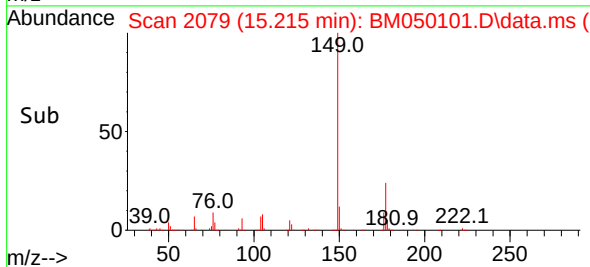
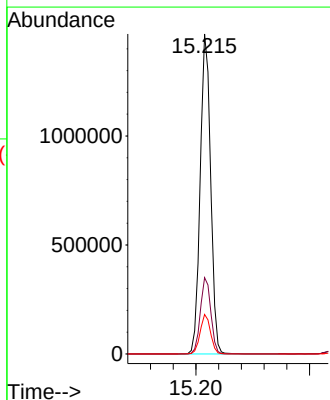
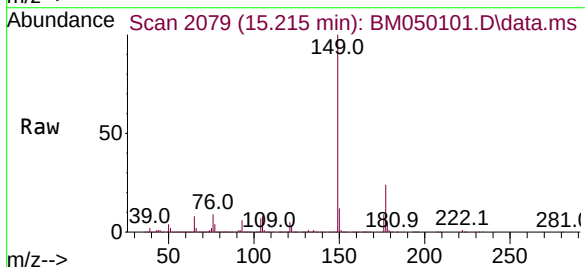
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ClientSampleId :
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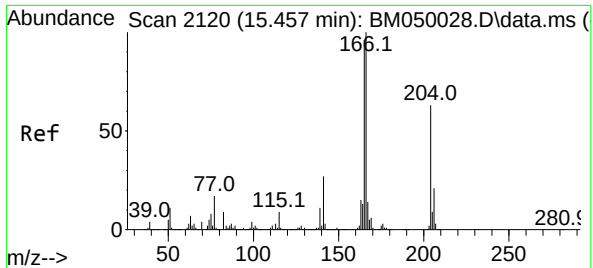
Tgt Ion:232 Resp: 587763
Ion Ratio Lower Upper
232 100
131 34.4 28.2 42.4
130 1.7 1.5 2.3
166 27.8 22.6 34.0



#60
Diethylphthalate
Concen: 41.441 ng
RT: 15.215 min Scan# 2079
Delta R.T. -0.018 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

Tgt Ion:149 Resp: 1869621
Ion Ratio Lower Upper
149 100
177 23.9 19.1 28.7
150 12.3 9.6 14.4

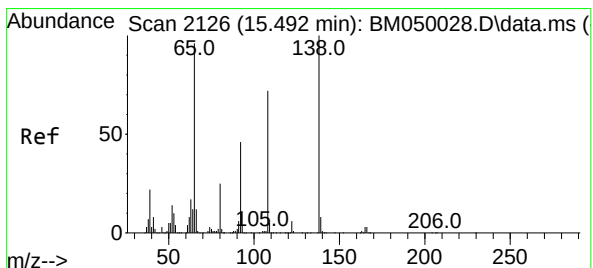
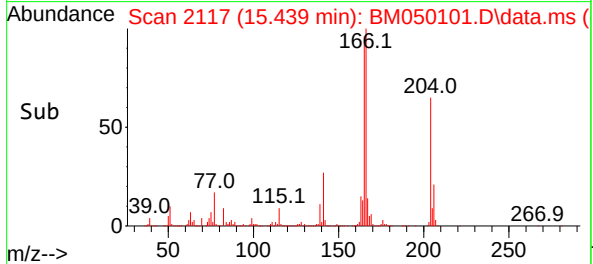
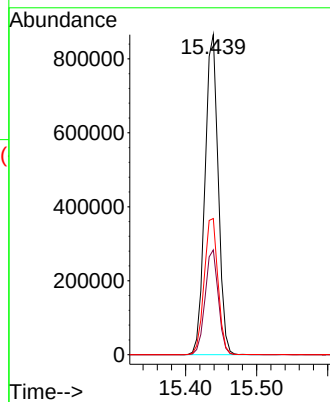
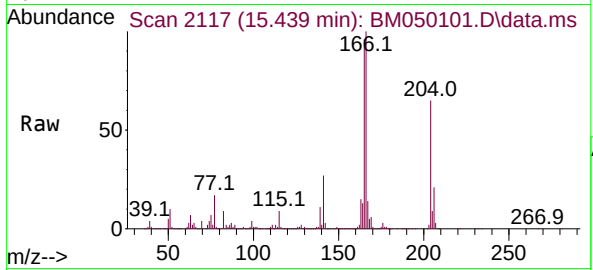




#61
4-Chlorophenyl-phenylether
Concen: 42.701 ng
RT: 15.439 min Scan# 2117
Delta R.T. -0.018 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

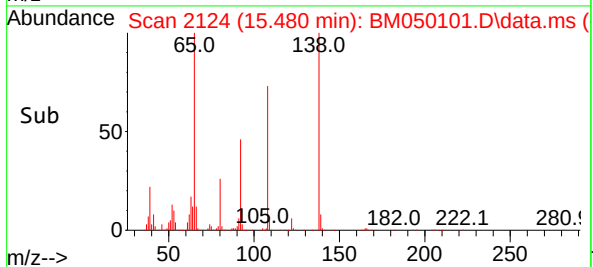
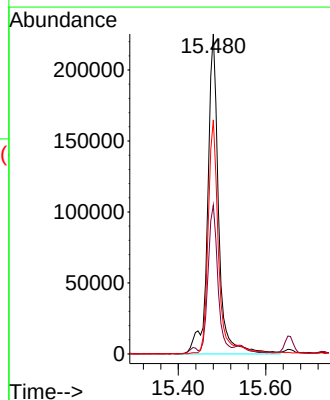
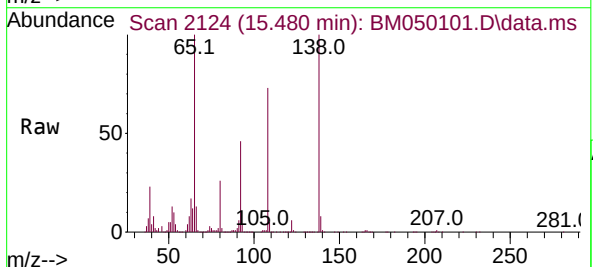
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BNA_M
ClientSampleId :
LARGE-PILE-CMS

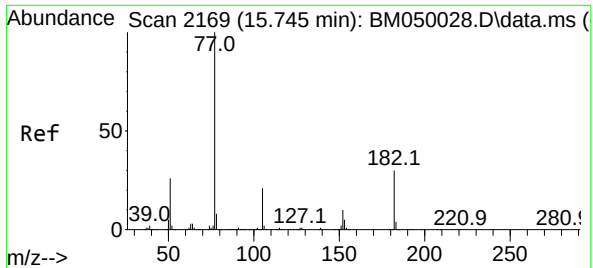
Tgt Ion:204 Resp: 1124376
Ion Ratio Lower Upper
204 100
206 32.7 26.3 39.5
141 42.5 34.0 51.0



#62
4-Nitroaniline
Concen: 43.165 ng
RT: 15.480 min Scan# 2124
Delta R.T. -0.012 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

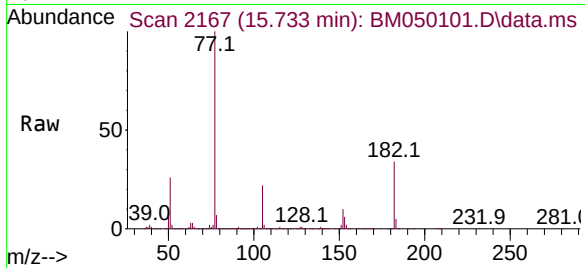
Tgt Ion:138 Resp: 394156
Ion Ratio Lower Upper
138 100
92 46.6 25.9 65.9
108 73.1 52.4 92.4



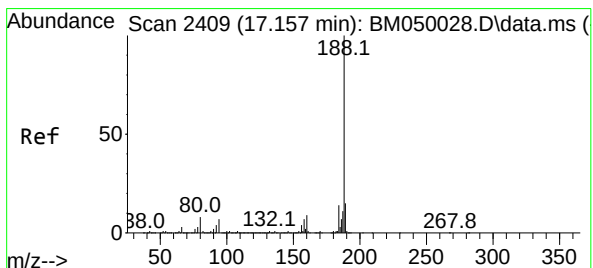
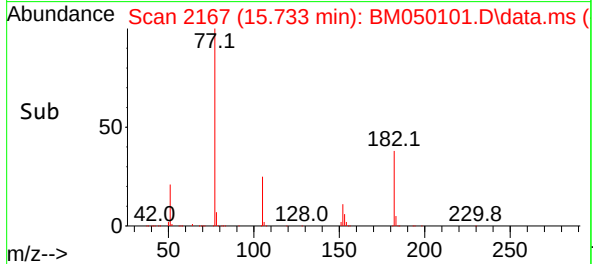
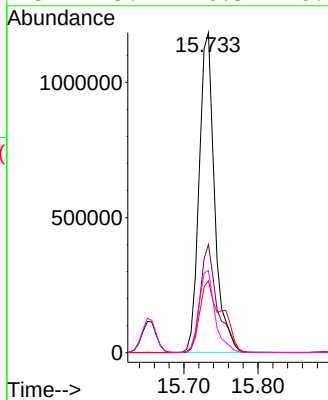


#63
Azobenzene
Concen: 45.362 ng
RT: 15.733 min Scan# 2167
Delta R.T. -0.012 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMS

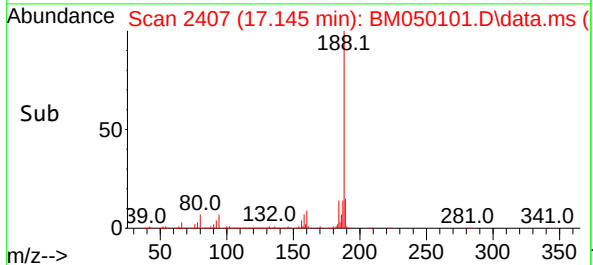
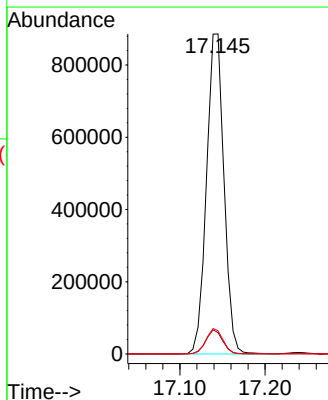
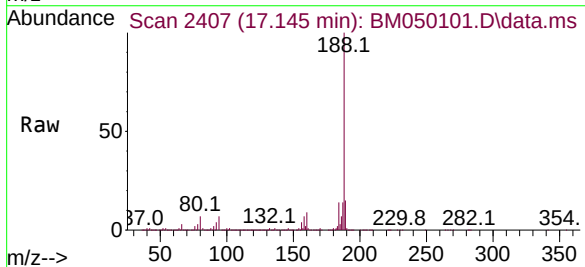


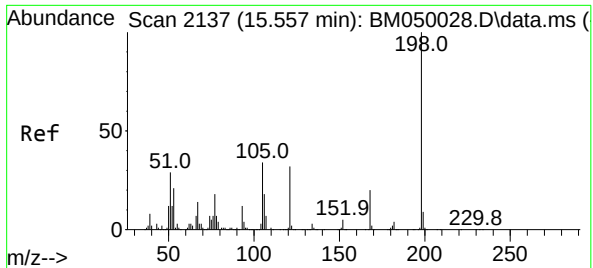
Tgt Ion: 77 Resp: 1715145
Ion Ratio Lower Upper
77 100
182 33.9 10.5 50.5
105 22.5 1.1 41.1
51 25.7 6.3 46.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.145 min Scan# 2407
Delta R.T. -0.012 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

Tgt Ion: 188 Resp: 1260856
Ion Ratio Lower Upper
188 100
94 6.7 5.7 8.5
80 7.2 6.2 9.4

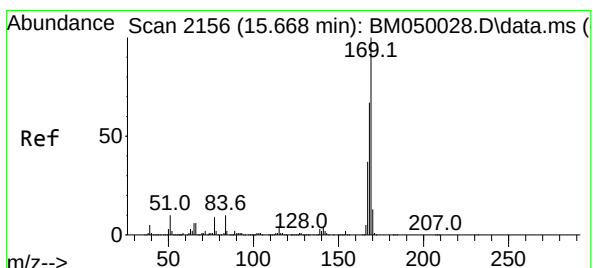
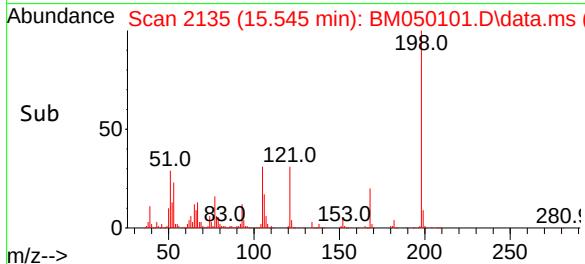
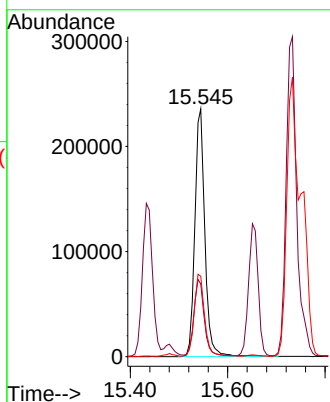
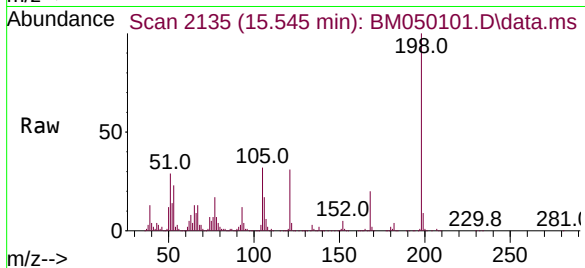




#65
4,6-Dinitro-2-methylphenol
Concen: 42.967 ng
RT: 15.545 min Scan# 2135
Delta R.T. -0.012 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

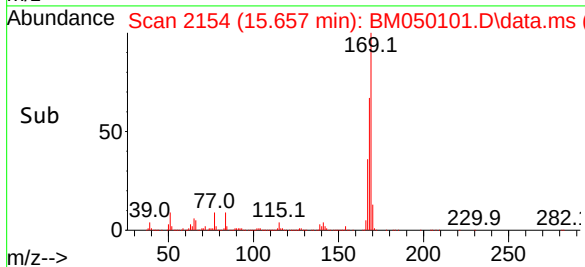
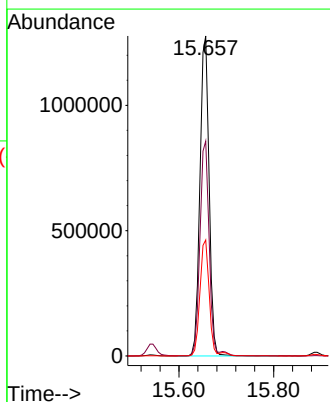
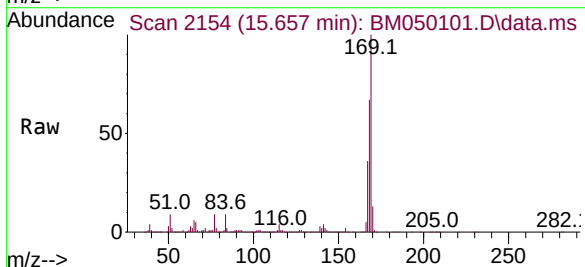
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ClientSampleId :
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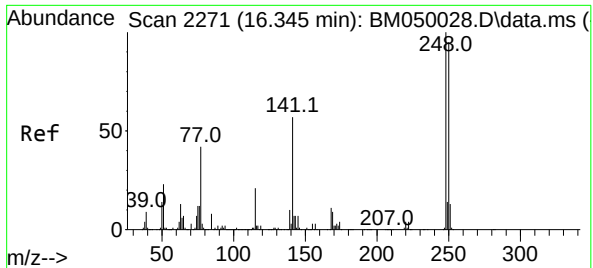
Tgt Ion:198 Resp: 339117
Ion Ratio Lower Upper
198 100
51 29.3 10.4 50.4
105 32.5 14.6 54.6



#66
n-Nitrosodiphenylamine
Concen: 43.928 ng
RT: 15.657 min Scan# 2154
Delta R.T. -0.012 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

Tgt Ion:169 Resp: 1700792
Ion Ratio Lower Upper
169 100
168 67.2 53.4 80.2
167 36.3 29.4 44.0

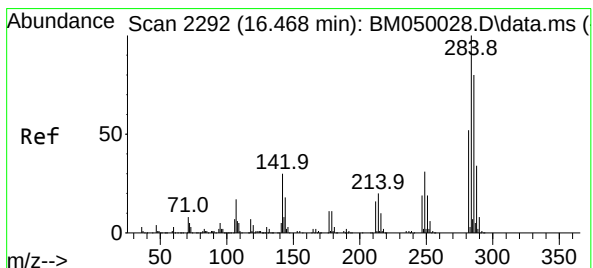
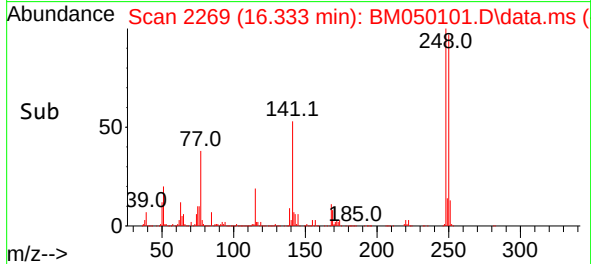
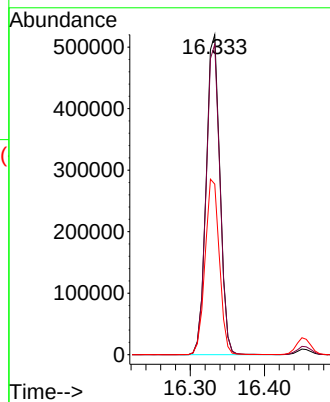
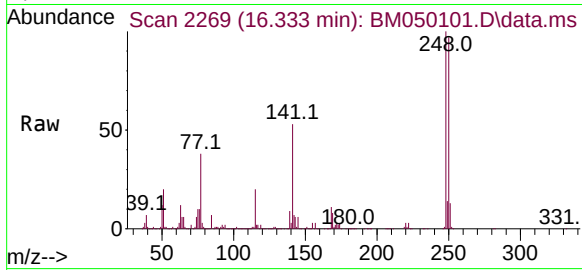




#67
4-Bromophenyl-phenylether
Concen: 44.187 ng
RT: 16.333 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

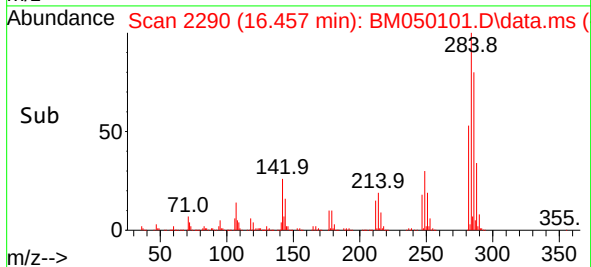
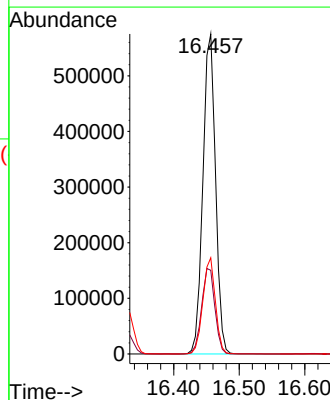
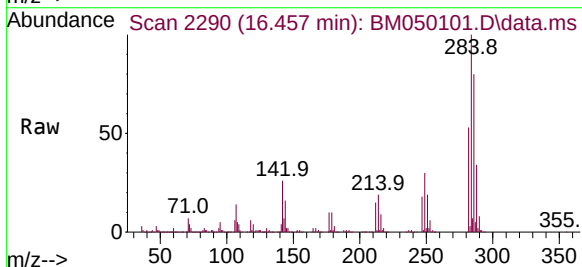
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ClientSampleId :
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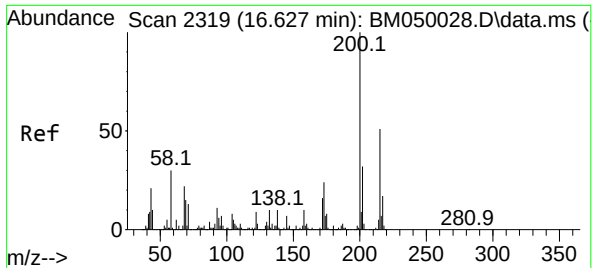
Tgt Ion:248 Resp: 673722
Ion Ratio Lower Upper
248 100
250 97.0 76.2 114.2
141 53.3 45.9 68.9



#68
Hexachlorobenzene
Concen: 43.936 ng
RT: 16.457 min Scan# 2290
Delta R.T. -0.012 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

Tgt Ion:284 Resp: 772197
Ion Ratio Lower Upper
284 100
142 26.2 23.9 35.9
249 30.0 24.5 36.7

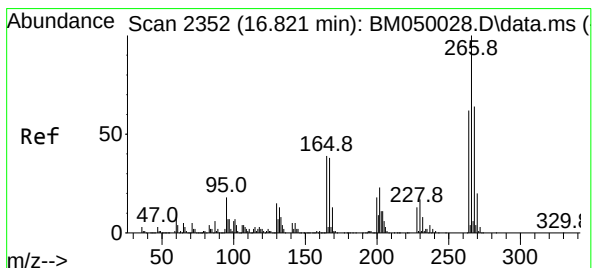
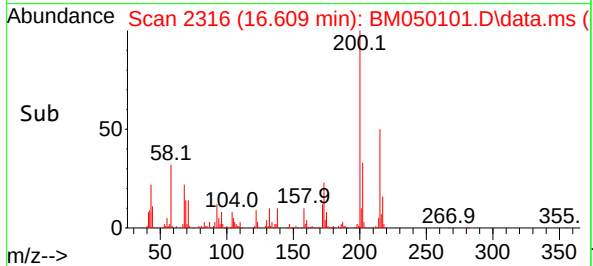
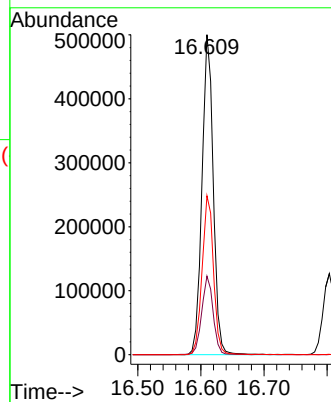
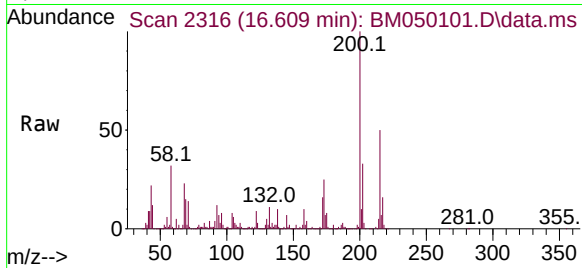




#69
 Atrazine
 Concen: 44.447 ng
 RT: 16.609 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BM050101.D
 Acq: 05 May 2025 16:21

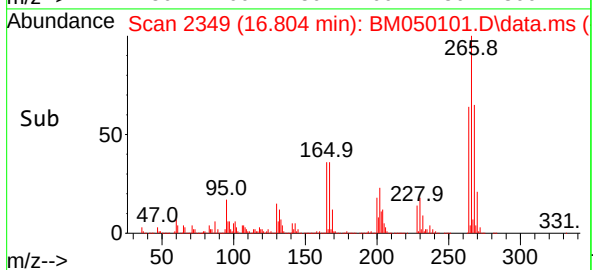
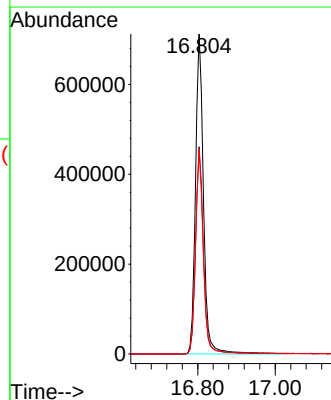
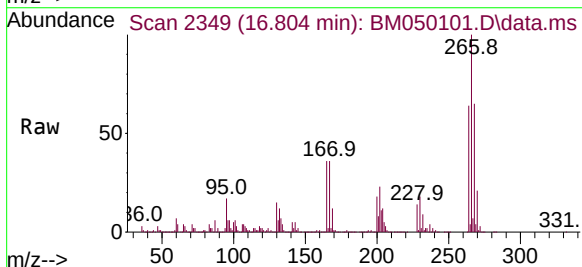
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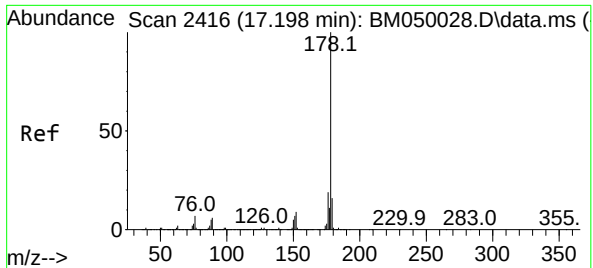
Tgt Ion:200 Resp: 620736
 Ion Ratio Lower Upper
 200 100
 173 24.6 4.3 44.3
 215 49.6 30.6 70.6



#70
 Pentachlorophenol
 Concen: 103.226 ng
 RT: 16.804 min Scan# 2349
 Delta R.T. -0.017 min
 Lab File: BM050101.D
 Acq: 05 May 2025 16:21

Tgt Ion:266 Resp: 1021224
 Ion Ratio Lower Upper
 266 100
 268 64.8 51.2 76.8
 264 63.9 49.6 74.4

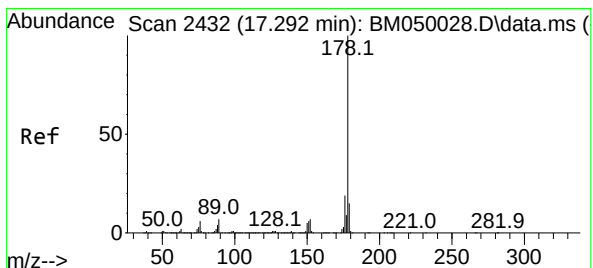
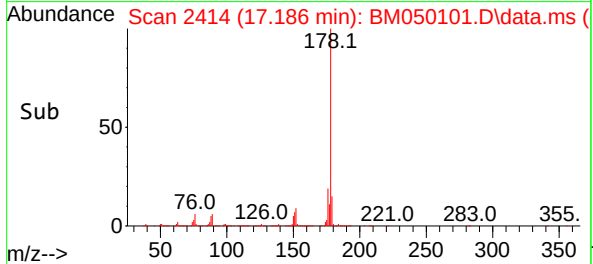
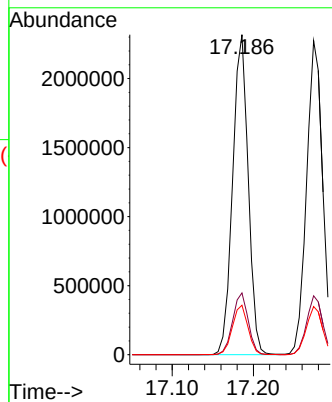
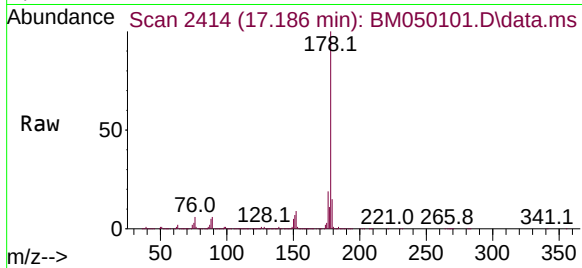




#71
Phenanthrene
Concen: 43.341 ng
RT: 17.186 min Scan# 2416
Delta R.T. -0.012 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

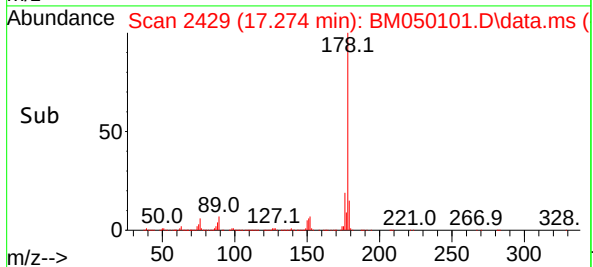
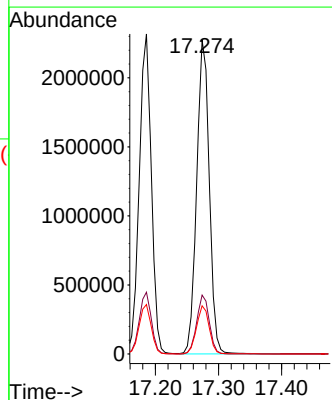
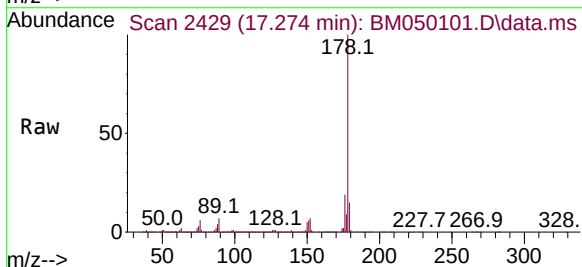
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BNA_M
ClientSampleId :
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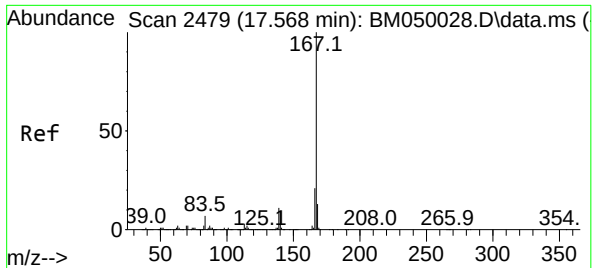
Tgt Ion:178 Resp: 3082125
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 15.4 12.4 18.6



#72
Anthracene
Concen: 43.650 ng
RT: 17.274 min Scan# 2429
Delta R.T. -0.018 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

Tgt Ion:178 Resp: 3141350
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.4
179 15.4 12.2 18.4

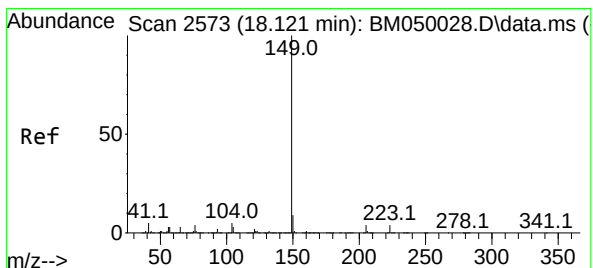
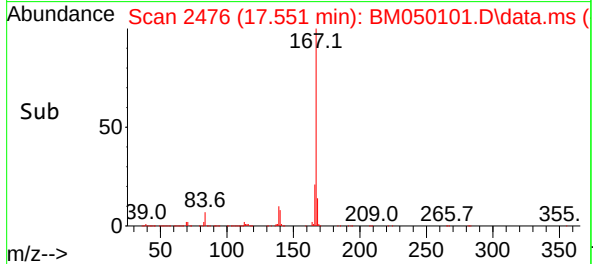
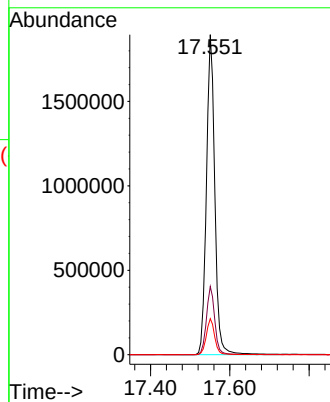
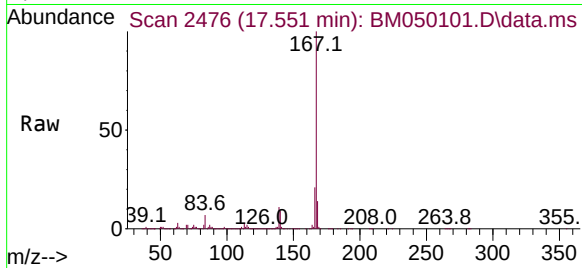




#73
Carbazole
Concen: 44.720 ng
RT: 17.551 min Scan# 2479
Delta R.T. -0.018 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

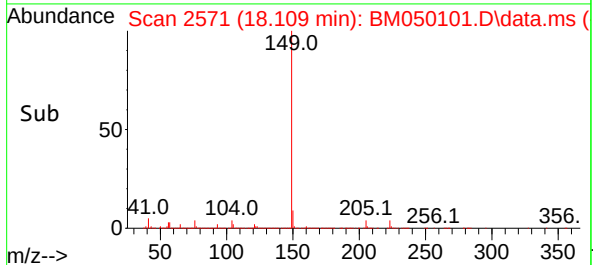
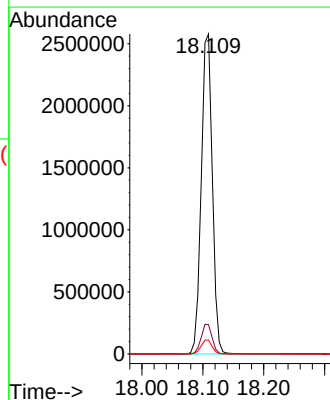
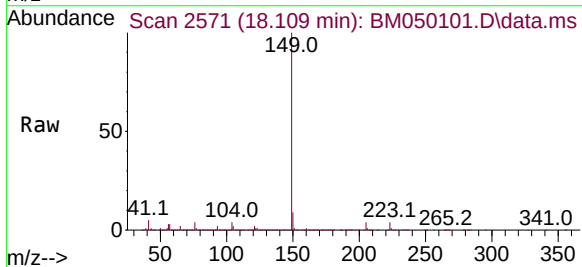
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BNA_M
ClientSampleId :
LARGE-PILE-CMS

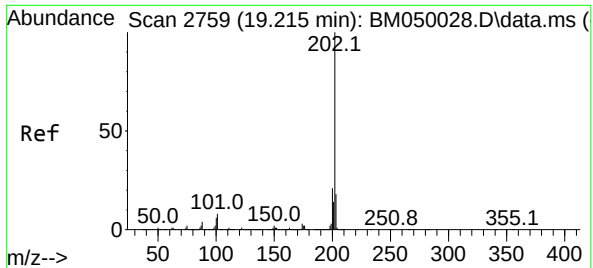
Tgt Ion:167 Resp: 2792713
Ion Ratio Lower Upper
167 100
166 21.3 17.2 25.8
139 11.3 9.0 13.6



#74
Di-n-butylphthalate
Concen: 43.482 ng
RT: 18.109 min Scan# 2571
Delta R.T. -0.012 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

Tgt Ion:149 Resp: 3233710
Ion Ratio Lower Upper
149 100
150 9.1 7.3 10.9
104 4.4 3.8 5.6

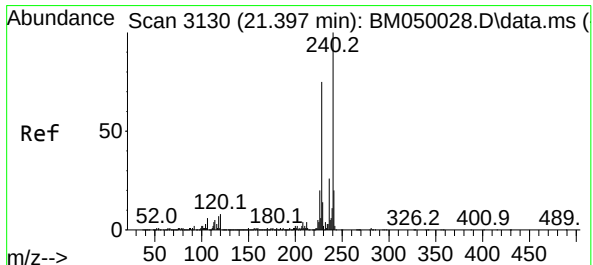
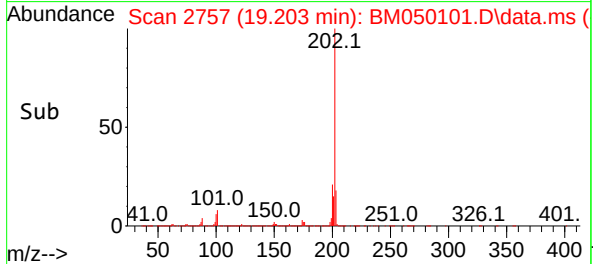
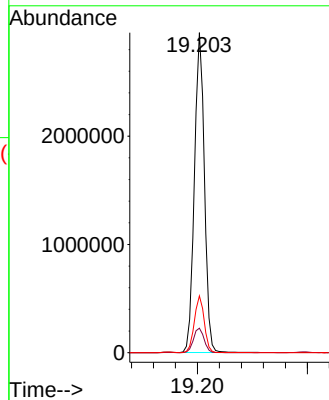
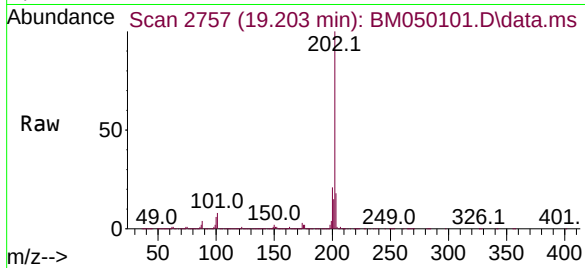




#75
Fluoranthene
Concen: 44.583 ng
RT: 19.203 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

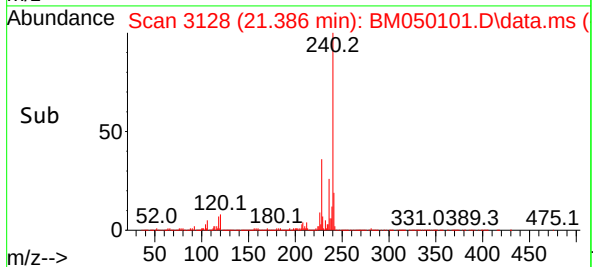
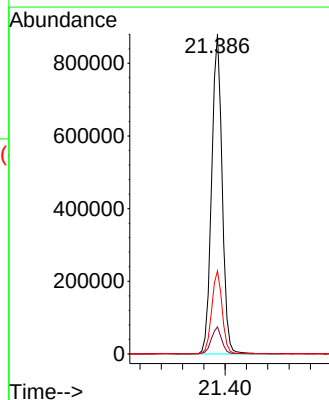
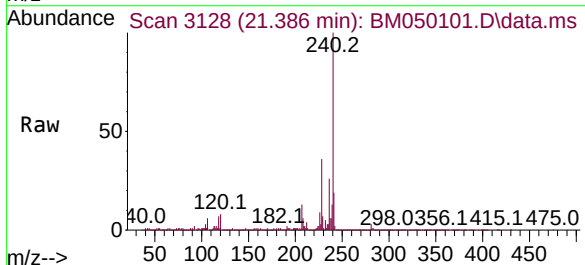
Instrument :
BNA_M
ClientSampleId :
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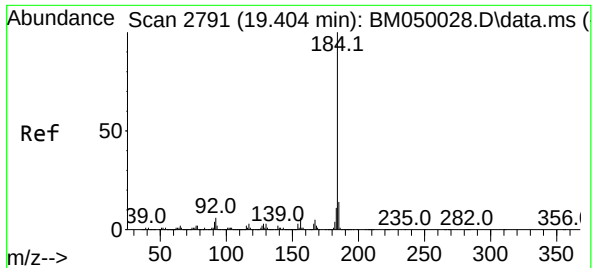
Tgt Ion:202 Resp: 3722333
Ion Ratio Lower Upper
202 100
101 7.7 0.0 28.0
203 17.8 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.386 min Scan# 3128
Delta R.T. -0.011 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

Tgt Ion:240 Resp: 1205722
Ion Ratio Lower Upper
240 100
120 8.4 6.5 9.7
236 26.0 20.9 31.3

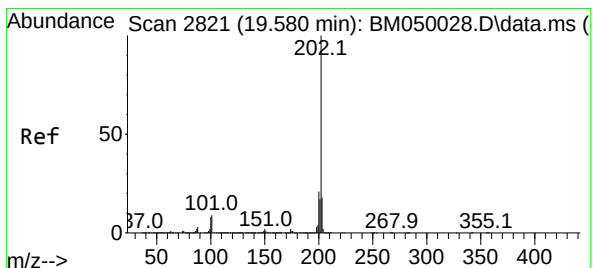
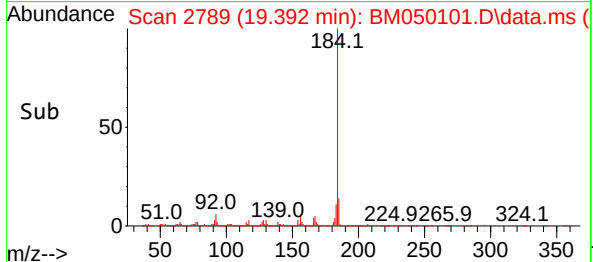
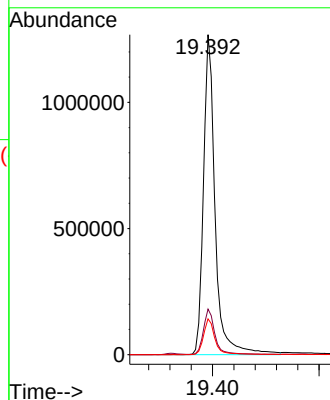
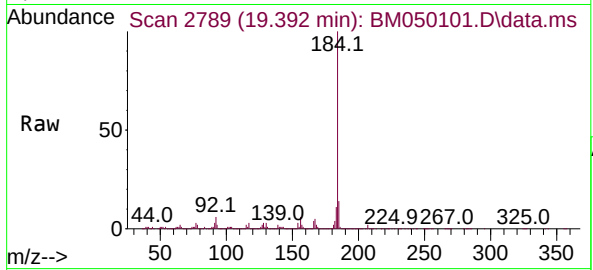




#77
Benzidine
Concen: 44.830 ng
RT: 19.392 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

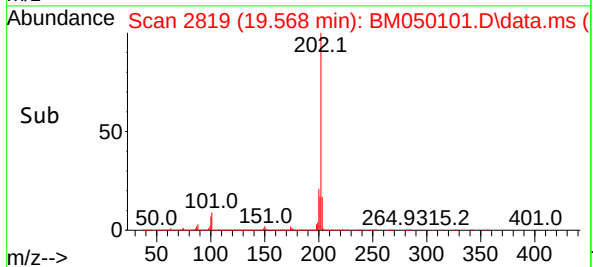
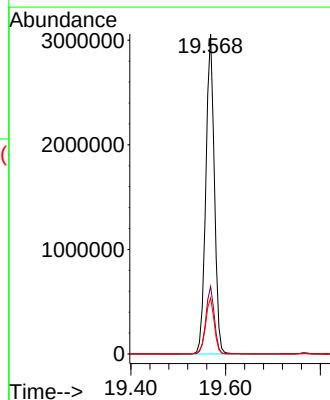
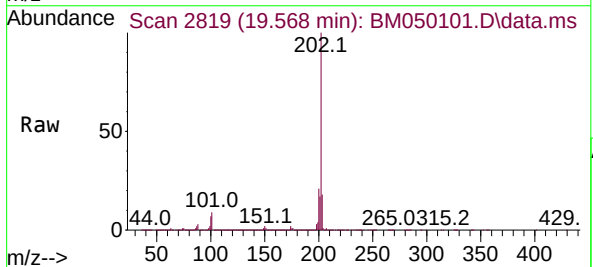
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMS

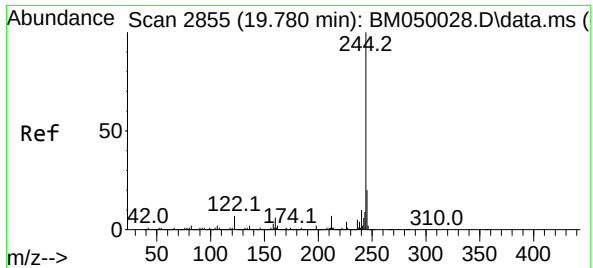
Tgt Ion:184 Resp: 1919998
Ion Ratio Lower Upper
184 100
185 14.3 11.5 17.3
183 11.2 8.9 13.3



#78
Pyrene
Concen: 45.063 ng
RT: 19.568 min Scan# 2819
Delta R.T. -0.012 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

Tgt Ion:202 Resp: 3815439
Ion Ratio Lower Upper
202 100
200 21.1 16.7 25.1
203 17.5 14.1 21.1

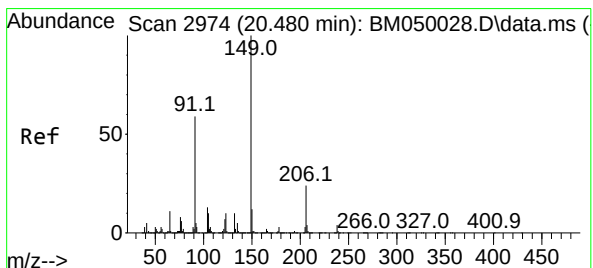
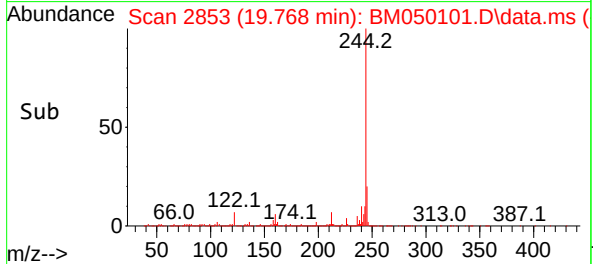
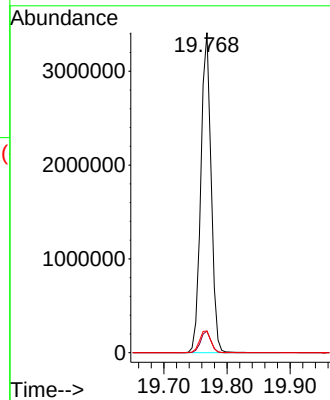
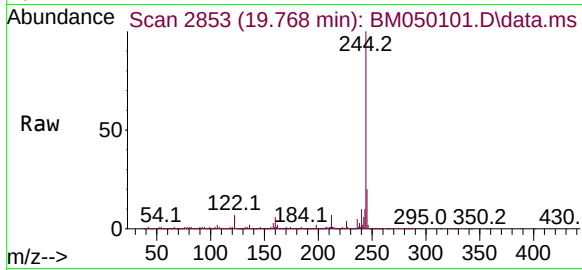




#79
Terphenyl-d14
Concen: 47.154 ng
RT: 19.768 min Scan# 2853
Delta R.T. -0.012 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

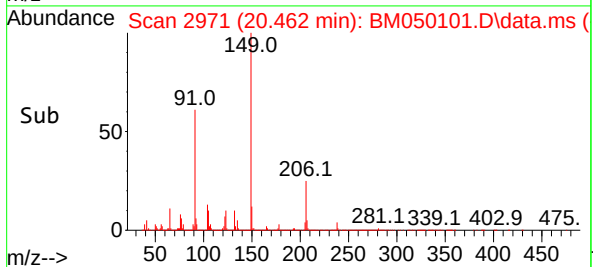
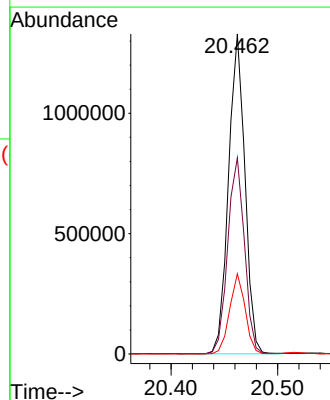
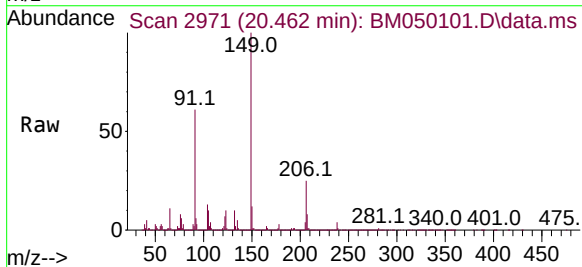
Instrument :
BNA_M
ClientSampleId :
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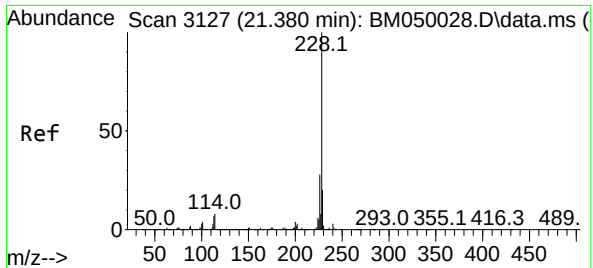
Tgt Ion:244 Resp: 3842218
Ion Ratio Lower Upper
244 100
212 6.7 5.6 8.4
122 6.7 5.6 8.4



#80
Butylbenzylphthalate
Concen: 44.675 ng
RT: 20.462 min Scan# 2971
Delta R.T. -0.018 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

Tgt Ion:149 Resp: 1416730
Ion Ratio Lower Upper
149 100
91 61.3 47.4 71.2
206 25.0 19.4 29.0

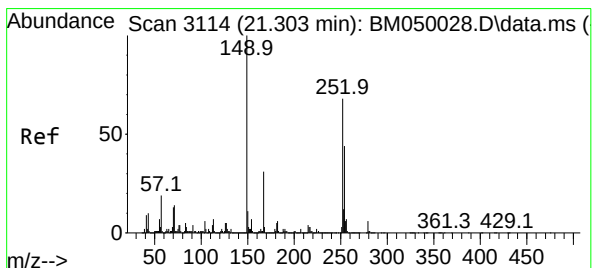
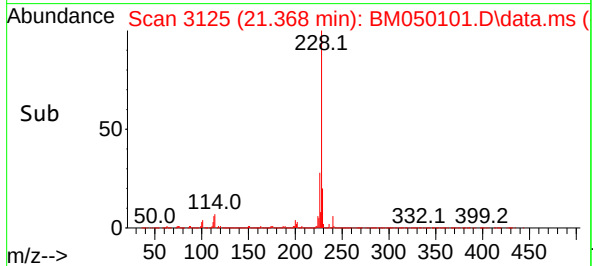
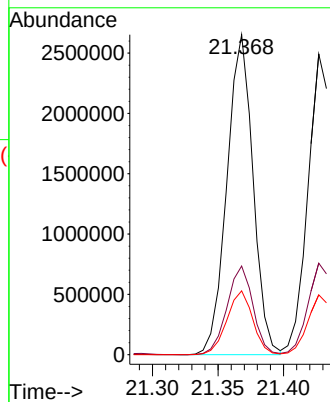
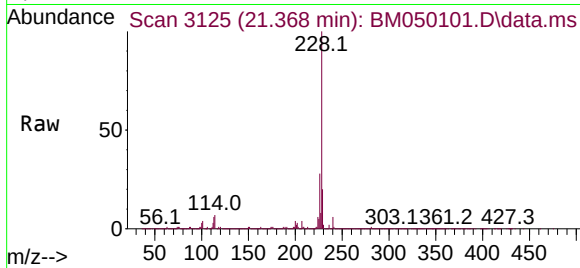




#81
Benzo(a)anthracene
Concen: 44.223 ng
RT: 21.368 min Scan# 3125
Delta R.T. -0.012 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

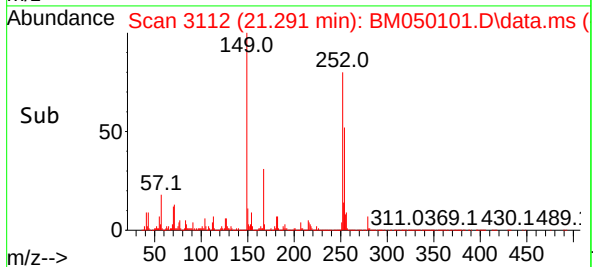
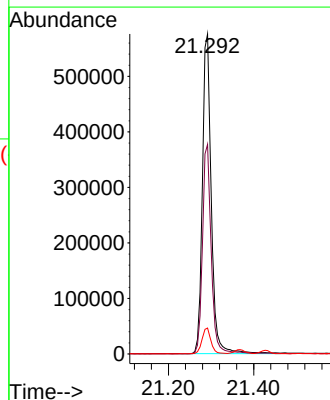
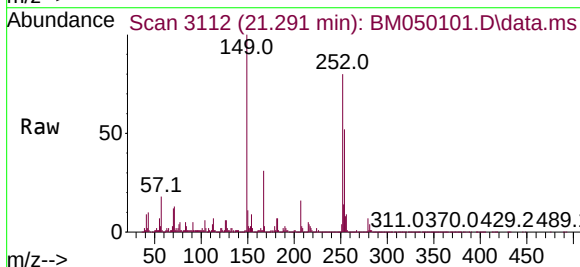
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMS

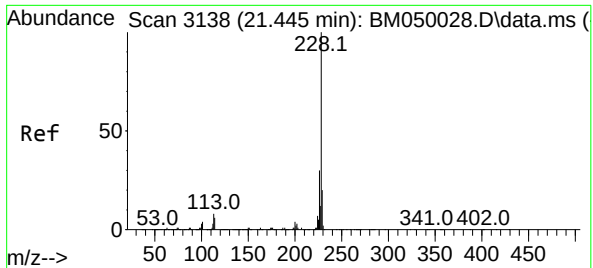
Tgt Ion:228 Resp: 3671788
Ion Ratio Lower Upper
228 100
226 27.7 22.1 33.1
229 19.9 15.7 23.5



#82
3,3'-Dichlorobenzidine
Concen: 26.251 ng
RT: 21.291 min Scan# 3112
Delta R.T. -0.012 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

Tgt Ion:252 Resp: 834376
Ion Ratio Lower Upper
252 100
254 65.5 51.8 77.6
126 8.1 6.0 9.0

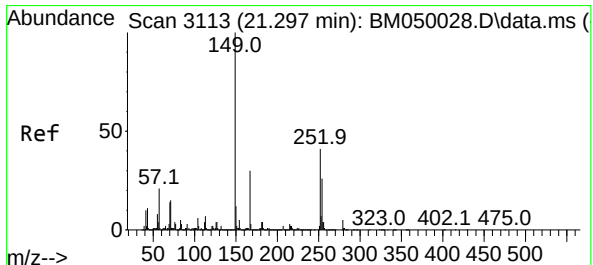
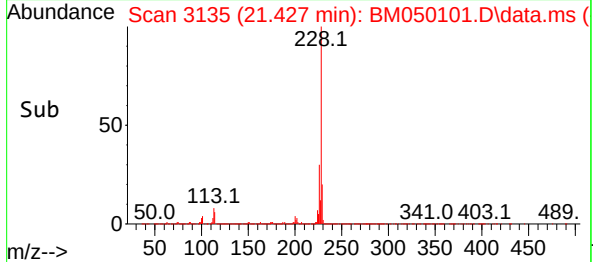
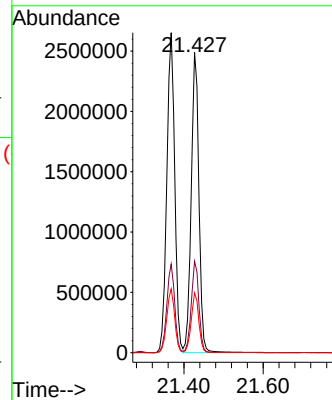
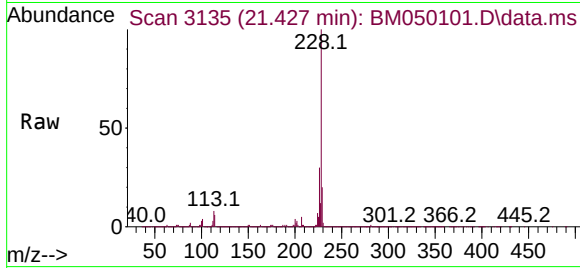




#83
Chrysene
Concen: 43.557 ng
RT: 21.427 min Scan# 3110
Delta R.T. -0.018 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

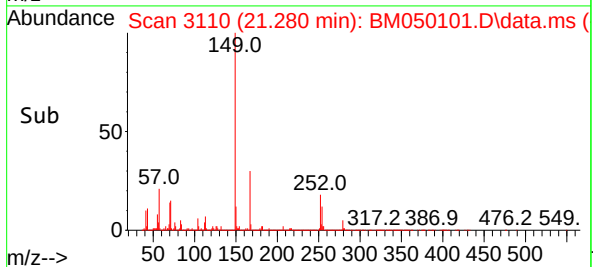
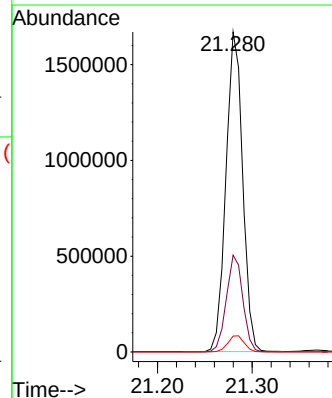
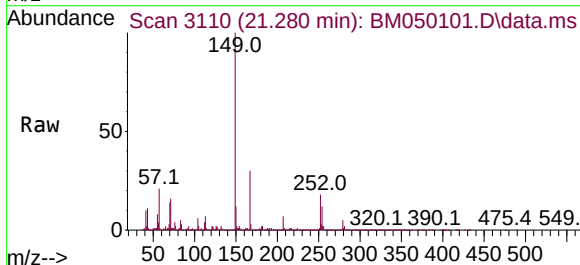
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BNA_M
ClientSampleId :
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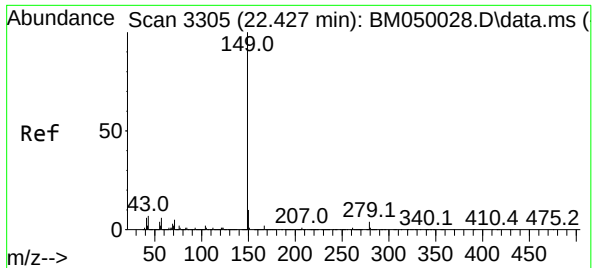
Tgt Ion:228 Resp: 3347188
Ion Ratio Lower Upper
228 100
226 30.4 24.2 36.2
229 19.9 15.7 23.5



#84
Bis(2-ethylhexyl)phthalate
Concen: 43.228 ng
RT: 21.280 min Scan# 3110
Delta R.T. -0.018 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

Tgt Ion:149 Resp: 2047604
Ion Ratio Lower Upper
149 100
167 30.3 24.1 36.1
279 5.0 3.9 5.9

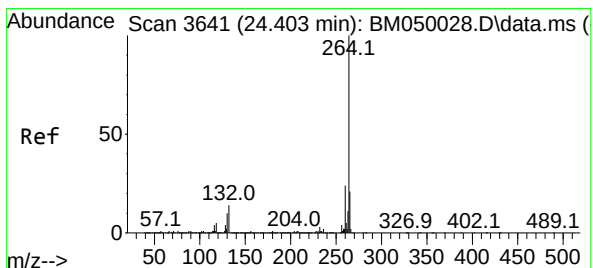
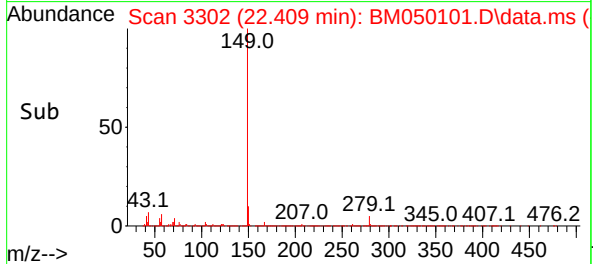
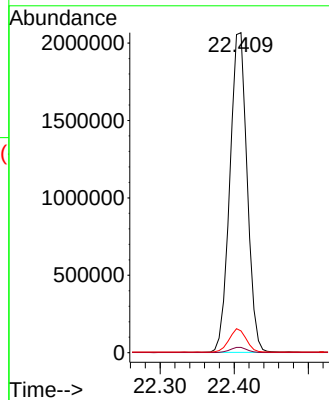
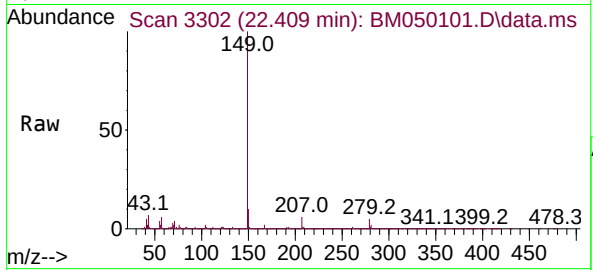




#85
Di-n-octyl phthalate
Concen: 42.694 ng
RT: 22.409 min Scan# 31
Delta R.T. -0.018 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

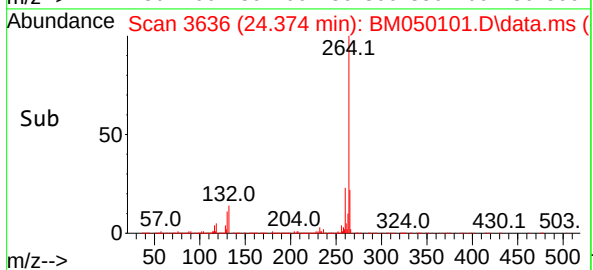
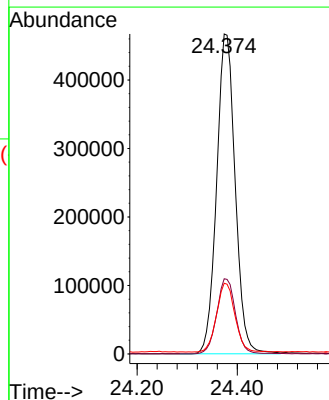
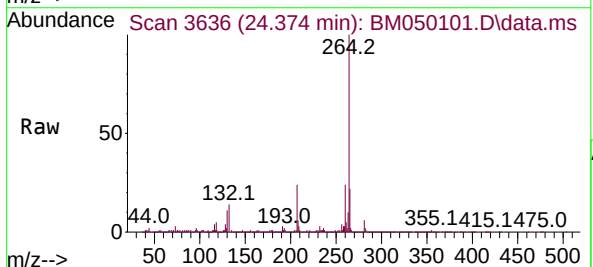
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BNA_M
ClientSampleId :
LARGE-PILE-CMS

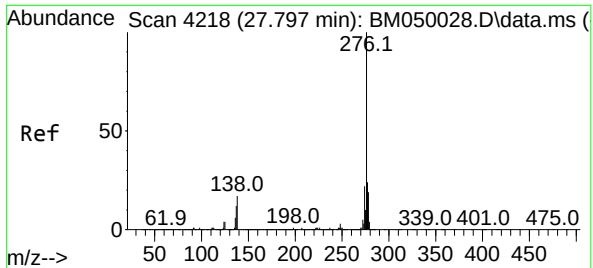
Tgt Ion:149 Resp: 3335016
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 7.2 5.8 8.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.374 min Scan# 3636
Delta R.T. -0.030 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

Tgt Ion:264 Resp: 1198695
Ion Ratio Lower Upper
264 100
260 23.5 18.8 28.2
265 22.1 17.0 25.4

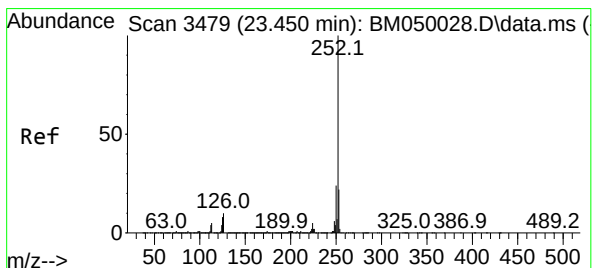
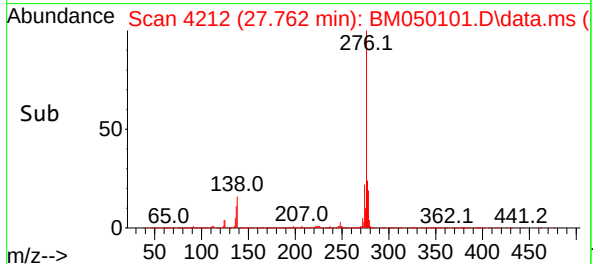
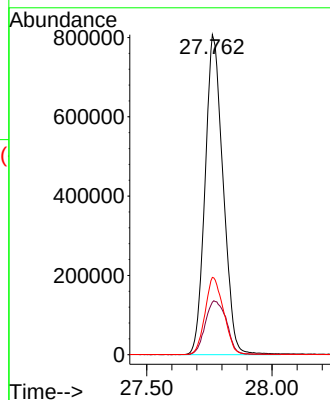
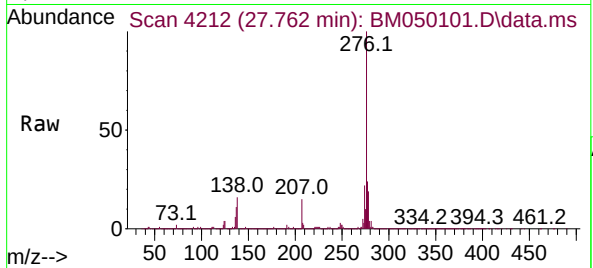




#87
Indeno(1,2,3-cd)pyrene
Concen: 45.013 ng
RT: 27.762 min Scan# 41
Delta R.T. -0.035 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

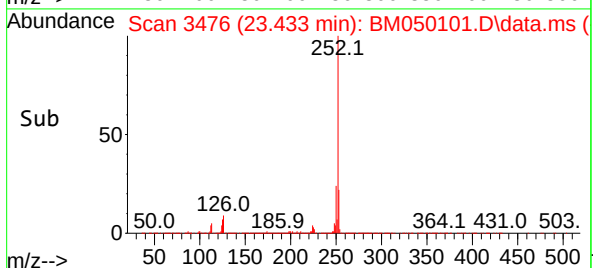
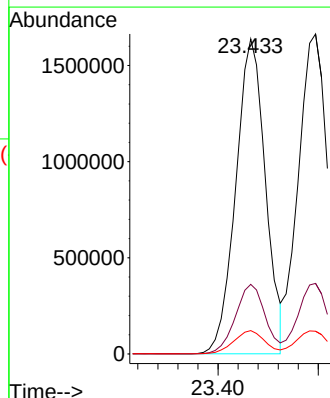
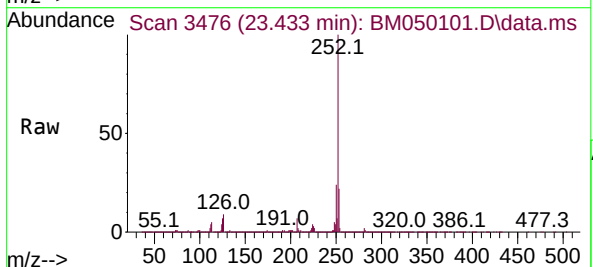
Instrument :
BNA_M
ClientSampleId :
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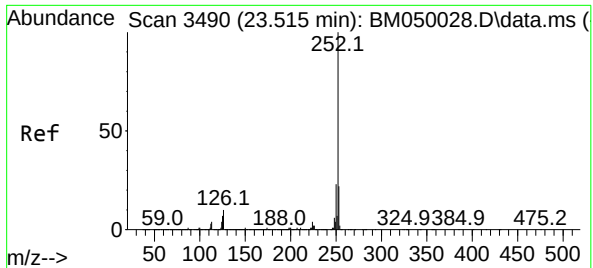
Tgt Ion:276 Resp: 4020492
Ion Ratio Lower Upper
276 100
138 19.9 16.4 24.6
277 24.9 19.8 29.8



#88
Benzo(b)fluoranthene
Concen: 43.199 ng
RT: 23.433 min Scan# 3476
Delta R.T. -0.018 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

Tgt Ion:252 Resp: 3367561
Ion Ratio Lower Upper
252 100
253 22.1 17.7 26.5
125 7.4 6.1 9.1

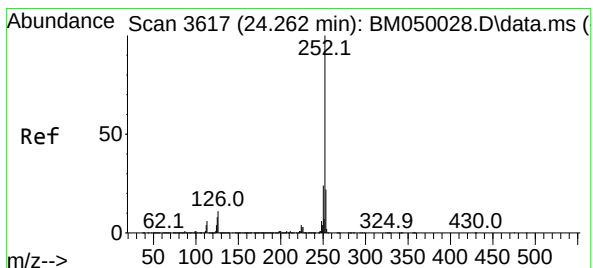
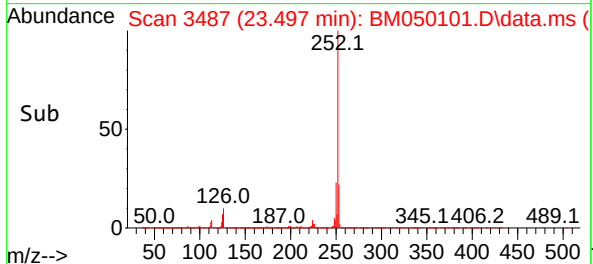
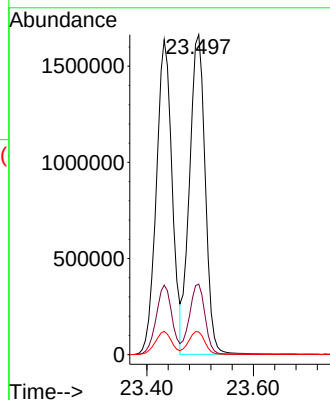
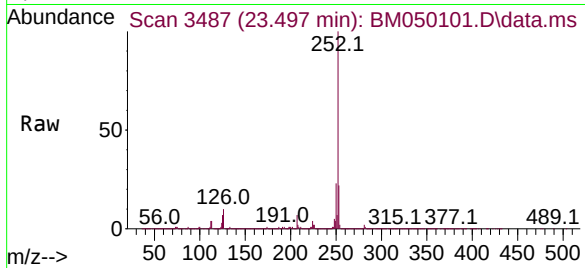




#89
Benzo(k)fluoranthene
Concen: 43.085 ng
RT: 23.497 min Scan# 34
Delta R.T. -0.018 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

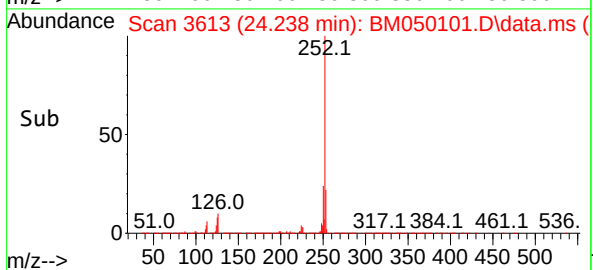
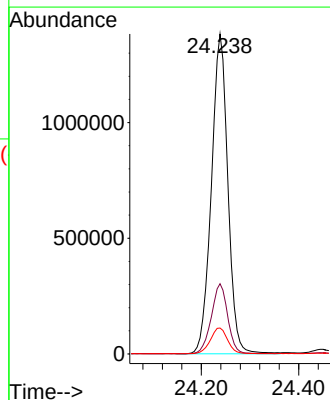
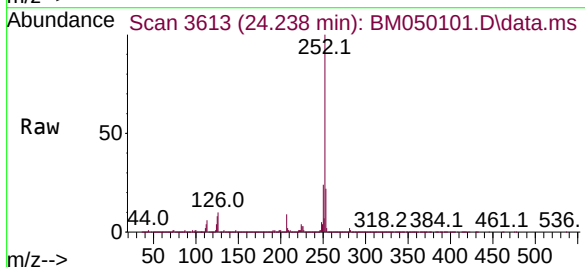
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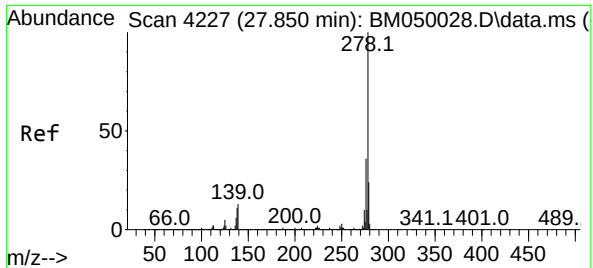
Tgt Ion:252 Resp: 3397394
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.2
125 7.1 5.8 8.8



#90
Benzo(a)pyrene
Concen: 44.370 ng
RT: 24.238 min Scan# 3613
Delta R.T. -0.024 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

Tgt Ion:252 Resp: 3239603
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.0
125 8.1 6.6 9.8

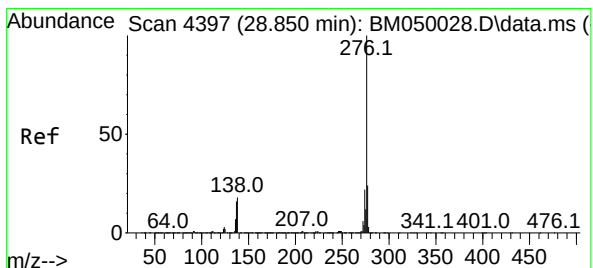
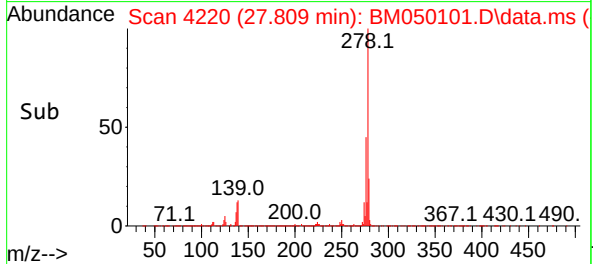
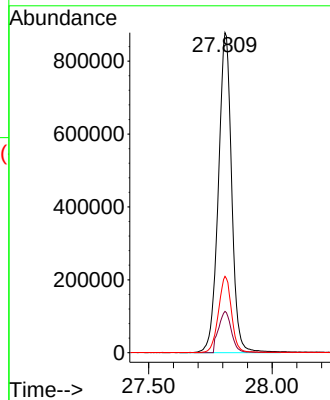
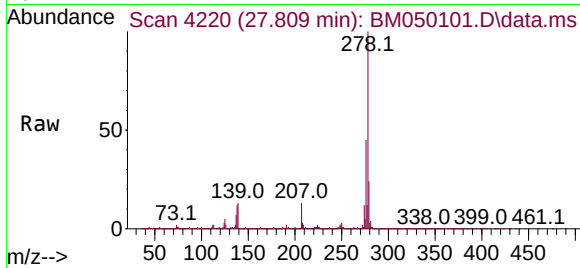




#91
Dibenzo(a,h)anthracene
Concen: 45.096 ng
RT: 27.809 min Scan# 41
Delta R.T. -0.041 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

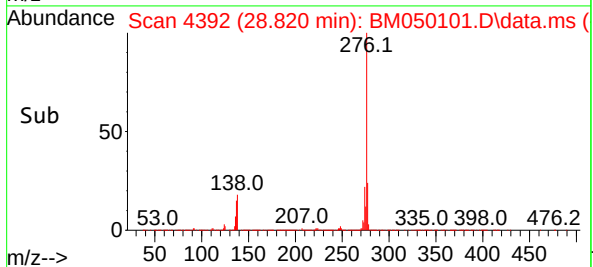
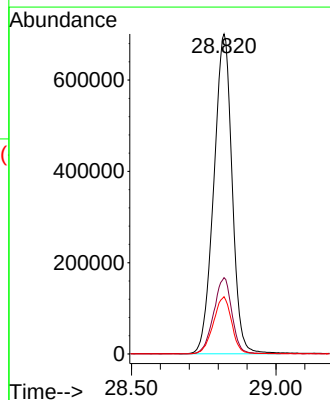
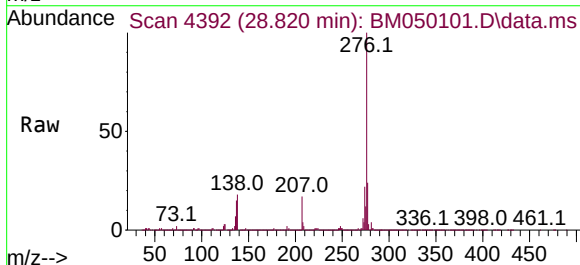
Instrument :
BNA_M
ClientSampleId :
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Tgt Ion:278 Resp: 3283382
Ion Ratio Lower Upper
278 100
139 12.9 10.5 15.7
279 23.9 19.4 29.0



#92
Benzo(g,h,i)perylene
Concen: 44.159 ng
RT: 28.820 min Scan# 4392
Delta R.T. -0.030 min
Lab File: BM050101.D
Acq: 05 May 2025 16:21

Tgt Ion:276 Resp: 3078083
Ion Ratio Lower Upper
276 100
277 23.8 19.1 28.7
138 17.9 14.3 21.5



Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	05/01/25
Project:	Stan Hope	Date Received:	05/01/25
Client Sample ID:	LARGE-PILE-CMSD	SDG No.:	Q1938
Lab Sample ID:	Q1937-05MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.9
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
BM050102.D	1	05/05/25 09:35	05/05/25 17:00	PB167857

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	850		160	350	ug/Kg
108-95-2	Phenol	1600		23.3	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1400		25.6	180	ug/Kg
95-57-8	2-Chlorophenol	1600		25.7	180	ug/Kg
95-48-7	2-Methylphenol	1600		31.5	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400		39.5	180	ug/Kg
98-86-2	Acetophenone	1500		31.0	180	ug/Kg
65794-96-9	3+4-Methylphenols	1600		43.3	350	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1400		49.9	84.2	ug/Kg
67-72-1	Hexachloroethane	1400		18.5	180	ug/Kg
98-95-3	Nitrobenzene	1500		19.3	180	ug/Kg
78-59-1	Isophorone	1400		34.5	180	ug/Kg
88-75-5	2-Nitrophenol	1600		61.2	180	ug/Kg
105-67-9	2,4-Dimethylphenol	1600		68.2	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		32.4	180	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		29.8	180	ug/Kg
91-20-3	Naphthalene	1500		23.9	180	ug/Kg
106-47-8	4-Chloroaniline	660		37.3	180	ug/Kg
87-68-3	Hexachlorobutadiene	1500		26.6	180	ug/Kg
105-60-2	Caprolactam	1500		54.8	350	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1500		30.2	180	ug/Kg
91-57-6	2-Methylnaphthalene	1500		26.9	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3000	E	120	350	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600		20.8	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1600		30.6	180	ug/Kg
92-52-4	1,1-Biphenyl	1500		22.9	180	ug/Kg
91-58-7	2-Chloronaphthalene	1500		23.7	180	ug/Kg
88-74-4	2-Nitroaniline	1600		50.6	180	ug/Kg
131-11-3	Dimethylphthalate	1500		28.5	180	ug/Kg

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	05/01/25
Project:	Stan Hope	Date Received:	05/01/25
Client Sample ID:	LARGE-PILE-CMSD	SDG No.:	Q1938
Lab Sample ID:	Q1937-05MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.9
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
BM050102.D	1	05/05/25 09:35	05/05/25 17:00	PB167857

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1500		30.4	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	1600		35.4	180	ug/Kg
99-09-2	3-Nitroaniline	910		48.4	180	ug/Kg
83-32-9	Acenaphthene	1500		22.4	180	ug/Kg
51-28-5	2,4-Dinitrophenol	2900	E	240	350	ug/Kg
100-02-7	4-Nitrophenol	3100	E	110	350	ug/Kg
132-64-9	Dibenzofuran	1500		23.9	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		52.7	180	ug/Kg
84-66-2	Diethylphthalate	1500		29.8	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		28.1	180	ug/Kg
86-73-7	Fluorene	1500		26.6	180	ug/Kg
100-01-6	4-Nitroaniline	1600		67.6	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1500		110	350	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1500		34.6	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		29.3	180	ug/Kg
118-74-1	Hexachlorobenzene	1600		26.6	180	ug/Kg
1912-24-9	Atrazine	1500		35.8	180	ug/Kg
87-86-5	Pentachlorophenol	3600	E	54.0	350	ug/Kg
85-01-8	Phenanthrene	1500		22.0	180	ug/Kg
120-12-7	Anthracene	1500		35.0	180	ug/Kg
86-74-8	Carbazole	1600		32.8	180	ug/Kg
84-74-2	Di-n-butylphthalate	1500		50.4	180	ug/Kg
206-44-0	Fluoranthene	1600		31.6	180	ug/Kg
129-00-0	Pyrene	1600		37.9	180	ug/Kg
85-68-7	Butylbenzylphthalate	1600		75.1	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	900		38.6	350	ug/Kg
56-55-3	Benzo(a)anthracene	1500		24.2	180	ug/Kg
218-01-9	Chrysene	1500		20.9	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1500		62.3	180	ug/Kg
117-84-0	Di-n-octyl phthalate	1500		91.3	350	ug/Kg
205-99-2	Benzo(b)fluoranthene	1500		20.0	180	ug/Kg

Report of Analysis

Client:	Saxton Falls Sand and Gravel Co. Inc.	Date Collected:	05/01/25
Project:	Stan Hope	Date Received:	05/01/25
Client Sample ID:	LARGE-PILE-CMSD	SDG No.:	Q1938
Lab Sample ID:	Q1937-05MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	94.9
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
BM050102.D	1	05/05/25 09:35	05/05/25 17:00	PB167857

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1500		23.6	180	ug/Kg
50-32-8	Benzo(a)pyrene	1600		31.0	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		30.6	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		28.8	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1600		27.0	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		26.9	180	ug/Kg
123-91-1	1,4-Dioxane	1300		47.6	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1600		28.8	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	74.8		30 (18) - 130 (112)	50%	SPK: 150
13127-88-3	Phenol-d6	76.2		30 (15) - 130 (107)	51%	SPK: 150
4165-60-0	Nitrobenzene-d5	44.0		30 (18) - 130 (107)	44%	SPK: 100
321-60-8	2-Fluorobiphenyl	42.7		30 (20) - 130 (109)	43%	SPK: 100
118-79-6	2,4,6-Tribromophenol	75.1		30 (10) - 130 (116)	50%	SPK: 150
1718-51-0	Terphenyl-d14	47.0		30 (10) - 130 (105)	47%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	295000	7.745			
1146-65-2	Naphthalene-d8	1050000	10.539			
15067-26-2	Acenaphthene-d10	678000	14.392			
1517-22-2	Phenanthrene-d10	1310000	17.139			
1719-03-5	Chrysene-d12	1270000	21.386			
1520-96-3	Perylene-d12	1240000	24.38			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050525\
 Data File : BM050102.D
 Acq On : 05 May 2025 17:00
 Operator : RC/JU
 Sample : Q1937-05MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LARGE-PILE-CMSD

Quant Time: May 05 17:35:33 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.745	152	294539	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	1047794	20.000	ng	-0.02
39) Acenaphthene-d10	14.392	164	677703	20.000	ng	-0.02
64) Phenanthrene-d10	17.139	188	1314656	20.000	ng	-0.02
76) Chrysene-d12	21.386	240	1271557	20.000	ng	-0.01
86) Perylene-d12	24.380	264	1236921	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.345	112	1258150	74.799	ng	-0.01
7) Phenol-d6	6.934	99	1611640	76.232	ng	-0.02
23) Nitrobenzene-d5	8.904	82	935080	43.976	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	752609	75.105	ng	-0.01
45) 2-Fluorobiphenyl	13.010	172	2446445	42.705	ng	-0.02
79) Terphenyl-d14	19.768	244	4042956	47.049	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.234	88	258001	35.773	ng	100
3) Pyridine	3.634	79	711239	38.382	ng	97
4) n-Nitrosodimethylamine	3.546	42	296997	40.865	ng	98
6) Aniline	7.075	93	697712	26.136	ng	99
8) 2-Chlorophenol	7.316	128	805620	44.297	ng	98
9) Benzaldehyde	6.892	77	341030	24.105	ng	98
10) Phenol	6.963	94	965281	45.102	ng	97
11) bis(2-Chloroethyl)ether	7.169	93	735486	41.155	ng	99
12) 1,3-Dichlorobenzene	7.634	146	912580	41.540	ng	99
13) 1,4-Dichlorobenzene	7.781	146	915309	41.472	ng	100
14) 1,2-Dichlorobenzene	8.098	146	879324	41.246	ng	99
15) Benzyl Alcohol	7.992	79	638864	43.575	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.269	45	881946	40.599	ng	99
17) 2-Methylphenol	8.204	107	625568	44.369	ng	98
18) Hexachloroethane	8.822	117	317394	40.455	ng	99
19) n-Nitroso-di-n-propyla...	8.557	70	546426	40.300	ng	99
20) 3+4-Methylphenols	8.534	107	845283	44.395	ng	95
22) Acetophenone	8.569	105	1094380	42.011	ng	# 98
24) Nitrobenzene	8.945	77	782189	42.543	ng	99
25) Isophorone	9.475	82	1496619	41.291	ng	99
26) 2-Nitrophenol	9.657	139	431575	45.947	ng	99
27) 2,4-Dimethylphenol	9.728	122	704725	45.242	ng	99
28) bis(2-Chloroethoxy)met...	9.951	93	945958	42.225	ng	100
29) 2,4-Dichlorophenol	10.210	162	803843	46.064	ng	99
30) 1,2,4-Trichlorobenzene	10.404	180	909008	42.755	ng	100
31) Naphthalene	10.586	128	2245700	42.321	ng	100
32) Benzoic acid	9.916	122	485833	48.767	ng	97
33) 4-Chloroaniline	10.710	127	411943	18.940	ng	99
34) Hexachlorobutadiene	10.869	225	576823	42.741	ng	100
35) Caprolactam	11.510	113	220808	43.397	ng	98
36) 4-Chloro-3-methylphenol	11.851	107	707311	43.872	ng	99
37) 2-Methylnaphthalene	12.204	142	1492444	41.951	ng	100
38) 1-Methylnaphthalene	12.427	142	1561032	41.462	ng	99
40) 1,2,4,5-Tetrachloroben...	12.580	216	1041214	44.382	ng	99
41) Hexachlorocyclopentadiene	12.557	237	1211458	84.498	ng	99
43) 2,4,6-Trichlorophenol	12.833	196	688174	46.248	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050525\
 Data File : BM050102.D
 Acq On : 05 May 2025 17:00
 Operator : RC/JU
 Sample : Q1937-05MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LARGE-PILE-CMSD

Quant Time: May 05 17:35:33 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration

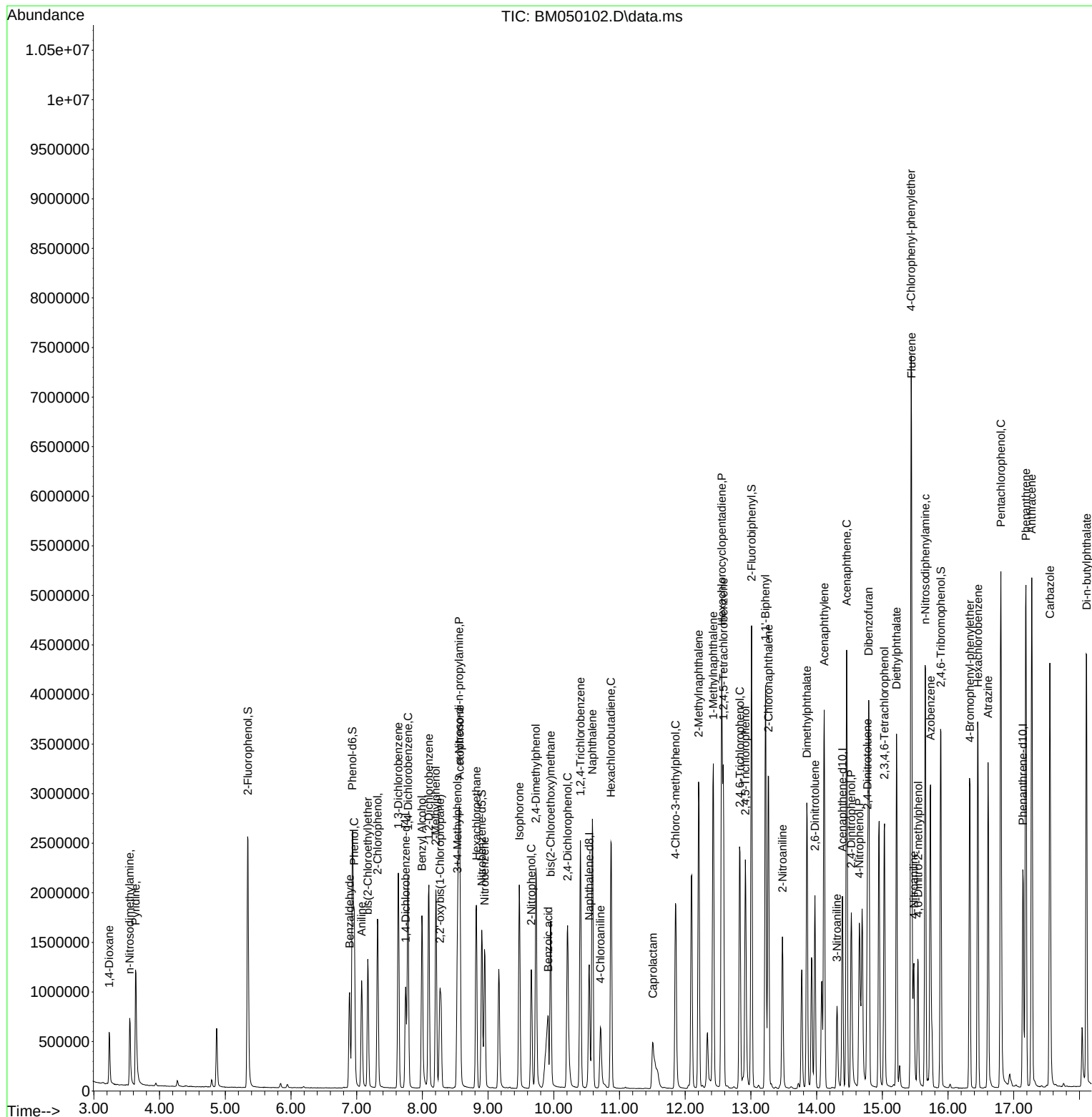
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.916	196	735097	45.812	ng	97
46) 1,1'-Biphenyl	13.221	154	2171525	43.105	ng	99
47) 2-Chloronaphthalene	13.268	162	1733055	43.436	ng	99
48) 2-Nitroaniline	13.480	65	426754	45.573	ng	100
49) Acenaphthylene	14.115	152	2706657	43.026	ng	100
50) Dimethylphthalate	13.851	163	2096886	42.338	ng	99
51) 2,6-Dinitrotoluene	13.974	165	453604	44.235	ng	98
52) Acenaphthene	14.457	154	1550487	42.580	ng	99
53) 3-Nitroaniline	14.310	138	253994	25.944	ng	99
54) 2,4-Dinitrophenol	14.527	184	548918	83.383	ng	99
55) Dibenzofuran	14.792	168	2564349	42.327	ng	99
56) 4-Nitrophenol	14.651	139	716138	89.353	ng	98
57) 2,4-Dinitrotoluene	14.774	165	638601	45.069	ng	96
58) Fluorene	15.445	166	2115905	42.668	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.033	232	625034	45.001	ng	97
60) Diethylphthalate	15.215	149	1939860	41.567	ng	99
61) 4-Chlorophenyl-phenyle...	15.439	204	1169405	42.934	ng	98
62) 4-Nitroaniline	15.480	138	418189	44.274	ng	99
63) Azobenzene	15.733	77	1786138	45.668	ng	96
65) 4,6-Dinitro-2-methylph...	15.545	198	358709	43.589	ng	96
66) n-Nitrosodiphenylamine	15.657	169	1772627	43.910	ng	99
67) 4-Bromophenyl-phenylether	16.333	248	700350	44.053	ng	96
68) Hexachlorobenzene	16.457	284	812209	44.321	ng	95
69) Atrazine	16.609	200	643224	44.172	ng	100
70) Pentachlorophenol	16.804	266	1057643	102.532	ng	99
71) Phenanthrene	17.186	178	3210759	43.302	ng	100
72) Anthracene	17.274	178	3263741	43.495	ng	100
73) Carbazole	17.551	167	2903966	44.599	ng	100
74) Di-n-butylphthalate	18.109	149	3348299	43.180	ng	99
75) Fluoranthene	19.203	202	3918338	45.010	ng	99
77) Benzidine	19.392	184	2093846	46.358	ng	100
78) Pyrene	19.568	202	3997921	44.773	ng	100
80) Butylbenzylphthalate	20.462	149	1481929	44.311	ng	98
81) Benzo(a)anthracene	21.368	228	3830639	43.747	ng	99
82) 3,3'-Dichlorobenzidine	21.291	252	856060	25.539	ng	100
83) Chrysene	21.427	228	3498440	43.169	ng	99
84) Bis(2-ethylhexyl)phtha...	21.280	149	2129576	42.631	ng	100
85) Di-n-octyl phthalate	22.409	149	3500630	42.493	ng	100
87) Indeno(1,2,3-cd)pyrene	27.768	276	4193498	45.499	ng	99
88) Benzo(b)fluoranthene	23.433	252	3534464	43.939	ng	100
89) Benzo(k)fluoranthene	23.497	252	3550274	43.632	ng	99
90) Benzo(a)pyrene	24.238	252	3356901	44.556	ng	99
91) Dibenzo(a,h)anthracene	27.809	278	3426344	45.605	ng	99
92) Benzo(g,h,i)perylene	28.815	276	3212498	44.663	ng	100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050525\
Data File : BM050102.D
Acq On : 05 May 2025 17:00
Operator : RC/JU
Sample : Q1937-05MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMSD

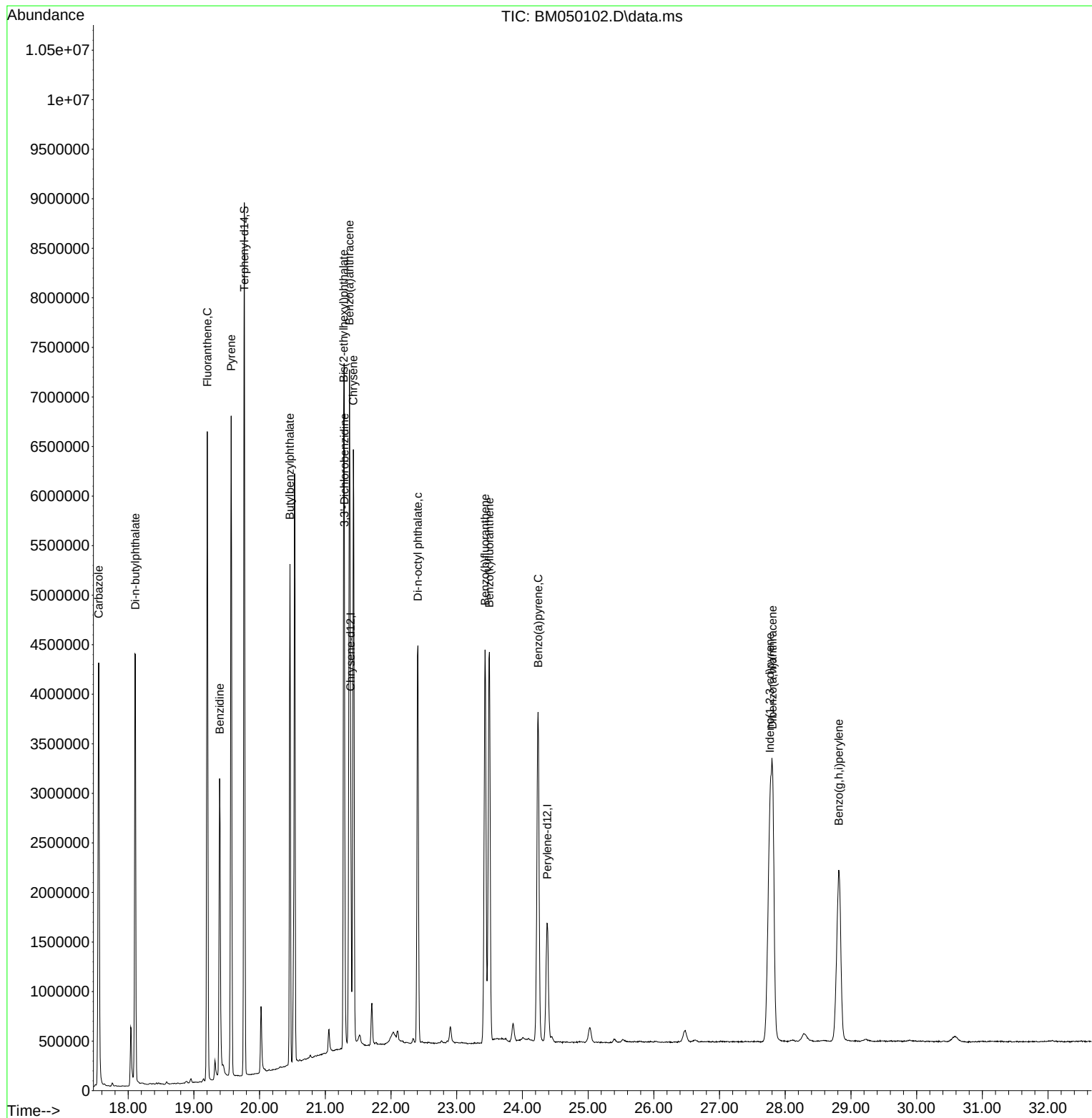
Quant Time: May 05 17:35:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

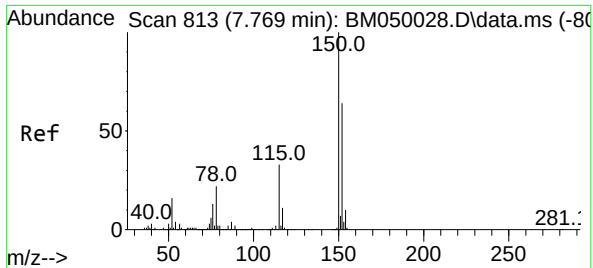


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Data File : BM050102.D
Acq On : 05 May 2025 17:00
Operator : RC/JU
Sample : Q1937-05MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMSD

Quant Time: May 05 17:35:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

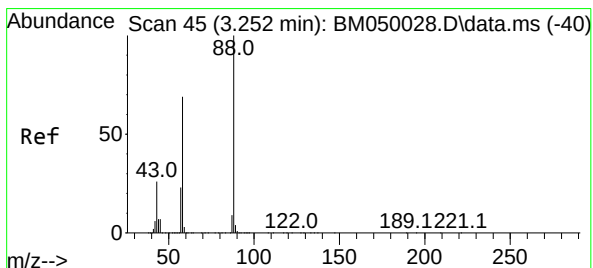
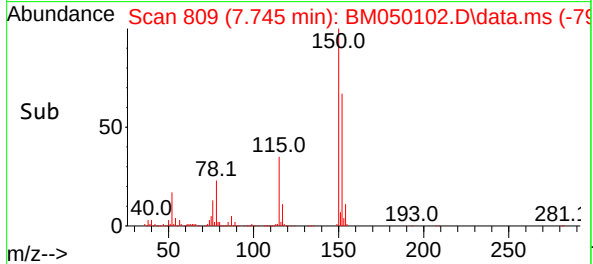
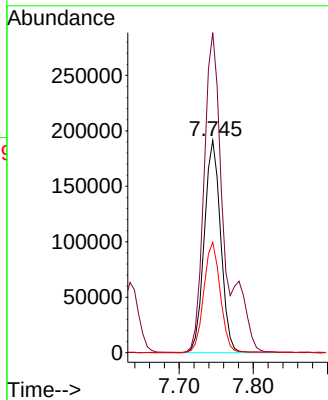
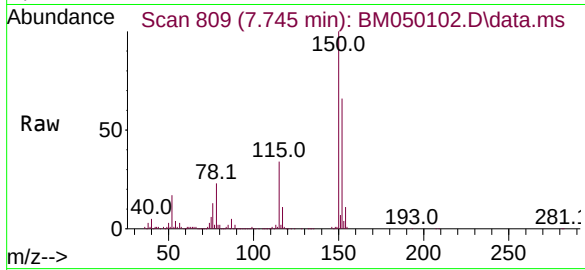




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.745 min Scan# 80
Delta R.T. -0.024 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

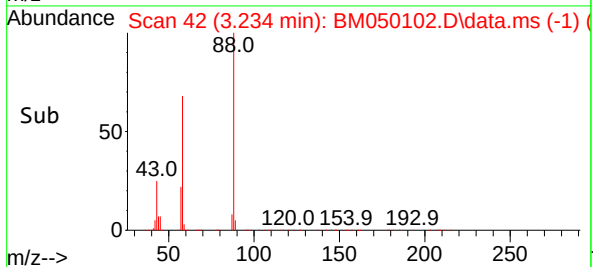
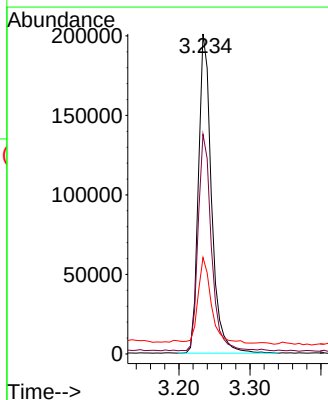
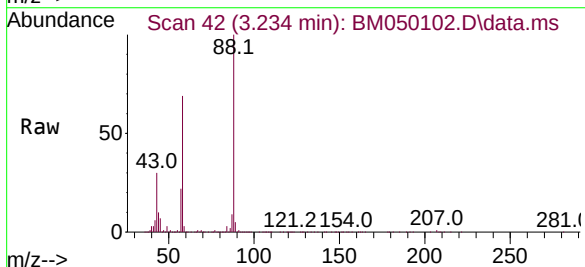
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMSD

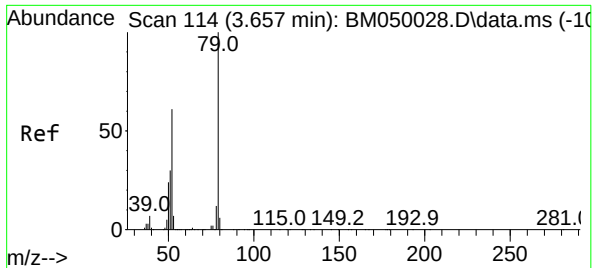
Tgt Ion:152 Resp: 294539
Ion Ratio Lower Upper
152 100
150 150.7 124.1 186.1
115 51.9 41.2 61.8



#2
1,4-Dioxane
Concen: 35.773 ng
RT: 3.234 min Scan# 42
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion: 88 Resp: 258001
Ion Ratio Lower Upper
88 100
58 68.9 55.1 82.7
43 26.8 20.9 31.3

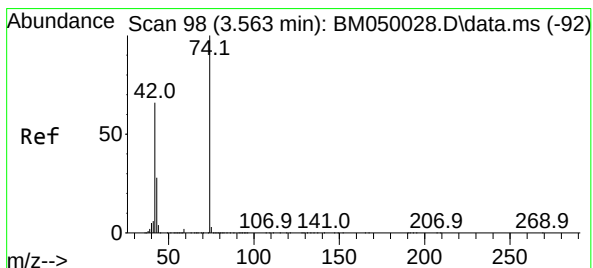
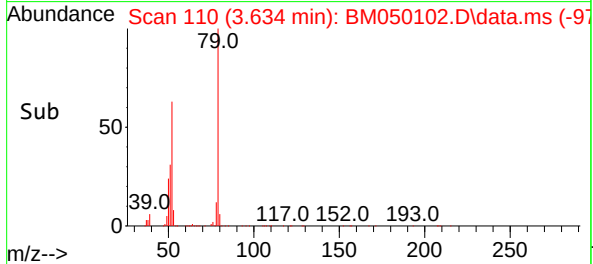
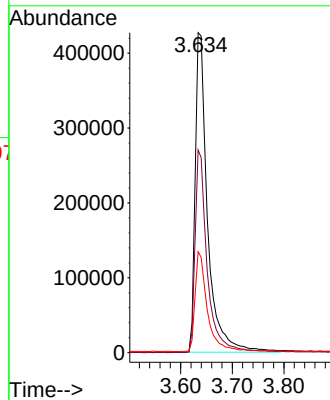
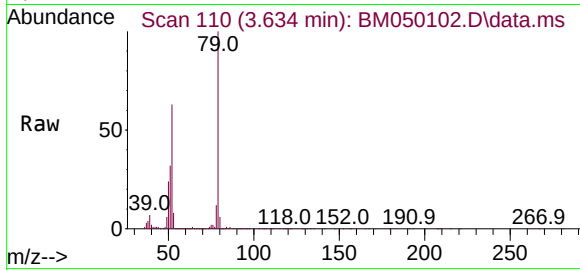




#3
Pyridine
Concen: 38.382 ng
RT: 3.634 min Scan# 114
Delta R.T. -0.024 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

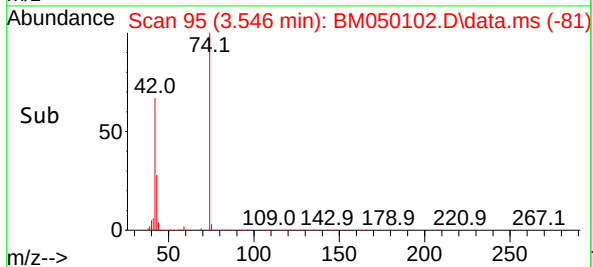
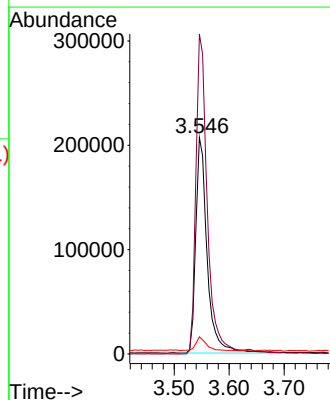
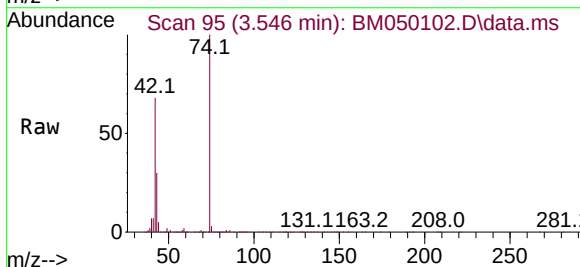
Instrument :
BNA_M
ClientSampleId :
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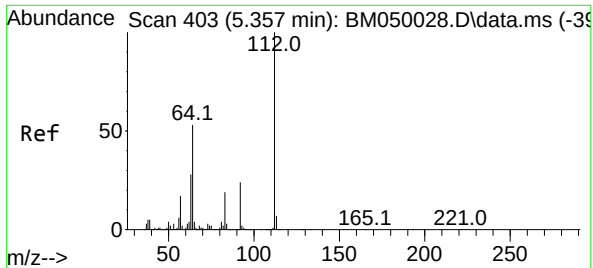
Tgt Ion: 79 Resp: 711239
Ion Ratio Lower Upper
79 100
52 63.3 48.6 72.8
51 31.6 24.6 37.0



#4
n-Nitrosodimethylamine
Concen: 40.865 ng
RT: 3.546 min Scan# 95
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion: 42 Resp: 296997
Ion Ratio Lower Upper
42 100
74 147.8 120.2 180.2
44 7.9 6.2 9.2

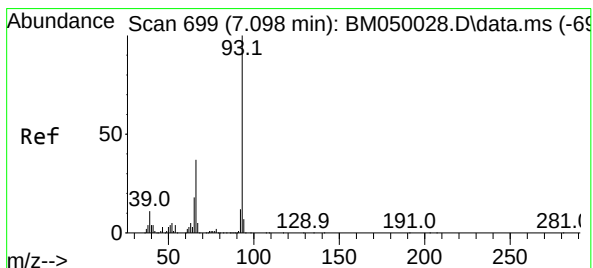
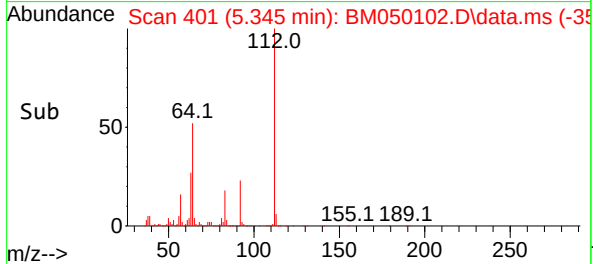
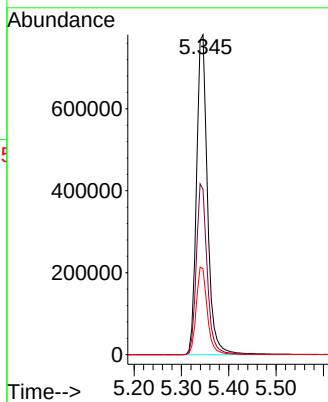
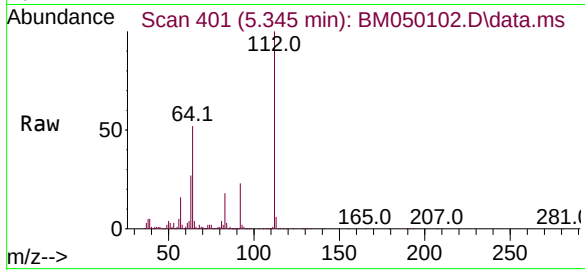




#5
2-Fluorophenol
Concen: 74.799 ng
RT: 5.345 min Scan# 403
Delta R.T. -0.012 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

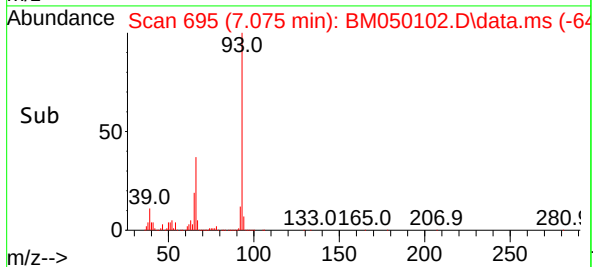
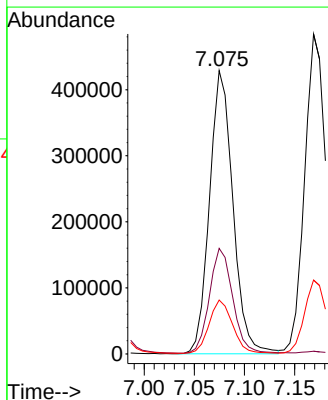
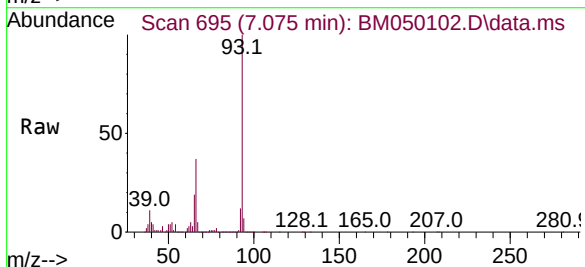
Instrument :
BNA_M
ClientSampleId :
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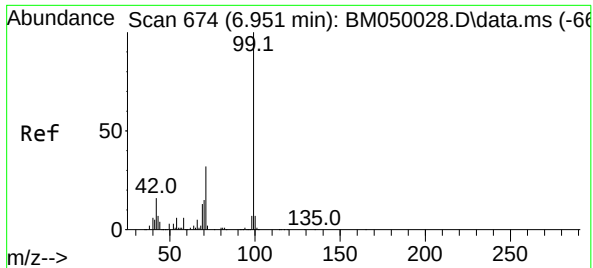
Tgt Ion:112 Resp: 1258150
Ion Ratio Lower Upper
112 100
64 51.6 42.6 64.0
63 26.9 22.2 33.4



#6
Aniline
Concen: 26.136 ng
RT: 7.075 min Scan# 695
Delta R.T. -0.024 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion: 93 Resp: 697712
Ion Ratio Lower Upper
93 100
66 37.3 29.9 44.9
65 19.0 14.5 21.7

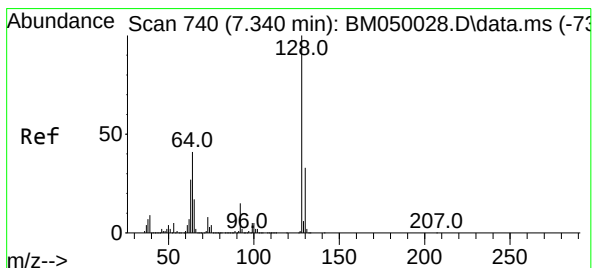
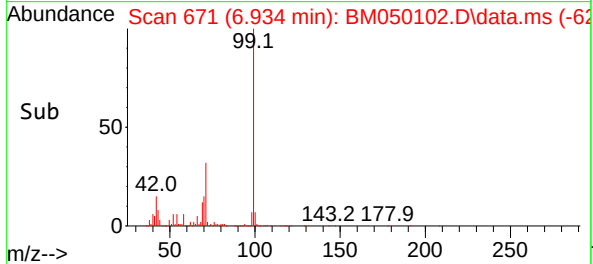
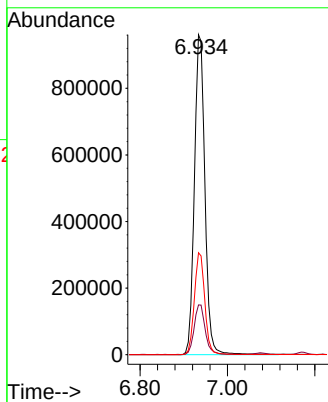
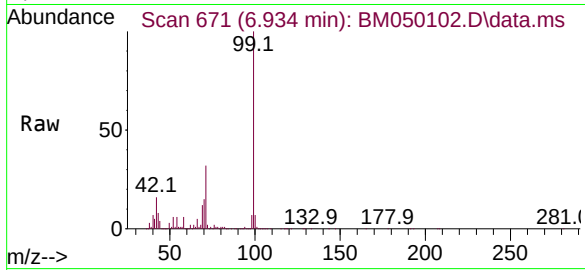




#7
Phenol-d6
Concen: 76.232 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

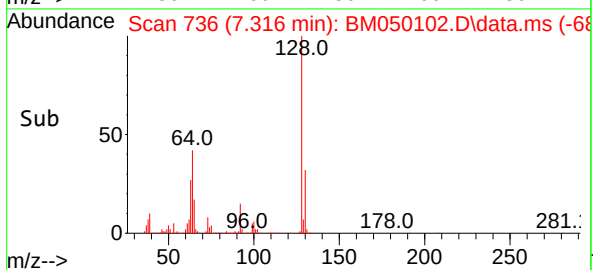
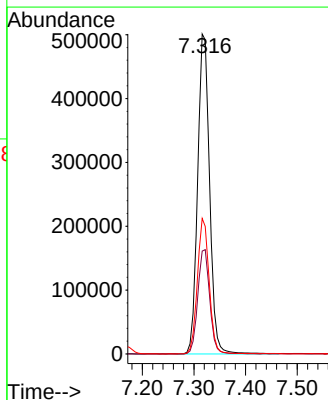
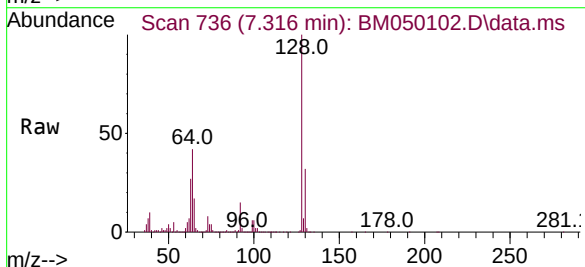
Instrument :
BNA_M
ClientSampleId :
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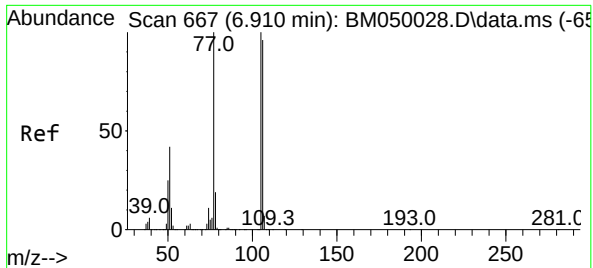
Tgt Ion: 99 Resp: 1611640
Ion Ratio Lower Upper
99 100
42 15.5 13.0 19.4
71 31.8 25.6 38.4



#8
2-Chlorophenol
Concen: 44.297 ng
RT: 7.316 min Scan# 736
Delta R.T. -0.024 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion: 128 Resp: 805620
Ion Ratio Lower Upper
128 100
130 32.2 12.8 52.8
64 42.3 21.2 61.2

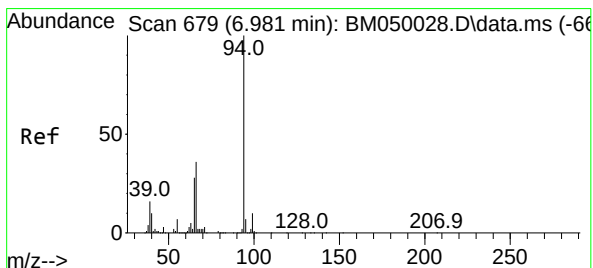
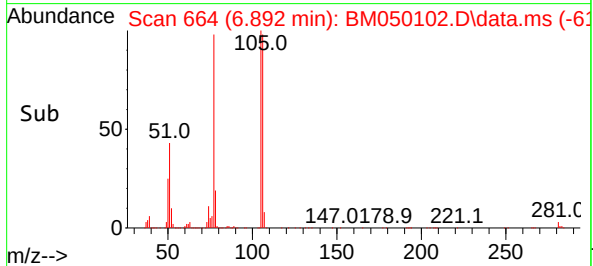
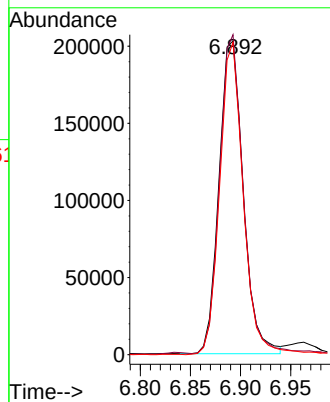
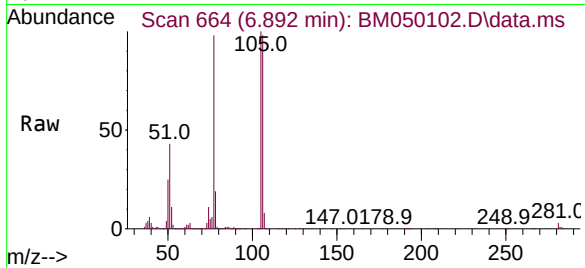




#9
Benzaldehyde
Concen: 24.105 ng
RT: 6.892 min Scan# 60
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

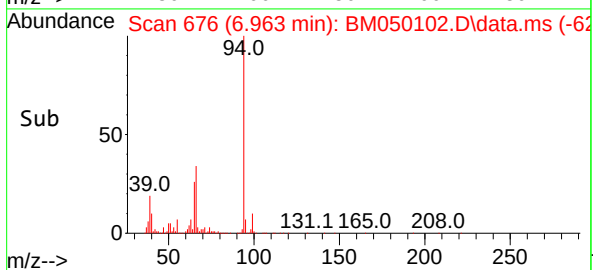
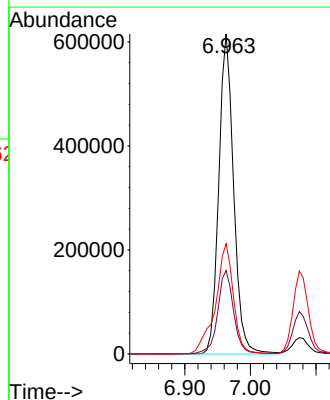
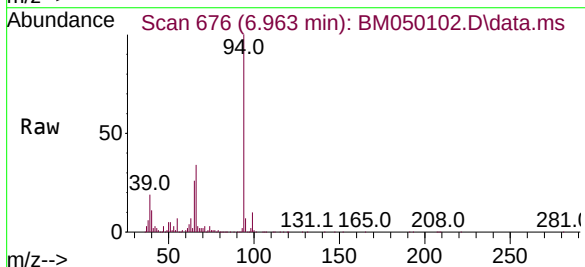
Instrument :
BNA_M
ClientSampleId :
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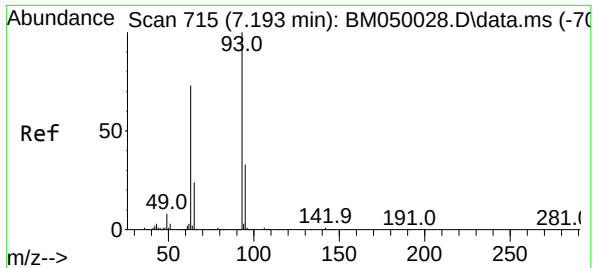
Tgt Ion: 77 Resp: 341030
Ion Ratio Lower Upper
77 100
105 102.0 80.5 120.5
106 99.6 76.1 116.1



#10
Phenol
Concen: 45.102 ng
RT: 6.963 min Scan# 676
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion: 94 Resp: 965281
Ion Ratio Lower Upper
94 100
65 26.1 7.6 47.6
66 34.5 15.8 55.8

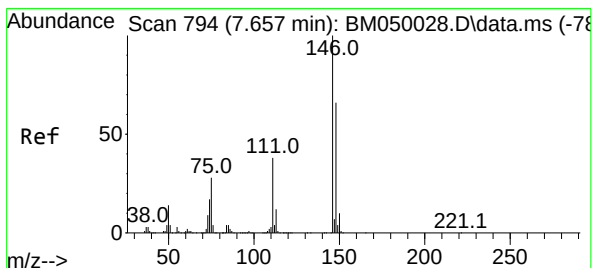
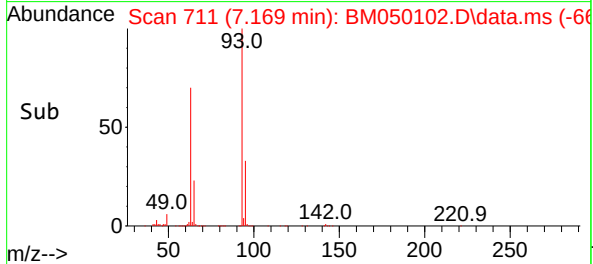
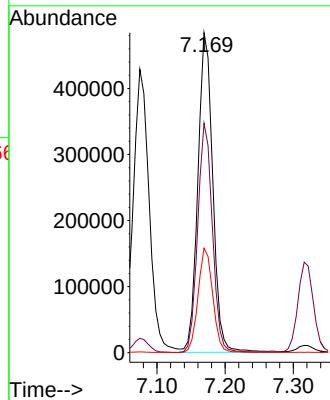
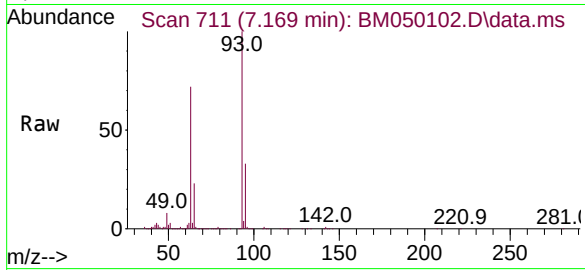




#11
bis(2-Chloroethyl)ether
Concen: 41.155 ng
RT: 7.169 min Scan# 715
Delta R.T. -0.024 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

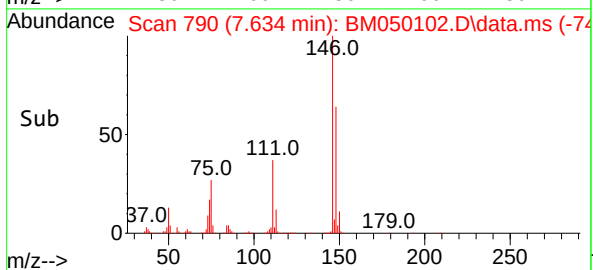
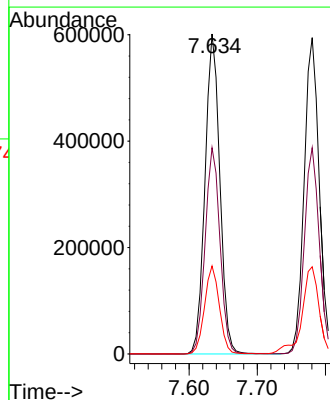
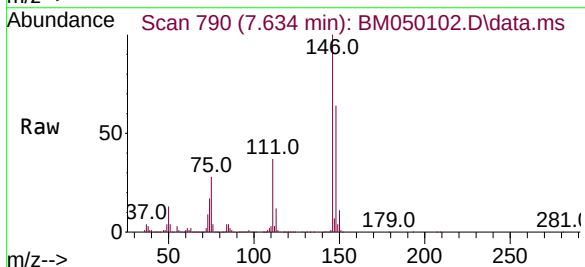
Instrument :
BNA_M
ClientSampleId :
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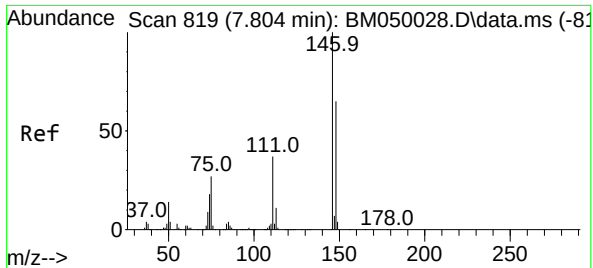
Tgt Ion: 93 Resp: 735486
Ion Ratio Lower Upper
93 100
63 71.7 52.3 92.3
95 32.7 12.8 52.8



#12
1,3-Dichlorobenzene
Concen: 41.540 ng
RT: 7.634 min Scan# 790
Delta R.T. -0.024 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion: 146 Resp: 912580
Ion Ratio Lower Upper
146 100
148 64.5 52.5 78.7
75 27.5 22.6 34.0

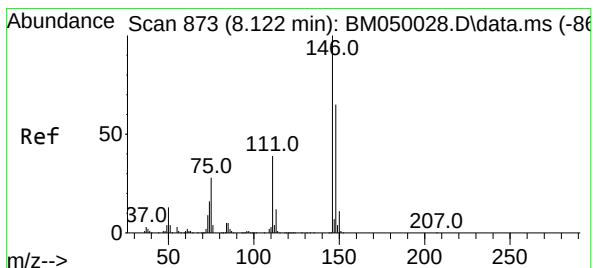
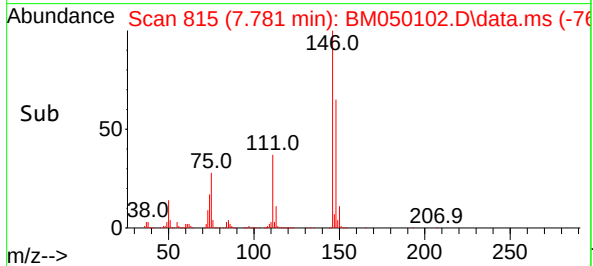
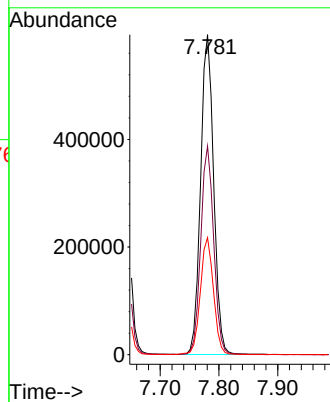
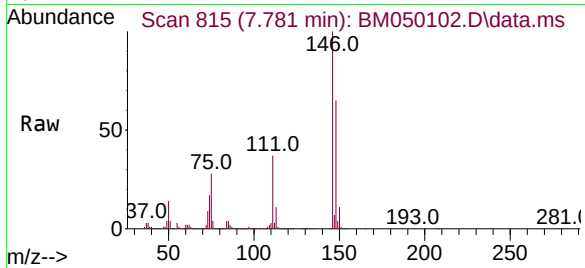




#13
1,4-Dichlorobenzene
Concen: 41.472 ng
RT: 7.781 min Scan# 815
Delta R.T. -0.024 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

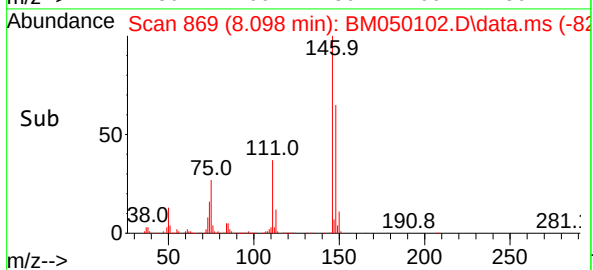
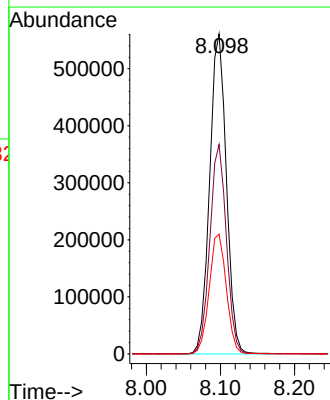
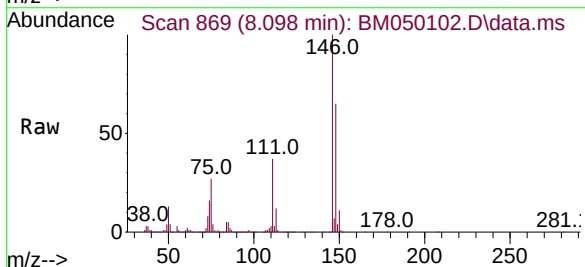
Instrument :
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ClientSampleId :
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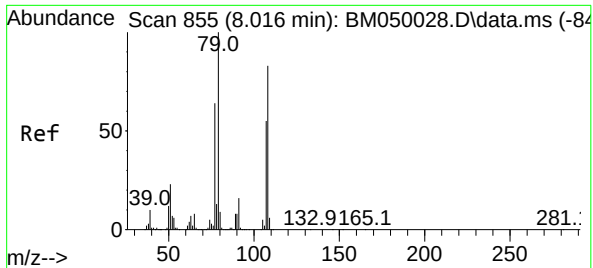
Tgt Ion:146 Resp: 915309
Ion Ratio Lower Upper
146 100
148 65.2 52.2 78.2
111 36.5 29.3 43.9



#14
1,2-Dichlorobenzene
Concen: 41.246 ng
RT: 8.098 min Scan# 869
Delta R.T. -0.024 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion:146 Resp: 879324
Ion Ratio Lower Upper
146 100
148 65.5 52.4 78.6
111 37.5 31.0 46.6

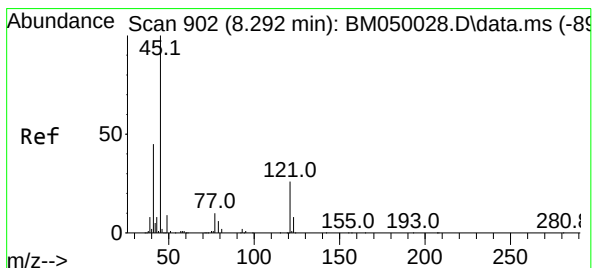
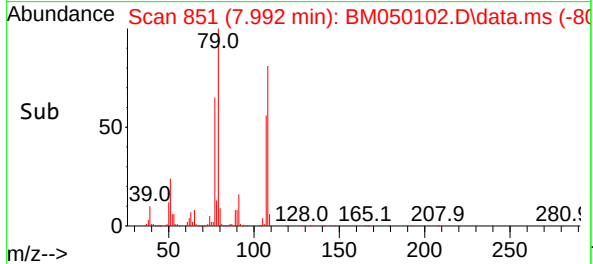
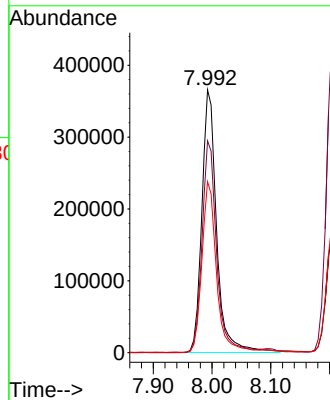
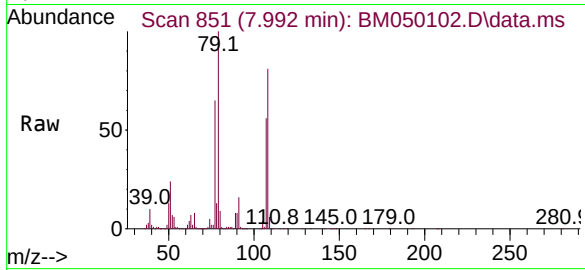




#15
Benzyl Alcohol
Concen: 43.575 ng
RT: 7.992 min Scan# 81
Delta R.T. -0.024 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

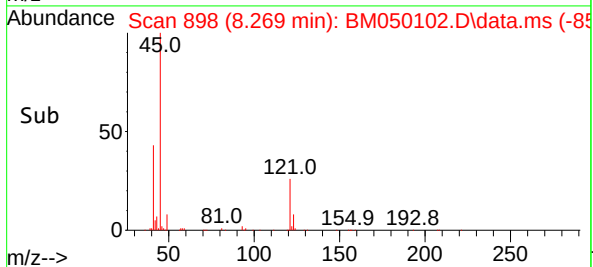
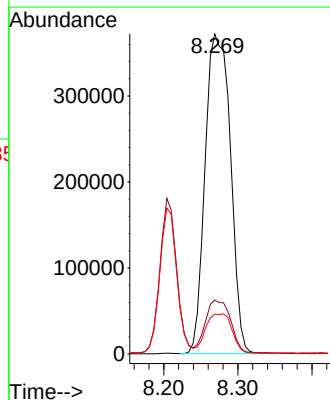
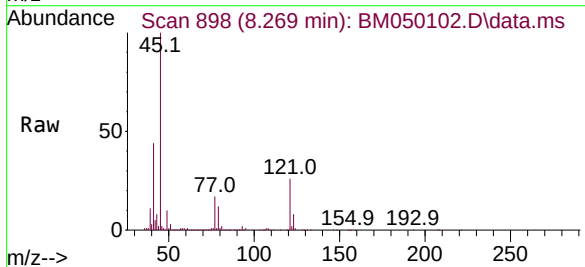
Instrument :
BNA_M
ClientSampleId :
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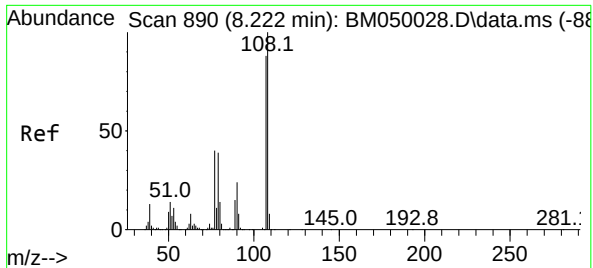
Tgt Ion: 79 Resp: 638864
Ion Ratio Lower Upper
79 100
108 80.6 66.0 99.0
77 65.0 51.6 77.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.599 ng
RT: 8.269 min Scan# 898
Delta R.T. -0.024 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion: 45 Resp: 881946
Ion Ratio Lower Upper
45 100
77 16.8 0.0 36.4
79 12.4 0.0 32.7

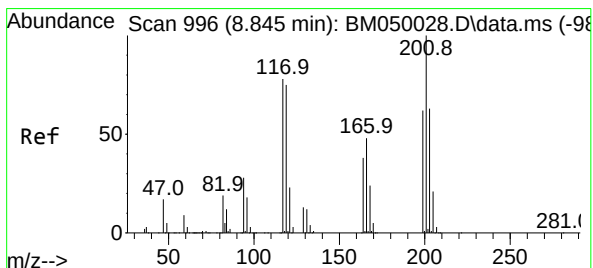
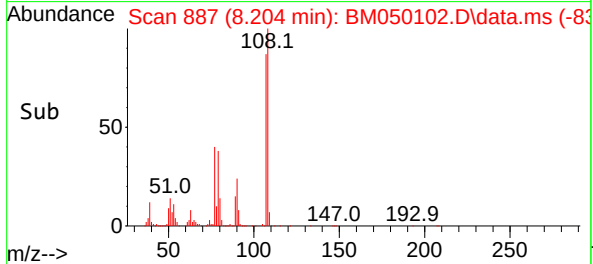
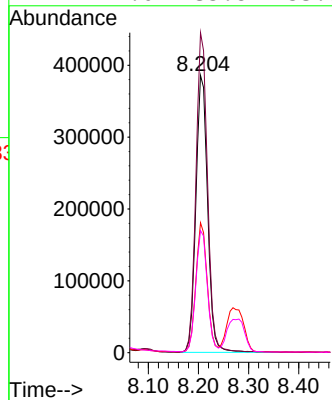
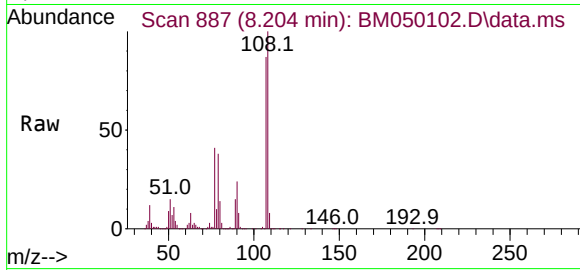




#17
2-Methylphenol
Concen: 44.369 ng
RT: 8.204 min Scan# 890
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

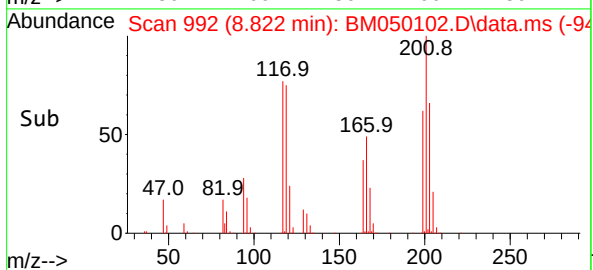
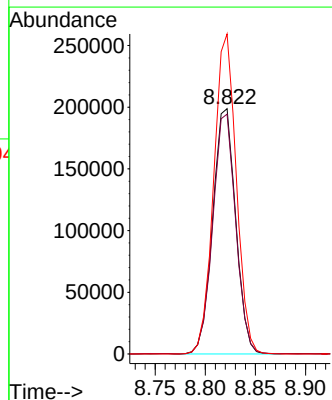
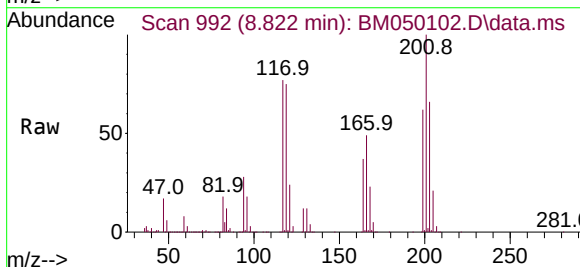
Instrument :
BNA_M
ClientSampleId :
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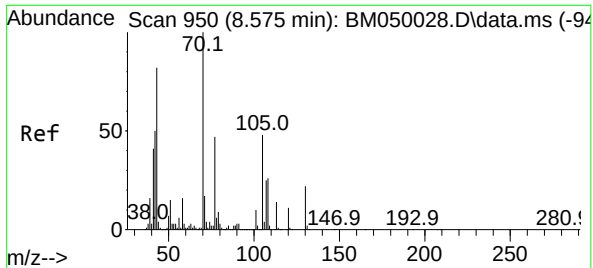
Tgt Ion	107	Ratio	100	Lower	Upper
107	100				
108	115.4		91.1	136.7	
77	46.9		36.2	54.4	
79	44.0		35.8	53.8	



#18
Hexachloroethane
Concen: 40.455 ng
RT: 8.822 min Scan# 992
Delta R.T. -0.024 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion	117	Ratio	100	Lower	Upper
117	100				
119	97.7		77.3	115.9	
201	130.4		102.8	154.2	

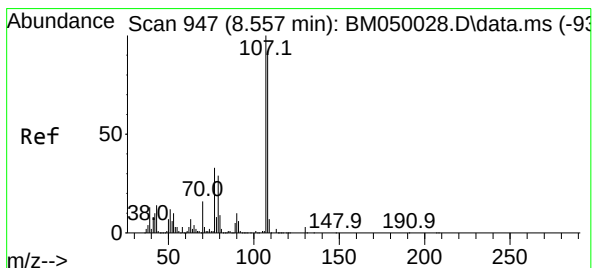
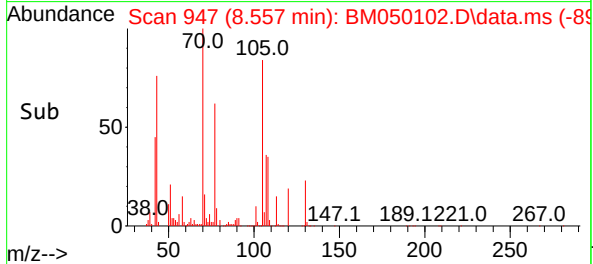
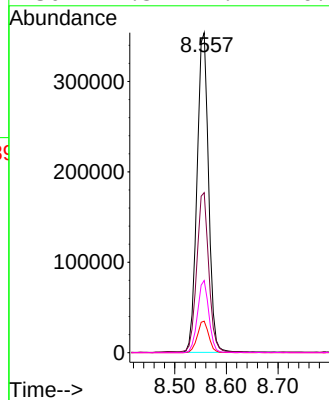
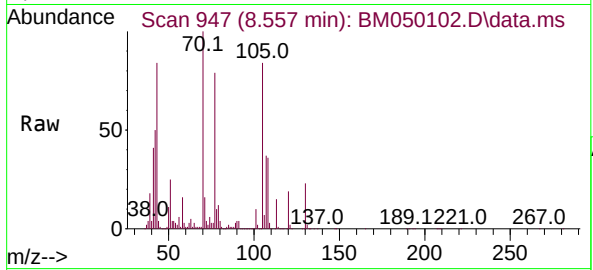




#19
n-Nitroso-di-n-propylamine
Concen: 40.300 ng
RT: 8.557 min Scan# 94
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

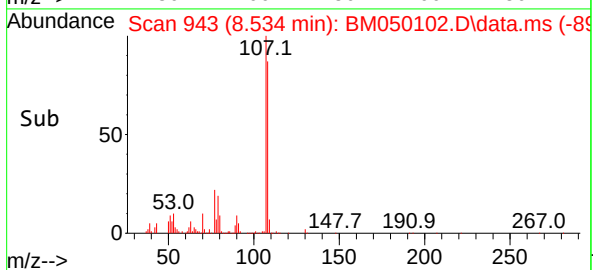
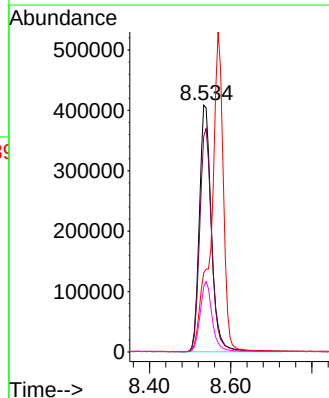
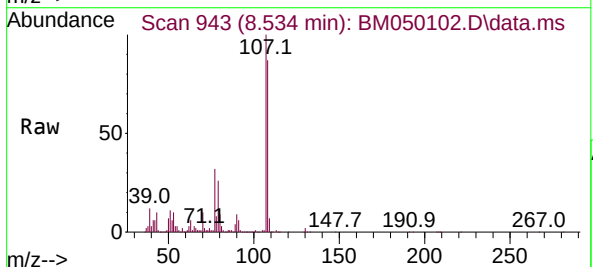
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMSD

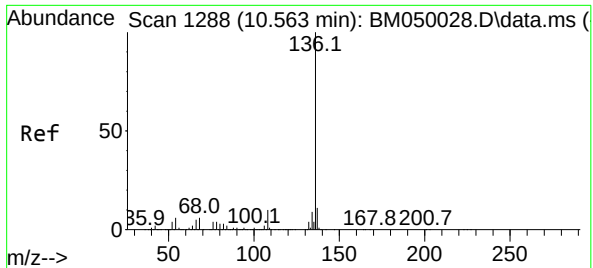
Tgt Ion: 70 Resp: 546426
Ion Ratio Lower Upper
70 100
42 50.0 40.5 60.7
101 9.8 7.8 11.6
130 22.5 17.4 26.2



#20
3+4-Methylphenols
Concen: 44.395 ng
RT: 8.534 min Scan# 943
Delta R.T. -0.024 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion: 107 Resp: 845283
Ion Ratio Lower Upper
107 100
108 87.4 72.4 112.4
77 32.0 13.6 53.6
79 26.4 9.2 49.2

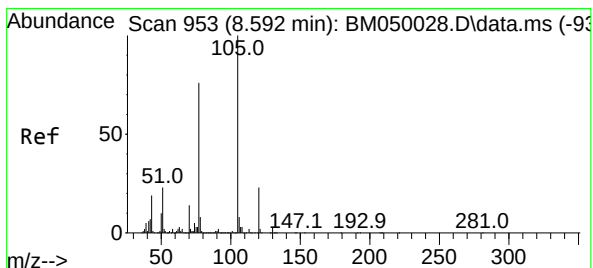
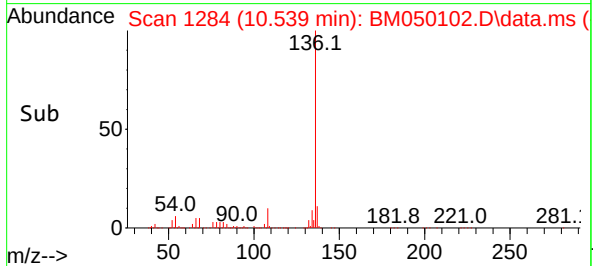
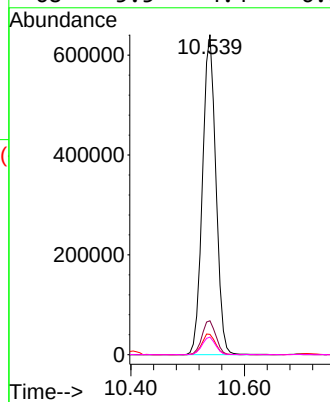
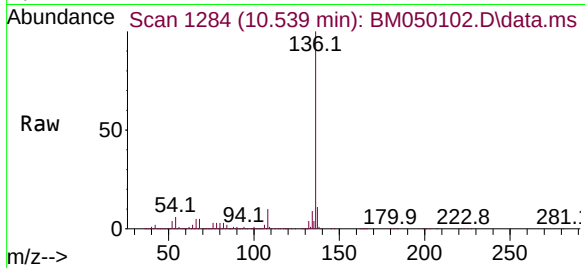




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 11
Delta R.T. -0.024 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

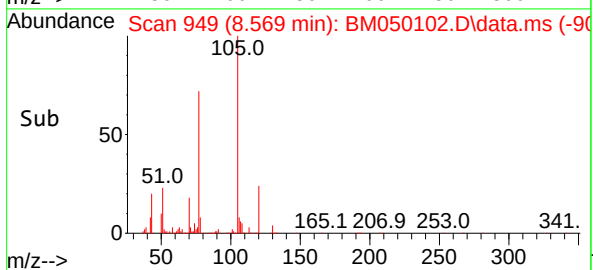
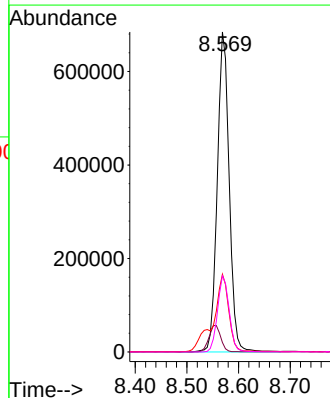
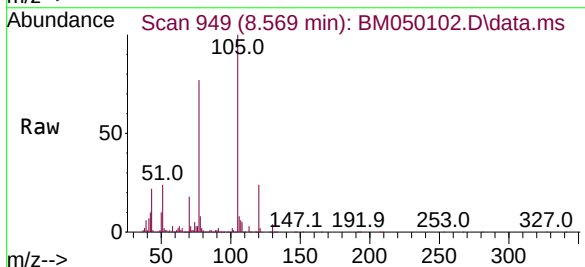
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMSD

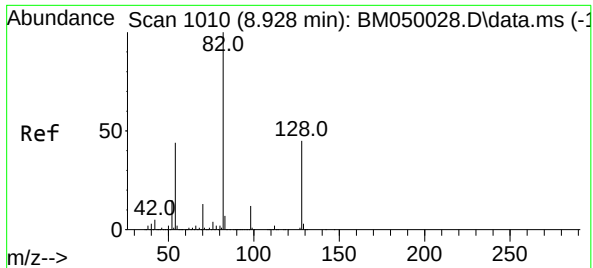
Tgt Ion:136 Resp: 1047794
Ion Ratio Lower Upper
136 100
137 10.6 8.9 13.3
54 6.3 5.1 7.7
68 5.5 4.4 6.6



#22
Acetophenone
Concen: 42.011 ng
RT: 8.569 min Scan# 949
Delta R.T. -0.024 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion:105 Resp: 1094380
Ion Ratio Lower Upper
105 100
71 2.9 1.7 2.5#
51 24.3 18.6 27.8
120 23.8 18.3 27.5





#23

Nitrobenzene-d5

Concen: 43.976 ng

RT: 8.904 min Scan# 1006

Delta R.T. -0.024 min

Lab File: BM050102.D

Acq: 05 May 2025 17:00

Instrument :

BNA_M

ClientSampleId :

LARGE-PILE-CMSD

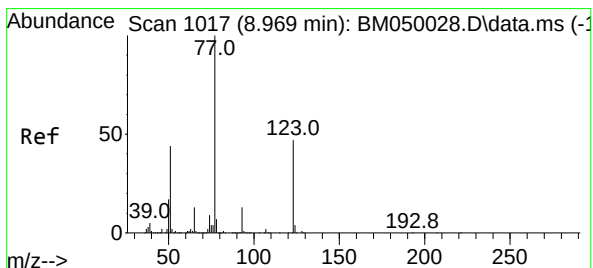
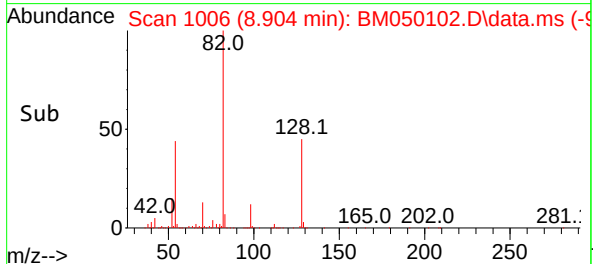
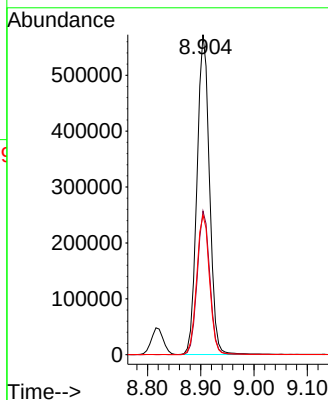
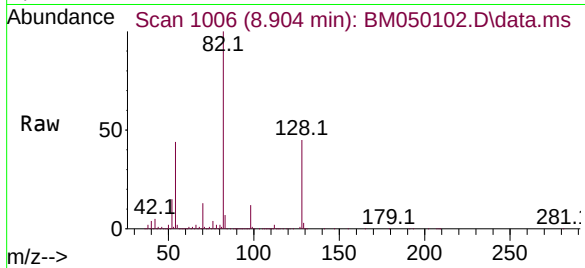
Tgt Ion: 82 Resp: 935080

Ion Ratio Lower Upper

82 100

128 44.8 35.7 53.5

54 43.6 35.4 53.2



#24

Nitrobenzene

Concen: 42.543 ng

RT: 8.945 min Scan# 1013

Delta R.T. -0.024 min

Lab File: BM050102.D

Acq: 05 May 2025 17:00

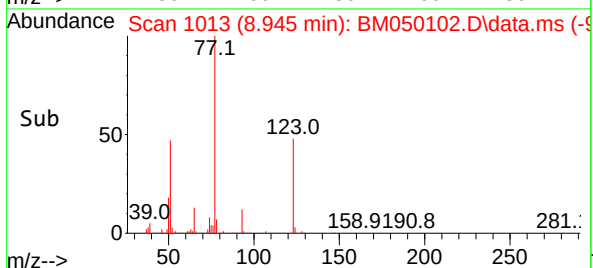
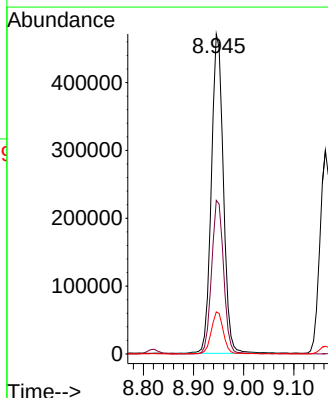
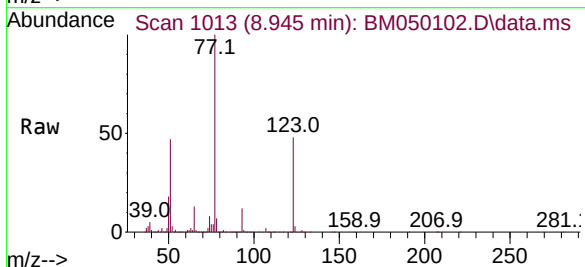
Tgt Ion: 77 Resp: 782189

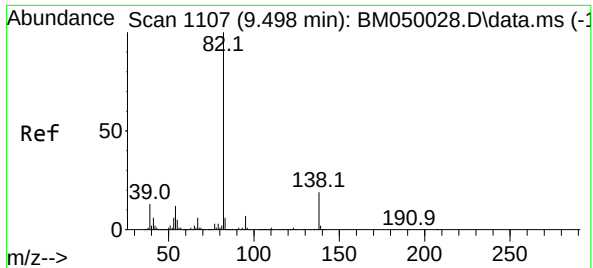
Ion Ratio Lower Upper

77 100

123 48.0 37.9 56.9

65 13.2 10.1 15.1

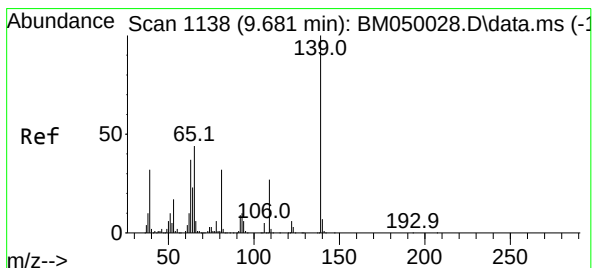
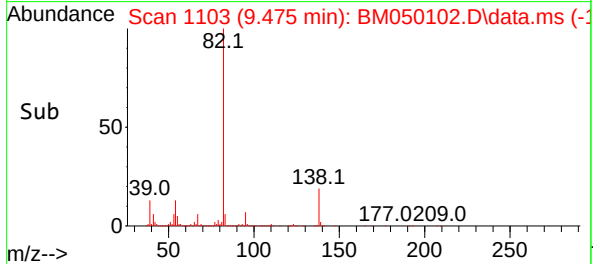
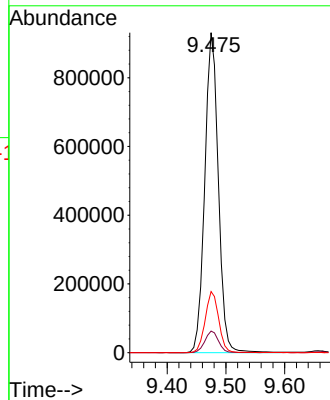
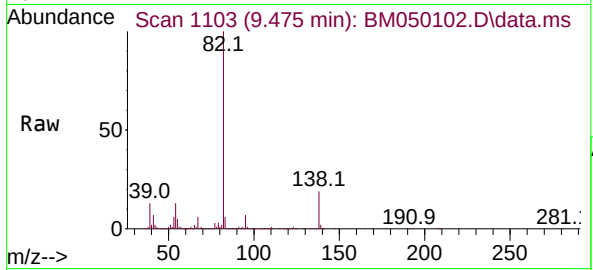




#25
Isophorone
Concen: 41.291 ng
RT: 9.475 min Scan# 1107
Delta R.T. -0.024 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

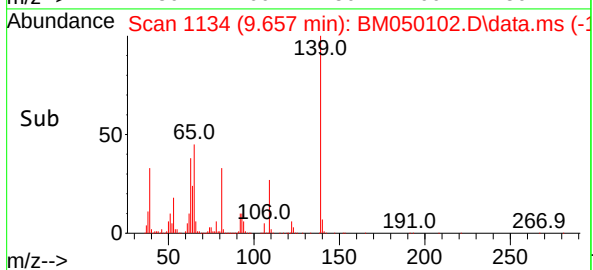
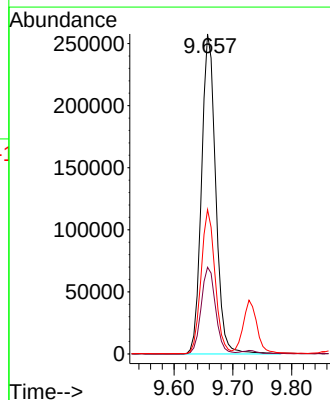
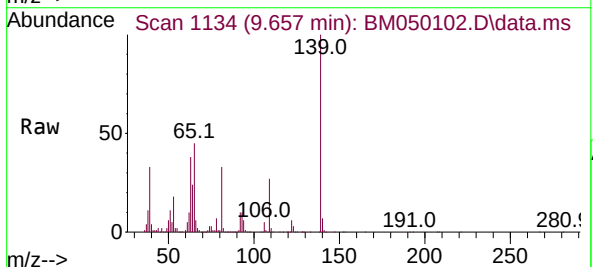
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMSD

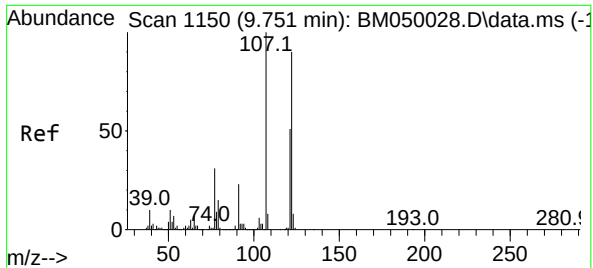
Tgt Ion: 82 Resp: 1496619
Ion Ratio Lower Upper
82 100
95 6.8 5.7 8.5
138 19.1 15.5 23.3



#26
2-Nitrophenol
Concen: 45.947 ng
RT: 9.657 min Scan# 1134
Delta R.T. -0.024 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion: 139 Resp: 431575
Ion Ratio Lower Upper
139 100
109 27.1 21.9 32.9
65 45.1 35.4 53.2

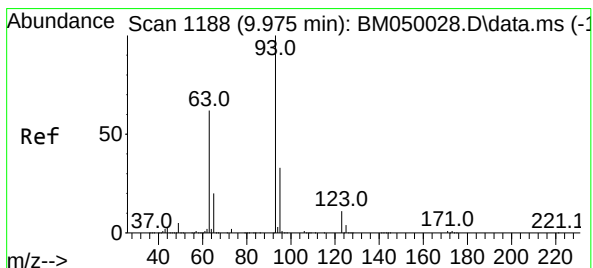
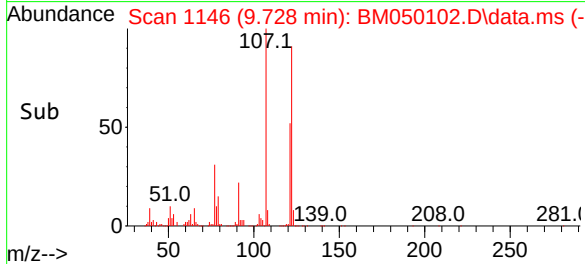
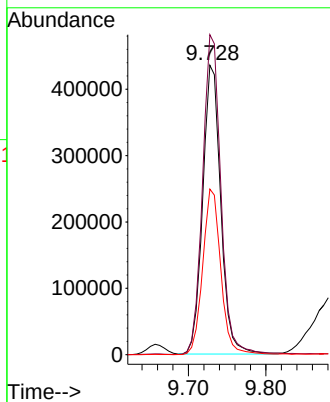
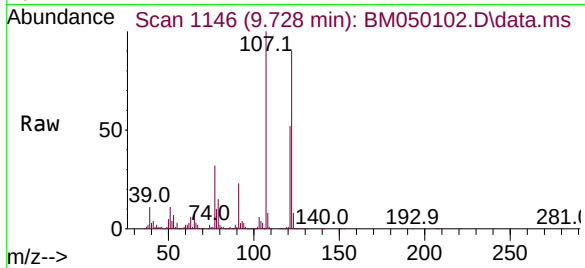




#27
2,4-Dimethylphenol
Concen: 45.242 ng
RT: 9.728 min Scan# 1146
Delta R.T. -0.024 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

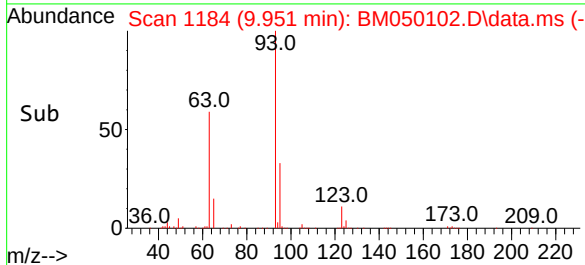
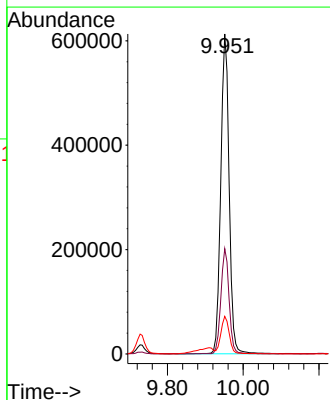
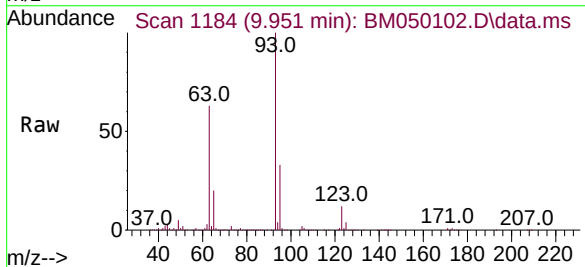
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMSD

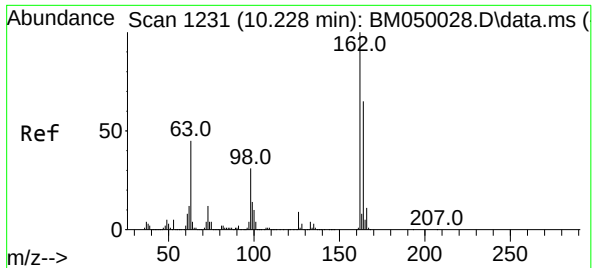
Tgt Ion:122 Resp: 704725
Ion Ratio Lower Upper
122 100
107 110.6 89.0 133.6
121 57.2 45.6 68.4



#28
bis(2-Chloroethoxy)methane
Concen: 42.225 ng
RT: 9.951 min Scan# 1184
Delta R.T. -0.024 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion: 93 Resp: 945958
Ion Ratio Lower Upper
93 100
95 32.9 26.1 39.1
123 11.8 9.5 14.3





#29

2,4-Dichlorophenol

Concen: 46.064 ng

RT: 10.210 min Scan# 1228

Delta R.T. -0.018 min

Lab File: BM050102.D

Acq: 05 May 2025 17:00

Instrument :

BNA_M

ClientSampleId :

LARGE-PILE-CMSD

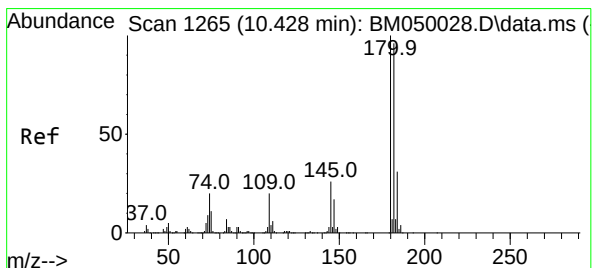
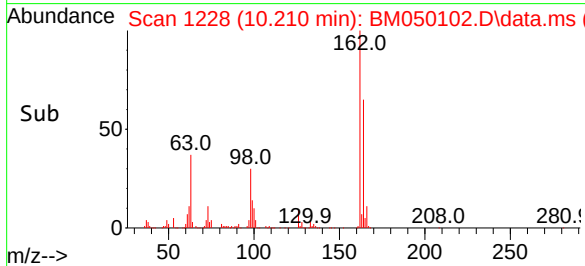
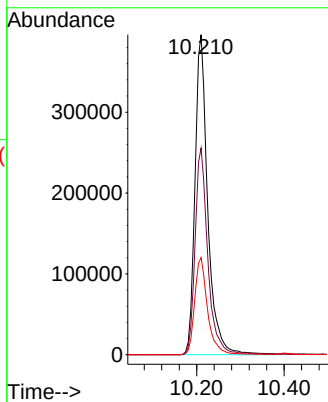
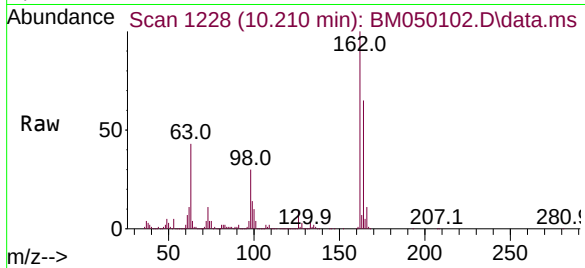
Tgt Ion:162 Resp: 803843

Ion Ratio Lower Upper

162 100

164 64.6 45.4 85.4

98 30.3 11.3 51.3



#30

1,2,4-Trichlorobenzene

Concen: 42.755 ng

RT: 10.404 min Scan# 1261

Delta R.T. -0.024 min

Lab File: BM050102.D

Acq: 05 May 2025 17:00

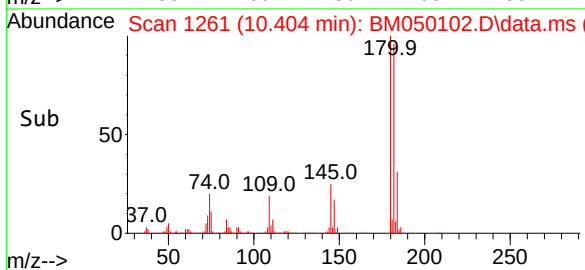
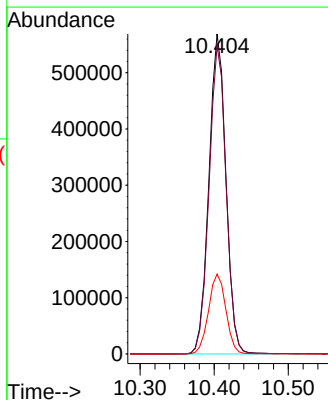
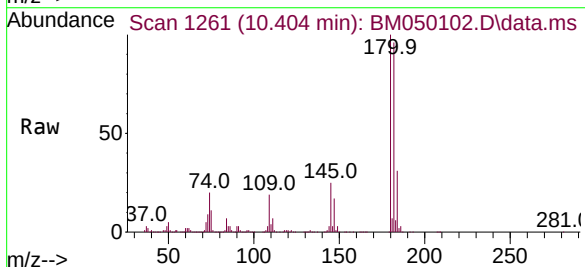
Tgt Ion:180 Resp: 909008

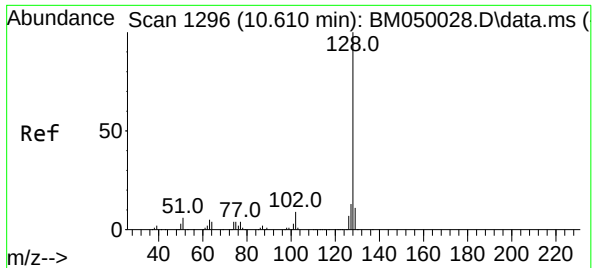
Ion Ratio Lower Upper

180 100

182 96.3 77.0 115.4

145 25.0 20.6 30.8

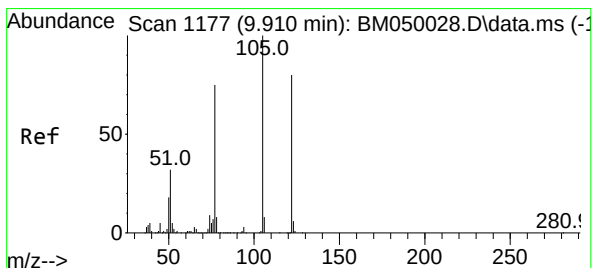
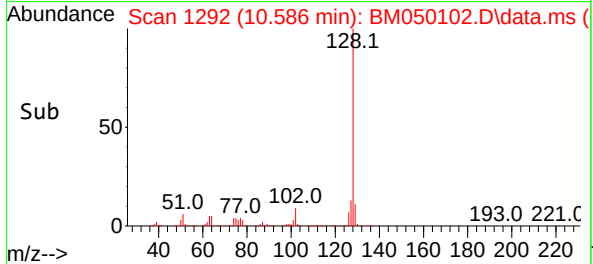
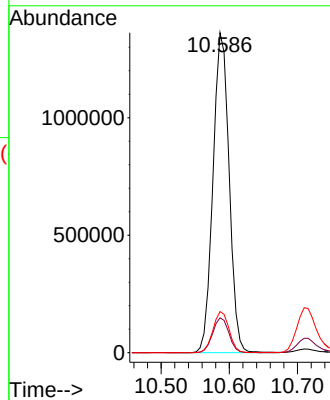
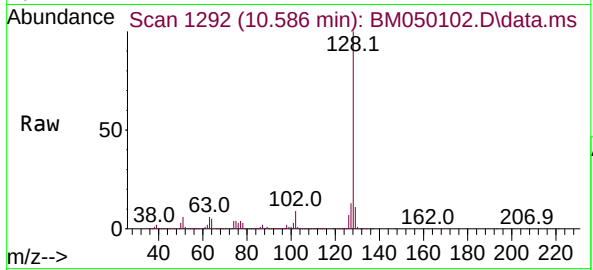




#31
Naphthalene
Concen: 42.321 ng
RT: 10.586 min Scan# 111
Delta R.T. -0.024 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

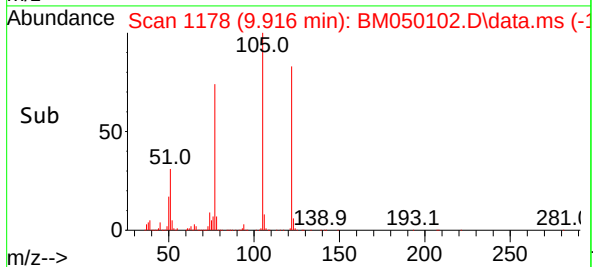
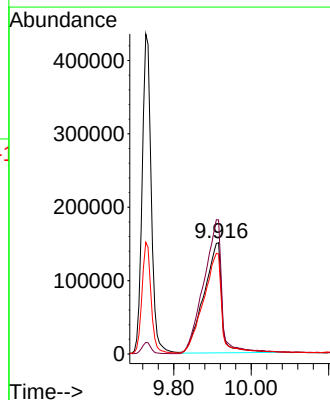
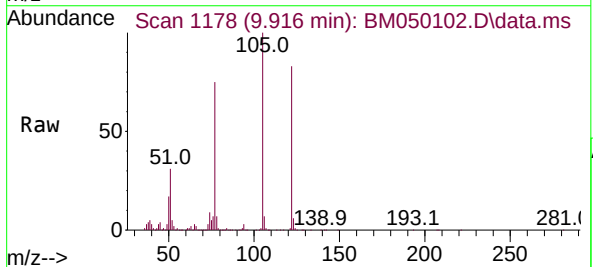
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMSD

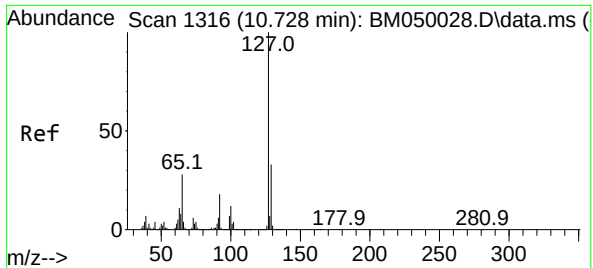
Tgt Ion:128 Resp: 2245700
Ion Ratio Lower Upper
128 100
129 10.9 8.8 13.2
127 12.9 10.4 15.6



#32
Benzoic acid
Concen: 48.767 ng
RT: 9.916 min Scan# 1178
Delta R.T. 0.006 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion:122 Resp: 485833
Ion Ratio Lower Upper
122 100
105 120.6 103.6 143.6
77 89.8 73.7 113.7

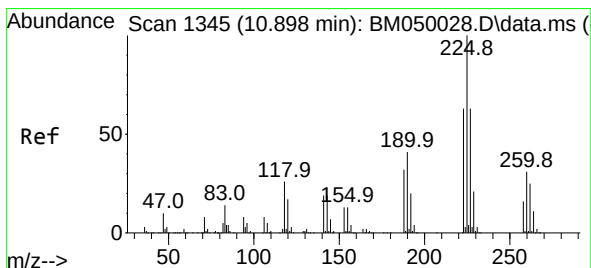
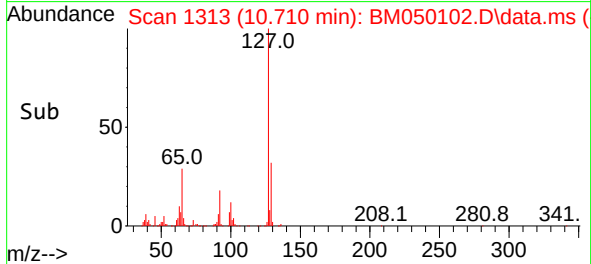
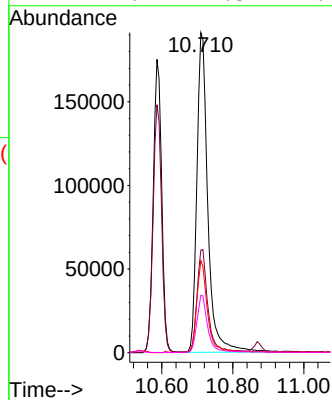
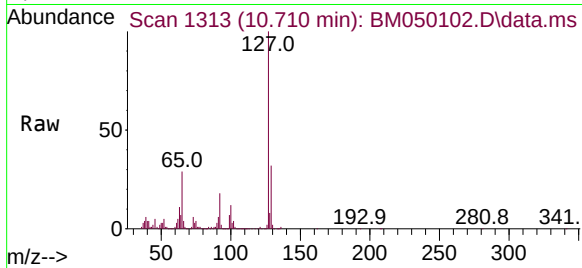




#33
4-Chloroaniline
Concen: 18.940 ng
RT: 10.710 min Scan# 11
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

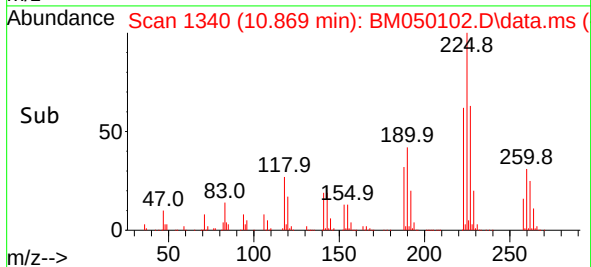
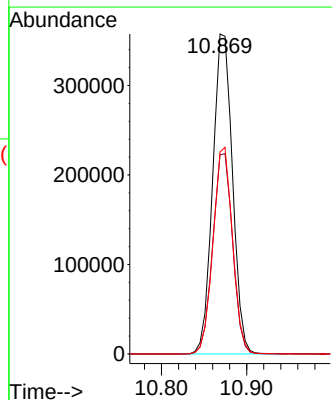
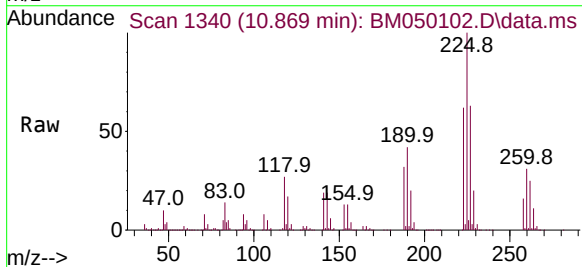
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMSD

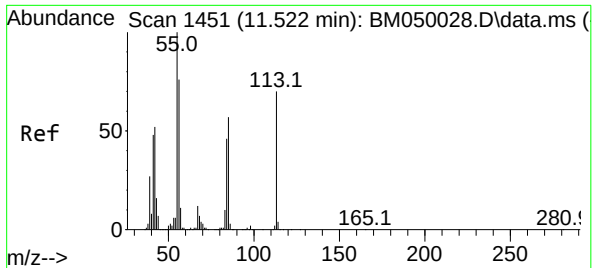
Tgt Ion:127 Resp: 411943
Ion Ratio Lower Upper
127 100
129 32.1 26.3 39.5
65 28.8 22.5 33.7
92 17.9 14.5 21.7



#34
Hexachlorobutadiene
Concen: 42.741 ng
RT: 10.869 min Scan# 1340
Delta R.T. -0.030 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion:225 Resp: 576823
Ion Ratio Lower Upper
225 100
223 62.3 50.2 75.2
227 63.1 50.6 76.0

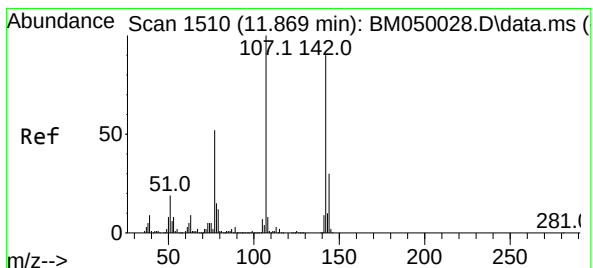
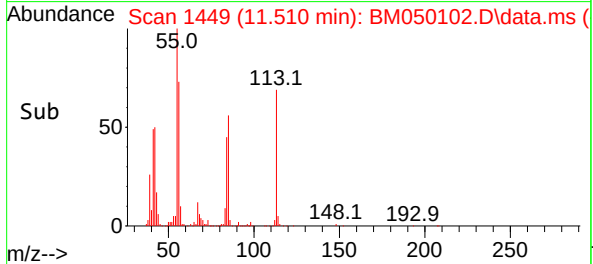
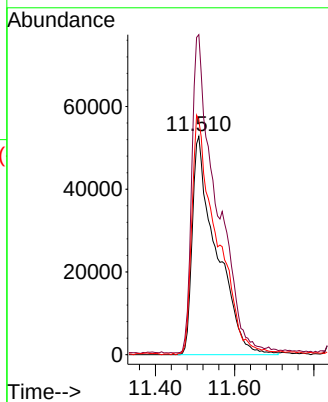
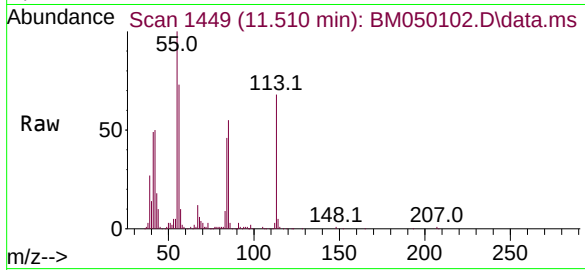




#35
Caprolactam
Concen: 43.397 ng
RT: 11.510 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

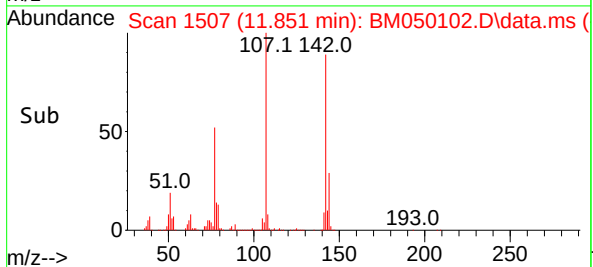
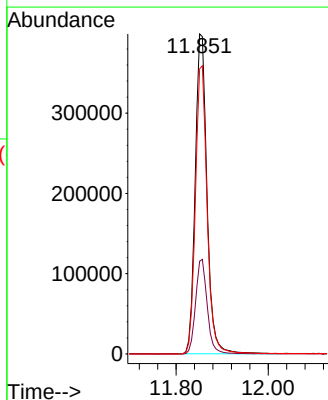
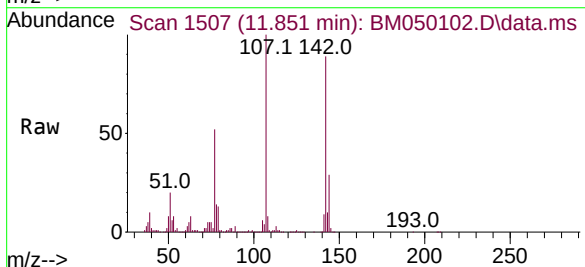
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMSD

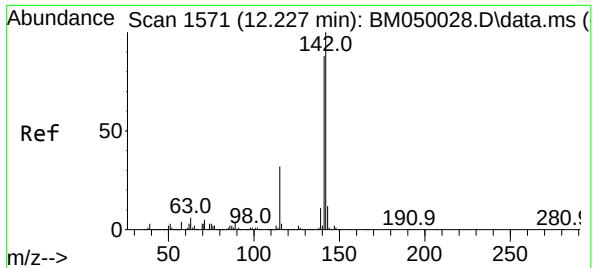
Tgt Ion:113 Resp: 220808
Ion Ratio Lower Upper
113 100
55 146.6 122.9 162.9
56 107.3 88.1 128.1



#36
4-Chloro-3-methylphenol
Concen: 43.872 ng
RT: 11.851 min Scan# 1507
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion:107 Resp: 707311
Ion Ratio Lower Upper
107 100
144 29.0 23.8 35.6
142 89.1 71.9 107.9

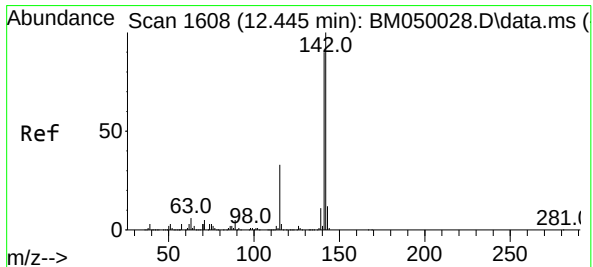
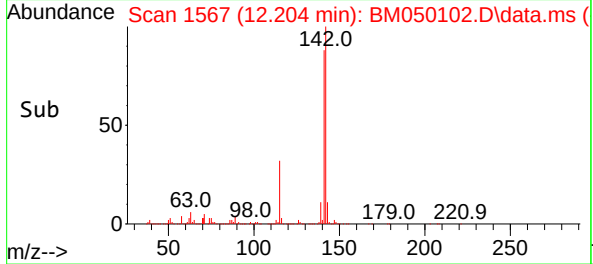
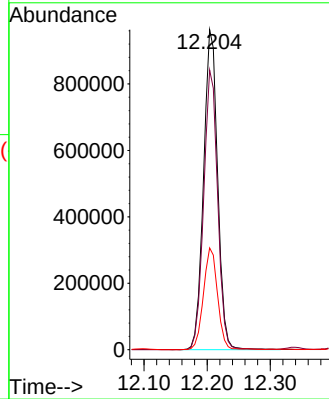
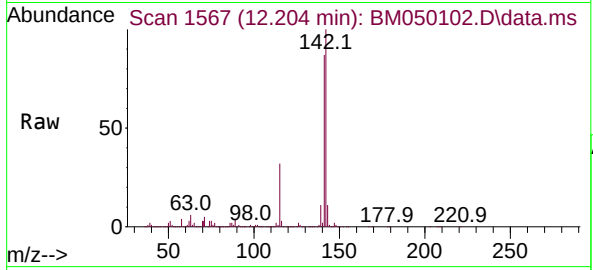




#37
2-Methylnaphthalene
Concen: 41.951 ng
RT: 12.204 min Scan# 1567
Delta R.T. -0.024 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

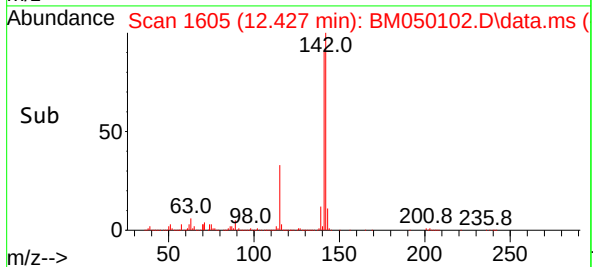
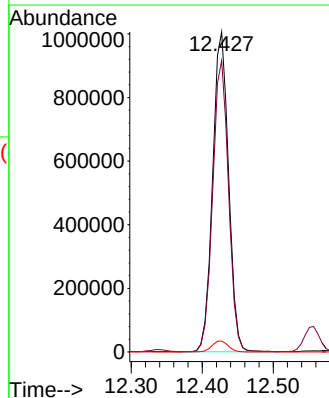
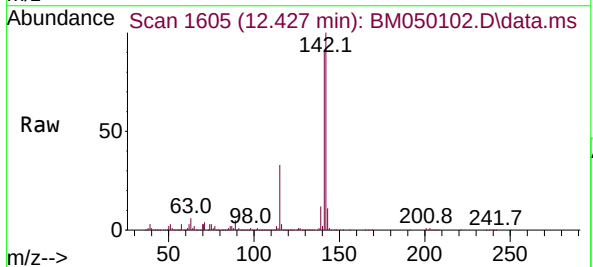
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMSD

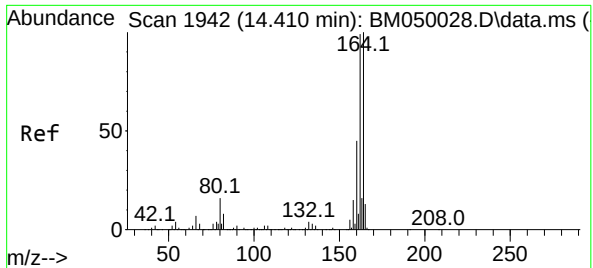
Tgt Ion:142 Resp: 1492444
Ion Ratio Lower Upper
142 100
141 87.4 70.4 105.6
115 31.8 25.4 38.2



#38
1-Methylnaphthalene
Concen: 41.462 ng
RT: 12.427 min Scan# 1605
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

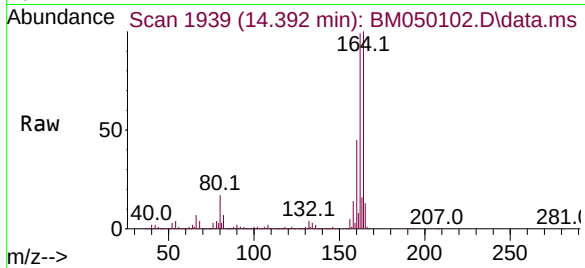
Tgt Ion:142 Resp: 1561032
Ion Ratio Lower Upper
142 100
141 91.0 72.1 108.1
116 3.4 2.7 4.1



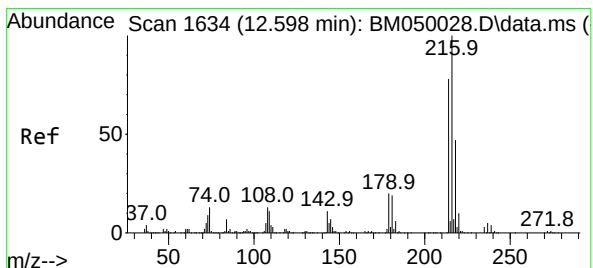
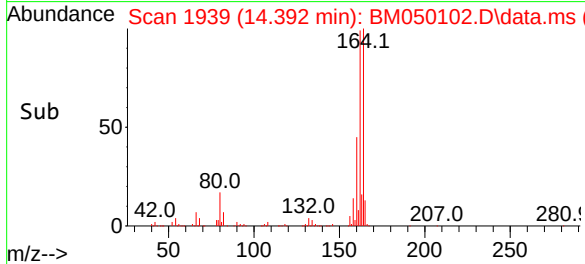
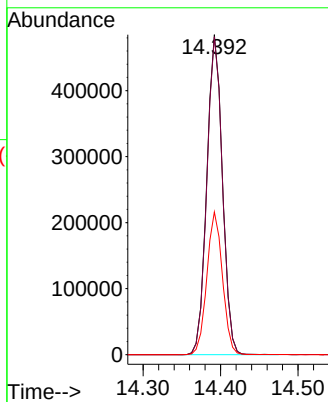


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1942
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMSD

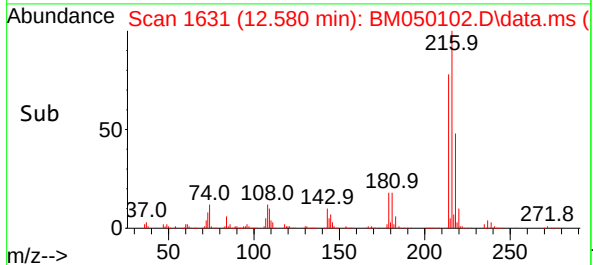
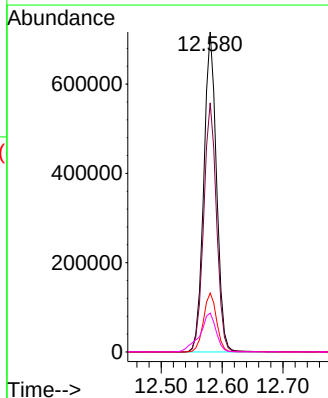
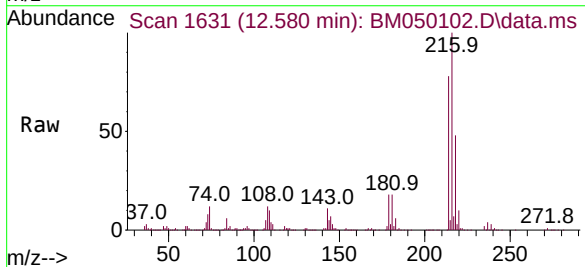


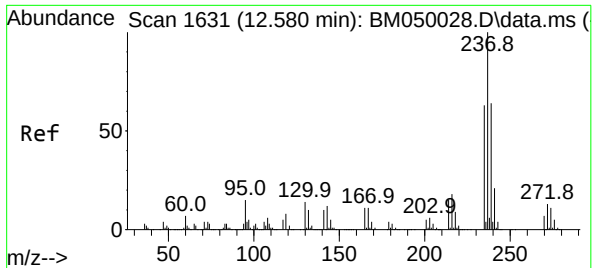
Tgt Ion:164 Resp: 677703
Ion Ratio Lower Upper
164 100
162 99.4 79.4 119.0
160 44.6 36.2 54.4



#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.382 ng
RT: 12.580 min Scan# 1631
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

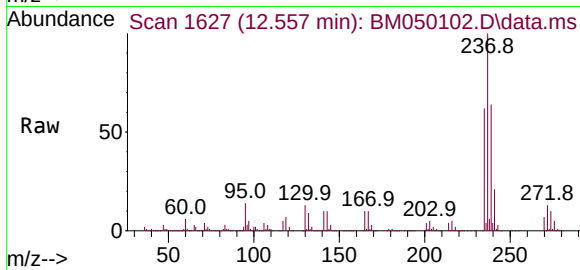
Tgt Ion:216 Resp: 1041214
Ion Ratio Lower Upper
216 100
214 78.5 62.3 93.5
179 18.9 15.4 23.0
108 15.4 11.7 17.5



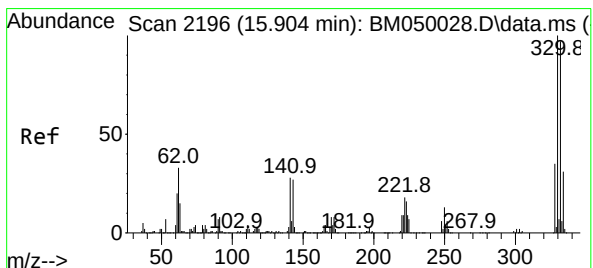
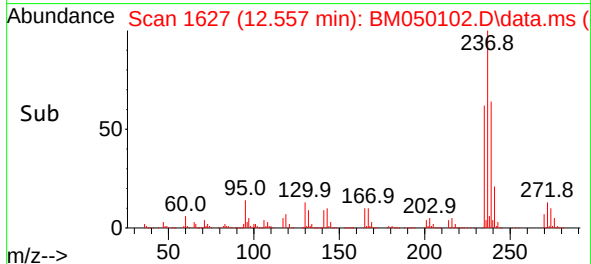
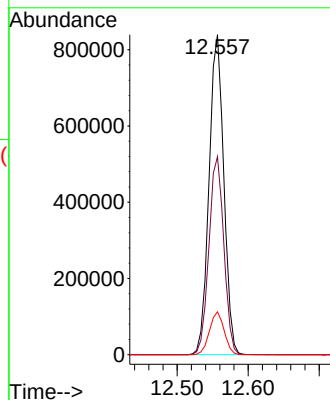


#41
Hexachlorocyclopentadiene
Concen: 84.498 ng
RT: 12.557 min Scan# 1
Delta R.T. -0.023 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMSD

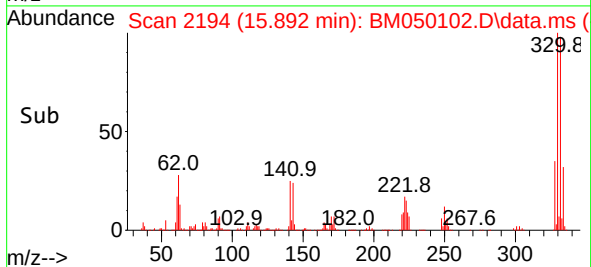
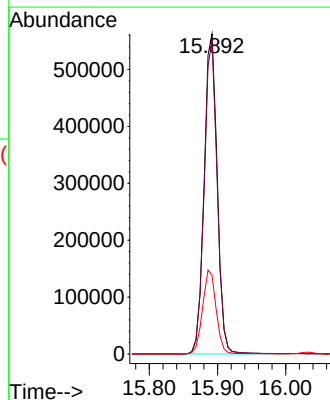
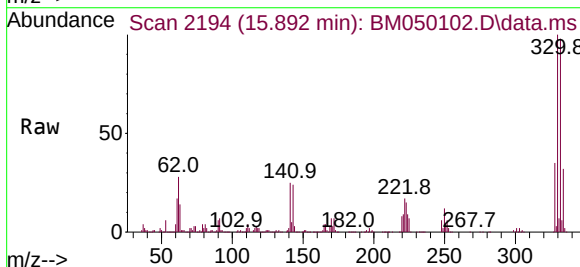


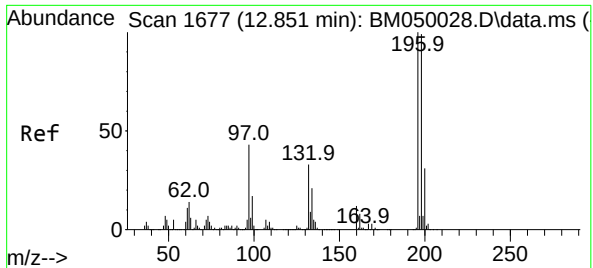
Tgt Ion:237 Resp: 1211458
Ion Ratio Lower Upper
237 100
235 61.9 42.9 82.9
272 13.4 0.0 32.9



#42
2,4,6-Tribromophenol
Concen: 75.105 ng
RT: 15.892 min Scan# 2194
Delta R.T. -0.012 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

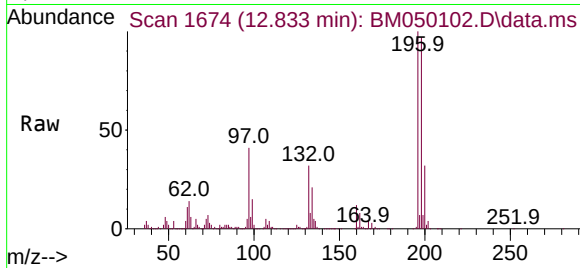
Tgt Ion:330 Resp: 752609
Ion Ratio Lower Upper
330 100
332 97.0 77.3 115.9
141 27.2 22.5 33.7



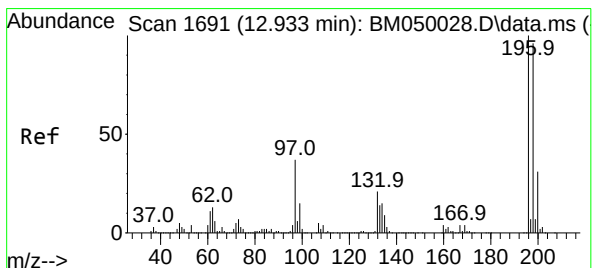
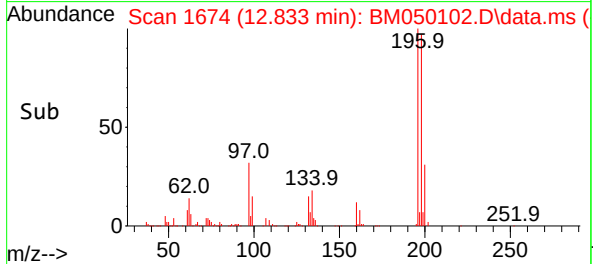
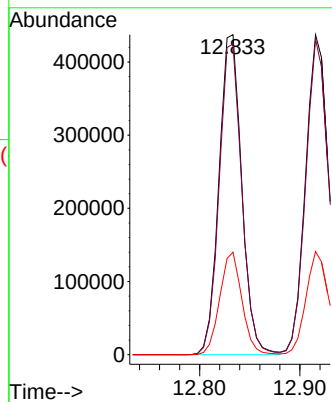


#43
2,4,6-Trichlorophenol
Concen: 46.248 ng
RT: 12.833 min Scan# 1687
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMSD

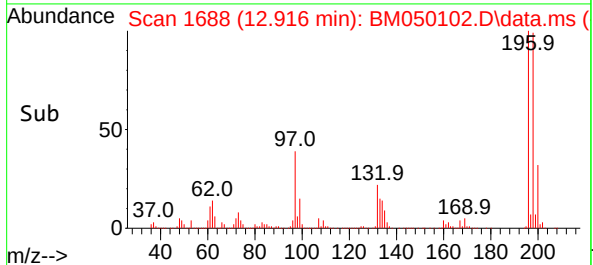
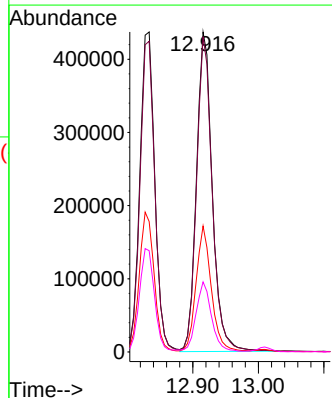
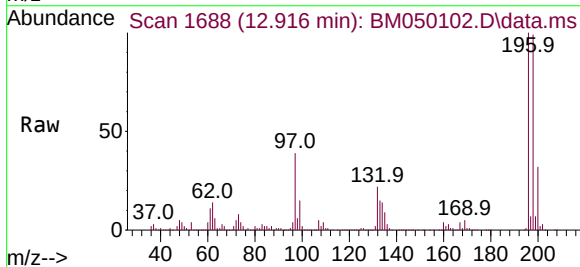


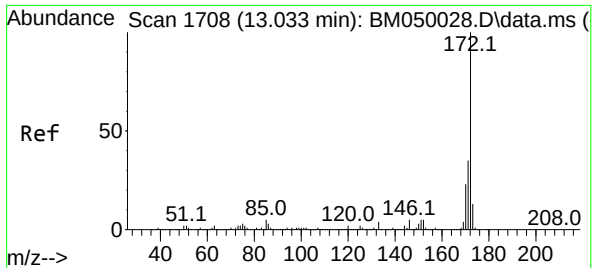
Tgt Ion:196 Resp: 688174
Ion Ratio Lower Upper
196 100
198 97.1 79.0 118.6
200 32.1 25.1 37.7



#44
2,4,5-Trichlorophenol
Concen: 45.812 ng
RT: 12.916 min Scan# 1688
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion:196 Resp: 735097
Ion Ratio Lower Upper
196 100
198 98.6 76.7 115.1
97 39.4 30.1 45.1
132 21.9 16.6 25.0

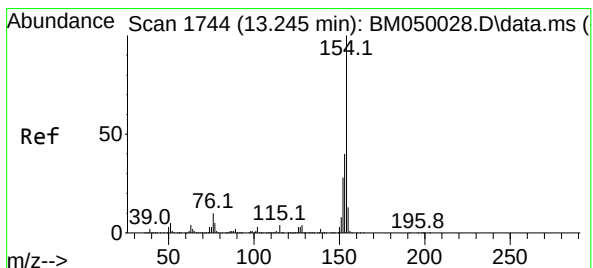
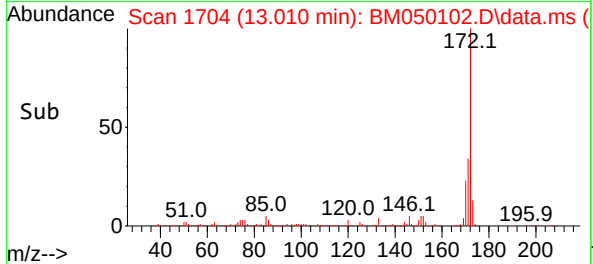
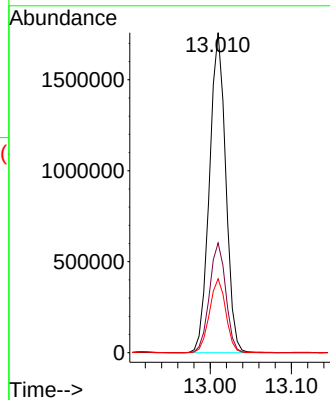
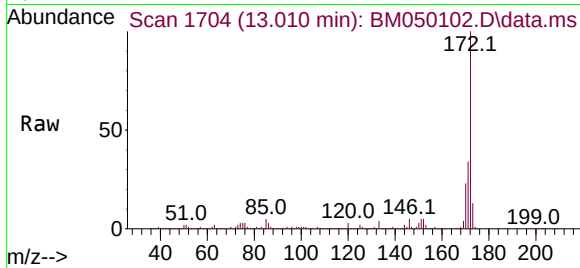




#45
2-Fluorobiphenyl
Concen: 42.705 ng
RT: 13.010 min Scan# 1704
Delta R.T. -0.024 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

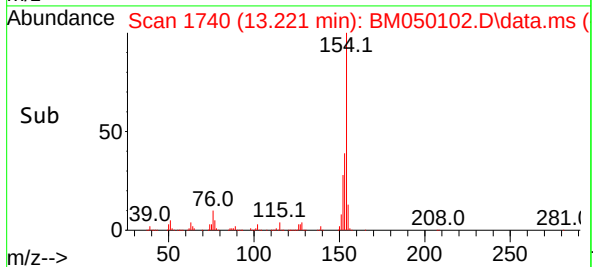
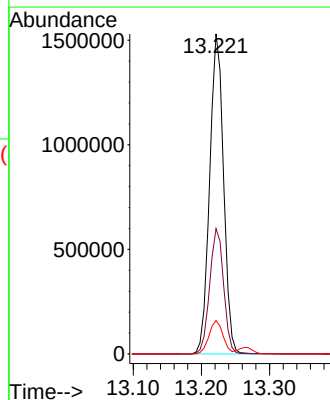
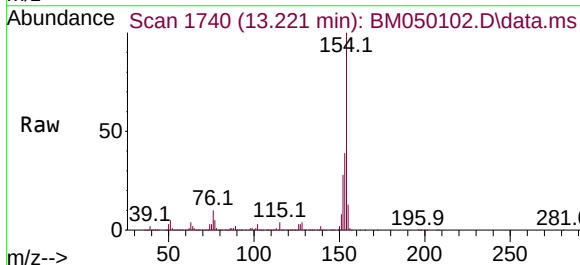
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMSD

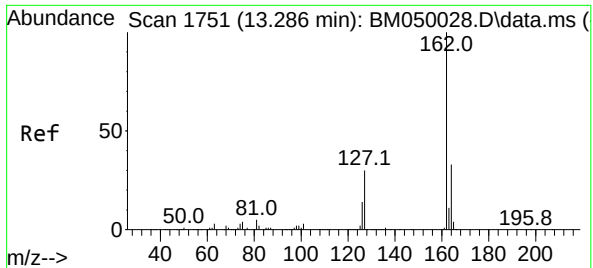
Tgt Ion:172 Resp: 2446445
Ion Ratio Lower Upper
172 100
171 34.3 27.8 41.6
170 23.1 18.6 28.0



#46
1,1'-Biphenyl
Concen: 43.105 ng
RT: 13.221 min Scan# 1740
Delta R.T. -0.024 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion:154 Resp: 2171525
Ion Ratio Lower Upper
154 100
153 39.2 20.0 60.0
76 10.5 0.0 30.3

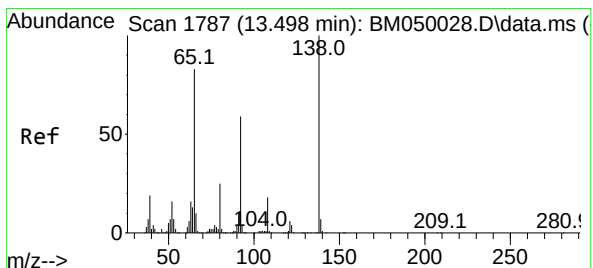
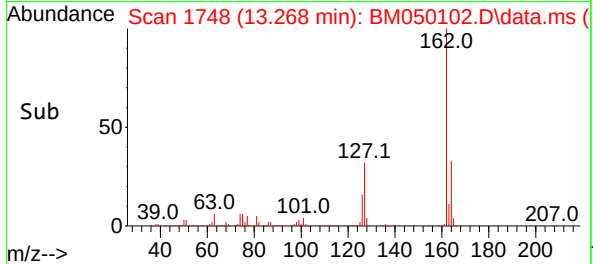
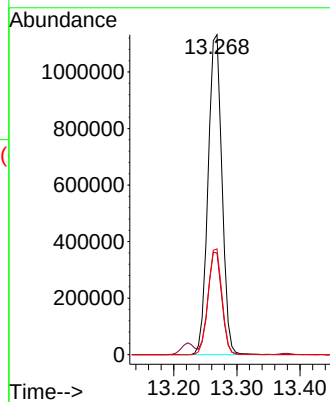
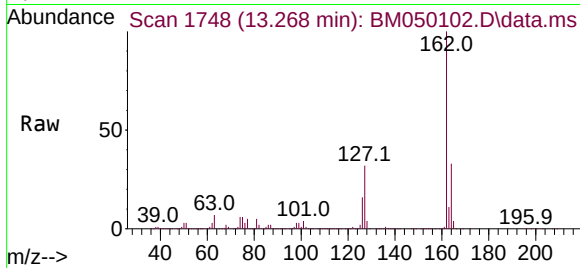




#47
2-Chloronaphthalene
Concen: 43.436 ng
RT: 13.268 min Scan# 1751
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

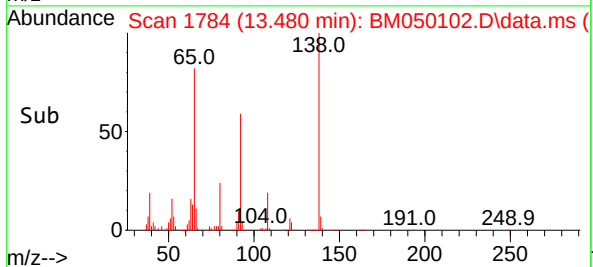
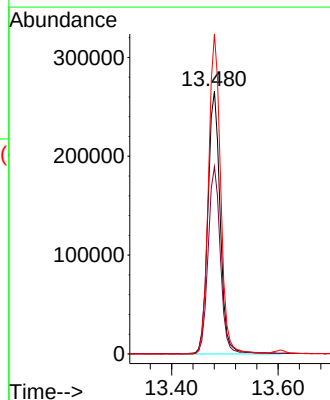
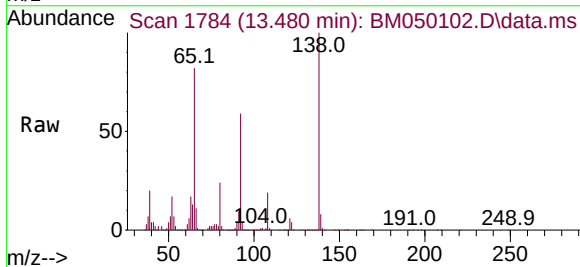
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMSD

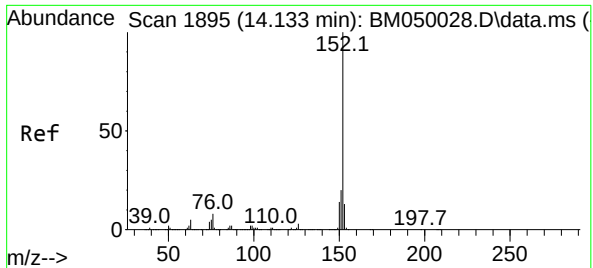
Tgt Ion:162 Resp: 1733055
Ion Ratio Lower Upper
162 100
127 31.7 25.9 38.9
164 33.0 26.6 40.0



#48
2-Nitroaniline
Concen: 45.573 ng
RT: 13.480 min Scan# 1784
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion: 65 Resp: 426754
Ion Ratio Lower Upper
65 100
92 71.3 57.1 85.7
138 121.8 97.0 145.4

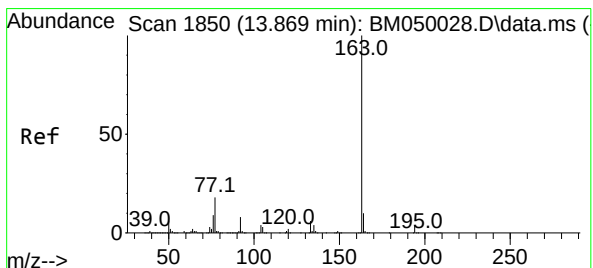
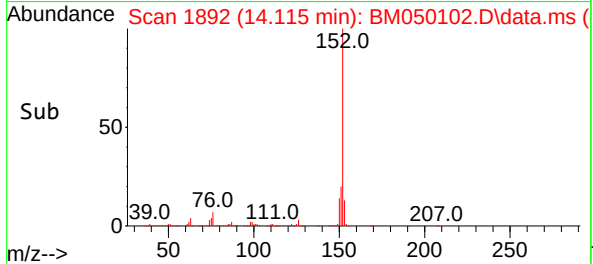
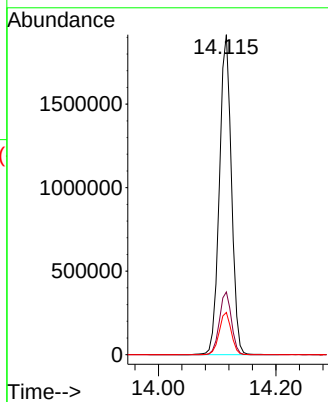
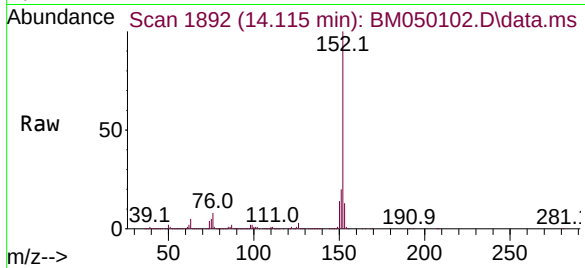




#49
Acenaphthylene
Concen: 43.026 ng
RT: 14.115 min Scan# 1892
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

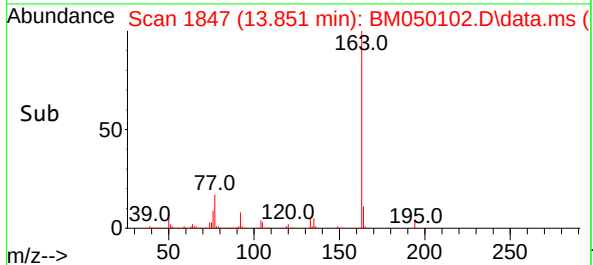
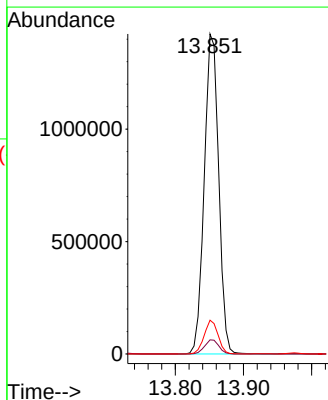
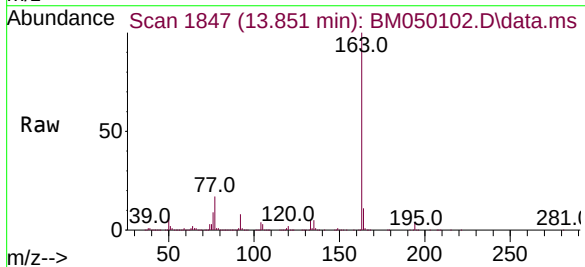
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMSD

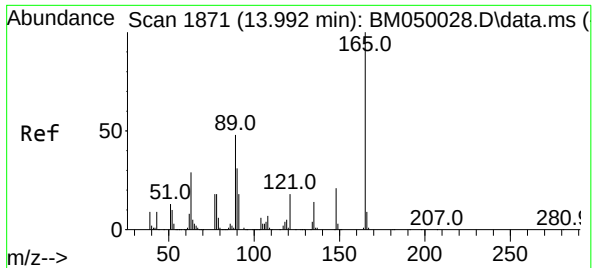
Tgt Ion:152 Resp: 2706657
Ion Ratio Lower Upper
152 100
151 19.6 15.8 23.8
153 13.2 10.6 15.8



#50
Dimethylphthalate
Concen: 42.338 ng
RT: 13.851 min Scan# 1847
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion:163 Resp: 2096886
Ion Ratio Lower Upper
163 100
194 4.4 3.4 5.2
164 10.6 8.2 12.2

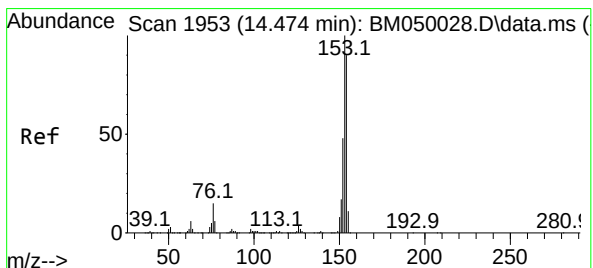
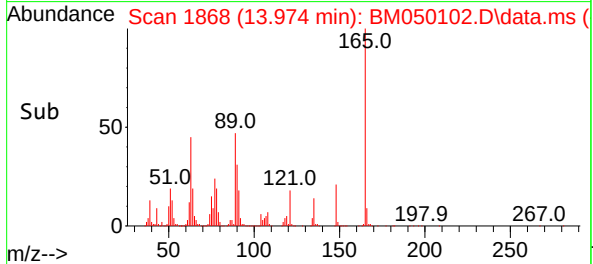
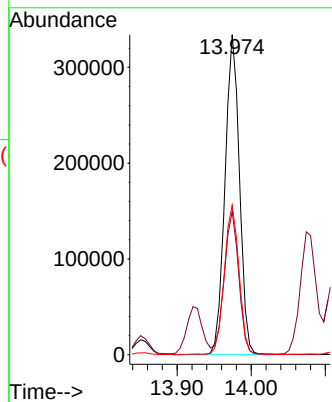
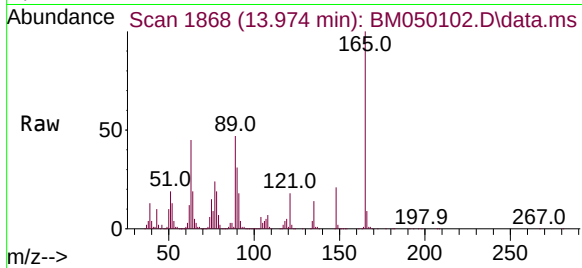




#51
2,6-Dinitrotoluene
Concen: 44.235 ng
RT: 13.974 min Scan# 1868
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

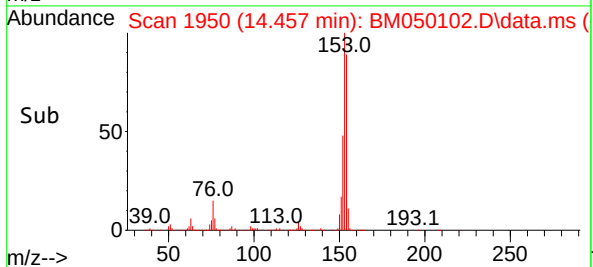
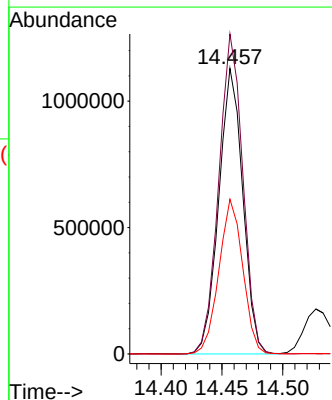
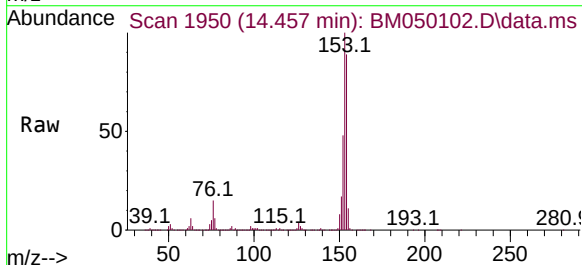
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMSD

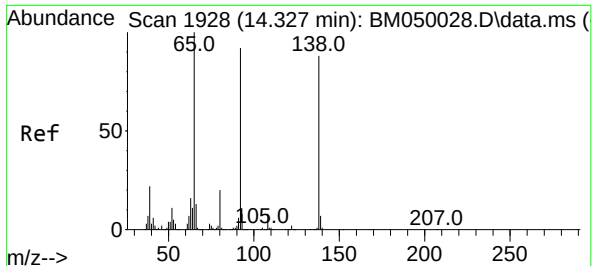
Tgt Ion:165 Resp: 453604
Ion Ratio Lower Upper
165 100
63 44.8 35.1 52.7
89 46.8 38.4 57.6



#52
Acenaphthene
Concen: 42.580 ng
RT: 14.457 min Scan# 1950
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion:154 Resp: 1550487
Ion Ratio Lower Upper
154 100
153 112.1 89.0 133.4
152 54.2 43.0 64.6

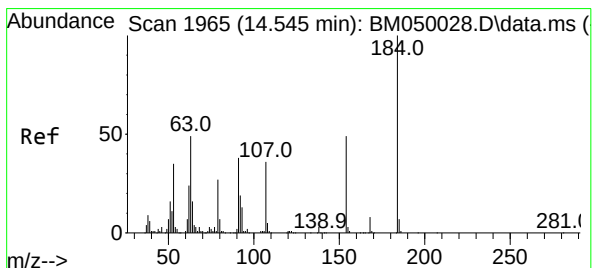
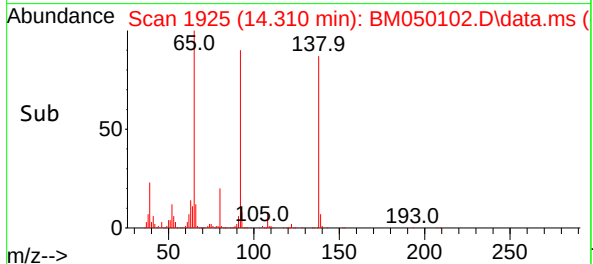
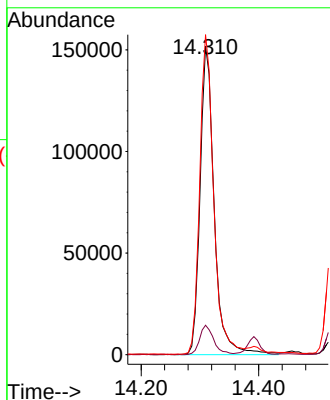
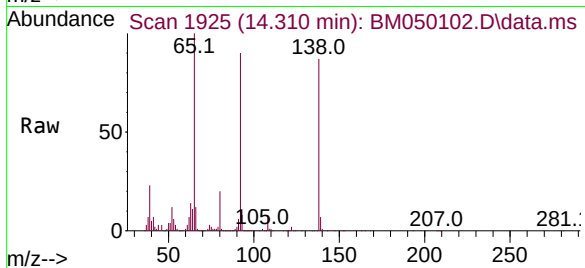




#53
3-Nitroaniline
Concen: 25.944 ng
RT: 14.310 min Scan# 1925
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

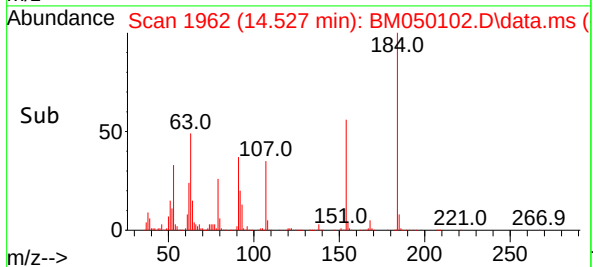
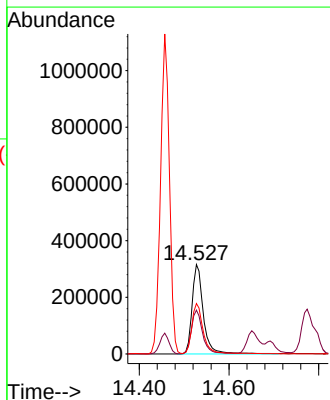
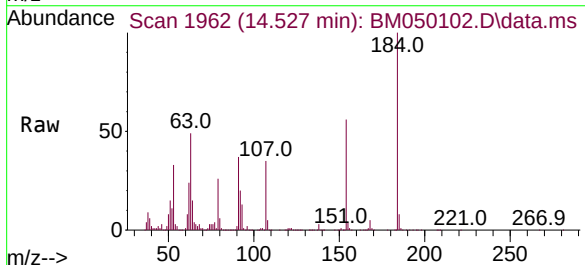
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMSD

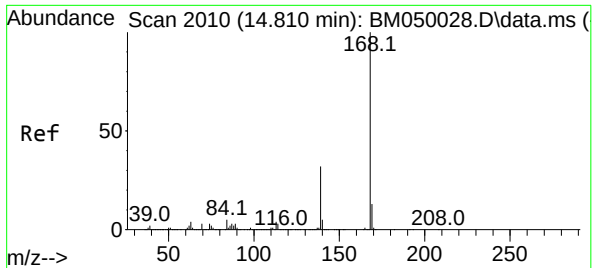
Tgt Ion:138 Resp: 253994
Ion Ratio Lower Upper
138 100
108 9.6 7.4 11.2
92 103.7 84.0 126.0



#54
2,4-Dinitrophenol
Concen: 83.383 ng
RT: 14.527 min Scan# 1962
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion:184 Resp: 548918
Ion Ratio Lower Upper
184 100
63 49.1 39.8 59.6
154 56.4 46.1 69.1

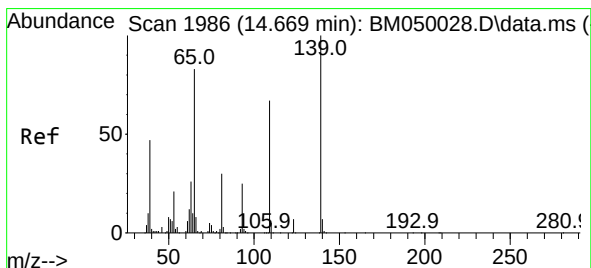
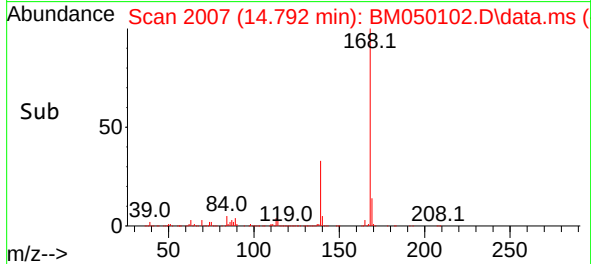
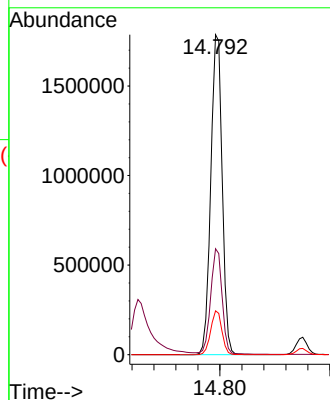
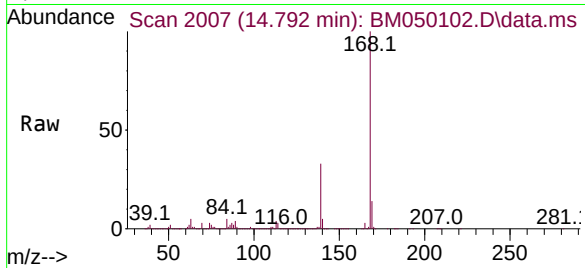




#55
Dibenzenofuran
Concen: 42.327 ng
RT: 14.792 min Scan# 2010
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

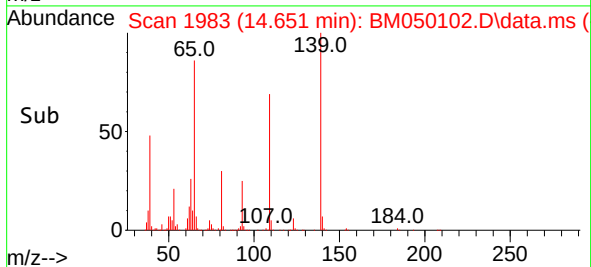
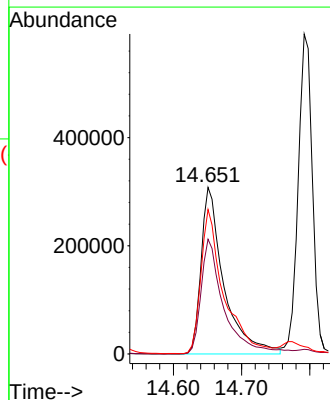
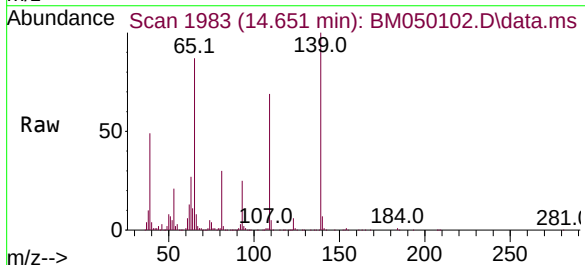
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMSD

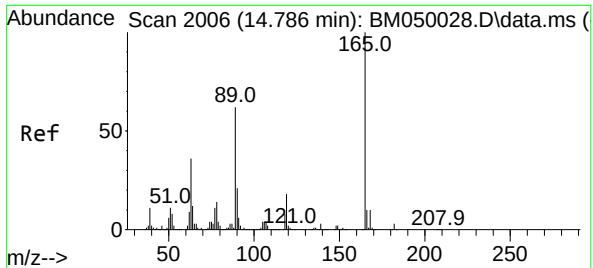
Tgt Ion:168 Resp: 2564349
Ion Ratio Lower Upper
168 100
139 33.1 26.1 39.1
169 13.7 10.8 16.2



#56
4-Nitrophenol
Concen: 89.353 ng
RT: 14.651 min Scan# 1983
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion:139 Resp: 716138
Ion Ratio Lower Upper
139 100
109 68.8 47.0 87.0
65 86.7 64.3 104.3

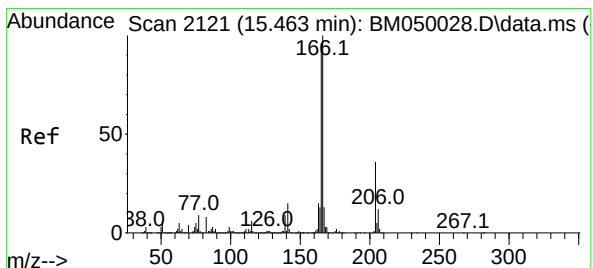
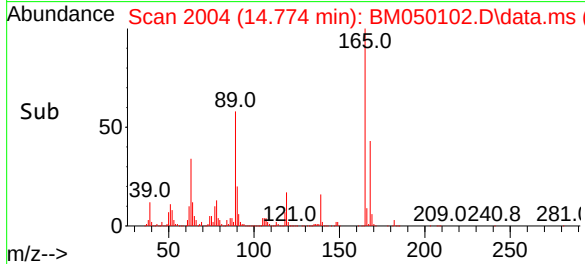
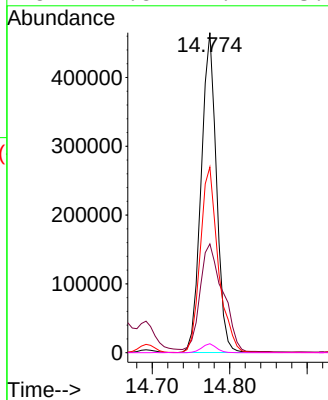
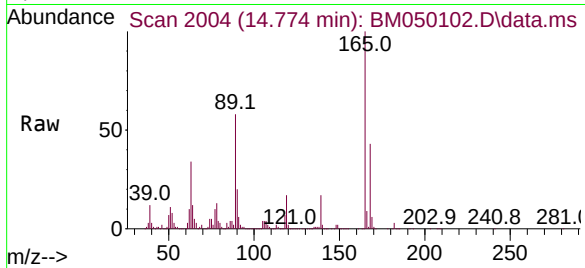




#57
2,4-Dinitrotoluene
Concen: 45.069 ng
RT: 14.774 min Scan# 20
Delta R.T. -0.012 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

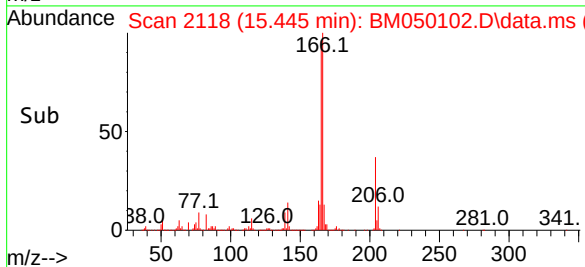
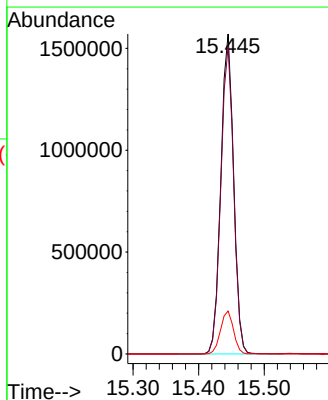
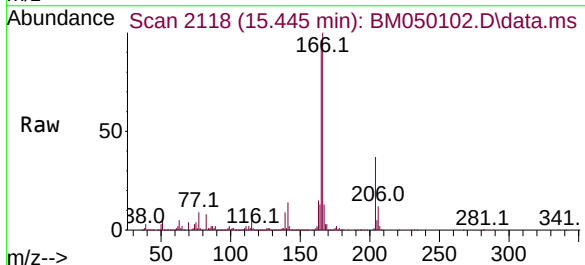
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMSD

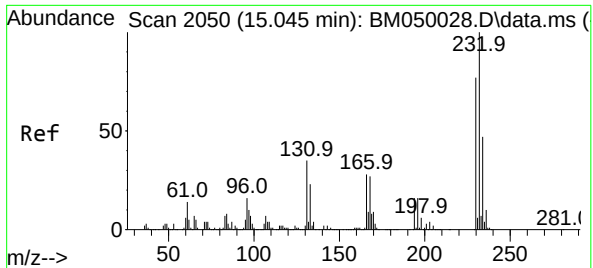
Tgt Ion:165 Resp: 638601
Ion Ratio Lower Upper
165 100
63 34.0 29.0 43.6
89 58.0 49.4 74.2
182 2.8 2.2 3.2



#58
Fluorene
Concen: 42.668 ng
RT: 15.445 min Scan# 2118
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion:166 Resp: 2115905
Ion Ratio Lower Upper
166 100
165 96.1 76.6 115.0
167 13.4 10.6 16.0

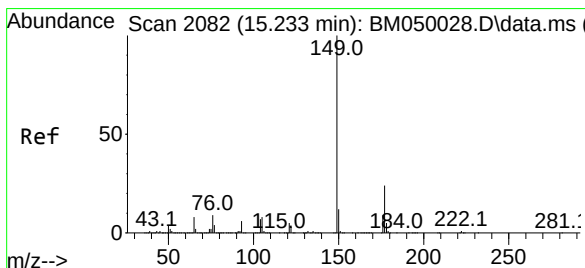
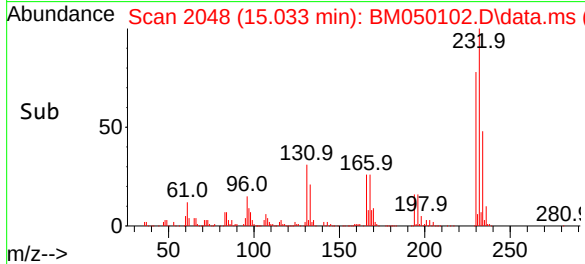
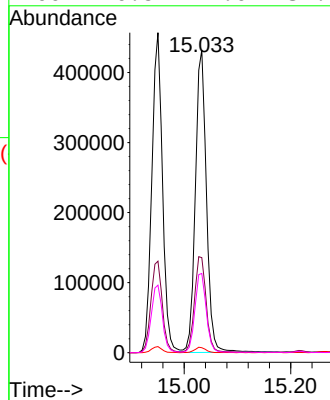
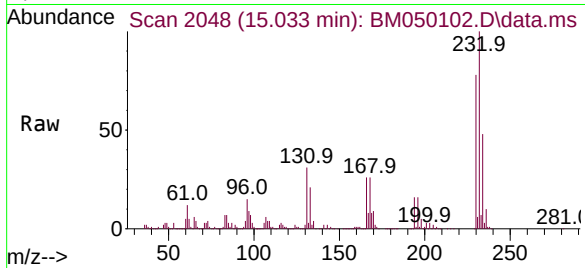




#59
2,3,4,6-Tetrachlorophenol
Concen: 45.001 ng
RT: 15.033 min Scan# 2048
Delta R.T. -0.012 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

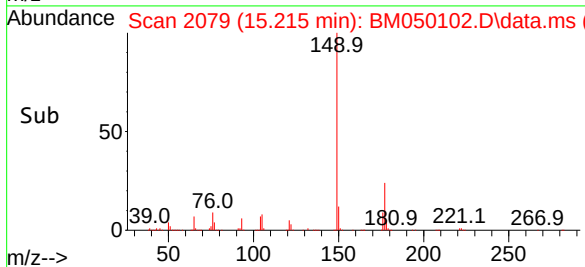
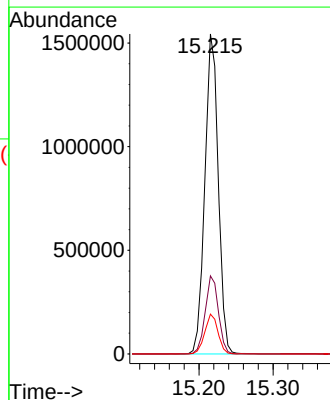
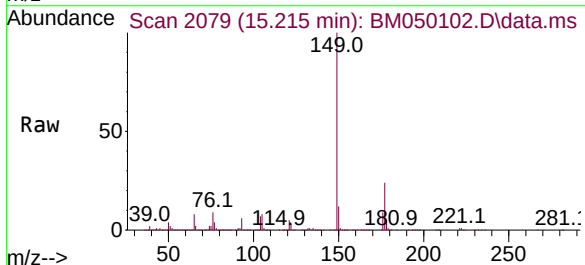
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMSD

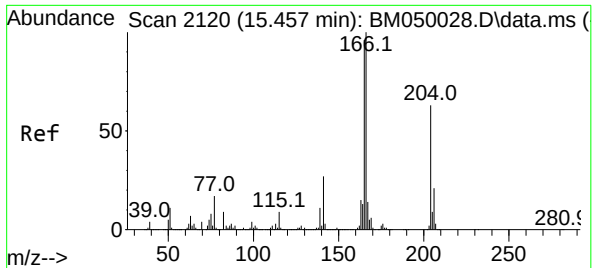
Tgt Ion:232 Resp: 625034
Ion Ratio Lower Upper
232 100
131 33.3 28.2 42.4
130 1.8 1.5 2.3
166 26.8 22.6 34.0



#60
Diethylphthalate
Concen: 41.567 ng
RT: 15.215 min Scan# 2079
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion:149 Resp: 1939860
Ion Ratio Lower Upper
149 100
177 24.4 19.1 28.7
150 12.4 9.6 14.4

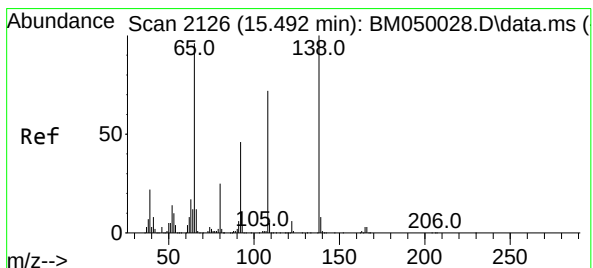
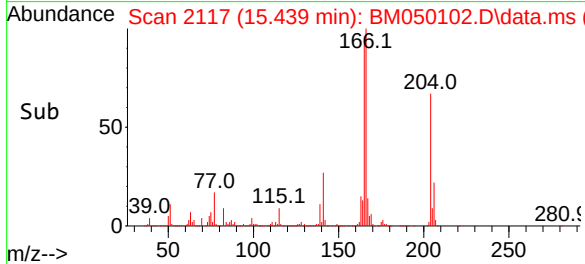
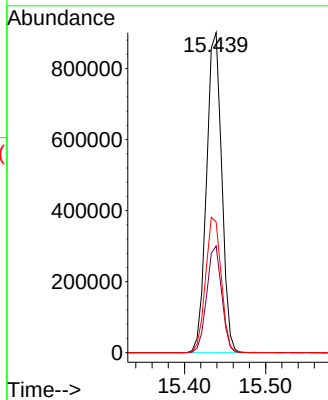
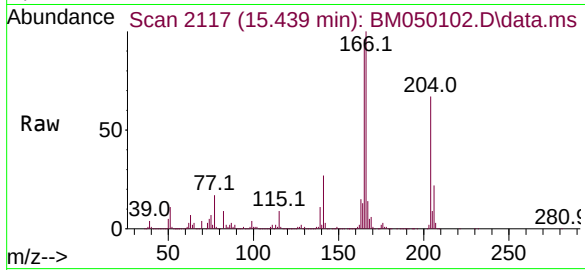




#61
4-Chlorophenyl-phenylether
Concen: 42.934 ng
RT: 15.439 min Scan# 2117
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

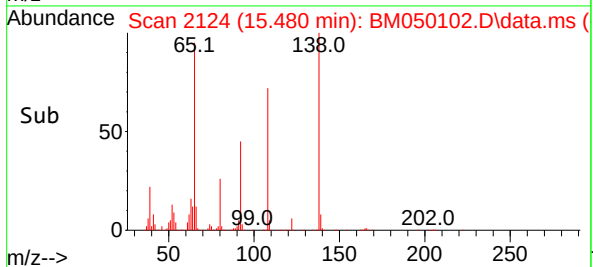
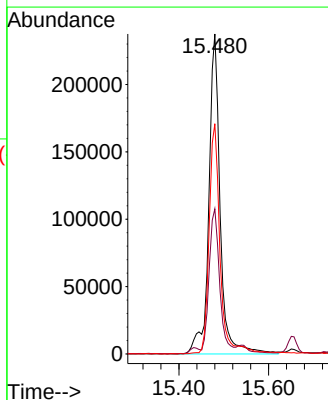
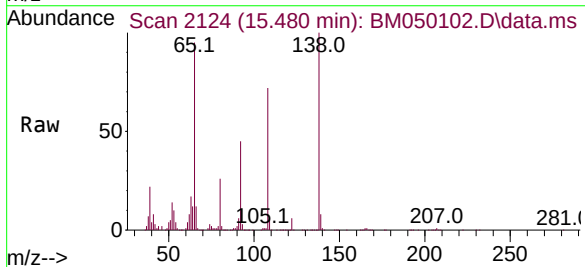
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMSD

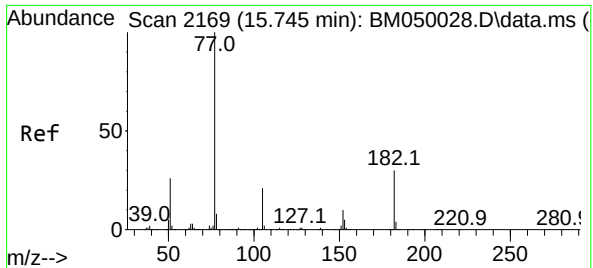
Tgt Ion:204 Resp: 1169405
Ion Ratio Lower Upper
204 100
206 33.4 26.3 39.5
141 40.9 34.0 51.0



#62
4-Nitroaniline
Concen: 44.274 ng
RT: 15.480 min Scan# 2124
Delta R.T. -0.012 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion:138 Resp: 418189
Ion Ratio Lower Upper
138 100
92 45.4 25.9 65.9
108 71.9 52.4 92.4

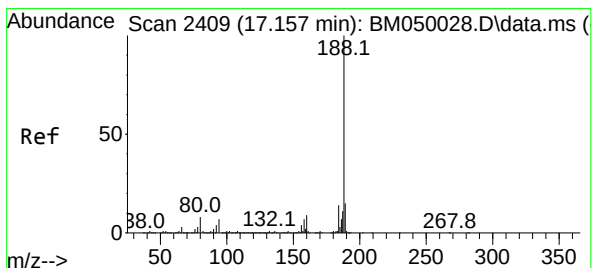
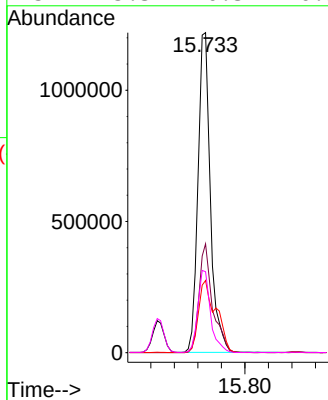
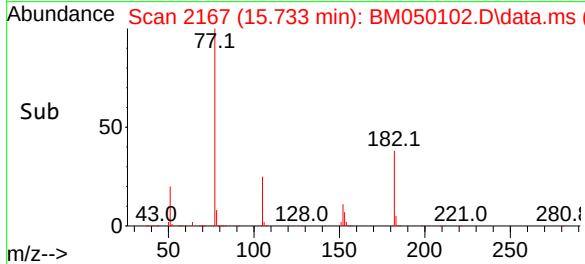
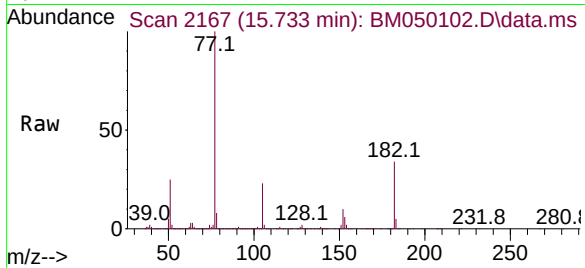




#63
Azobenzene
Concen: 45.668 ng
RT: 15.733 min Scan# 2167
Delta R.T. -0.012 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

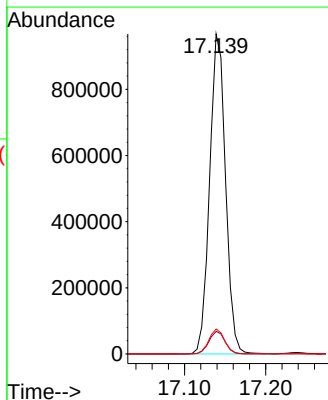
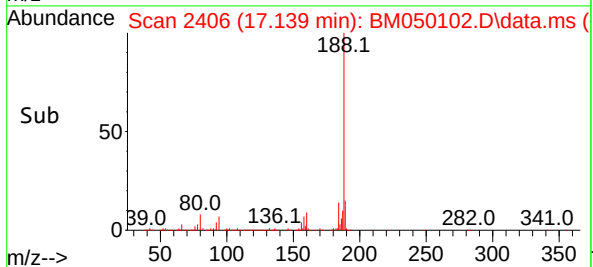
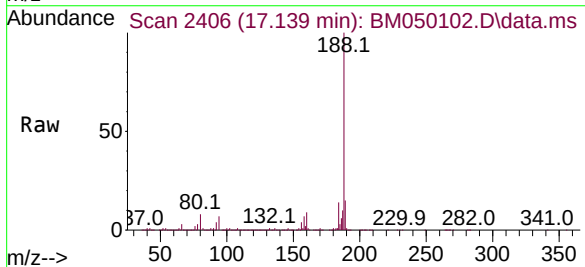
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMSD

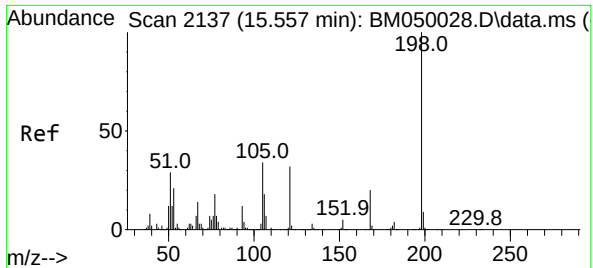
Tgt Ion: 77 Resp: 1786138
Ion Ratio Lower Upper
77 100
182 34.0 10.5 50.5
105 22.5 1.1 41.1
51 25.3 6.3 46.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.139 min Scan# 2406
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion:188 Resp: 1314656
Ion Ratio Lower Upper
188 100
94 7.1 5.7 8.5
80 7.8 6.2 9.4

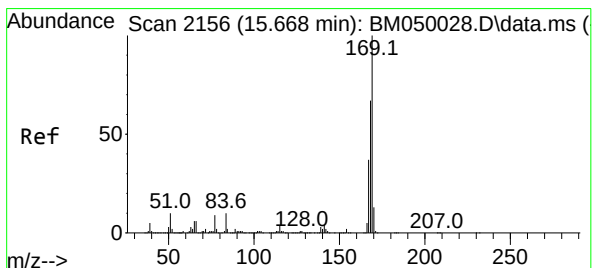
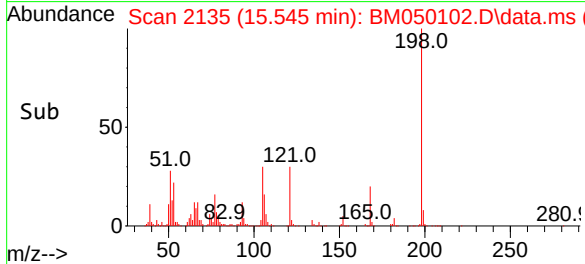
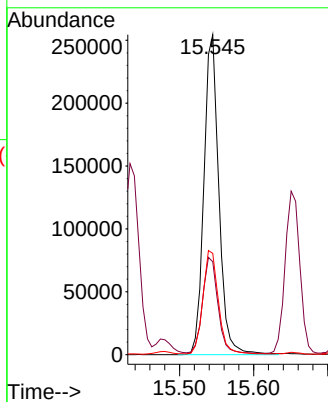
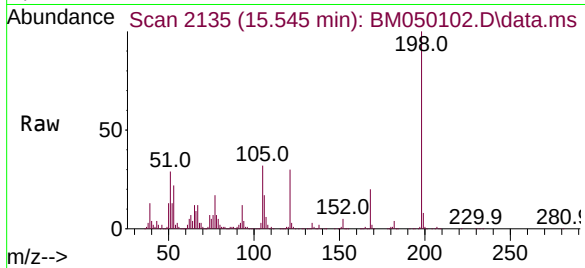




#65
4,6-Dinitro-2-methylphenol
Concen: 43.589 ng
RT: 15.545 min Scan# 2135
Delta R.T. -0.012 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

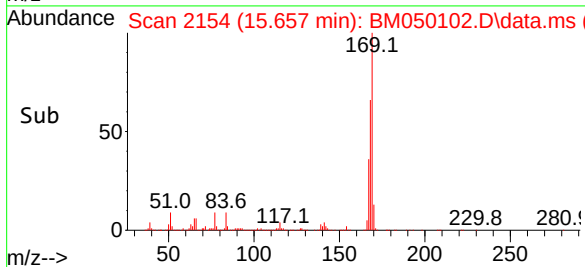
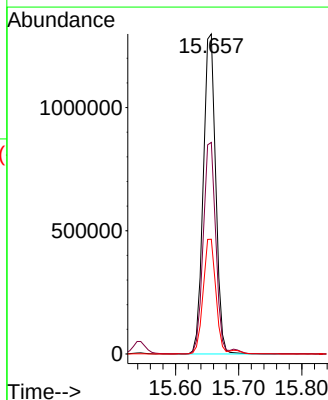
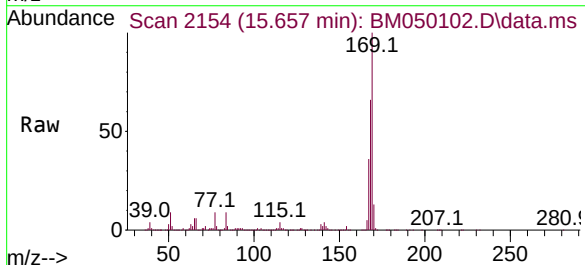
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMSD

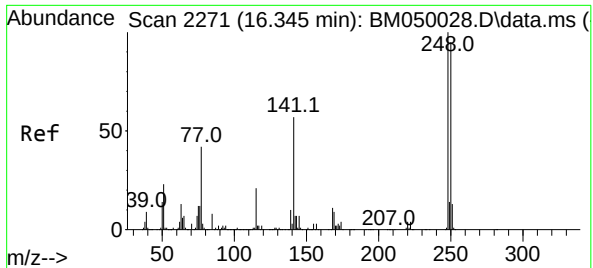
Tgt Ion:198 Resp: 358709
Ion Ratio Lower Upper
198 100
51 29.0 10.4 50.4
105 31.6 14.6 54.6



#66
n-Nitrosodiphenylamine
Concen: 43.910 ng
RT: 15.657 min Scan# 2154
Delta R.T. -0.012 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion:169 Resp: 1772627
Ion Ratio Lower Upper
169 100
168 66.1 53.4 80.2
167 35.8 29.4 44.0

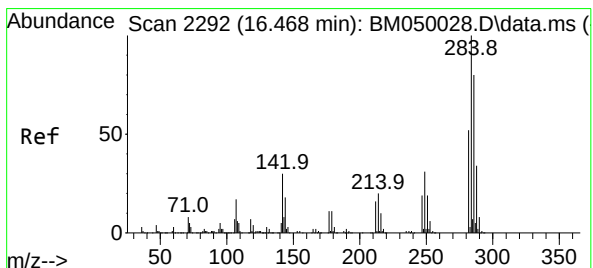
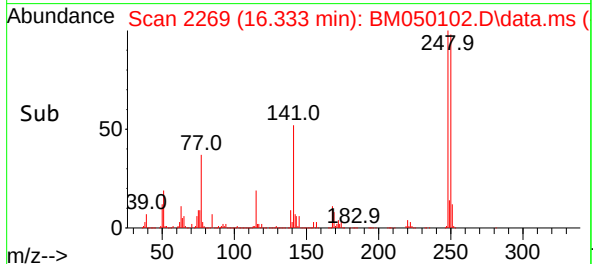
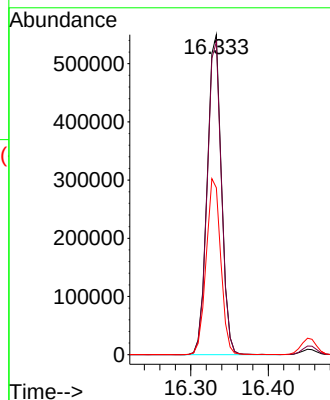
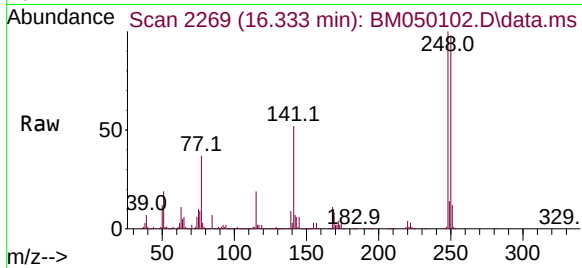




#67
4-Bromophenyl-phenylether
Concen: 44.053 ng
RT: 16.333 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

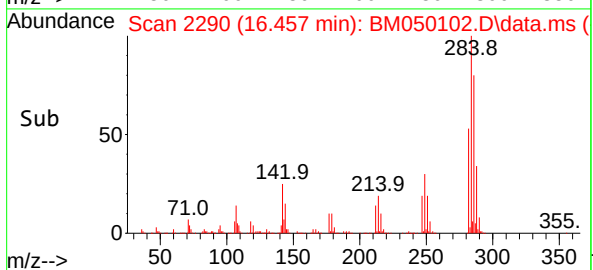
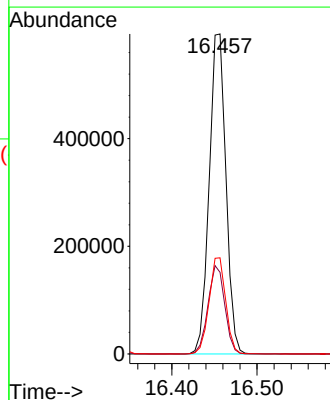
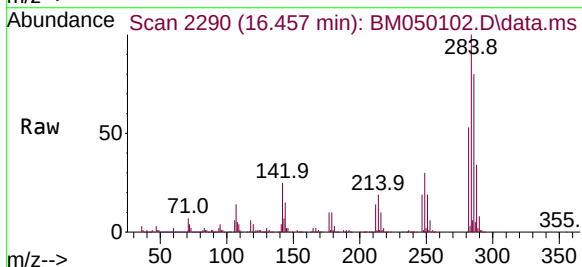
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMSD

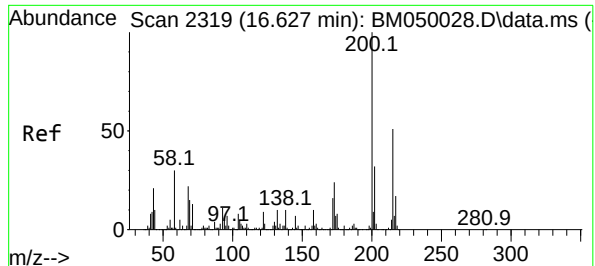
Tgt Ion:248 Resp: 700350
Ion Ratio Lower Upper
248 100
250 97.8 76.2 114.2
141 52.2 45.9 68.9



#68
Hexachlorobenzene
Concen: 44.321 ng
RT: 16.457 min Scan# 2290
Delta R.T. -0.012 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion:284 Resp: 812209
Ion Ratio Lower Upper
284 100
142 25.5 23.9 35.9
249 30.0 24.5 36.7





#69

Atrazine

Concen: 44.172 ng

RT: 16.609 min Scan# 21

Delta R.T. -0.018 min

Lab File: BM050102.D

Acq: 05 May 2025 17:00

Instrument :

BNA_M

ClientSampleId :

LARGE-PILE-CMSD

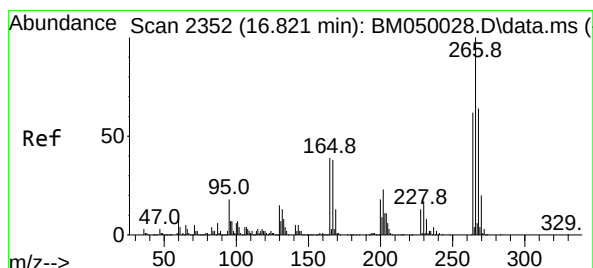
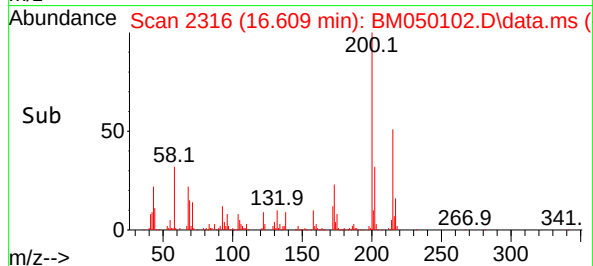
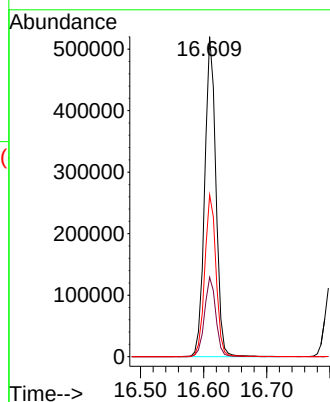
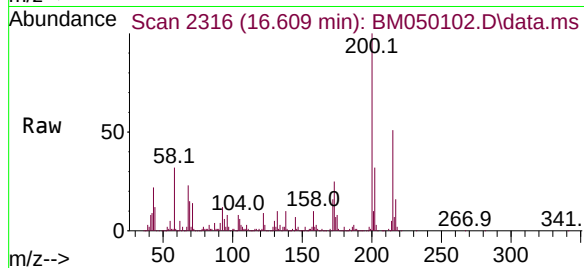
Tgt Ion:200 Resp: 643224

Ion Ratio Lower Upper

200 100

173 24.8 4.3 44.3

215 50.5 30.6 70.6



#70

Pentachlorophenol

Concen: 102.532 ng

RT: 16.804 min Scan# 2349

Delta R.T. -0.017 min

Lab File: BM050102.D

Acq: 05 May 2025 17:00

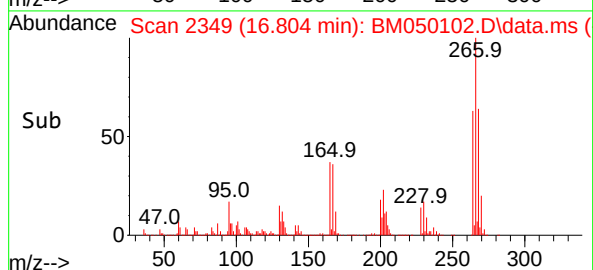
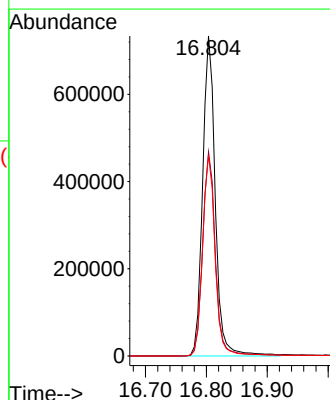
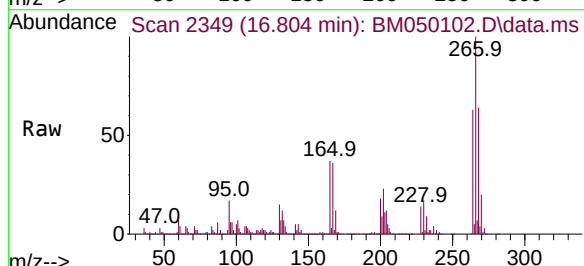
Tgt Ion:266 Resp: 1057643

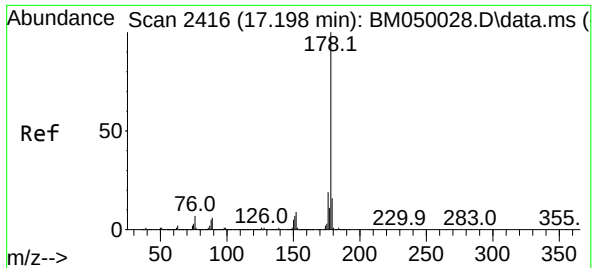
Ion Ratio Lower Upper

266 100

268 63.8 51.2 76.8

264 62.8 49.6 74.4

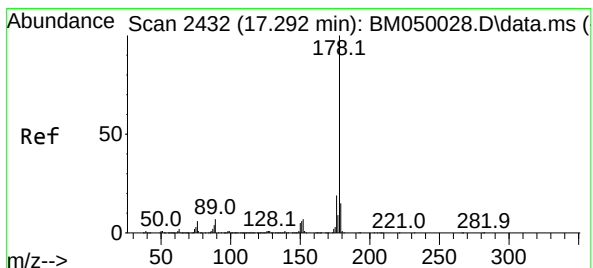
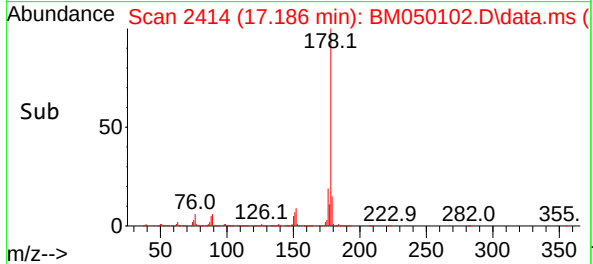
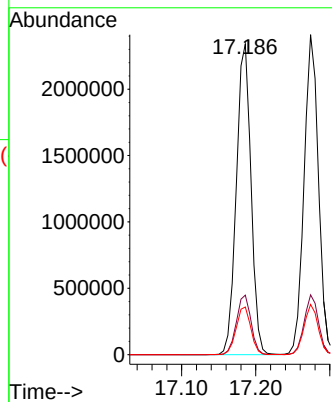
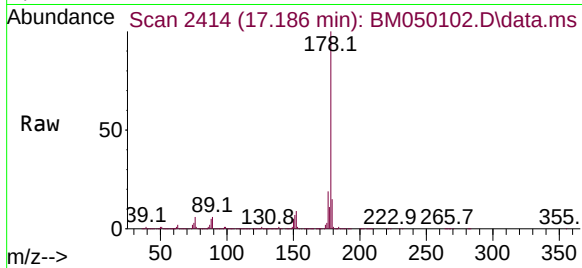




#71
Phenanthrene
Concen: 43.302 ng
RT: 17.186 min Scan# 2416
Delta R.T. -0.012 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

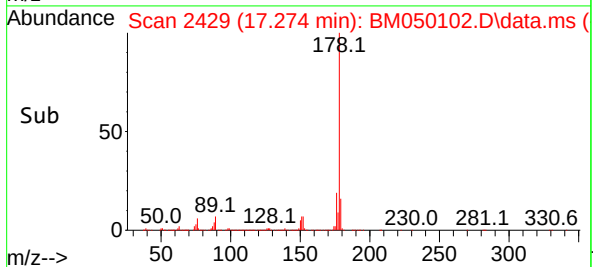
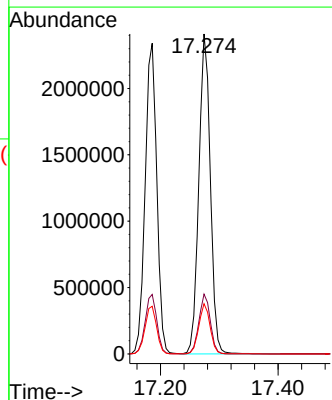
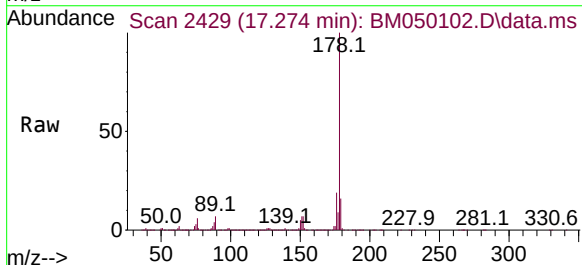
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMSD

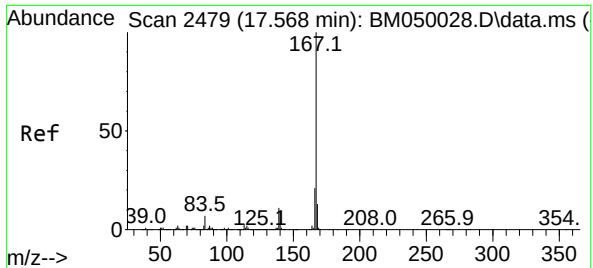
Tgt Ion:178 Resp: 3210759
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.4 12.4 18.6



#72
Anthracene
Concen: 43.495 ng
RT: 17.274 min Scan# 2429
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion:178 Resp: 3263741
Ion Ratio Lower Upper
178 100
176 18.7 15.0 22.4
179 15.7 12.2 18.4

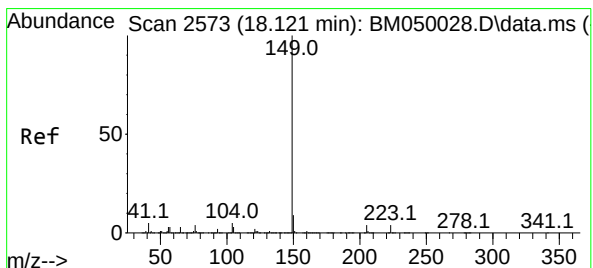
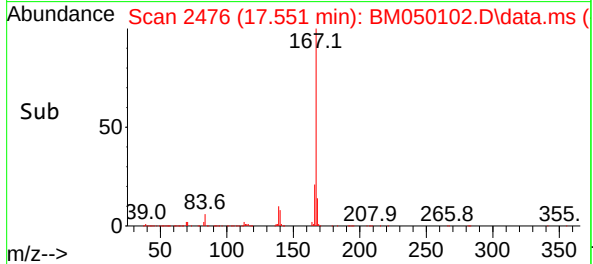
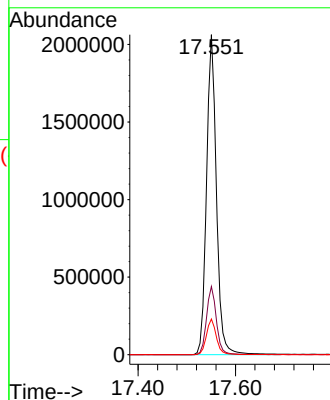
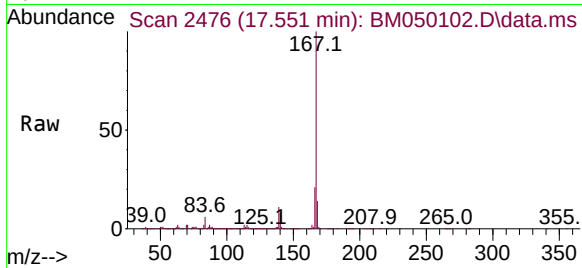




#73
Carbazole
Concen: 44.599 ng
RT: 17.551 min Scan# 2479
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

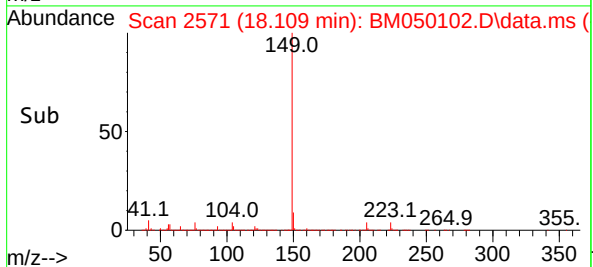
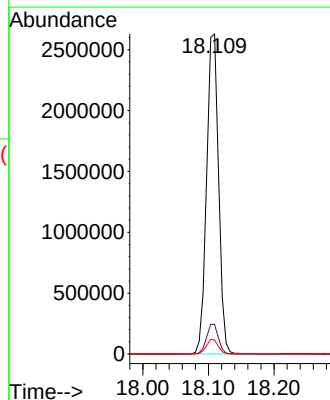
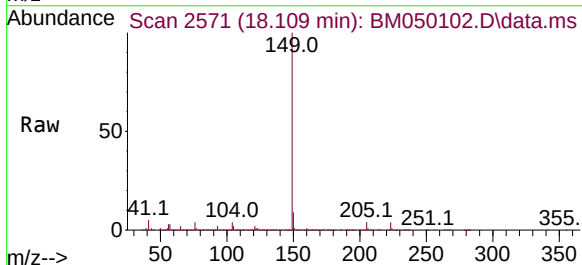
Instrument :
BNA_M
ClientSampleId :
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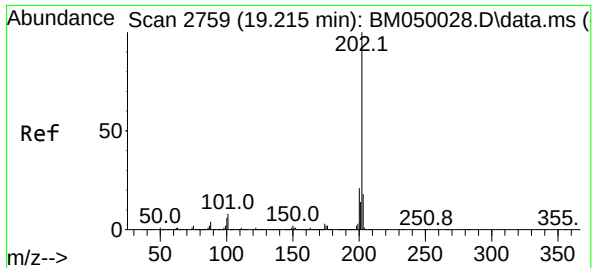
Tgt Ion:167 Resp: 2903966
Ion Ratio Lower Upper
167 100
166 21.3 17.2 25.8
139 11.1 9.0 13.6



#74
Di-n-butylphthalate
Concen: 43.180 ng
RT: 18.109 min Scan# 2571
Delta R.T. -0.012 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion:149 Resp: 3348299
Ion Ratio Lower Upper
149 100
150 9.2 7.3 10.9
104 4.3 3.8 5.6

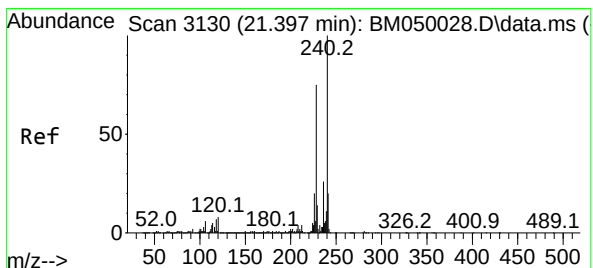
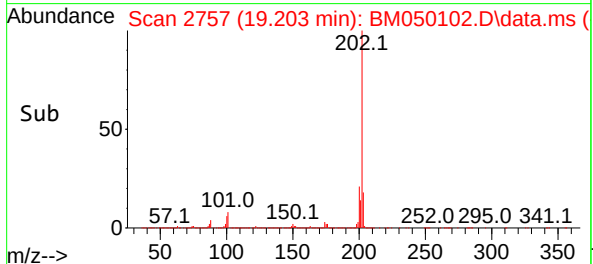
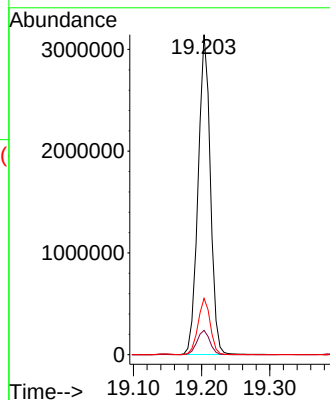
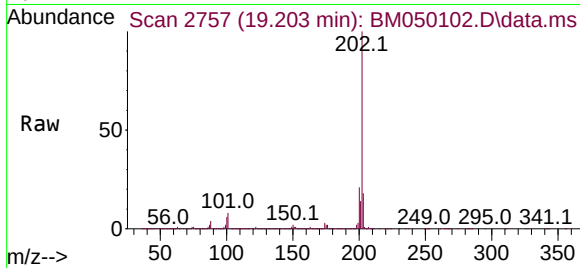




#75
Fluoranthene
Concen: 45.010 ng
RT: 19.203 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

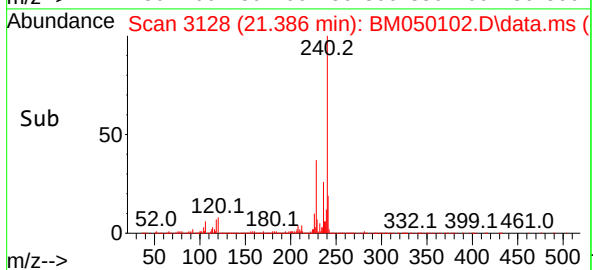
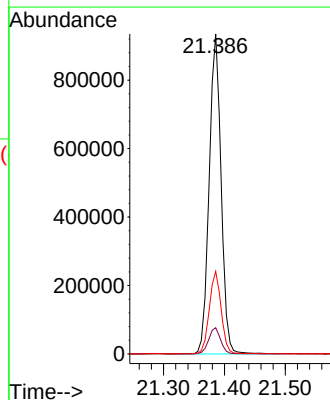
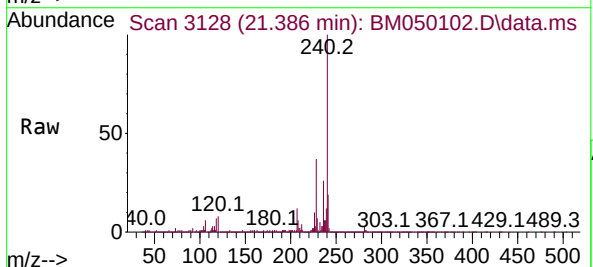
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMSD

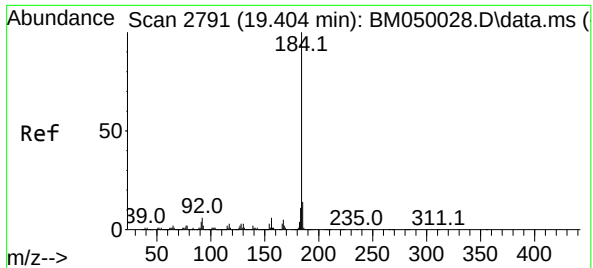
Tgt Ion:202 Resp: 3918338
Ion Ratio Lower Upper
202 100
101 7.6 0.0 28.0
203 17.6 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.386 min Scan# 3128
Delta R.T. -0.011 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion:240 Resp: 1271557
Ion Ratio Lower Upper
240 100
120 8.2 6.5 9.7
236 25.8 20.9 31.3

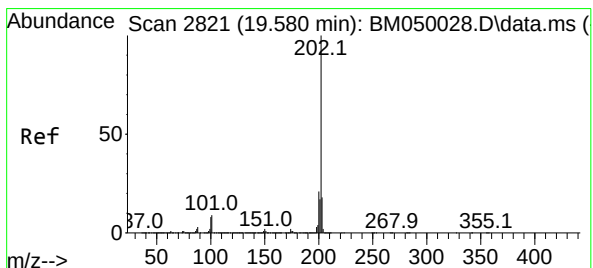
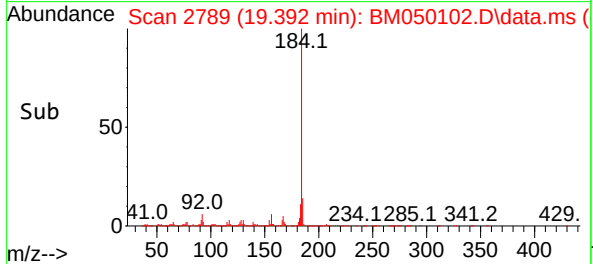
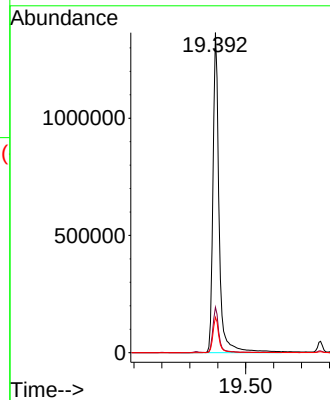
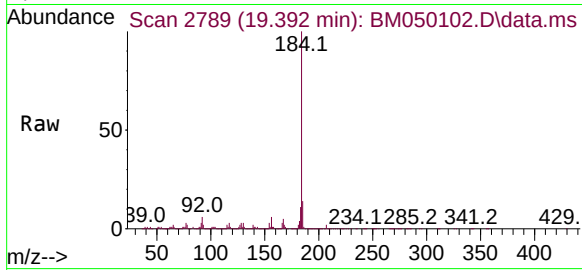




#77
Benzidine
Concen: 46.358 ng
RT: 19.392 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

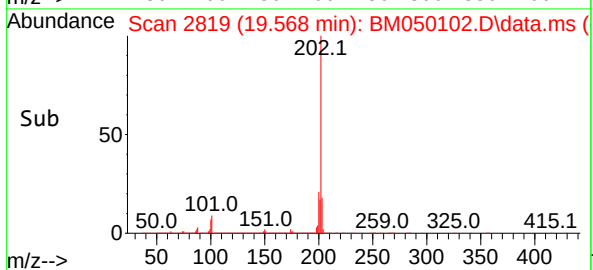
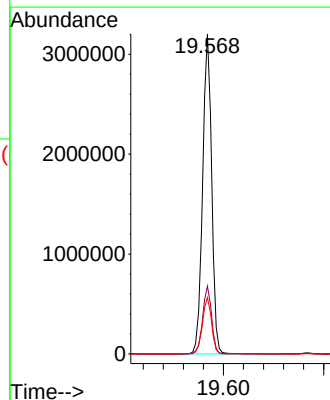
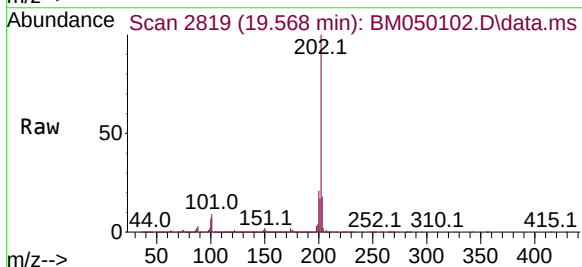
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMSD

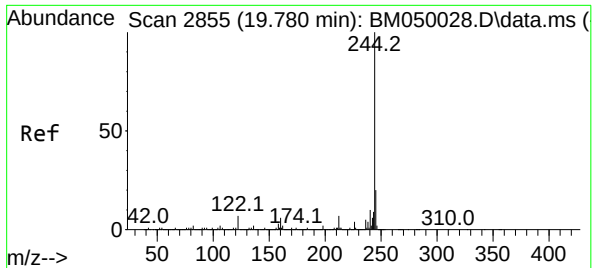
Tgt Ion:184 Resp: 2093846
Ion Ratio Lower Upper
184 100
185 14.2 11.5 17.3
183 11.1 8.9 13.3



#78
Pyrene
Concen: 44.773 ng
RT: 19.568 min Scan# 2819
Delta R.T. -0.012 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion:202 Resp: 3997921
Ion Ratio Lower Upper
202 100
200 21.2 16.7 25.1
203 17.6 14.1 21.1

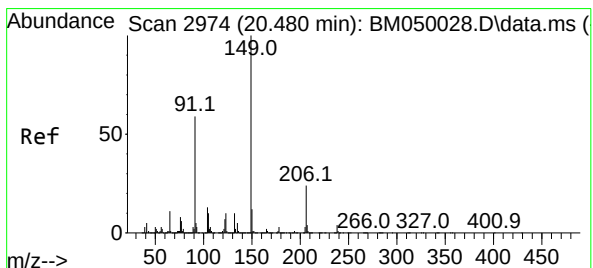
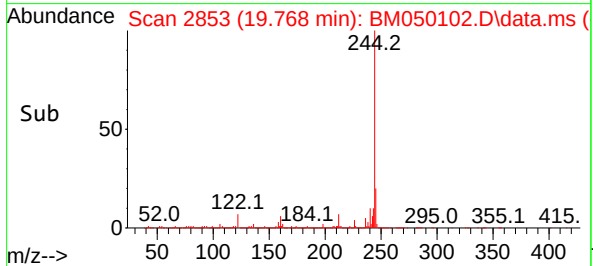
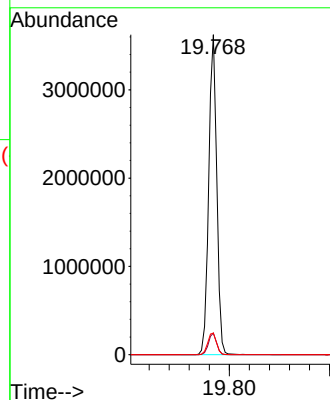
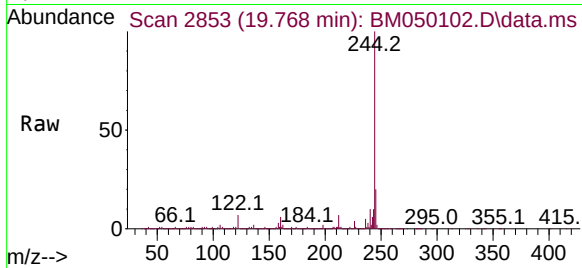




#79
Terphenyl-d14
Concen: 47.049 ng
RT: 19.768 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

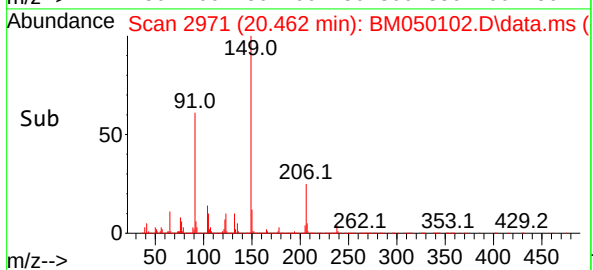
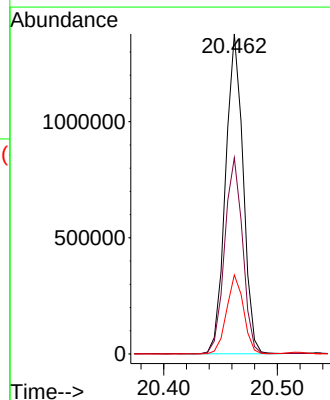
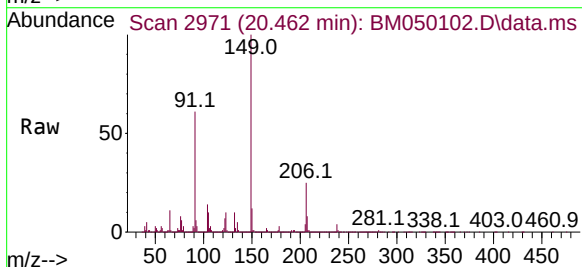
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMSD

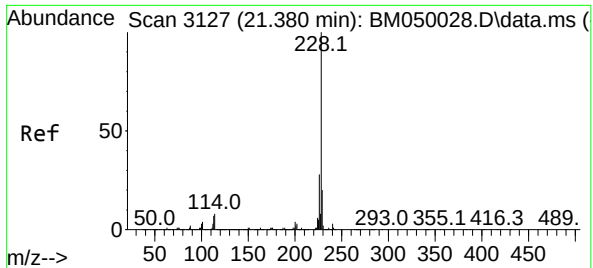
Tgt Ion:244 Resp: 4042956
Ion Ratio Lower Upper
244 100
212 6.7 5.6 8.4
122 6.7 5.6 8.4



#80
Butylbenzylphthalate
Concen: 44.311 ng
RT: 20.462 min Scan# 2971
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion:149 Resp: 1481929
Ion Ratio Lower Upper
149 100
91 61.3 47.4 71.2
206 24.7 19.4 29.0

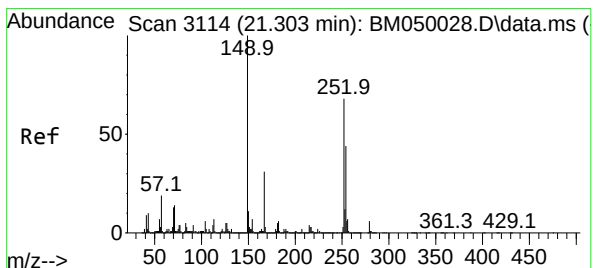
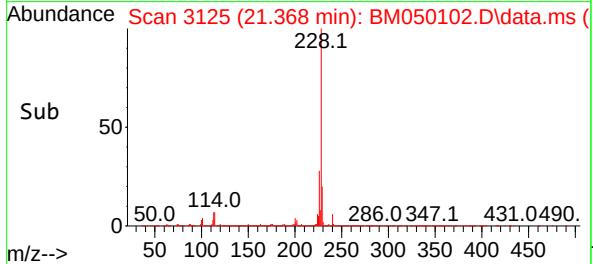
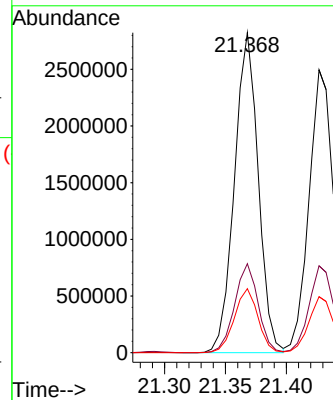
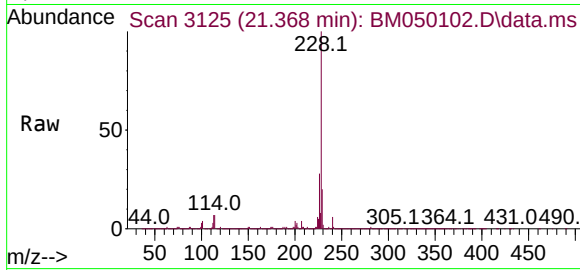




#81
Benzo(a)anthracene
Concen: 43.747 ng
RT: 21.368 min Scan# 3125
Delta R.T. -0.012 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

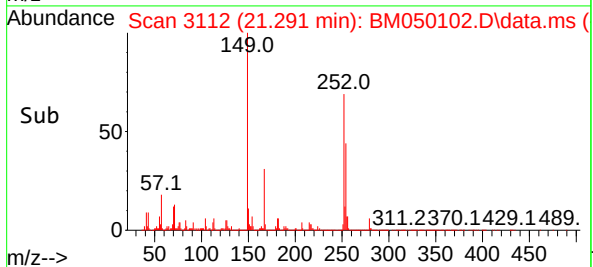
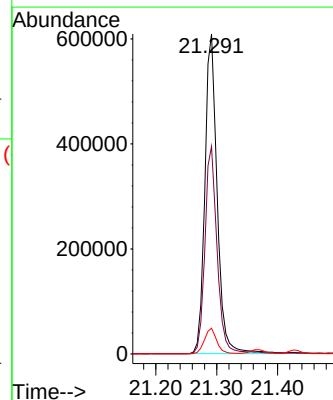
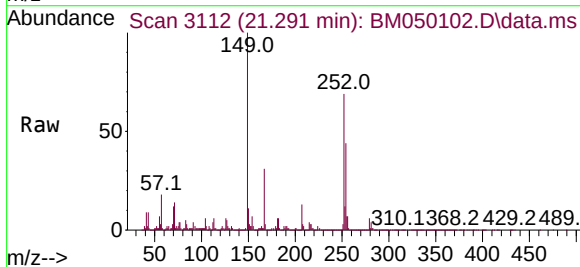
Instrument :
BNA_M
ClientSampleId :
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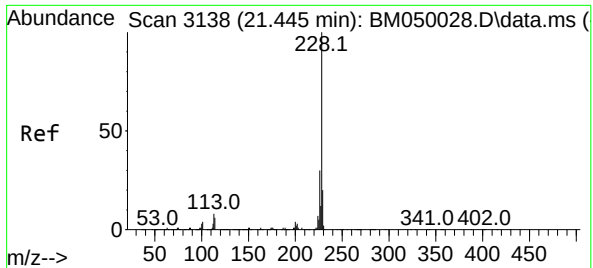
Tgt Ion:228 Resp: 3830639
Ion Ratio Lower Upper
228 100
226 27.8 22.1 33.1
229 20.0 15.7 23.5



#82
3,3'-Dichlorobenzidine
Concen: 25.539 ng
RT: 21.291 min Scan# 3112
Delta R.T. -0.012 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion:252 Resp: 856060
Ion Ratio Lower Upper
252 100
254 64.8 51.8 77.6
126 8.0 6.0 9.0

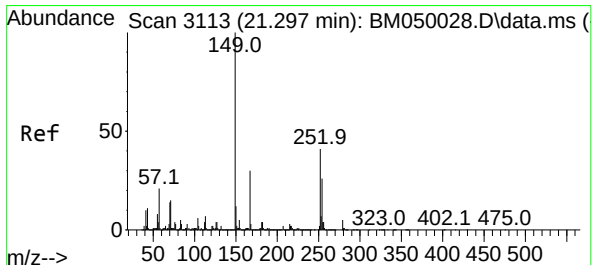
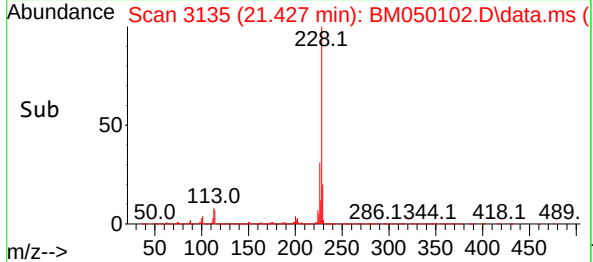
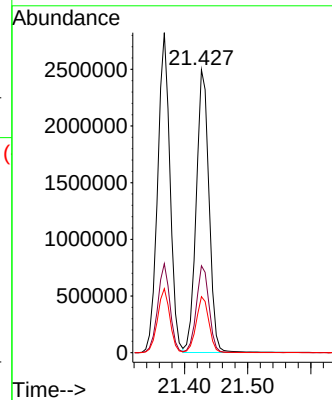
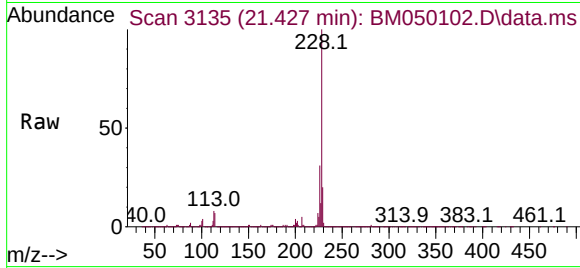




#83
Chrysene
Concen: 43.169 ng
RT: 21.427 min Scan# 3110
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

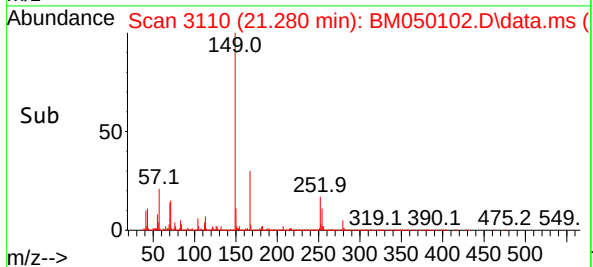
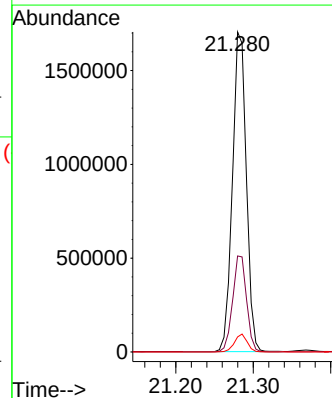
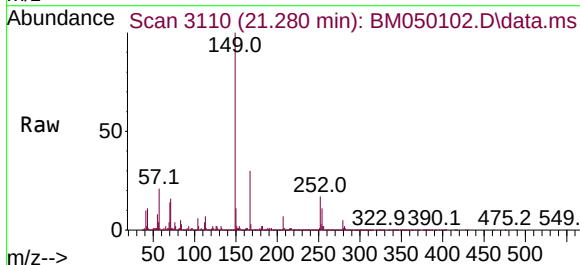
Instrument :
BNA_M
ClientSampleId :
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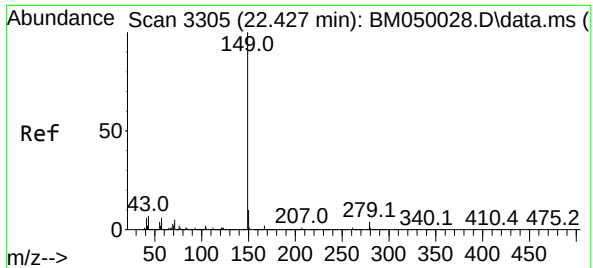
Tgt Ion:228 Resp: 3498440
Ion Ratio Lower Upper
228 100
226 30.7 24.2 36.2
229 19.8 15.7 23.5



#84
Bis(2-ethylhexyl)phthalate
Concen: 42.631 ng
RT: 21.280 min Scan# 3110
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion:149 Resp: 2129576
Ion Ratio Lower Upper
149 100
167 30.0 24.1 36.1
279 4.7 3.9 5.9

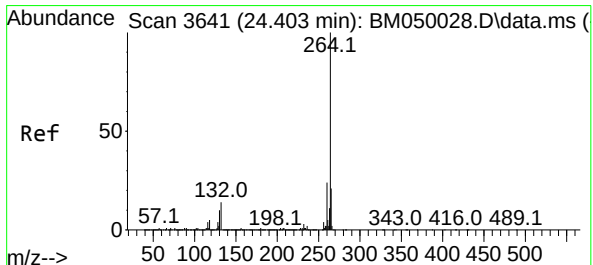
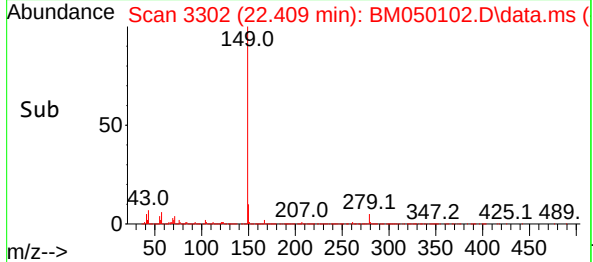
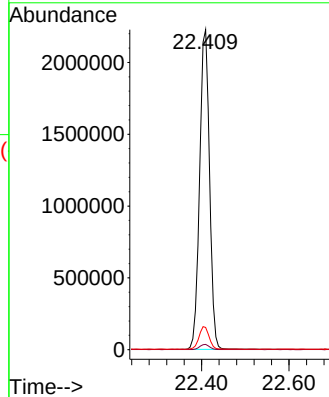
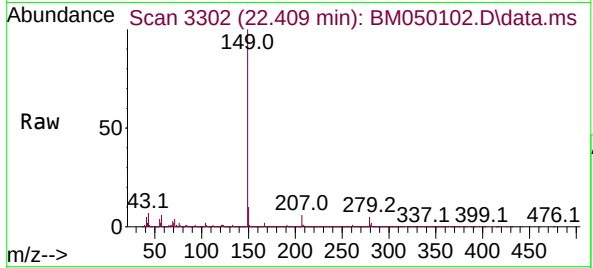




#85
Di-n-octyl phthalate
Concen: 42.493 ng
RT: 22.409 min Scan# 31
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

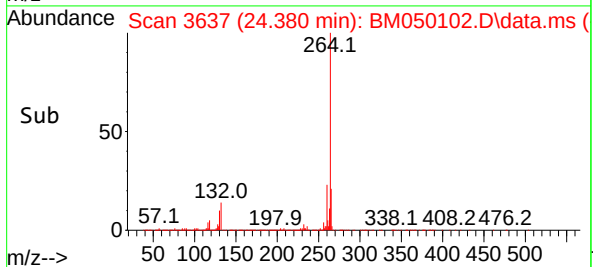
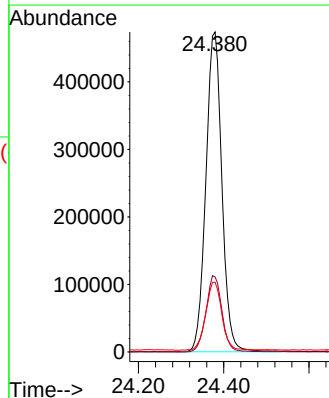
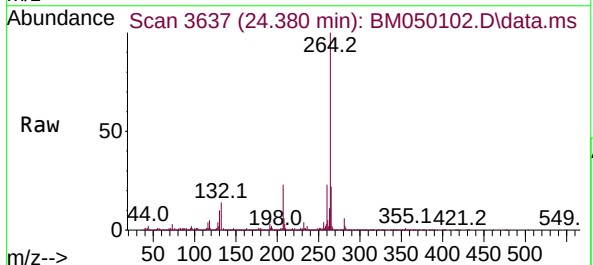
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BNA_M
ClientSampleId :
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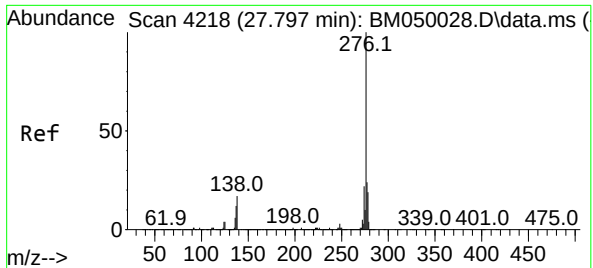
Tgt Ion:149 Resp: 3500630
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 7.1 5.8 8.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.380 min Scan# 3637
Delta R.T. -0.024 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion:264 Resp: 1236921
Ion Ratio Lower Upper
264 100
260 23.4 18.8 28.2
265 21.8 17.0 25.4

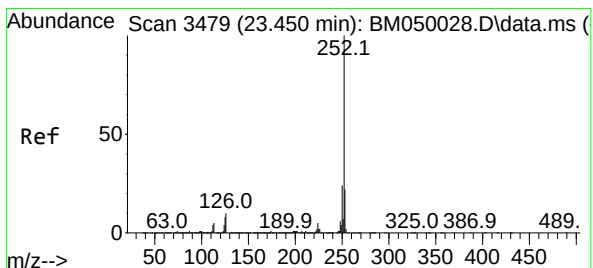
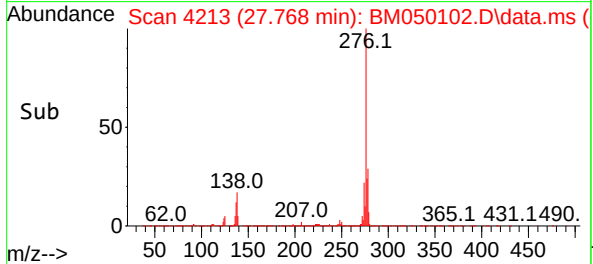
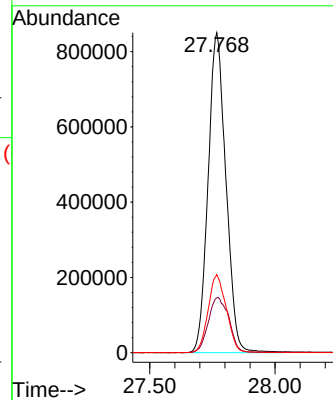
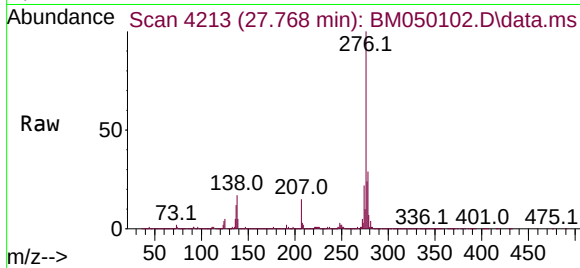




#87
Indeno(1,2,3-cd)pyrene
Concen: 45.499 ng
RT: 27.768 min Scan# 41
Delta R.T. -0.030 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

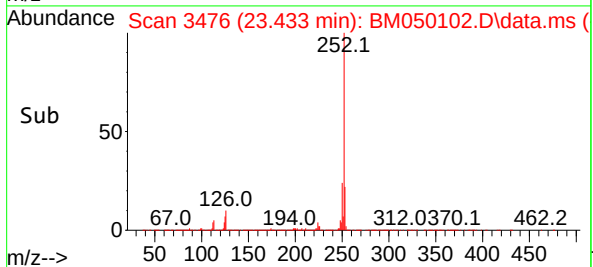
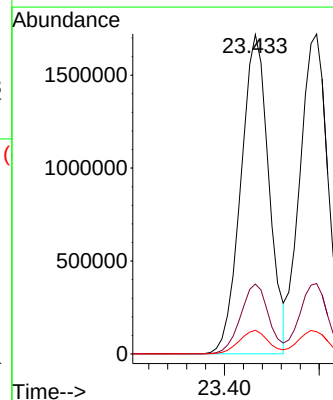
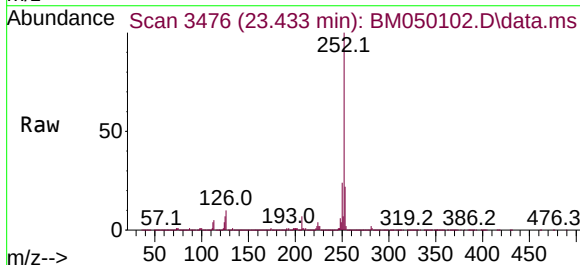
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BNA_M
ClientSampleId :
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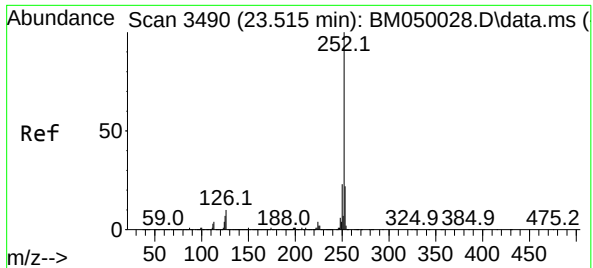
Tgt Ion:276 Resp: 4193498
Ion Ratio Lower Upper
276 100
138 19.9 16.4 24.6
277 24.9 19.8 29.8



#88
Benzo(b)fluoranthene
Concen: 43.939 ng
RT: 23.433 min Scan# 3476
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion:252 Resp: 3534464
Ion Ratio Lower Upper
252 100
253 21.9 17.7 26.5
125 7.4 6.1 9.1

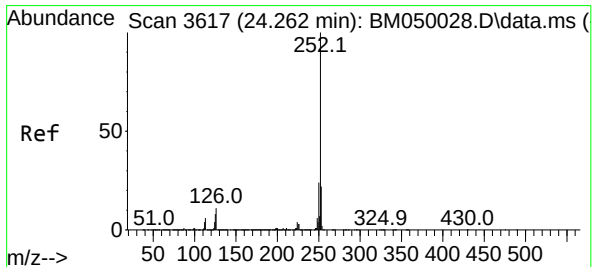
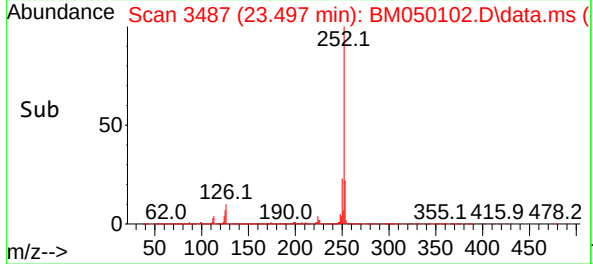
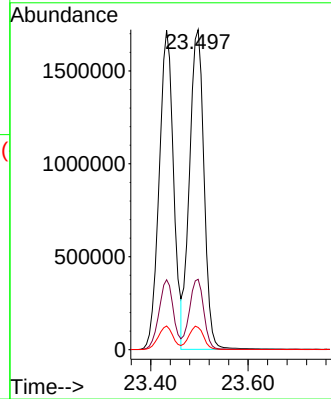
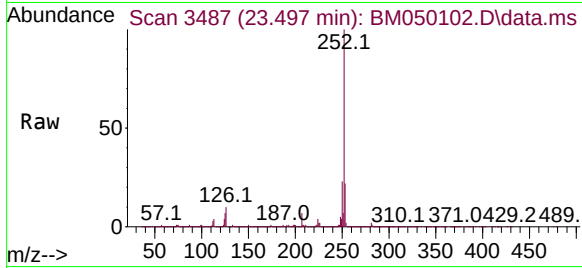




#89
Benzo(k)fluoranthene
Concen: 43.632 ng
RT: 23.497 min Scan# 34
Delta R.T. -0.018 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

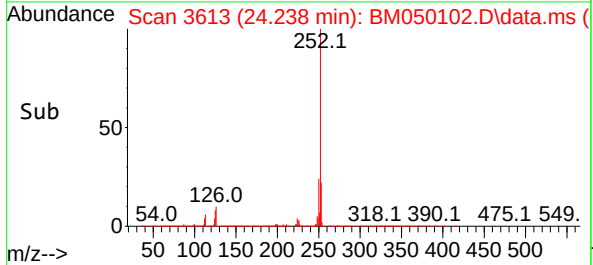
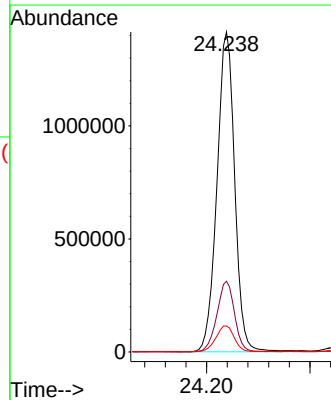
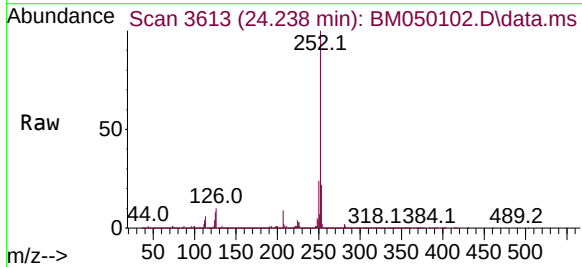
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BNA_M
ClientSampleId :
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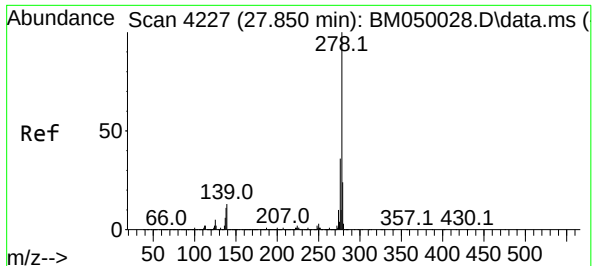
Tgt Ion:252 Resp: 3550274
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.2
125 7.0 5.8 8.8



#90
Benzo(a)pyrene
Concen: 44.556 ng
RT: 24.238 min Scan# 3613
Delta R.T. -0.024 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion:252 Resp: 3356901
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.0
125 8.1 6.6 9.8

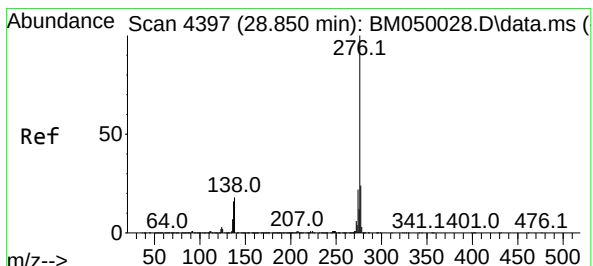
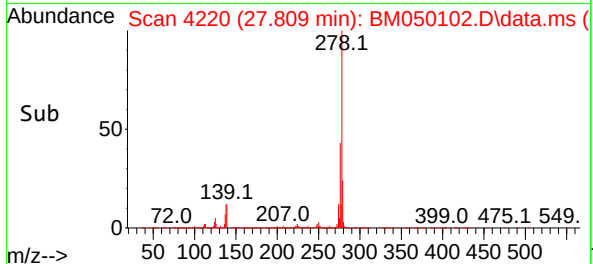
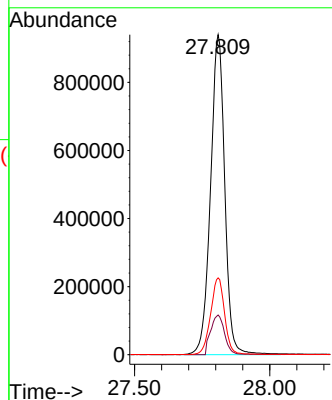
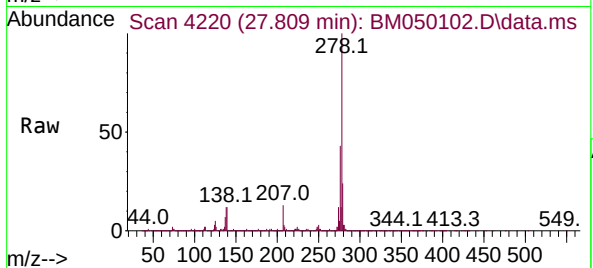




#91
Dibenzo(a,h)anthracene
Concen: 45.605 ng
RT: 27.809 min Scan# 41
Delta R.T. -0.041 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

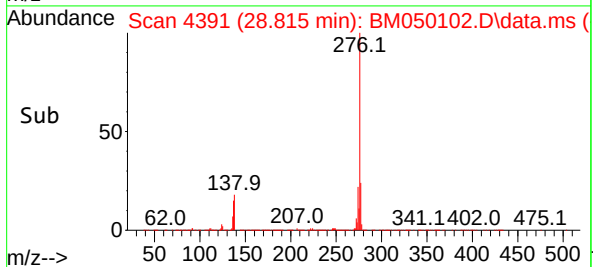
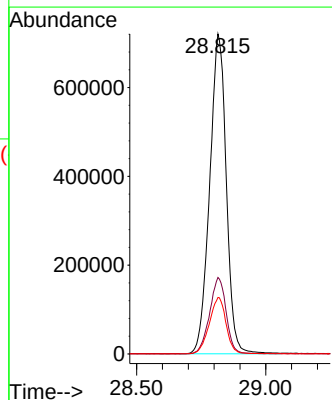
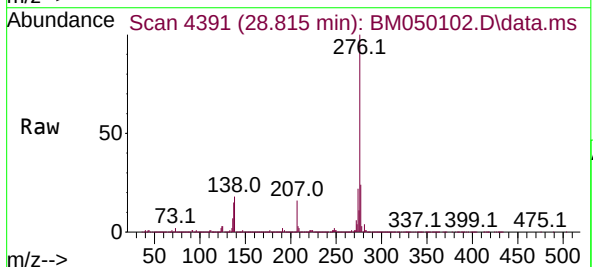
Instrument :
BNA_M
ClientSampleId :
LARGE-PILE-CMSD

Tgt Ion:278 Resp: 3426344
Ion Ratio Lower Upper
278 100
139 12.4 10.5 15.7
279 24.0 19.4 29.0



#92
Benzo(g,h,i)perylene
Concen: 44.663 ng
RT: 28.815 min Scan# 4391
Delta R.T. -0.035 min
Lab File: BM050102.D
Acq: 05 May 2025 17:00

Tgt Ion:276 Resp: 3212498
Ion Ratio Lower Upper
276 100
277 23.9 19.1 28.7
138 17.6 14.3 21.5



Manual Integration Report

Sequence:	BM042825	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BM050025.D	4-Nitroaniline	Rahul	4/29/2025 8:55:04 AM	Jagrut	4/29/2025 11:57:10 AM	Peak Integrated by Software
SSTDICC005	BM050025.D	Benzaldehyde	Rahul	4/29/2025 8:55:04 AM	Jagrut	4/29/2025 11:57:10 AM	Peak Integrated by Software
SSTDICC005	BM050025.D	Benzo(k)fluoranthene	Rahul	4/29/2025 8:55:04 AM	Jagrut	4/29/2025 11:57:10 AM	Peak Integrated by Software
SSTDICC005	BM050025.D	Caprolactam	Rahul	4/29/2025 8:55:04 AM	Jagrut	4/29/2025 11:57:10 AM	Peak Integrated by Software
SSTDICC010	BM050026.D	4-Nitroaniline	Rahul	4/29/2025 8:55:07 AM	Jagrut	4/29/2025 11:57:13 AM	Peak Integrated by Software
SSTDICC010	BM050026.D	Benzaldehyde	Rahul	4/29/2025 8:55:07 AM	Jagrut	4/29/2025 11:57:13 AM	Peak Integrated by Software
SSTDICC010	BM050026.D	Benzoic acid	Rahul	4/29/2025 8:55:07 AM	Jagrut	4/29/2025 11:57:13 AM	Peak Integrated by Software
SSTDICC020	BM050027.D	Benzoic acid	Rahul	4/29/2025 8:55:10 AM	Jagrut	4/29/2025 11:57:15 AM	Peak Integrated by Software
SSTDICV040	BM050032.D	Benzaldehyde	Rahul	4/29/2025 8:55:13 AM	Jagrut	4/29/2025 11:57:18 AM	Peak Integrated by Software



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

Manual Integration Report

Sequence:

BM050525

Instrument

BNA_m

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason



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

Manual Integration Report

Sequence:

bm050625

Instrument

BNA_m

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason



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

Manual Integration Report

Sequence:

bm050725

Instrument

BNA_m

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Instrument ID: **BNA_M**

Daily Analysis Runlog For Sequence/QC Batch ID # BM042825

Review By	Rahul	Review On	4/29/2025 8:56:26 AM		
Supervise By	Jagrut	Supervise On	4/29/2025 11:57:30 AM		
SubDirectory	BM042825	HP Acquire Method	BNA_M	HP Processing Method	BM042825
STD. NAME		STD REF.#			
Tune/Reschk		SP6757			
Initial Calibration Stds		SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729			
CCC		SP6725			
Internal Standard/PEM		S12661,10ul/1000ul sample			
ICV/I.BLK		SP6770			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM050023.D	28 Apr 2025 11:46	RC/JU	Ok
2	SSTDICC2.5	BM050024.D	28 Apr 2025 12:30	RC/JU	Ok
3	SSTDICC005	BM050025.D	28 Apr 2025 13:09	RC/JU	Ok,M
4	SSTDICC010	BM050026.D	28 Apr 2025 13:48	RC/JU	Ok,M
5	SSTDICC020	BM050027.D	28 Apr 2025 14:27	RC/JU	Ok,M
6	SSTDICCC040	BM050028.D	28 Apr 2025 15:06	RC/JU	Ok
7	SSTDICC050	BM050029.D	28 Apr 2025 15:45	RC/JU	Ok
8	SSTDICC060	BM050030.D	28 Apr 2025 16:24	RC/JU	Ok
9	SSTDICC080	BM050031.D	28 Apr 2025 17:04	RC/JU	Ok
10	SSTDICV040	BM050032.D	28 Apr 2025 17:43	RC/JU	Ok,M
11	PB167739BL	BM050033.D	28 Apr 2025 19:40	RC/JU	Not Ok

M : Manual Integration

Instrument ID: **BNA_M**

Daily Analysis Runlog For Sequence/QC Batch ID # BM050525

Review By	Rahul	Review On	5/6/2025 9:57:21 AM
Supervise By	Jagrut	Supervise On	5/6/2025 10:52:32 AM
SubDirectory	BM050525	HP Acquire Method	BNA_M
		HP Processing Method	BM042825
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729		
CCC	SP6725		
Internal Standard/PEM	S12662,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM050095.D	05 May 2025 11:39	RC/JU	Ok
2	SSTDCCC040	BM050096.D	05 May 2025 12:18	RC/JU	Ok
3	PB167815TB	BM050097.D	05 May 2025 12:57	RC/JU	Ok
4	Q1907-01DL	BM050098.D	05 May 2025 13:40	RC/JU	Ok,M
5	Q1914-12	BM050099.D	05 May 2025 15:03	RC/JU	Ok
6	Q1937-05	BM050100.D	05 May 2025 15:42	RC/JU	Ok
7	Q1937-05MS	BM050101.D	05 May 2025 16:21	RC/JU	Ok
8	Q1937-05MSD	BM050102.D	05 May 2025 17:00	RC/JU	Ok
9	Q1947-01	BM050103.D	05 May 2025 17:39	RC/JU	Ok
10	Q1936-03	BM050104.D	05 May 2025 18:18	RC/JU	Ok
11	Q1951-01	BM050105.D	05 May 2025 18:58	RC/JU	Ok
12	Q1914-06	BM050106.D	05 May 2025 19:37	RC/JU	Ok
13	Q1914-04	BM050107.D	05 May 2025 20:16	RC/JU	Ok,M
14	Q1922-01	BM050108.D	05 May 2025 20:55	RC/JU	Ok
15	Q1935-05	BM050109.D	05 May 2025 21:34	RC/JU	Ok
16	Q1933-01	BM050110.D	05 May 2025 22:14	RC/JU	Ok,M

M : Manual Integration

Instrument ID: **BNA_M**

Daily Analysis Runlog For Sequence/QC Batch ID # BM050625

Review By	Rahul	Review On	5/7/2025 10:38:02 AM		
Supervise By	Jagrut	Supervise On	5/7/2025 1:27:23 PM		
SubDirectory	BM050625	HP Acquire Method	BNA_M	HP Processing Method	BM042825
STD. NAME		STD REF.#			
Tune/Reschk		SP6757			
Initial Calibration Stds		SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729			
CCC		SP6725			
Internal Standard/PEM		S12662,10ul/1000ul sample			
ICV/I.BLK		SP6770			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM050111.D	06 May 2025 09:24	RC/JU	Ok
2	SSTDCCC040	BM050112.D	06 May 2025 10:03	RC/JU	Ok
3	PB167857BL	BM050113.D	06 May 2025 10:42	RC/JU	Ok
4	PB167857BS	BM050114.D	06 May 2025 11:21	RC/JU	Ok
5	Q1938-05	BM050115.D	06 May 2025 12:04	RC/JU	Ok
6	Q1938-07	BM050116.D	06 May 2025 12:44	RC/JU	Ok
7	Q1937-11	BM050117.D	06 May 2025 13:23	RC/JU	Ok
8	Q1947-05	BM050118.D	06 May 2025 14:02	RC/JU	Ok
9	Q1937-09	BM050119.D	06 May 2025 14:41	RC/JU	Ok
10	Q1938-03	BM050120.D	06 May 2025 15:20	RC/JU	Ok
11	Q1952-01	BM050121.D	06 May 2025 15:59	RC/JU	Dilution
12	Q1951-04	BM050122.D	06 May 2025 16:38	RC/JU	Ok
13	Q1956-05	BM050123.D	06 May 2025 17:18	RC/JU	Ok
14	Q1938-01	BM050124.D	06 May 2025 17:57	RC/JU	Not Ok
15	Q1960-02	BM050125.D	06 May 2025 18:36	RC/JU	Ok
16	Q1961-01	BM050126.D	06 May 2025 19:15	RC/JU	Ok
17	Q1962-01	BM050127.D	06 May 2025 19:54	RC/JU	Ok

M : Manual Integration

Instrument ID: **BNA_M**

Daily Analysis Runlog For Sequence/QC Batch ID # BM050725

Review By	Rahul	Review On	5/8/2025 9:31:30 AM
Supervise By	Jagrut	Supervise On	5/8/2025 11:19:09 AM
SubDirectory	BM050725	HP Acquire Method	BNA_M
		HP Processing Method	BM042825
STD. NAME	STD REF.#		
Tune/Reschk	SP6757		
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729		
CCC	SP6725		
Internal Standard/PEM	S12663,10ul/1000ul sample		
ICV/I.BLK	SP6770		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM050128.D	07 May 2025 09:17	RC/JU	Ok
2	SSTDCCC040	BM050129.D	07 May 2025 09:56	RC/JU	Ok
3	PB167879BL	BM050130.D	07 May 2025 10:35	RC/JU	Ok
4	PB167879BS	BM050131.D	07 May 2025 11:14	RC/JU	Ok,M
5	Q1952-01DL	BM050132.D	07 May 2025 12:33	RC/JU	Ok,M
6	Q1938-01	BM050133.D	07 May 2025 13:12	RC/JU	Ok
7	Q1945-01	BM050134.D	07 May 2025 14:26	RC/JU	Dilution
8	Q1945-02	BM050135.D	07 May 2025 15:05	RC/JU	Dilution
9	Q1956-07	BM050136.D	07 May 2025 15:44	RC/JU	Ok
10	Q1945-01DL	BM050137.D	07 May 2025 16:24	RC/JU	Ok,M
11	Q1945-02DL	BM050138.D	07 May 2025 17:03	RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QC Batch ID # BM042825

Review By	Rahul	Review On	4/29/2025 8:56:26 AM
Supervise By	Jagrut	Supervise On	4/29/2025 11:57:30 AM
SubDirectory	BM042825	HP Acquire Method	BNA_M
		HP Processing Method	BM042825

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12661,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BM050023.D	28 Apr 2025 11:46		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BM050024.D	28 Apr 2025 12:30		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BM050025.D	28 Apr 2025 13:09	Compound#32-41-54-56-65-70-7 7 removed from 5 ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BM050026.D	28 Apr 2025 13:48		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BM050027.D	28 Apr 2025 14:27		RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BM050028.D	28 Apr 2025 15:06	Compound#54 & 56 Kept on LR	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BM050029.D	28 Apr 2025 15:45		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BM050030.D	28 Apr 2025 16:24		RC/JU	Ok
9	SSTDICC080	SSTDICC080	BM050031.D	28 Apr 2025 17:04		RC/JU	Ok
10	SSTDICV040	ICVBM042825	BM050032.D	28 Apr 2025 17:43		RC/JU	Ok,M
11	PB167739BL	PB167739BL	BM050033.D	28 Apr 2025 19:40	Analyzed for contamination check	RC/JU	Not Ok

M : Manual Integration

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QC Batch ID # BM050525

Review By	Rahul	Review On	5/6/2025 9:57:21 AM
Supervise By	Jagrut	Supervise On	5/6/2025 10:52:32 AM
SubDirectory	BM050525	HP Acquire Method	BNA_M
		HP Processing Method	BM042825

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12662,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BM050095.D	05 May 2025 11:39		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BM050096.D	05 May 2025 12:18		RC/JU	Ok
3	PB167815TB	PB167815TB	BM050097.D	05 May 2025 12:57		RC/JU	Ok
4	Q1907-01DL	CO-8R-WCDL	BM050098.D	05 May 2025 13:40		RC/JU	Ok,M
5	Q1914-12	SS-9	BM050099.D	05 May 2025 15:03		RC/JU	Ok
6	Q1937-05	LARGE-PILE-C	BM050100.D	05 May 2025 15:42		RC/JU	Ok
7	Q1937-05MS	LARGE-PILE-CMS	BM050101.D	05 May 2025 16:21		RC/JU	Ok
8	Q1937-05MSD	LARGE-PILE-CMSD	BM050102.D	05 May 2025 17:00		RC/JU	Ok
9	Q1947-01	MH-P	BM050103.D	05 May 2025 17:39		RC/JU	Ok
10	Q1936-03	SMALL-PILE-B	BM050104.D	05 May 2025 18:18		RC/JU	Ok
11	Q1951-01	MH-KK	BM050105.D	05 May 2025 18:58		RC/JU	Ok
12	Q1914-06	SS-5	BM050106.D	05 May 2025 19:37		RC/JU	Ok
13	Q1914-04	SS-3	BM050107.D	05 May 2025 20:16		RC/JU	Ok,M
14	Q1922-01	MH-R	BM050108.D	05 May 2025 20:55		RC/JU	Ok
15	Q1935-05	MH-MM	BM050109.D	05 May 2025 21:34		RC/JU	Ok
16	Q1933-01	OK-01-050125	BM050110.D	05 May 2025 22:14		RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QC Batch ID # BM050625

Review By	Rahul	Review On	5/7/2025 10:38:02 AM
Supervise By	Jagrut	Supervise On	5/7/2025 1:27:23 PM
SubDirectory	BM050625	HP Acquire Method	BNA_M
		HP Processing Method	BM042825

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12662,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BM050111.D	06 May 2025 09:24		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BM050112.D	06 May 2025 10:03		RC/JU	Ok
3	PB167857BL	PB167857BL	BM050113.D	06 May 2025 10:42		RC/JU	Ok
4	PB167857BS	PB167857BS	BM050114.D	06 May 2025 11:21		RC/JU	Ok
5	Q1938-05	LOWER-WALL-PILE-C	BM050115.D	06 May 2025 12:04		RC/JU	Ok
6	Q1938-07	LOWER-WALL-PILE-D	BM050116.D	06 May 2025 12:44		RC/JU	Ok
7	Q1937-11	LARGE-PILE-F	BM050117.D	06 May 2025 13:23		RC/JU	Ok
8	Q1947-05	MH-O	BM050118.D	06 May 2025 14:02		RC/JU	Ok
9	Q1937-09	LARGE-PILE-E	BM050119.D	06 May 2025 14:41		RC/JU	Ok
10	Q1938-03	LOWER-WALL-PILE-B	BM050120.D	06 May 2025 15:20		RC/JU	Ok
11	Q1952-01	CLEAN-FILL	BM050121.D	06 May 2025 15:59	Need 5X Dilution	RC/JU	Dilution
12	Q1951-04	MH-KK	BM050122.D	06 May 2025 16:38		RC/JU	Ok
13	Q1956-05	COMP1	BM050123.D	06 May 2025 17:18		RC/JU	Ok
14	Q1938-01	LOWER-WALL-PILE-A	BM050124.D	06 May 2025 17:57	Need Straight Run	RC/JU	Not Ok
15	Q1960-02	72-11933	BM050125.D	06 May 2025 18:36		RC/JU	Ok
16	Q1961-01	EO-01-050525	BM050126.D	06 May 2025 19:15		RC/JU	Ok
17	Q1962-01	HD-01-050525	BM050127.D	06 May 2025 19:54		RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QC Batch ID # BM050725

Review By	Rahul	Review On	5/8/2025 9:31:30 AM
Supervise By	Jagrut	Supervise On	5/8/2025 11:19:09 AM
SubDirectory	BM050725	HP Acquire Method	BNA_M
		HP Processing Method	BM042825

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12663,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BM050128.D	07 May 2025 09:17		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BM050129.D	07 May 2025 09:56		RC/JU	Ok
3	PB167879BL	PB167879BL	BM050130.D	07 May 2025 10:35		RC/JU	Ok
4	PB167879BS	PB167879BS	BM050131.D	07 May 2025 11:14		RC/JU	Ok,M
5	Q1952-01DL	CLEAN-FILLDL	BM050132.D	07 May 2025 12:33		RC/JU	Ok,M
6	Q1938-01	LOWER-WALL-PILE-A	BM050133.D	07 May 2025 13:12		RC/JU	Ok
7	Q1945-01	GB1W	BM050134.D	07 May 2025 14:26	Need 5X dilution	RC/JU	Dilution
8	Q1945-02	GB3W	BM050135.D	07 May 2025 15:05	Need 5X dilution	RC/JU	Dilution
9	Q1956-07	FB-05022025	BM050136.D	07 May 2025 15:44		RC/JU	Ok
10	Q1945-01DL	GB1WDL	BM050137.D	07 May 2025 16:24		RC/JU	Ok,M
11	Q1945-02DL	GB3WDL	BM050138.D	07 May 2025 17:03		RC/JU	Ok

M : Manual Integration



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 5/5/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 05/02/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 05/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135646

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
Q1913-01	WC-12-S-202504	1	1.18	10.32	11.5	9.49	80.5	
Q1913-03	WC-13-S-202504	2	1.19	10.37	11.56	9.83	83.3	
Q1936-01	SMALL-PILE-A	33	1.15	9.94	11.09	10.18	90.8	
Q1936-02	SMALL-PILE-A	34	1.17	9.94	11.11	10.22	91.0	
Q1936-03	SMALL-PILE-B	35	1.18	10.39	11.57	10.93	93.8	
Q1936-04	SMALL-PILE-B	36	1.18	9.88	11.06	10.44	93.7	
Q1936-05	SMALL-PILE-C	37	1.15	10.03	11.18	10.9	97.2	
Q1936-06	SMALL-PILE-C	38	1.15	10.25	11.4	11.01	96.2	
Q1936-07	SMALL-PILE-D	39	1.16	10.41	11.57	10.97	94.2	
Q1936-08	SMALL-PILE-D	40	1.18	9.96	11.14	10.55	94.1	
Q1937-01	LARGE-PILE-A	41	1.15	10.13	11.28	10.7	94.3	
Q1937-02	LARGE-PILE-A	42	1.18	9.58	10.76	10.2	94.2	
Q1937-03	LARGE-PILE-B	43	1.15	10.03	11.18	10.82	96.4	
Q1937-04	LARGE-PILE-B	44	1.17	10.04	11.21	10.72	95.1	
Q1937-05	LARGE-PILE-C	45	1.16	10.19	11.35	10.83	94.9	
Q1937-06	LARGE-PILE-C	46	1.19	10.06	11.25	10.63	93.8	
Q1937-07	LARGE-PILE-D	47	1.18	10.33	11.51	10.95	94.6	
Q1937-08	LARGE-PILE-D	48	1.17	9.75	10.92	10.33	93.9	
Q1937-09	LARGE-PILE-E	49	1.16	10.14	11.3	10.52	92.3	
Q1937-10	LARGE-PILE-E	50	1.18	10.30	11.48	10.76	93.0	
Q1937-11	LARGE-PILE-F	51	1.18	10.48	11.66	10.58	89.7	
Q1937-12	LARGE-PILE-F	52	1.18	10.25	11.43	10.44	90.3	
Q1938-01	LOWER-WALL-PILE-A	53	1.15	10.33	11.48	10.77	93.1	
Q1938-02	LOWER-WALL-PILE-A	54	1.17	10.50	11.67	10.71	90.9	
Q1938-03	LOWER-WALL-PILE-B	55	1.14	10.15	11.29	10.94	96.6	
Q1938-04	LOWER-WALL-PILE-B	56	1.18	9.90	11.08	10.68	96.0	
Q1938-05	LOWER-WALL-PILE-C	57	1.17	10.23	11.4	11.07	96.8	
Q1938-06	LOWER-WALL-PILE-C	58	1.12	9.82	10.94	10.7	97.6	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 5/5/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 05/02/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 05/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135646

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
Q1938-07	LOWER-WALL-PILE-D	59	1.19	10.01	11.2	10.7	95.0	
Q1938-08	LOWER-WALL-PILE-D	60	1.17	10.23	11.4	10.86	94.7	
Q1942-05	SVOC-GPC-BLANK	3	1.00	1.00	2.00	2.00	100.0	
Q1942-06	PEST-GPC-BLANK	4	1.00	1.00	2.00	2.00	100.0	
Q1942-07	PEST-GPC-BLANK-SPIKE	5	1.00	1.00	2.00	2.00	100.0	
Q1942-08	PCB-GPC-BLANK	6	1.00	1.00	2.00	2.00	100.0	
Q1942-09	PCB-GPC-BLANK-SPIKE	7	1.00	1.00	2.00	2.00	100.0	
Q1942-10	SVOC-GPC2-BLANK	8	1.00	1.00	2.00	2.00	100.0	
Q1942-11	PEST-GPC2-BLANK	9	1.00	1.00	2.00	2.00	100.0	
Q1942-12	PEST-GPC2-BLANK-SPIKE	10	1.00	1.00	2.00	2.00	100.0	
Q1942-13	PCB-GPC2-BLANK	11	1.00	1.00	2.00	2.00	100.0	
Q1942-14	PCB-GCP2-BLANK-SPIKE	12	1.00	1.00	2.00	2.00	100.0	
Q1944-01	MELTED-RUBBER-SAMPLE	13	1.00	1.00	2.00	2.00	100.0	MELTED-RUBBER-SAMPLE
Q1946-01	BB-CONCRETE	14	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
Q1946-02	BB-CONCRETE	15	1.00	1.00	2.00	2.00	100.0	CONCRETE sample
Q1947-01	MH-P	16	1.18	10.19	11.37	9.28	79.5	
Q1947-02	MH-P-EPH	17	1.15	10.84	11.99	10.64	87.5	
Q1947-03	MH-P-VOC	18	1.16	10.71	11.87	10.5	87.2	
Q1947-05	MH-O	19	1.14	10.59	11.73	10.52	88.6	
Q1947-06	MH-O-EPH	20	1.12	10.00	11.12	9.91	87.9	
Q1947-07	MH-O-VOC	21	1.17	10.00	11.17	9.95	87.8	
Q1951-01	MH-KK	22	1.18	10.40	11.58	10.01	84.9	
Q1951-02	MH-KK-EPH	23	1.16	10.29	11.45	9.91	85.0	
Q1951-03	MH-KK-VOC	24	1.17	10.25	11.42	9.86	84.8	
Q1952-01	CLEAN-FILL	25	1.18	10.49	11.67	8.98	74.4	
Q1952-02	CLEAN-FILL-E2	26	1.13	10.10	11.23	8.47	72.7	
Q1953-01	AUD-25-0075	27	1.00	1.00	2.00	2.00	100.0	pile
Q1953-02	AUD-25-0076	28	1.00	1.00	2.00	2.00	100.0	pile



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 5/5/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:00
In Date: 05/02/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 05/03/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135646

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
Q1953-03	AUD-25-0077	29	1.00	1.00	2.00	2.00	100.0	oilc
Q1954-01	BC260874-1-1	30	1.00	1.00	2.00	2.00	100.0	oilc
Q1954-02	BC260874-1-2	31	1.00	1.00	2.00	2.00	100.0	oilc
Q1955-01	LAW-25-0066	32	1.00	1.00	2.00	2.00	100.0	stone sample, 100 % solids

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

173546

WorkList Name : %1-050225

WorkList ID : 189289

Department : Wet-Chemistry

Date : 05-02-2025 14:36:21

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1913-01	WC-12-S-202504	Solid	Percent Solids	Cool 4 deg C	AECO02	L21	04/29/2025	Chemtech -SO
Q1913-03	WC-13-S-202504	Solid	Percent Solids	Cool 4 deg C	AECO02	L21	04/29/2025	Chemtech -SO
Q1936-01	SMALL-PILE-A	Solid	Percent Solids	Cool 4 deg C	SAXT01	L51	05/01/2025	Chemtech -SO
Q1936-02	SMALL-PILE-A	Solid	Percent Solids	Cool 4 deg C	SAXT01	L51	05/01/2025	Chemtech -SO
Q1936-03	SMALL-PILE-B	Solid	Percent Solids	Cool 4 deg C	SAXT01	L51	05/01/2025	Chemtech -SO
Q1936-04	SMALL-PILE-B	Solid	Percent Solids	Cool 4 deg C	SAXT01	L51	05/01/2025	Chemtech -SO
Q1936-05	SMALL-PILE-C	Solid	Percent Solids	Cool 4 deg C	SAXT01	L51	05/01/2025	Chemtech -SO
Q1936-06	SMALL-PILE-C	Solid	Percent Solids	Cool 4 deg C	SAXT01	L51	05/01/2025	Chemtech -SO
Q1936-07	SMALL-PILE-D	Solid	Percent Solids	Cool 4 deg C	SAXT01	L51	05/01/2025	Chemtech -SO
Q1936-08	SMALL-PILE-D	Solid	Percent Solids	Cool 4 deg C	SAXT01	L51	05/01/2025	Chemtech -SO
Q1937-01	LARGE-PILE-A	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1937-02	LARGE-PILE-A	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1937-03	LARGE-PILE-B	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1937-04	LARGE-PILE-B	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1937-05	LARGE-PILE-C	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1937-06	LARGE-PILE-C	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1937-07	LARGE-PILE-D	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1937-08	LARGE-PILE-D	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1937-09	LARGE-PILE-E	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1937-10	LARGE-PILE-E	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1937-11	LARGE-PILE-F	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO

Date/Time 05/02/25 15:10

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 05/02/25 17:10

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

173546

WorkList Name : %1-050225

WorkList ID : 189289

Department : Wet-Chemistry

Date : 05-02-2025 14:36:21

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1937-12	LARGE-PILE-F	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1938-01	LOWER-WALL-PILE-A	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1938-02	LOWER-WALL-PILE-A	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1938-03	LOWER-WALL-PILE-B	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1938-04	LOWER-WALL-PILE-B	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1938-05	LOWER-WALL-PILE-C	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1938-06	LOWER-WALL-PILE-C	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1938-07	LOWER-WALL-PILE-D	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1938-08	LOWER-WALL-PILE-D	Solid	Percent Solids	Cool 4 deg C	SAXT01	L41	05/01/2025	Chemtech -SO
Q1942-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L41	05/01/2025	Chemtech -SO
Q1942-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L41	04/25/2025	Chemtech -SO
Q1942-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	L41	04/25/2025	Chemtech -SO
Q1942-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L41	04/25/2025	Chemtech -SO
Q1942-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	L41	04/25/2025	Chemtech -SO
Q1942-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L41	04/25/2025	Chemtech -SO
Q1942-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L41	04/25/2025	Chemtech -SO
Q1942-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	L41	04/25/2025	Chemtech -SO
Q1942-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L41	04/25/2025	Chemtech -SO
Q1942-14	PCB-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	L41	04/25/2025	Chemtech -SO
Q1944-01	MELTED-RUBBER-SAMPLE	Solid	Percent Solids	Cool 4 deg C	METE01	L41	05/02/2025	Chemtech -SO
Q1946-01	BB-CONCRETE	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/02/2025	Chemtech -SO

Date/Time 05/02/25 15:10

Raw Sample Received by: *Se Lee*

Raw Sample Relinquished by: *Se Lee*

Date/Time 05/02/25

Raw Sample Received by: *Se Lee*

Raw Sample Relinquished by: *Se Lee*

WORKLIST(Hardcopy Internal Chain)

8/23/25

WorkList Name : %1-050225

WorkList ID : 189289

Department : Wet-Chemistry

Date : 05-02-2025 14:36:21

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1946-02	BB-CONCRETE	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/02/2025	Chemtech -SO
Q1947-01	MH-P	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/02/2025	Chemtech -SO
Q1947-02	MH-P-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/02/2025	Chemtech -SO
Q1947-03	MH-P-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/02/2025	Chemtech -SO
Q1947-05	MH-O	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/02/2025	Chemtech -SO
Q1947-06	MH-O-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/02/2025	Chemtech -SO
Q1947-07	MH-O-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/02/2025	Chemtech -SO
Q1951-01	MH-KK	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/02/2025	Chemtech -SO
Q1951-02	MH-KK-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/02/2025	Chemtech -SO
Q1951-03	MH-KK-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	05/02/2025	Chemtech -SO
Q1952-01	CLEAN-FILL	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	05/02/2025	Chemtech -SO
Q1952-02	CLEAN-FILL-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	05/02/2025	Chemtech -SO
Q1953-01	AUD-25-0075	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/02/2025	Chemtech -SO
Q1953-02	AUD-25-0076	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/02/2025	Chemtech -SO
Q1953-03	AUD-25-0077	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/02/2025	Chemtech -SO
Q1954-01	BC260874-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/02/2025	Chemtech -SO
Q1954-02	BC260874-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/02/2025	Chemtech -SO
Q1955-01	LAW-25-0066	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	05/02/2025	Chemtech -SO

Date/Time 05/02/25 15:10

Raw Sample Received by: 88 WOC,

Raw Sample Relinquished by: 88 WOC,

Date/Time 05/02/25

Raw Sample Received by: 88 WOC,

Raw Sample Relinquished by: 88 WOC,

SOP ID:	M3541-ASE Extraction-14		
Clean Up SOP #:	N/A	Extraction Start Date :	05/05/2025
Matrix :	Solid	Extraction Start Time :	09:35
Weigh By:	EH	Extraction By:	RJ
Balance check:	RJ	Filter By:	RJ
Balance ID:	EX-SC-2	pH Meter ID:	N/A
pH Strip Lot#:	N/A	Hood ID:	3,7
		Supervisor By :	RUPESH
Extraction Method:	☐ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet		

Standardized Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6752
Surrogate	1.0ML	100/150 PPM	SP6754
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2600
Baked Na2SO4	N/A	EP2607
Sand	N/A	EP2865
Methylene Chloride	N/A	E3930
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210443.

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
5/5/25	RS (E24-Gub)	Rc/svoc
12:40	Preparation Group	Analysis Group

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 05/05/2025

Sample ID	Client Sample ID	Test	g/mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167857BL	SBLK857	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			U6-1
PB167857BS	SLCS857	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1			2
Q1936-01	SMALL-PILE-A	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1	B		3
Q1936-03	SMALL-PILE-B	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	B		4
Q1936-05	SMALL-PILE-C	SVOC-TCL BNA -20	30.08	N/A	ritesh	Evelyn	1	B		5
Q1936-07	SMALL-PILE-D	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1	B		6
Q1937-01	LARGE-PILE-A	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1	B		U1-1
Q1937-03	LARGE-PILE-B	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	D		2
Q1937-05	LARGE-PILE-C	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1	D		3
Q1937-05MS	LARGE-PILE-CMS	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1	D		4
Q1937-05MS D	LARGE-PILE-CMSD	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	D		5
Q1937-07	LARGE-PILE-D	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	B		6
Q1937-09	LARGE-PILE-E	SVOC-TCL BNA -20	30.08	N/A	ritesh	Evelyn	1	B		U2-1
Q1937-11	LARGE-PILE-F	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	D		2
Q1938-01	LOWER-WALL-PILE-A	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1	B		3
Q1938-03	LOWER-WALL-PILE-B	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1	B		4
Q1938-05	LOWER-WALL-PILE-C	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	B		5
Q1938-07	LOWER-WALL-PILE-D	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	D		6
Q1946-01	BB-CONCRETE	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	E	Concrete	U3-1
Q1947-01	MH-P	SVOC-TCL BNA -20	50.03	N/A	ritesh	Evelyn	1	E		2
Q1947-05	MH-O	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	E		3
Q1951-01	MH-KK	SVOC-TCL BNA -20	50.04	N/A	ritesh	Evelyn	1	E		4
Q1952-01	CLEAN-FILL	SVOC-TCL BNA -20	50.06	N/A	ritesh	Evelyn	1	E		5

* Extracts relinquished on the same date as received.



WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1938 WorkList ID : 189302 Department : Extraction Date : 05-05-2025 09:03:04

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1936-01	SMALL-PILE-A	Solid	SVOC-TCL BNA -20	Cool 4 deg C	SAXT01	L51	05/01/2025	8270E
Q1936-03	SMALL-PILE-B	Solid	SVOC-TCL BNA -20	Cool 4 deg C	SAXT01	L51	05/01/2025	8270E
Q1936-05	SMALL-PILE-C	Solid	SVOC-TCL BNA -20	Cool 4 deg C	SAXT01	L51	05/01/2025	8270E
Q1936-07	SMALL-PILE-D	Solid	SVOC-TCL BNA -20	Cool 4 deg C	SAXT01	L51	05/01/2025	8270E
Q1937-01	LARGE-PILE-A	Solid	SVOC-TCL BNA -20	Cool 4 deg C	SAXT01	L41	05/01/2025	8270E
Q1937-03	LARGE-PILE-B	Solid	SVOC-TCL BNA -20	Cool 4 deg C	SAXT01	L41	05/01/2025	8270E
Q1937-05	LARGE-PILE-C	Solid	SVOC-TCL BNA -20	Cool 4 deg C	SAXT01	L41	05/01/2025	8270E
Q1937-07	LARGE-PILE-D	Solid	SVOC-TCL BNA -20	Cool 4 deg C	SAXT01	L41	05/01/2025	8270E
Q1937-09	LARGE-PILE-E	Solid	SVOC-TCL BNA -20	Cool 4 deg C	SAXT01	L41	05/01/2025	8270E
Q1937-11	LARGE-PILE-F	Solid	SVOC-TCL BNA -20	Cool 4 deg C	SAXT01	L41	05/01/2025	8270E
Q1938-01	LOWER-WALL-PILE-A	Solid	SVOC-TCL BNA -20	Cool 4 deg C	SAXT01	L41	05/01/2025	8270E
Q1938-03	LOWER-WALL-PILE-B	Solid	SVOC-TCL BNA -20	Cool 4 deg C	SAXT01	L41	05/01/2025	8270E
Q1938-05	LOWER-WALL-PILE-C	Solid	SVOC-TCL BNA -20	Cool 4 deg C	SAXT01	L41	05/01/2025	8270E
Q1938-07	LOWER-WALL-PILE-D	Solid	SVOC-TCL BNA -20	Cool 4 deg C	SAXT01	L41	05/01/2025	8270E
Q1946-01	BB-CONCRETE	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	05/02/2025	8270E
Q1947-01	MH-P	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	05/02/2025	8270E
Q1947-05	MH-O	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	05/02/2025	8270E
Q1951-01	MH-KK	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L31	05/02/2025	8270E
Q1952-01	CLEAN-FILL	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L21	05/02/2025	8270E

Date/Time 05/05/25 9:30
 Raw Sample Received by: RJ (JFF-006)
 Raw Sample Relinquished by: JAS

Date/Time 05/05/25 10:05
 Raw Sample Received by: JAS
 Raw Sample Relinquished by: RJ (JFF-006)



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Saxton Fall and Sand Gravel
ADDRESS: 3000 International Drive
CITY: Budd Lake STATE: N.J. ZIP:
ATTENTION: Rich Schindler
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Stan Hope
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS:
CITY: Stan STATE: ZIP:
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other
☐ EDD FORMAT

1. Hex Chrom
2. PCB
3. SVOC-TCL BWA-20
4. TPH CAC
5. Trivalent Chromium
6. Cyanide
7. SVOC-TCL VOA-10
8. EPH
9.

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER	
1.	<u>Lower Wall Pile-A</u>	<u>SoL</u>	<u>X</u>		<u>5-1-25</u>	<u>12:50</u>	<u>4</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>				<u>Pid=0.0</u>	
2.	<u>A</u>			<u>X</u>		<u>12:52</u>	<u>5</u>							<u>X</u>	<u>X</u>			
3.	<u>B</u>		<u>X</u>			<u>13:00</u>	<u>4</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>					
4.	<u>B</u>			<u>X</u>		<u>13:02</u>	<u>5</u>							<u>X</u>	<u>X</u>			
5.	<u>C</u>		<u>X</u>			<u>13:12</u>	<u>4</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>					
6.	<u>C</u>			<u>X</u>		<u>13:14</u>	<u>5</u>							<u>X</u>	<u>X</u>			
7.	<u>D</u>		<u>X</u>			<u>13:20</u>	<u>4</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>					
8.	<u>D</u>			<u>X</u>		<u>13:22</u>	<u>5</u>							<u>X</u>	<u>X</u>			
9.																		
10.																		

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. <u>[Signature]</u>	DATE/TIME: <u>5-1-2025</u>	RECEIVED BY: 1. <u>[Signature]</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☒ NON COMPLIANT ☒ COOLER TEMP <u>4.1°C</u>
RELINQUISHED BY SAMPLER: 2. <u>[Signature]</u>	DATE/TIME: <u></u>	RECEIVED BY: 2. <u></u>	Comments: <u>Pid Meter calibrated 5-1-2025</u> <u>Equal volume of soil used, 5:1 Composite</u>
RELINQUISHED BY SAMPLER: 3. <u>[Signature]</u>	DATE/TIME: <u>5-1-2025</u>	RECEIVED BY: 3. <u>[Signature]</u>	Page <u>1</u> of <u>1</u> CLIENT: ☐ Hand Delivered ☐ Other <u></u> Shipment Complete ☐ YES ☐ NO



Environmental Laboratory
www.chemtech.net | EMAIL: PM@chemtech.net

Project Name: Sten Hope

Chemtech Order ID: _____

Sampler Name: Lawrence Pate

Client Project Coordinator & Phone: _____

Service Order #: _____
Work Order #: _____

Labor WBS #: _____

Facility/Site: _____

Page #: 1 of 1

Date: 5.1.2025

Site Address: 3000 Interactions

Arrive Time: 0830

Drive, Budd Lake, NJ.

Depart Time: 1410

Waste Stream (circle one): drum / roll-off / soil pile / in-situ / linear construction / frac-tank

Sample Matrices (circle all that apply): Water / Solid / NAPL / Concrete / Wipe

Collection Depth: _____

Dimensions/CY: _____

Temp (range): _____

°C PID Readings (range): _____

PPM

Odor: Y / N

Color: Y / N

Sample Description: Brown soil, Rocks.

Field Observations: Sample 6, small pile, large pile, however well pile.

Grid/Area Composite Map:

QA Control # A3041134

SEE
ATTACHED

Sampler Signature: _____

5.1.2025

Supervisor Review/Date: _____

Client Signature: _____

Date/Time Arrived at Lab: _____

Lower Wall

EXHIBIT 1

Soil Piles for Sampling

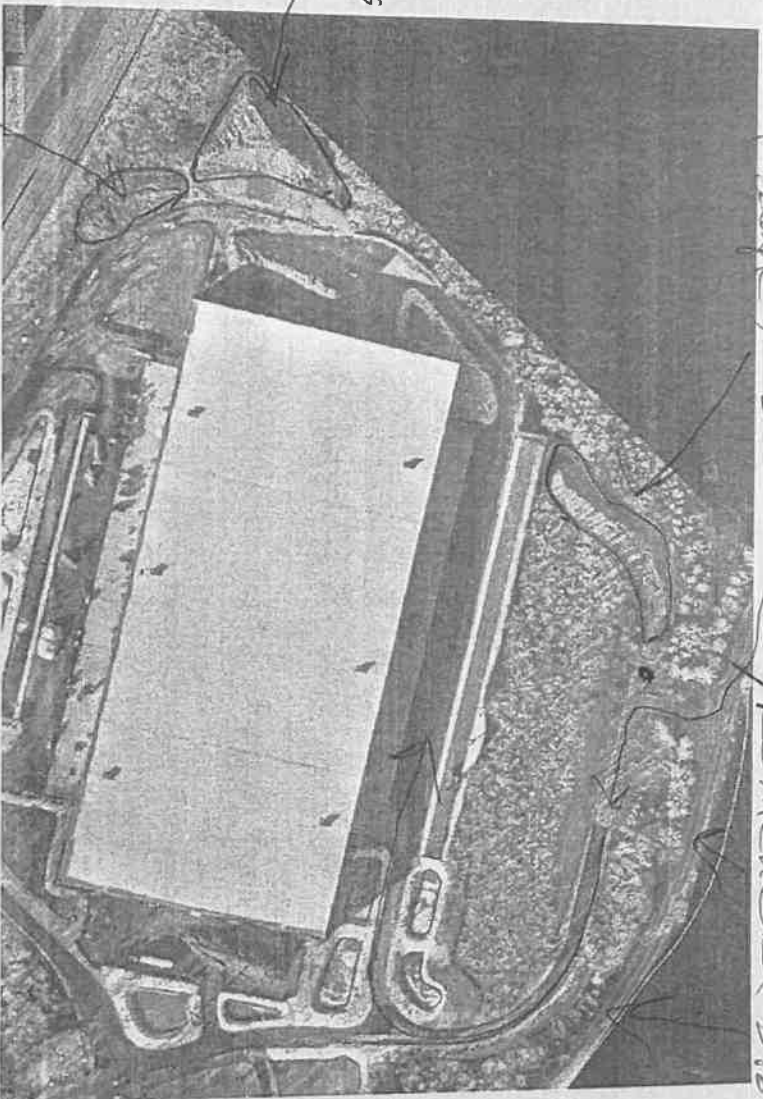
3 tests

Pile

Piles for sampling are circled in red

4 Samples 25" #

Contenetal Dr.



6 Samples

Large Pile
30" #

4 Samples

Small Pile
20" #

Total 14 Samples

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1938	SAXT01	Order Date : 5/1/2025 2:05:00 PM	Project Mgr :
Client Name : Saxton Falls Sand and Grav		Project Name : Stan Hope	Report Type : Level 1
Client Contact : Rich Schindelar		Receive DateTime : 5/1/2025 12:00:00 AM	EDD Type : Excel NJ
Invoice Name : Saxton Falls Sand and Grav		Purchase Order : 15:40	Hard Copy Date :
Invoice Contact : Rich Schindelar			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1938-02	LOWER-WALL-PILE-A	Solid	05/01/2025	12:52	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q1938-04	LOWER-WALL-PILE-B	Solid	05/01/2025	13:02	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q1938-06	LOWER-WALL-PILE-C	Solid	05/01/2025	13:14	VOC-TCLVOA-10		8260D	10 Bus. Days	
Q1938-08	LOWER-WALL-PILE-D	Solid	05/01/2025	13:22	VOC-TCLVOA-10		8260D	10 Bus. Days	

Relinquished By :

Date / Time :

LCJ

5-1-2025 1650

Received By :

Date / Time :

Wm Duden

5-1-25 16:5

Storage Area : VOA Refridgerator Room

Touch
Storage in VOA
FRZ # 02 Extract
in set # 06